

TCFD Report

2022

Task Force on Climate-Related Financial Disclosures



Executive summary

Capital Dynamics has been a supporter of the Task Force on Climate-Related Financial Disclosures ("TCFD") since 2020. The assessment and measurement of financially material climate-related risks represents a cornerstone for our robust Responsible Investment approach designed to enhance long-term risk-adjusted returns for our clients.

Climate change can manifest in financially material risks and opportunities we face as an asset manager. Our own greenhouse gas emissions are relatively low and the main climate-related transition and physical risks we face stem from the portfolio companies we invest in and lend to, as well as the climate risks to which our Clean Energy assets and portfolio companies' assets are exposed. Therefore, we assess the transition and physical risks of our underlying exposures by sector and assess how climate-related risks impact our investment portfolio over the short-, medium- and longer term. The main channels through which climate-related risks and opportunities translate into financial impacts on our revenues and costs are:

Credit default

Borrower companies exposed to high transition and physical climate risks may face difficulties in repaying debt, e.g. when climate risks cause the borrower company to default

Equity valuations

Portfolio companies that are exposed to high transition and physical failing to risks and implement mitigation measures could experience lower profitability and thereby impact equity valuations

Asset impairment &

higher costs Physical climate risks could cause damage to our real assets in Clean Energy, leading to higher maintenance and and insurance costs representing a risk of early asset retirement

On the flipside, climate-related risks can also represent attractive financially material opportunities. For example, renewable energy has a critical role to play to achieve the transition towards a low-carbon economy. Climate legislation and the pressure on companies to reduce their carbon footprint is expected to increase the demand for renewable energy sources, thereby having a positive impact on profitability for renewable energy producers, i.e. the climate transition risks faced by high emitting sectors translates into a financially material climate opportunity for the renewable energy sector. In our Capital Dynamics Clean Energy investment strategy, these assumptions represent a substantial investment opportunity for our clients. Overall, our analysis of climate-related risks and opportunities yields three key results that impact our resilience in the transition towards a lower carbon economy:

> Our funds are exposed to *moderate - moderately low* transition risks based on the sector exposure

Physical climate risks in our funds on average are *moderate* for the climate hazards tropical cyclones, water stress, wildfire, flooding and extreme heat, although we do have geographic exposure to locations that are scoring high risks to one or more of these climate hazards

Our Clean Energy business faces the lowest transition risks and represents a highly attractive *financial opportunity* in the transition scenarios towards a net zero economy

We are delighted to share with you over the next pages how we arrived at the conclusions, the processes we have in place to oversee climate matters, our climate strategy and risk management, as well as our Key Performance Indicators ("KPIs") we disclose in relation to climate risks and opportunities. We hope you enjoy reading our 2022 TCFD report.



RECOMMENDED DISCLOSURES

GOVERNANCE	a) b)	Describe the board's oversight of climate-related risks and opportunities Describe management's role in assessing and managing climate-related risks and opportunities	Capital Dynamics' Executive Committee consists of senior leadership of all business functions and firm ownership and has the oversight over climate-related risks and opportunities. The Co-Chairs of Responsible Investment assess and manage climate-related matters and present these to the Executive Committee as part of quarterly presentations, followed by a Q&A.	Quarterly presentations to Executive Committee
STRATEGY	a) b) c)	Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario	We assess climate-related risks and opportunities across three climate scenarios developed by the Network for Greening the Financial System ("NGFS") over the short-, medium-, and long-term. We identify financially material climate risks and opportunities arising from transition risks and physical climate hazards and incorporate our findings into business strategy and financial planning and assessing the resilience of our strategy, taking into account the result of our scenario analysis.	disorderly transition and hot house world scenarios
RISK MANAGEMENT	a) b) c)	Describe the organization's processes for identifying and assessing climate-related risks Describe the organization's processes for managing climate- related risks Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management	We identify climate-related risks as part of our due diligence process as well as assess the long-term compatibility of our investments with a transition to a lower carbon economy. Our management of climate-related risks is done primarily through engagement with portfolio companies, industry peers, industry bodies and policy-makers. Our overall risk management framework incorporates the climate-related risks that are assessed and identified.	
METRICS & TARGETS	a) b) c)	Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets	We measure our exposure to climate-related risks and opportunities with a number of indicators, such as sector exposure to high emitting industries. Scope 1, 2, and 3 GHG emissions are disclosed for our investments and own operations, and we set GHG reduction targets for our new Clean Energy funds, aimed at decarbonizing project lifecycle emissions and neutralizing unavoidable emissions through carbon offsets (e.g. construction-related emissions).	 GHG Protocol Partnership for Carbon Accounting Financials ("PCAF") CapitalDynamics 3

TOOLS / RESOURCES

Authors

To obtain additional information or to share your views, please contact the authors of this report or visit our website <u>www.capdyn.com</u>.



Bryn Gostin

Bryn Gostin Senior Managing Director *Chief Product & Strategy Officer and Co-Chair Responsible Investment*



Verena Rossolatos

Verena Rossolatos Senior Vice President *Co-Chair Responsible Investment*





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Governance



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Our governance around climate-related risks and opportunities

At Capital Dynamics, our governance around climate-related risks and opportunities encompass both the governance we implement for our firm, as well as the governance for our funds and portfolio companies and Clean Energy assets in relation to Responsible Investment ("RI"). Our processes ensure that climate-related considerations are regularly communicated to our Executive Committee and our top level executives are ultimately responsible for climate-related considerations and decision-making to enact change.

Board's oversight of climate-related risks and opportunities

Capital Dynamics' Executive Committee ("EC") represents our firm's board and is responsible for setting and overseeing the overall strategic direction of the firm. Bryn Gostin, Chief Product & Strategy Officer and Co-Chair Responsible Investment, is a member of Capital Dynamics' Executive Committee. The EC's responsibility for considering RI-related risks and opportunities includes those pertaining to climate-related matters. The EC reviews the climate matters as part of reviewing the firm's strategy, risk management, business plans and annual financial planning. Further, the EC oversees targets related to climate-related risks and opportunities and monitors progress against these on at least an annual basis. Such targets and objectives include, among others, performance-related objectives, for example incentive schemes that link carried interest to climate impact targets in our Clean Energy business. The EC monitors the implementation and performance of the firm's climate targets and oversees capital expenditures, acquisitions and divestitures.

The EC delegates the responsibility for assessing and managing climate-related risks and opportunities to the Responsible Investment Committee ("RIC") Co-Chairs who work in close cooperation with the RIC members.

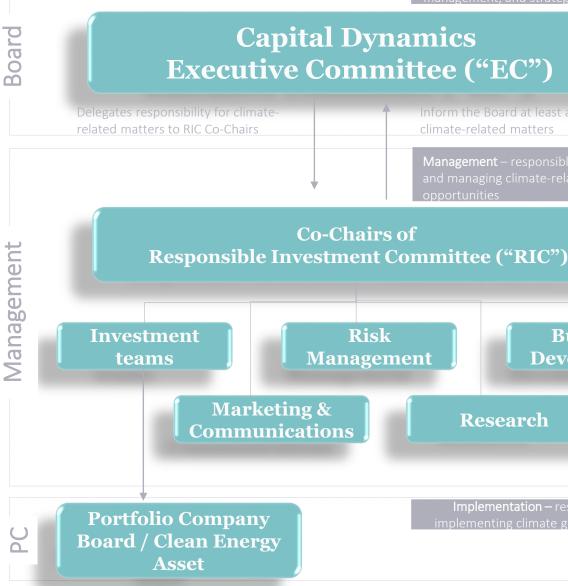


Figure 1: Capital Dynamics' Governance structure for climate-related risks and opportunities

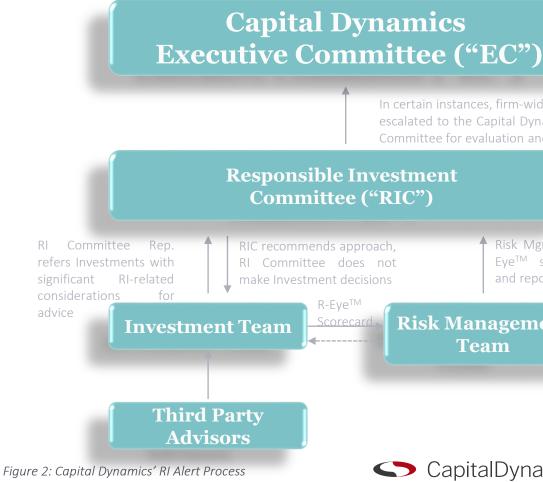
Inform the Board at least annually about

Business Development

Management's role in assessing climate-related risks and opportunities

Verena Rossolatos, Senior Vice President and Co-Chair of the Responsible Investment Committee, reports into Bryn Gostin. Together, Bryn and Verena assess the climaterelated risks and opportunities across functions in our firm and investment funds at least annually, and report climate-related issues and progress on targets to the EC as part of the guarterly Responsible Investment presentation. The presentation is followed by a Q&A from the EC, which includes representation from Investment Management leadership, firm management and firm ownership. The EC monitors and oversees progress against the Responsible Investment goals, including climate-related targets through the quarterly update by the RIC Co-Chairs. As a dedicated resource to Responsible Investment and climate-related matters, Verena is also responsible for firmwide climate initiatives. Senior representatives from our Co-Investments team are responsible for managing climate-related risks and opportunities at the portfolio company level, where we may hold board seats and meaningful influence to effect change. This includes the identification of improvement targets for the operational improvement plan, utilizing the firm's proprietary R-EyeTM rating system in the due diligence and monitoring process. Such targets may include the introduction of energy efficiency measures and onsite installation of renewable energy production units. Similarly, our Co-Heads in our Clean Energy strategy oversee and manage the climaterelated risks and opportunities pertaining to our renewable energy assets in the EU and in the UK. The firm's Responsible Investment Committee is comprised of EC members and senior leadership representing all Capital Dynamics business lines. The RIC meets monthly and on an ad-hoc basis to set the firm's agenda for RI and climate-related matters and monitors financially material climate risks and opportunities. In particular, the RIC is responsible for reviewing RI-related alerts, in line with the RI alert process. The RI Alert protocol is designed to assess and manage climate-related risks and opportunities, broader environmental risks, as well as social and governance risks pertaining to our investments. Our Capital Dynamics RI Alert protocol involves the close cooperation between the RIC, Risk Management and the Investment teams, whereby the RIC representative refers identified RI issues to the RIC. Typically, such issues are identified in the due diligence phase pre-investment, utilizing the R-Eye[™] rating system, or through our monitoring process involving annual RI questionnaires sent to General Partners as well as deploying RepRisk, an artificial intelligence platform which screens over 500,000 documents daily in the media for RI matters and allows us to create watch lists to

monitor RI risks. The Risk Management team has created watch lists for funds to monitor third parties and their supply chain. Each week, Verena Rossolatos and Philippe Jost, the firm's Head of Risk, review RI alerts received and flag material RI risks to the Investment teams for further evaluation. The alerts are compiled in a weekly summary and sent to the respective Investment Management teams or to the Operations teams for alerts related to Capital Dynamics' supply chain providers. Capital Dynamics Investment Management memos contain a summary of the major metrics followed by a brief summary of the incidents with high or very high risk. Further, the RIC Co-chairs have observer rights on all Investment Committees to facilitate a swift RI risk response protocol. High risk and very high risk incidents are reviewed by the full RIC, which makes a recommendation for appropriate action, but does not make investment decisions. In severe instances, Bryn Gostin escalates firm-wide RI issues to the EC for further evaluation and consideration.



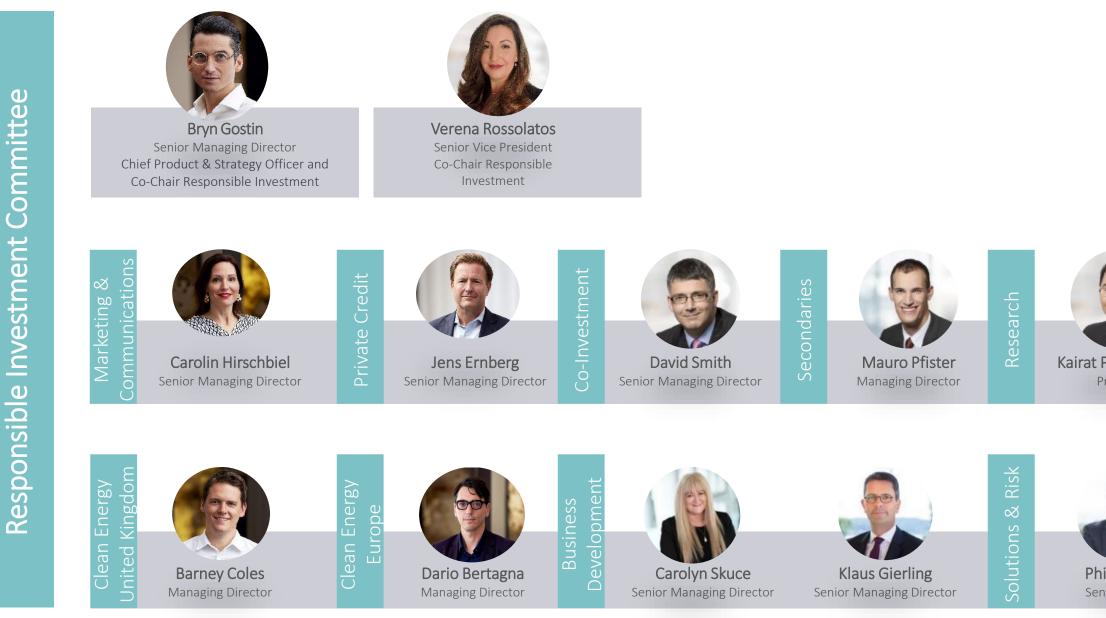
In certain instances, firm-wide issues may be escalated to the Capital Dynamics Executive Committee for evaluation and consideration

Risk Mgmt. analyses R-Eye[™] scorecard data and reports key findings

Risk Management Team

Our Responsible Investment Committee

The Capital Dynamics RI Committee members: (i) are signatories to the Firm's RI policy; (ii) review all CD investments; and (iii) set the Firm's agenda for RI training, community involvement, and thought leadership





Principal



Philippe Jost Senior Director

CapitalDynamics

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We are honored to have co-led the IIGCC Net Zero Investment Framework for Private Equity

A core component of our Governance around climate-related risks and opportunities is our active involvement in industry-wide initiatives, aimed at raising awareness of the financial materiality of climate change.

Over the course of the past two years, Capital Dynamics has co-led the IIGCC working group to steer the Net Zero Investment Framework ("NZIF") component for Private Equity. The guidance aims to create synergies in the market among LPs and GPs to collectively drive the decarbonization of portfolio companies, and builds upon a pragmatic, science-aligned approach the private equity industry can support.

DESCRIPTION

The NZIF PE guidance takes into account how GPs and LPs interact already today, therefore not introducing more complexities. For example, the recommendations for aligning a PE portfolio with net zero take into consideration the fund cycle and the varying degrees in which GPs and LPs can exert influence over portfolio companies, such as in a fund-of-funds, Secondaries and continuation funds context. The guidance incentivizes science-aligned decarbonization across industries and suggests four complementary types of net zero targets GPs and LPs may set to promote the adoption of net zero:

RATIONALE

	Portfolio Coverage Target	A % of invested capital or financed emissions to be managed in alignment with net zero by 2030, and an increased % by 2040 to achieve 100% net zero by 2050. GPs can set this target for each fund	Applicable to GPs and LPs and designed to influence the d of portfolio companies towards a low-carbon economy
	Engagement Threshold Target	Complete the specified engagement actions for 100% of applicable PE investments	Engagement is the cornerstone for driving the uptak commitments within the PE industry
s	Allocation to Climate solutions Target	Increase investment in climate solutions (<i>optional</i>)	Optional target for GPs to support the investments into clithe the transition to a low-carbon economy
	Decarbonization Reference Target	Commitment to a time-relevant emissions reduction target (absolute or intensity target), aligned with a relevant fair share of global and regional decarbonization pathways (<i>optional</i>)	Reference target for overall emissions reduction for F should include scope 1 and scope 2 emissions, with sco separately in line with phase-in

e decarbonization

ake of net zero

climate solutions

^r PE investments scope 3 reported

For the Portfolio Coverage Targets and Engagement Targets (see p. 10), the NZIF guidance for Private Equity recognizes the varying levels of influence available to GPs and LPs to encourage underlying portfolio companies to decarbonize. For example, a GP with majority voting seats on a portfolio company's board can exert significantly more influence over the underlying firm to drive action compared to a GP fund-of-funds that is removed by an additional step from the underlying company. That is why the guidance introduces influence bands to account for the different levels of influence. The bands are designed to support ambitious uptake of net zero targets within the LPs' and GPs' means of influence and feed into the proportions set by the GP and LP as part of their portfolio coverage and engagement target setting. For instance, a GP exerting strong influence over its portfolio companies with >50% votes is recommended to target 80% of invested capital to be managed in alignment with net zero by 2030 and achieving 100% net zero alignment by 2040. By contrast, investments made through the Secondaries market will have limited influence levels with the GP and therefore the recommended proportion of invested capital to be managed in alignment with net zero accounts for 10% by 2030, 80% by 2040 and 100% by 2050.

The guidance further provides tangible engagement action recommendations that GPs and LPs with moderate and limited influence bands can take to drive the uptake of net zero commitments within the Private Equity industry. Finally, the guidance recommends transparent annual reporting of the proportions of invested capital and financed emissions that achieve the net zero alignment criteria and milestones to facilitate progress tracking.

In conclusion, the NZIF Private Equity guide is a set of pragmatic recommendations that are flexible enough for LPs and GPs to adopt meaningful action to decarbonize portfolio companies in the real economy.

To find out more about the NZIF Private Equity component, please click <u>here</u>.

Portfolio Coverage & Engagement Targets - proportions

	Band	Criteria	Influence level	2030	2040
	1a	>50% votes	Strong	80%	100%
GP buyout GP growth GP continuation	1b	≤50% votes	Moderate	30%	80%
	1c	No board votes	Limited	20%	80%
	2a	Big ticket investor for fund	Strong	30%	100%
LP investments LP co-investment GP fund of funds	2b	Investment made during fundraise; co-investment	Moderate	20%	90%
Secondaries	2c	Investment made through Secondaries market	Limited	10%	80%

Influence bands

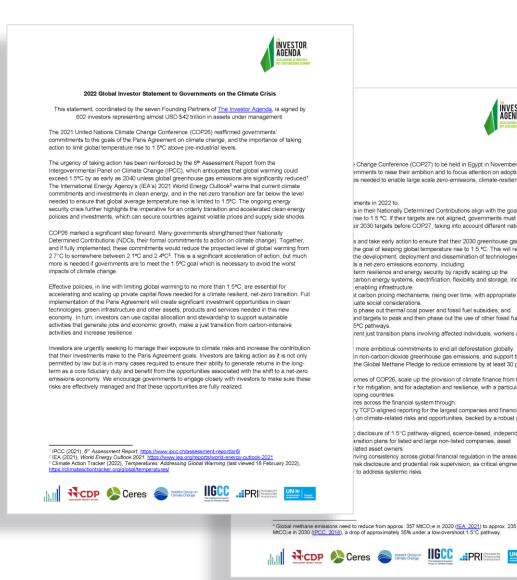
2050
100%
100%
100%
100%
100%
100%

Capital Dynamics signs Global Investor Statement to **Governments on Climate Change**

Following our belief that strong policy action is needed to address financial risks associated with climate change, Capital Dynamics, alongside a worldwide group of investors collectively managing nearly USD 39 trillion in AUM, has signed an open letter calling on governments to radically raise their climate ambition ahead of and beyond COP27. This Global Investor Statement urges governments to implement domestic policies and take early action to ensure that their 2030 greenhouse gas emissions are aligned with the goal of keeping global temperature rise to 1.5°C.

The statement outlines key climate policies and actions governments must undertake to support green investment and reduce carbon risk, including:

- Guaranteeing long-term resilience and energy security by rapidly scaling up the ۲ deployment of low-carbon energy systems, electrification, flexibility, and storage, including the development of enabling infrastructure;
- Implementing robust carbon pricing mechanisms, rising over time, with appropriate • coverage and adequate social considerations;
- Setting a deadline to phase out thermal coal power and fossil fuel subsidies and • establishing plans and targets to peak and then phase out the use of other fossil fuels, in line with credible 1.5°C pathways;
- Developing transparent just transition plans involving affected individuals, workers, and communities; and
- Establishing new or more ambitious commitments to end all deforestation globally.



The full statement is available here.



Change Conference (COP27) to be held in Egypt in November 2022 ernments to raise their ambition and to focus attention on adopting and s needed to enable large scale zero-emissions, climate-resilient

s in their Nationally Determined Contributions align with the goal of rise to 1.5 °C. If their targets are not aligned, governments must air 2030 targets before COP27, taking into account different national

s and take early action to ensure that their 2030 gre the goal of keeping global temperature rise to 1.5 eC. This will require the development, deployment and dissemination of technologies that Is a net-zero emissions economy, including:

term resilience and energy security by rapidly scaling up the carbon energy systems, electrification, flexibility and storage, including

st carbon pricing mechanisms, rising over time, with appropriate

o phase out thermal coal power and fossil fuel subsidies, and and targets to peak and then phase out the use of other fossil fuels, in

rent just transition plans involving affected individuals, workers and

more ambitious commitments to end all deforestation globally non-carbon dioxide greenhouse gas emissions, and support the the Global Methane Pledge to reduce emissions by at least 30 percent

omes of COP26, scale up the provision of climate finance from the r for mitigation, and for adaptation and resilience, with a particular oping countries.

res across the financial system through

y TCFD-aligned reporting for the largest companies and financial t on climate-related risks and opportunities, backed by a robust global

disclosure of 1.5°C pathway-aligned, science-based, independently ansition plans for listed and large non-listed companies, asset

riving consistency across global financial regulation in the areas of risk disclosure and prudential risk supervision, as critical engines of



Strategy

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Three pillars of our climate strategy





We assess climate-related risks and opportunities in our investments and across our own operations. We consider climate scenario analysis a valuable tool for assessing climate matters in a range of possible future states and disclose the results in our annual TCFD reports

The impact of climate-related risks and opportunities is integrated in our Responsible Investment approach across our strategies, and forms part of our firm's financial planning and business strategy and assessment of Capital Dynamics' resilience to climate factors

We use the results of our analysis to engage with our portfolio companies on sustainability improvements. We also promote best-in-class RI practices among our GPs, regularly engage with policy-makers on sustainable finance regulations and play an active part in advancing net zero considerations in private markets





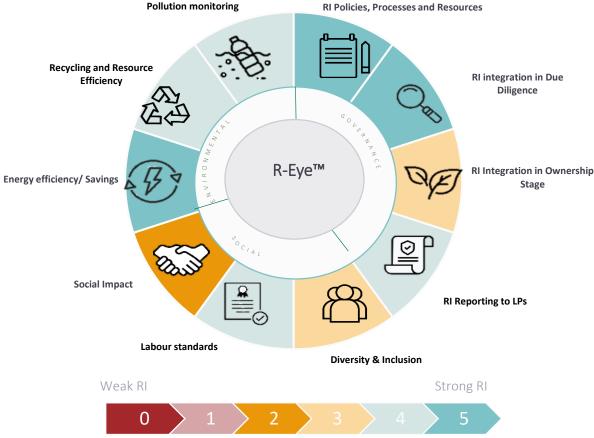
Our climate strategy enhances risk-adjusted returns for our clients

As an asset manager in private markets, our core lever to effect positive change is through our engagement actions. The way we engage depends on the type of investment strategy (direct or indirect) and the level of influence through our ownership (majority or minority). This informs the level of control we have over the underlying asset which we seek to influence in regards to sustainability. Stakeholders we engage with include our portfolio and borrower companies, our General Partners in our indirect fund-of-fund strategies, as well as industry bodies, policy-makers and industry peer groups. Our ability to transition towards a lower carbon economy depends on the actions taken by these groups, which is why we holistically integrate sustainability, including climate matters, in our investment processes.

Climate-related risks we face in our investment portfolio stem from our sector and geography exposures. Capital Dynamics does not invest in the most carbon-intensive sectors, such as fossil fuel exploration and applies a diversified investment approach in terms of location and industry exposure. We have a high exposure to sustainable companies, or companies that we can improve in terms of sustainability, which we believe can lead to higher exit multiples. Further, our Clean Energy investments actively support the scaling of renewable energy in Europe and allow our clients to achieve sustainable returns in the transition to a lower carbon economy.

We take RI factors holistically into account in our end-to-end investment processes, starting from due diligence of target companies and supply chains to active monitoring and exit. Integrating sustainability risks in the investment process has the potential to meaningfully enhance long-term financial returns. That is why we have implemented our proprietary screening tool, R-Eye[™], which evaluates all investments from a sustainability risk point of view across all our business lines. We use the insights from our R-Eye[™] methodology to identify improvement areas that could be financially material for our investments, e.g. energy efficiency measures that result in cost savings and reducing carbon emissions. Such engagement with our investee companies and GPs is the cornerstone for addressing financially material climate-related risks and opportunities that, if managed appropriately, could have a positive impact on long-term risk-adjusted returns.

Trademarked R-Eye[™] Rating System



Assessment of climate-related risks and opportunities

Climate change represents both financially material risks and opportunities. As an asset manager, we play a central role by mobilizing and allocating funds towards sustainable companies and play a critical role in encouraging the transition towards a lower carbon economy. Our operational GHG emissions (scope 1, scope 2 and scope 3 excluding investments) are relatively low (refer to Metrics and Targets). The main climate-related risks therefore stem from our borrower and portfolio companies and the assets we manage. The nature of the transition risks depend on the sectors of our portfolio and borrower companies, as different sectors have a varying degree of sensitivity towards transition risks. As such, we identify climate-related transition risks and opportunities through the analysis of our underlying sector exposure, and use a transition risks heatmap to help identify the sector's sensitivities towards transition risks in relation to pricing. For the assessment of climate-related risks and opportunities in our fund of funds business, we analyze not only the underlying sector exposure, but additionally perform analysis on the GP's processes in regards to Responsible Investment as part of our R-Eye[™] processes. This is because we are an additional step removed from the underlying portfolio companies that are subject to the financial materiality of climate change and rely on the GPs to integrate climate considerations in the due diligence and ongoing engagements, to ensure these risks are managed appropriately.

Physical climate risks stem from our exposures to geographies subject to climate hazards. We therefore identify the location exposures of our investments and the geographic footprint of our own operations for five climate hazards: tropical cyclones, water stress, wildfires, flooding and extreme heat. For our wind power assets, we also assess the chronic climate risk of decreasing wind speed, which could have a financial impact on our Clean Energy business. In our analysis of climate-related risks and opportunities, we use climate scenario analysis to help us better understand a range of possible future states. We analyze the impact of climate hazards across three NGFS scenarios: Net Zero by 2050 (orderly transition), Delayed transition (disorderly transition) and Current Policies (hot house world). Under these three scenarios we then identify the transition risks and physical climate risks impacting our investment funds and own operations. Please refer to the section "scenario analysis" to learn more about our approach.



What are transition risks?

Transition risks refer to financially material risks that can arise due to the adjustment process towards a lower carbon economy. Such risks arise because a transition to net zero requires adjustments in behavior (for example consumer demand towards green products), technology (for instance substituting existing products for more sustainable options) and policy (for example carbon pricing schemes). Further, the transition can represent reputational challenges for firms operating in high emitting sectors, or companies that lack the ambition to work towards decarbonization. Many of the drivers of transition risks are global, however, some drivers vary in national contexts, such as the implementation of environmental legislation.

The realization of transition risks could result in financially material impacts, including stranded assets, financial penalties, increased costs, reduced return on investment and loss of market share. On the flipside, active management of transition risks can yield attractive opportunities for outperformance compared to peers lagging the required action to adjust in support of a lower carbon economy. Exposures to the transition risks are primarily driven by the underlying assets' sector and geography. The below overview summarizes the transition risks categories (policy & litigation, technology, markets and reputation) and their respective risk drivers.

Policy & Litigation

Policy actions to lower adverse impacts of climate change and advance climate solutions

- Carbon pricing policies / increased pricing of GHG emissions (scope 1, 2 and 3 GHG emissions)
- Increased reporting obligations on • GHG emissions
- Regulation of existing high emitting products and services
- Increased exposure to litigation / penalties

Technology

Innovation to support the transition towards a low-carbon economy

- Increased operating costs from high emitting technologies
- Sunk costs to transition to low emitting technologies
- Stranding new investments and / or • unsuccessful investment in new technologies
- Substitution of existing products and services with lower emitting options

Markets

Shifts in supply and demand as a result of the increased consideration of climate-related risks and opportunities

- Changing consumer behavior in favor of sustainable products
- Shift in consumer preferences for green products / local produce/ low emitting options
- Increased costs of raw materials
- Shifts in financial and balance sheet asset valuations
- Failure to capture new market opportunities to invest in clean technologies

Reputation

Heightened reputational risks for businesses failing to address changing client demands

• Stigmatization of high emitting sectors

 Increased consumer concern about environmental practices

• Shifts in consumer preferences

What are physical climate risks?

Physical climate risks refer to financially material physical impacts of climate change and the adverse effects of global warming. Physical risks can be acute (i.e. event-driven risks, such as increased severity and frequency of extreme weather events) or chronic (i.e. the longer-term shifts in climate patterns, such as rising global temperatures that cause chronic heat waves and rising sea levels). Once realized, physical climate risks can cause early asset impairment, damages to facilities and infrastructure, force migration, increase raw material prices and cause operational disruptions (for instance through the disruption in supply chains).

The effects of physical climate risks bear a number of severe economic, environmental and social impacts, for instance through the steep rise in annual damage caused by floods and cyclones, increased competition for water in water-stressed regions and a steep decline in labor productivity due to extreme heat. Below is a summary of acute and chronic climate hazards, along with the risk indicators used for measurement and secondary effects that can have a financially material impact. We use the Climate Impact Explorer tool to measure our exposure to key climate hazards over time under three climate scenarios (please refer to appendix).

ACUTE	Cyclones	Flood	s	
Indicator	Cumulative wind speed	Floods frequency rainfall intensity	/ & severity;	Change wildfire
Secondary effects	Storm surges and life-threatening waves in coastal regions	Disruption to so impacts (famine increased landslide	/ disease),	Impairee smoke d
CHRONIC	Sea level rise	Precipitation stress	Drought	F F
			Drought	
Indicator	Coastal flood frequency / exposure	Baseline water stress Future water demand and supply	Drought days	Extreme

Wildfire

ge in maximum re potential

red water quality, e damage, landslides

Heat stress

ne heat days

n impacts on human beings

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Our climate scenario analysis

Capital Dynamics utilizes climate scenario analysis as a tool to identify financially material climate risks and opportunities and to analyze our firm's and investment strategies' resilience to climate matters under different climate scenarios over time. This process allows us to determine where our investment strategies are exposed to financially material climate risks and opportunities and what response actions are appropriate in our strategies. Further, climate scenario analysis helps influence our firm's climate strategy and enables us to monitor climate-related risks and opportunities in our investment portfolio over time.

Climate modelling approach and tools

In our climate modelling approach, we map our portfolio sector exposure to premodelled projected sectoral Gross Value Added data, which analyze the effects of climate change on GDP attributed and scaled to a particular sector in which we are invested in. We utilize the Climate Narrative Tool by the Climate Financial Risk Forum ("CFRF") to run three selected climate scenarios based on the Network for Greening the Financial System scenarios framework. Further, we utilize ThinkHazard to identify the severity of climate hazards in each region and utilize the Climate Impact Explorer tool and Aqueduct Water Risk Atlas to run our physical climate risk exposure across three NGFS scenarios under different time horizons.

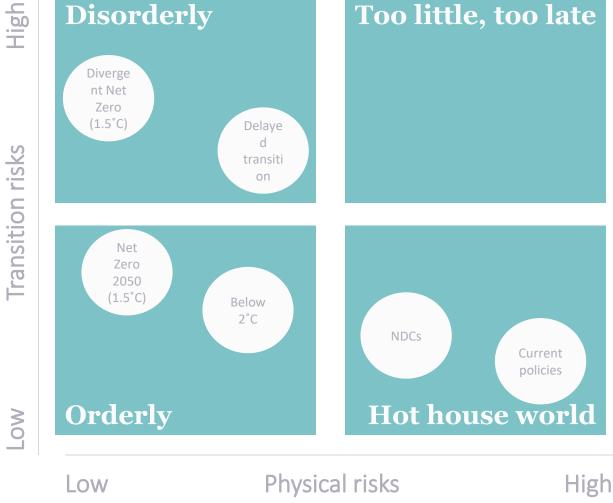
Climate scenario selection

To inform our analysis of financially material climate risks and opportunities, we select three scenarios from the NGFS in line with the FCA's ESG sourcebook requirements:

- Orderly transition scenario 1.
- Disorderly transition scenario 2.
- 3. Hot house world scenario

The choice of the different scenarios allows us to account for the effects of transition risks and physical climate risks. Each scenario is explained in detail on the following pages.

NGFS scenarios Framework



Positioning of scenarios is approximate, based on an assessment of physical and transition risks out to 2100.1



¹ Source: NGFS Scenarios for central banks and supervisors (2022). Available at: https://www.ngfs.net/sites/default/files/medias/documents/ngfs climate scenarios for central banks and supervisors .pdf.pdf

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Impact of climate risks and opportunities on our investment strategies

In "orderly transition" scenarios, a change in climate regulation and laws, as well as changing consumer behaviors and green technology advancements are key drivers in support of the transition to a low-carbon economy. Companies operating in carbon intensive sectors or firms that have limited ability to pass on price increases (through the rise in carbon prices) are most vulnerable to such transition risks and therefore our lending and investment activities into such companies could be more highly exposed. In regards to the physical climate risk dimension, the orderly transition scenarios cover a 1.5°C warming, as well as a below 2°C warming scenario.

In "disorderly transition" scenarios, the increase in carbon pricing policies and other transition risks become more severe after 2030, because the scenario assumes inaction until 2030, followed by drastic intervention afterwards to compensate for preceding inaction. Such disruption could affect financial asset valuations significantly, with sizable differences across regions. In the private credit context, the effects of climate change could impact the assessment of the creditworthiness of borrowers by investors and rating agencies, resulting in changes to the credit ratings and credit spreads. Overall, the transition risks are higher in the disorderly transition risk scenarios compared to the orderly transition. In regards to the physical climate risk dimension, the disorderly transition scenarios also cover a 1.5°C warming, as well as a below 2°C warming scenario.

In a "hot house world" scenario, the physical risk dimension covers the full implementation of Nationally Determined Contributions ("NDCs"), which correspond to approximately 2.5°C warming, and the current policies scenario, which corresponds to a warming of 3°C+ above pre-industrial levels. In these scenarios, the physical effects of climate change are most severe with chronic changes in living conditions affecting health, labor productivity, agriculture, ecosystems, and sea-level rise, as well as the frequency and severity of severe weather events. These effects would have a substantial impact on financial asset valuations and could cause early asset retirement of our Clean Energy assets. In our well-diversified investment platform, climate change could manifest itself financially in different ways in our investment strategies as follows:

Private Credit

Climate transition and physical risks could impact the borrower company's ability to repay its debt. Climate risk could then manifest itself financially by way of default, or by way of a change in credit quality. The latter could result in an increase in credit provisioning and therefore capital.

Private Equity

Climate-related risks could impact the assessment of portfolio companies' prospective profitability and could lead to changes in equity valuations. This effect becomes more severe for companies with a business model incompatible with a low-carbon economy, which could suffer declines in revenues from the shift in product demand by climateconscious customers and higher operating costs due to carbon pricing schemes. The risk is also more severe for companies exposed to the physical climate risks, which may lead to damaged production facilities and stranded assets.

Clean Energy

As an investor into renewable energy assets (solar and wind power), we capture attractive climate-related opportunities as economies scale up the transition towards lower-carbon energy supply. Nonetheless, our real assets are also exposed to physical climate risks, which could cause damage to the modules and equipment, leading to higher repair and insurance costs, as well as risk of early asset retirement. We also face transition risks, such as those arising from increasing policies aimed at enhancing GHG emissions reporting, but overall the level of transition risks remains low compared to other sectors.

The underlying assumptions of each climate scenario are detailed on the following pages.



Orderly transition scenarios

In the orderly transition scenarios, a transition towards a low-carbon economy would be achieved through a gradual reduction in GHG emissions and an increase in carbon prices. The global average air temperatures would increase by 1.5°C - 1.8°C above pre-industrial levels. In the orderly transition scenario, annual investments in energy efficiency and green technologies would increase to up to USD 3 trillion by 2030. Climate change would impact living conditions in terms of reduced labor productivity (due to the hot climate conditions), health impacts, agriculture, ecosystems and the rise in sea levels. Acute physical climate hazards, including droughts and heatwaves, wildfires, cyclones and flooding would increase in frequency and severity.

The total cumulative GDP impact from physical and transition climate risks relative to a baseline with no climate risks is projected to be ca. -3% by 2050.

The NGFS defines two orderly transition scenarios:

- 1. Net Zero 2050 limits global warming to 1.5°C through stringent climate policies and innovation, reaching global net zero CO2 emissions around 2050. Some jurisdictions such as the U.S., EU, UK, Canada, Australia and Japan reach Net Zero for all greenhouse gases
- Below 2°C gradually increases the stringency of climate policies, giving a 67% chance 2. of limiting global warming to below 2°C

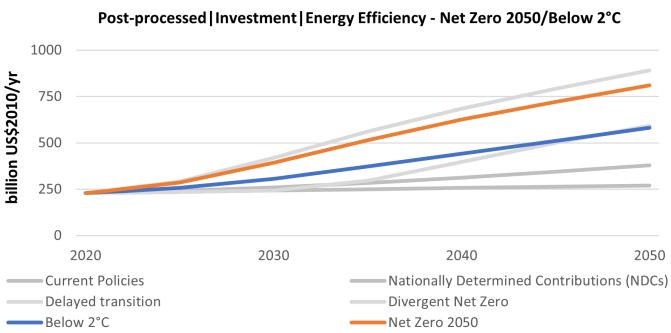
Scenario assumptions and parameters

The orderly transition scenarios project a gradual reduction in CO2 emissions through immediate policy action aimed at decarbonizing the energy sector, accelerating the switch to low-carbon fuels in industry, transport and buildings, and increasing carbon removals, such as through the deployment of bioenergy with carbon capture and storage and enhancing afforestation.

US\$2010/t CO2 750 500 250 2020 2030 **Current Policies Delayed transition** Below 2°C

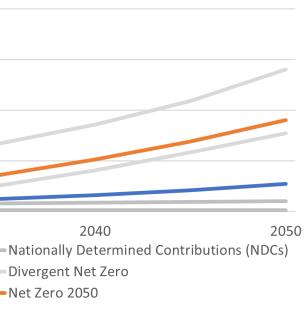
1000

Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4. Carbon prices are weighted global averages.



Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4

Price | Carbon - Net Zero 2050/Below 2°C



Disorderly transition scenarios

In the disorderly transition scenarios, a transition towards a low-carbon economy would be achieved through the introduction of policy change, however this would be delayed or divergent across different countries and sectors. The global average air temperatures would increase by 1.6°C - 1.8°C above pre-industrial levels. In the disorderly transition scenario, annual investments in low-carbon technologies would increase to up to USD 3 trillion by 2050 and investments into energy efficiency would rise.

Climate change would impact living conditions in terms of reduced labor productivity (due to the hot climate conditions), health impacts, agriculture, ecosystems and the rise in sea levels. Acute physical climate hazards, including droughts and heatwaves, wildfires, cyclones and flooding would increase in frequency and severity.

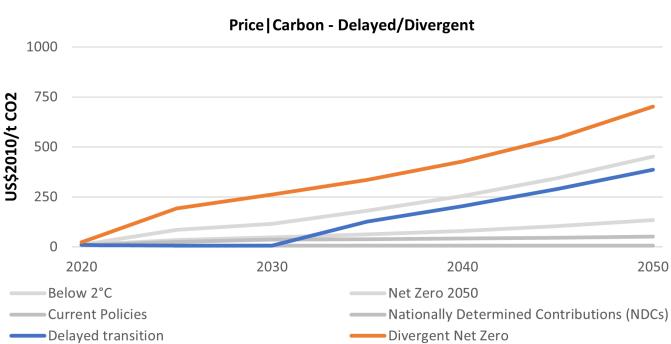
The total cumulative GDP impact from physical and transition climate risks relative to a baseline with no climate risks is projected to be between ca. -4.6% and -4.7% by 2050.

The NGFS defines two disorderly transition scenarios:

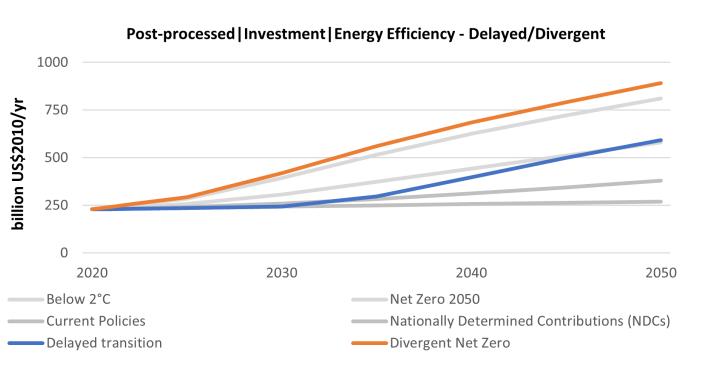
- Divergent Net Zero transition: reaches net zero globally around 2050 but with higher 1. costs due to divergent policies introduced across sectors leading to a quicker phase out of oil use
- Delayed transition: assumes annual emissions do not decrease until 2030. Strong 2. policies are needed to limit warming to below 2°C. Negative emissions are limited

Scenario assumptions and parameters

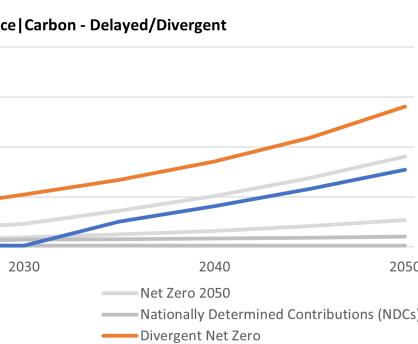
The disorderly transition scenarios project a late policy action, which results in rising GHG emissions until 2030. The climate policies induce a sharp decrease in CO2 emissions thereafter to compensate for the delayed action. The reduction in CO2 emissions occurs earlier and hence more gradual in the 'divergent net zero scenario'.



Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4. Carbon prices are weighted global averages.



Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4.





Hot house world scenarios

In the hot house world scenarios, CO2 emissions do not decrease and carbon prices are not high enough to prevent significant mean air temperature rise (between 2.4°C - 3°C above pre-industrial levels), resulting in high physical climate risks. Climate change would significantly impact living conditions in terms of reduced labor productivity (due to the hot climate conditions), health impacts, agriculture, ecosystems and the rise in sea levels. Acute physical climate hazards, including droughts and heatwaves, wildfires, cyclones and flooding would increase in frequency and severity.

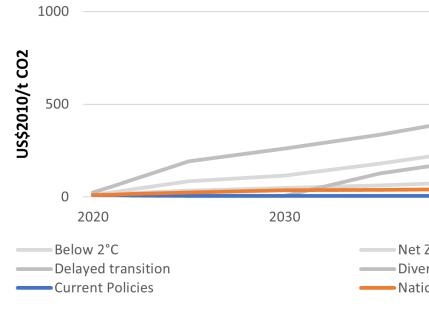
The total cumulative GDP impact from climate change is projected to be between ca. -5.7% and -6% by 2050.

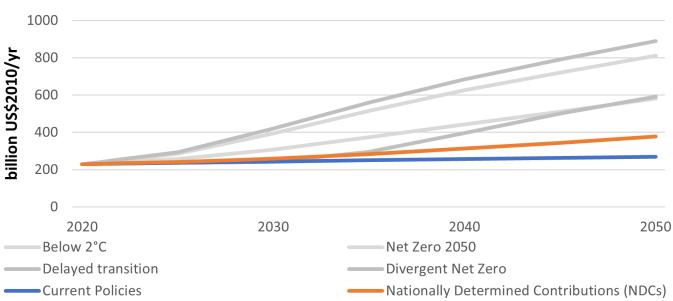
The NGES defines two hot house world scenarios:

- 1. Nationally Determined Contributions (NDCs) includes all pledged targets even if not yet backed up by implemented effective policies
- Current Policies assumes that only currently implemented policies are preserved, 2. leading to high physical risks

Scenario assumptions and parameters

The disorderly transition scenarios project that CO2 emissions do not decrease sufficiently to prevent significant increases in global mean air temperatures, which results in high physical climate risks.





Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4





2040		2050
Zero 2050 rgent Net Zero onally Determined	Contributions (NI	DCs)

Source: IIASA NGFS Scenario Explorer. REMIND-MAgPIE 3.0-4.4. Carbon prices are weighted global averages.

Post-processed | Investment | Energy Efficiency - Current Policies/NDCs

Limitations

There are several limitations associated with the climate scenario tool applied, as such scenarios are not a forecast of the likely outcomes, but rather an illustration of possible future events. The NGFS scenarios are underpinned by numerous subsets of models (e.g. REMIND, GCAM and MESSAGE) which make certain assumptions about long-term technology pathways and carbon pricing. The "Orderly Below 2°C" scenario assumes a common carbon price for the global energy and transportation sectors and does not account for geographic variation, whereas the "Net Zero 2050" scenario accounts for differences in carbon prices across jurisdictions. The "Divergent Net Zero" scenario also accounts for carbon price variations across sectors and geographies.

Nonetheless, the Climate Narrative Tool by the CFRF is a useful tool for climate-related risk assessments and reporting.

A further limitation to point out is the absence of geographic distinction on the physical climate hazards. Further, each sector contains a large number of sub-sectors, which tend to have varying degrees of average sector emissions (and therefore a different sensitivity towards carbon pricing). Moreover, the Climate Narrative Tool does not account for the size of the investee companies and as such there are varying degrees to which environmental legislation applies to the portfolio companies. To partially overcome these limitations, we make use of additional layers of analysis, which include:

- Accounting for individual sectors' sensitivities around transition risks, utilizing a <u>Transition Risks Heat Map</u>
- Accounting for geographic exposure to carbon pricing schemes, utilizing the <u>World</u> <u>Bank Carbon Pricing Dashboard</u> database
- Analyzing physical climate risks and their severity across regions, utilizing the climate hazard tool <u>ThinkHazard</u> and the <u>Aqueduct Water Risk Atlas</u>
- Analyzing the physical climate hazards that could pose a financially material impact to our investments and own operations across different time horizons and the three NGFS scenarios ("Net Zero by 2050", "Delayed Transition" and "Current Policies" scenarios), utilizing the <u>Climate Impact Explorer</u>



Time horizon

Climate-related risks are oftentimes expected to materialize in the future, which could mean that they only crystalize after the hold period. As such, Capital Dynamics considers climate-related risks and opportunities over the short-, medium- and longer term with the following time horizons:

Short-term: 3-7 years (asset hold period)

Climate-related risks and opportunities that materialize during the ownership / lending period are likely to require an immediate action that may differ from the business plan established beforehand. The short-term time horizon therefore accounts for our asset hold period.

Medium-term: 7-15 years (post hold period)



Climate-related risks and opportunities may materialize after exit, and such medium-term climate scenario analysis helps us identify potential impacts on valuations at the time of exit. Further, the risk identification over the medium-term may also inform the best time for divestment.

Longer term: 2050 time horizon



Considering the longer term implications of climate-related risks and opportunities becomes increasingly important as regulators, companies and financial market participants increasingly pledge for net zero targets by 2050. As such, we use scenario analysis over the longer time horizon, which helps us understand what impacts our investment strategies have on the environment and the global ambition to transition towards a low-carbon economy. Further, becoming aware of longer-term climate risks associated with our investments may also impact the valuation and exit multiple of a portfolio company in the short and medium term.

For our physical climate risk scenario analysis (see appendix) we report on the climate hazard values in the baseline year 2020, and disclose how the climate hazards are expected to evolve under the three NGFS scenarios over the time horizons 2025 (shortterm), 2030 (medium-term), 2050 and 2100 (long-term). The long-term view is of particular relevance to physical climate risks, as the severity of climate hazards is expected to increase over time.

Determination of climate risks and opportunities with a material financial impact on Capital Dynamics

Utilizing the Climate narrative tool by NGFS, we determine the materiality of climaterelated risks and opportunities for our asset class and sector exposures as follows:



under management

Financially material climate-related risks by sector

As an asset manager, our own greenhouse gas emissions are relatively low and the main climate-related transition and physical risks we face stem from the portfolio companies we invest in and lend to, as well as the climate risks to which our Clean Energy assets are exposed. Therefore, we assess the transition and physical risks of our underlying exposures by sector and assess how climate-related risks impact our investment portfolio over the short-, medium- and longer term. The following sectors are in scope of our analysis:



under management



Manufacturing



Utilities (renewable energy)

Further, we also assess the climate risks and opportunities we face in our own operations. The following pages provide a summary of transition and physical climate risks per sector based on the outputs provided by the Climate Narrative Tool. The corresponding results of the scenario analysis for each sector are available in the appendix.



One of our top 5 exposures or more than 10% of total assets under management

Telecommunication

Transport

Consumer products

The consumer products sector comprises companies operating in retail trade, selling commodities for personal and household use and rendering services related to the sale of goods. These include, among others, physical stores, such as consumer cooperatives and shops and non-physical stores, for instance mail-order houses and vending machines. The sector also comprises purchasing and selling merchandise, secondary processing of products (not included in manufacturing sector) and operating warehouses (nonexhaustive list).

Transition risks

The consumer products sector is an intermediary between the manufacturing sector and the end consumers. In the orderly transition scenarios, the consumer products sector is impacted by the effect of increased regulations faced by the suppliers of products (e.g. carbon pricing policy aimed at reducing GHG emissions, which could result in higher purchasing prices as suppliers look to pass on price increases), as well as the changes in customer behaviors who shift their demand towards sustainable products. Further, portfolio companies operating in the consumer products sector could face transition risks on account of the carbon intensity of their own practices, if these need changing. This includes product offerings, energy consumption, property, distribution and product packaging. Changes to the inherent practices might be required due to regulation (for instance a ban on single-use plastics), shifts in consumer demand, supply chain pressures and strategic business choices. Energy efficiency is likely to play an important role in the consumer products sector, since national energy strategies, carbon pricing regulation and changing energy consumption pattern and societal demands could have a long-term and substantial impact on retail, upstream manufacturers and consumers, putting pressure on profitability of companies operating in the consumer products sector.

Physical risks

Companies operating in the consumer products sector are highly exposed to physical climate risks, which include chronic risks (e.g. rising sea levels and rising air temperatures) and acute risks arising from the increased frequency and intensity of severe weather events (e.g. droughts, wildfires, heatwaves, cyclones and flooding). The acute physical climate risks could lead to increasing disruption in the supply chains and own operations, which could affect costs and revenues and thereby lower profitability for the companies. In particular upstream manufacturers located in jurisdictions highly exposed to severe weather events (such as flash flooding) pose a risk to supply chain disruption,

which directly impacts retailers in these geographies. Notably, physical climate risks could cause substantial disruption in crop yields and therefore to the food supply chains. The adverse effects of physical climate risks are projected to cause a substantial reduction in GDP, which in turn could affect the demand for consumer products.

Manufacturing

The manufacturing sector comprises companies involved in the transformation of mainly raw materials or substances into new products through mechanical, physical or chemical processes. The sector also includes manufactured products that are derived from the assembly of component parts. Companies operating in the sector tend to use powerdriven machinery or handling equipment. Examples of manufacturing firms include pharmaceutical and medicine manufacturing, chemical products, plastics, cement, clay, glass, rubber manufacturing, beverage and tobacco manufacturing, textile, computer and electronic product manufacturing, transportation equipment, and engine, turbine and power transmission equipment manufacturing (non-exhaustive list).

Transition risks

The manufacturing sector to date largely still depends on fossil fuels, yet the sector is increasingly supporting the transition to a low-carbon economy, partially driven by environmental regulations in certain jurisdictions and the increasing availability of climate finance and by the economic rationale to consider abatement. Shifting consumer demands towards sustainable products impact the manufacturing sector (e.g. the increased usage of sustainable materials in apparel manufacturing to meet consumer demand). The manufacturing sector could be compatible with a low-carbon economy and substantially reduce its carbon footprint through using clean energy sources in the manufacturing process, increasing materials efficiency in support of a circular economy and utilizing carbon capture and storage ("CCS"). The potential risks associated with the measures include a sharp disruption to production (with potential asset damage) and operating challenges, which increase costs and volatility in the commodity markets. Companies operating in the sector, in particular carbon intensive manufacturing firms, may significantly lose market value and face the risk of stranded assets due to climate legislation and green technologies innovation that would lead to high investment adjustment costs.



Physical risks

Companies operating in the manufacturing sector are vulnerable to physical climate risks because of their reliance on raw materials and the dependence on global supply chains. Acute climate risks (e.g. droughts, wildfires, heatwaves, cyclones and flooding) can substantially disrupt the availability of raw materials (for example crops). Labor productivity is also projected to fall as global average air temperatures rise.

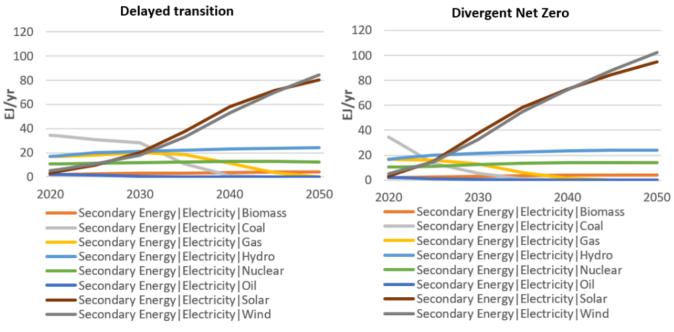
Portfolio companies in the manufacturing sector could therefore face increased costs and lower revenues, thereby affecting profitability. Investments into resilient physical infrastructure and diversifying supply chains across geographies would likely increase costs for the companies, whilst helping to absorb physical shocks from the adverse impacts of climate change.

Utilities (renewable energy)

The utilities sector consists of companies that provide basic amenities such as water, sewage services, gas and electricity. This includes the generation and distribution of renewable energy, which is the focus of our climate risk and opportunities analysis due to the nature of our Clean Energy business that makes direct equity investments into solar and wind projects.

Transition risks

Renewable energy has a critical role to play to achieve the transition towards a lowcarbon economy. The decarbonization of global energy and the electrification of energy consumption in carbon intensive industrial and transportation sectors are key drivers impacting the utilities sector as a whole. Climate legislation and the pressure on companies to reduce their carbon footprint is expected to increase the demand for renewable energy sources, thereby having a positive impact on profitability for renewable energy producers, i.e. the climate transition risks faced by high emitting sectors translate into a financially material climate opportunity for the renewable energy sector. Changes in carbon pricing, electricity demand and the national energy mix and energy prices are likely to dominate the positive financial impacts for renewable energy producers. In the orderly and disorderly transition scenarios, electricity generation from solar and wind experience the largest absolute and relative increases in valuation (see graphs on next page for a representation of projected earnings per year of different electricity sources in the delayed and divergent net zero scenarios). In our Clean Energy investment strategy, these assumptions represent a substantial investment opportunity for our clients.



Source: IIASA NGFS Climate Scenarios Database. REMIND-MAgPIE 3.0-4.4 model.

Physical risks

Chronic physical climate risks, such as rising sea levels and increased global mean temperature, as well as acute risks (e.g. wildfires, cyclones and flooding) could have an impact on the wind and solar modules, potentially causing physical damage and early retirement of the equipment, as well as more frequent repair needs, disruption in operations and an increase in insurance costs. The physical risks would be particularly high in project sites located in geographies most exposed to the adverse effects of climate change and would be most visible in a longer time horizon. In fact, oftentimes wind and solar projects are indeed located in geographies that are exposed to high physical risks (for instance close to the seaside, jurisdictions exposed to severe storms and extreme heat, etc.). Other effects on profitability and valuations include the increase in average air temperatures, which could reduce the demand for energy used for heating (and could increase the demand for energy used for cooling). Moreover, in a hot house world scenario, the transitional risk and opportunity effects for renewable energy would generally reverse compared to the orderly and disorderly transition scenarios. This would mean renewable energy producers could face valuation impairments compared to current market prices, whilst high emitting energy sources would see an uplift in valuations.



Telecommunications

The telecommunications sector consists of companies that provide telecommunications and supporting services and firms that provide access to facilities for the transmission of voice, data, text, sound, and video. Among others, it also comprises companies specialized in satellite tracking, communications telemetry, radar station operation and other telecommunications services.

Transition risks

The Telecommunications sector could be exposed to transition risks in the orderly and disorderly transition scenarios due to the changing patterns in energy generation and national energy strategies, changes in carbon legislation and societal changes. These factors could have significant and long-term financial impacts on portfolio companies operating in this sector, affecting the profitability of telecommunications firms through the increase in costs (for example through carbon pricing policies) and impacts on revenue due to changing consumer preferences.

Physical risks

Chronic physical risks (e.g. rising sea levels) and acute physical risks (e.g. flooding, storms, wildfire and extreme temperatures) could cause substantial network damage and affect related telecommunications services in a hot house world scenario. The increasing frequency and severity of severe weather events could cause disruption to productivity and infrastructure, leading to higher operational costs and impacting the profitability of portfolio companies operating in this sector. Further, physical climate risks could impact employment and the ability to operate and meet customer demand, which will likely affect revenues.

Transport

Companies operating in the transport sector typically comprise firms providing services to move people or goods, whether by air, rail, water, road or pipeline, and related transportation infrastructure. The sector also consists of companies providing transport support services, such as packing, crating, warehousing and storage. Portfolio companies operating in the transport sector may be involved in one or more of the following

activities: trucking, shipping, airline operation, logistics, scenic and sightseeing transport, and transport equipment maintenance.

Transition risks

The projected changes in energy generation patterns in the orderly and disorderly transition scenarios are likely to affect the profitability of portfolio companies operating in the transport sector, if these are carbon-intensive firms that need to adjust their business model towards low-carbon fuel consumption. Consumer preferences could change such that environmentally sustainable practices are expected and if not met, the demand for the products and services of companies operating in the transport sector could decline. Further, in the disorderly transition scenarios, a limited relative reduction in GDP growth is assumed, which could affect the rate of demand growth for passenger and goods transport.

Physical risks

Portfolio companies operating in the transport sector could also be exposed to high physical risks. Chronic climate risks (e.g. rising sea levels and increased average air temperatures) and acute risks (e.g. the increased frequency and severity of severe weather events, such as heatwaves, flooding, cyclones and wildfires) could affect vehicle performance, damage infrastructure and disrupt operations (such as through frequent reroutings and temporary route closures). These adverse effects could increase costs and reduce revenues, thereby affecting the profitability of companies operating in the transport sector. Lastly, in a hot house world scenario, the physical climate risks are projected to lead to substantial GDP losses, which in turn could affect the demand for transport.

On the following pages we discuss the climate-related risks we face as an asset manager resulting from our exposure to the above-mentioned sectors, as well as the climate risks we face in our own operations. Please refer to the appendix for the sector-level climate risks and opportunities analysis, as well as the physical climate risk scenario analysis for climate hazards over time under three NGES scenarios.



CapitalDynamics $\mathbf{28}$

RISK	MATERIALITY	FINANCIAL TIMEFRAM IMPACT	IE ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Policy & Regulation Carbon-intensive businesses are most vulnerable to carbon pricing policies and increased environmental litigation. Investments made into high emitting firms and / or companies operating in geographies most at risk of stringent carbon pricing policies are therefore most exposed to equity valuation adjustments and higher credit risks	Low Medium High	 Lower AUM Decreased revenue 	Concentration of investment universe on carbon-intensive businesses or firms with limited ability to pass on price increases to the end customer represent the highest risk exposure	Concentration of investment universe on carbon-intensive businesses or firms with limited ability to pass on price increases to the end customer represent the highest risk exposure	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
Technology Carbon-intensive businesses are most vulnerable to risks arising from technology (i.e. innovation to support the transition towards a low- carbon economy could replace existing technology, leading to high capital expenditure). These investee companies are most exposed to equity valuation adjustments and higher credit risk	Low Medium High	 • Lower AUM • Decreased revenue 	Concentration of investment universe on carbon-intensive businesses or firms with limited ability to adapt business model in support of a low-carbon economy represent highest risk exposure, e.g. firms failing to mitigate climate risks and implement appropriate adaptation measures are exposed to highest losses and possibly counterparty claims	Concentration of investment universe on carbon-intensive businesses or firms with limited ability to adapt business model in support of a low-carbon economy represent highest risk exposure, e.g. firms failing to mitigate climate risks are exposed to highest losses and possibly counterparty claims	N/A for hot house world scenario, as no transition to lower carbon economy is assumed

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Businesses failing to address changing client demands in support of a lower carbon economy are most exposed to reputational risks leading to equity valuation adjustments and higher credit risk • Decreased revenue investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure investment universe on firms that have not started the transition to lower their carbon output yet represent the highest risk exposure N/A for hot scenario, firms that have not started the transition to lower their carbon output yet represent the highest risk exposure N/A for hot scenario, firms that have not started the transition to lower their carbon output yet represent the highest risk exposure N/A for hot scenario, firms failing to adapt Market Image: Medum High • Lower AUM Image: Medum High • Lower AUM Image: Medum High Concentration of investment universe on firms failing to adapt N/A for hot firms failing to adapt	HOUSE ORLD		DISORDERLY TRANSITION	ORDERLY TRANSITION	TIMEFRAME	FINANCIAL IMPACT	MATERIALITY	RISK
 Lower AUM Decreased revenue investment universe on firms that have not started the transition to lower their carbon output yet represent the highest risk exposure Market Lower AUM Decreased revenue Market Lower AUM Lower AUM Decreased revenue Concentration of investment universe on firms that have not started the transition to lower their carbon output yet represent the highest risk exposure Concentration of investment universe on firms failing to adapt transition to scenario, transition carbon exposure Market Lower AUM Decreased revenue Concentration of firms failing to adapt transition to scenario, firms that have not started the transition to lower their carbon output yet represent the highest risk exposure Concentration of firms failing to adapt transition to scenario, transition to scenario, to a low-carbon economy (for example a 	n to lower economy is	scenario, transition carbon e	investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the	investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the			Low Medium High	Businesses failing to address changing client demands in support of a lower carbon economy are most exposed to reputational risks leading to equity valuation adjustments and higher
 Decreased revenue investment universe on firms failing to adapt product range that could be phased out in the transition to a low-carbon economy (for example a Decreased revenue investment universe on firms failing to adapt business model and diversify product ranges to meet climate- conscious consumer investment universe on firms failing to adapt business model and diversify product ranges to meet climate- conscious consumer 	ot house world as no to lower economy is	scenario, transition carbon e	investment universe on firms that have not started the transition to lower their carbon output yet represent the highest risk	investment universe on firms that have not started the transition to lower their carbon output yet represent the highest risk			-	Rapid technological change, such as the widespread of electric vehicles, affect the value of financial assets, e.g.
sole customer base is a high highest risk exposure highest risk exposure emitting sector, such as thermal coal) are most affected by equity valuation adjustments and higher credit risk	to lower economy is	scenario, transition carbon e assumed	investment universe on firms failing to adapt business model and diversify product ranges to meet climate- conscious consumer demand represent the highest risk exposure	investment universe on firms failing to adapt business model and diversify product ranges to meet climate- conscious consumer demand represent the	2		Low Medium High	Companies with a narrow product range that could be phased out in the transition to a low-carbon economy (for example a manufacturing firm whose sole customer base is a high emitting sector, such as thermal coal) are most affected by equity valuation adjustments and higher





RISK	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Market Companies failing to mitigate market risks that emerge from the shifts in demand and supply in support of a transition towards a low-carbon economy and businesses failing to adapt are most affected by equity valuation adjustments and higher credit risk	Low Medium High	Lower AUM Decreased revenue	M	Concentration of investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure	Concentration of investment universe on firms failing to take adaptation measures in support of a low-carbon economy represent the highest risk exposure	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
Cyclones, storms (acute)	Low Medium High	Lower AUM Decreased revenue		Concentration of investment universe on firms located in geographies most affected by increasing extreme weather events represent high risk exposure	Concentration of investment universe on firms located in geographies most affected by increasing extreme weather events represent high risk exposure	Concentration of investment universe on firms located in geographies most affected by increasing extreme weather events represent severely high risk exposure

-Low Medium High

<5% of total AUM

Low Medium High

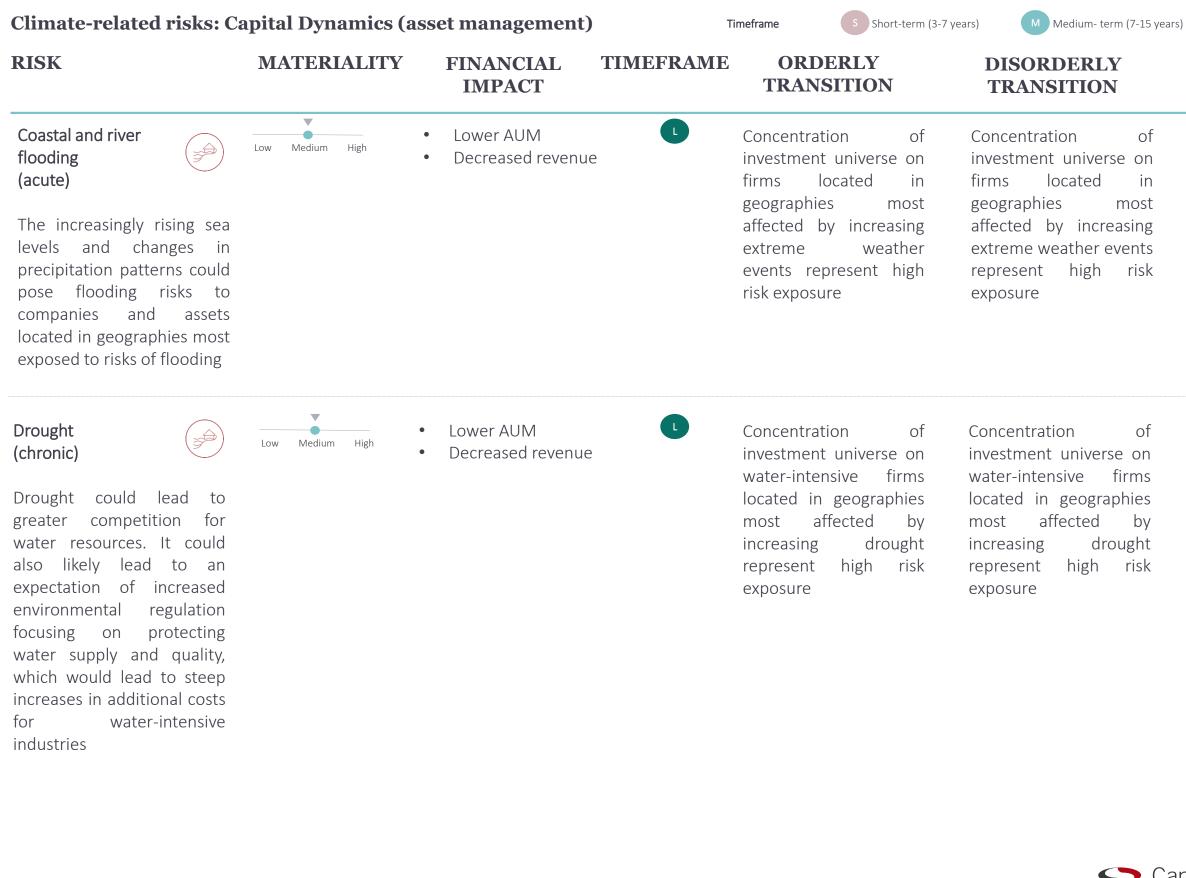
5-10% of total AUM

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Transition risk

Physical risk



Medium High

low

<5% of total AUM Medium High

low

5-10% of total AUM low

HOT HOUSE WORLD

of	Concentra	atior	۱	of
on	investmer	nt u	niverse	e on
in	firms	loca	ated	in
ost	geographi	ies	r	nost
ng	affected	by	increa	sing
nts	extreme v	veat	her ev	ents
sk	represent	sev	rely	high
	risk expos	ure		

of	Concentration of
on	investment universe on
าร	water-intensive firms
es	located in geographies
зу	most affected by
ht	increasing drought
sk	represent severely high
	risk exposure

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Transition risk



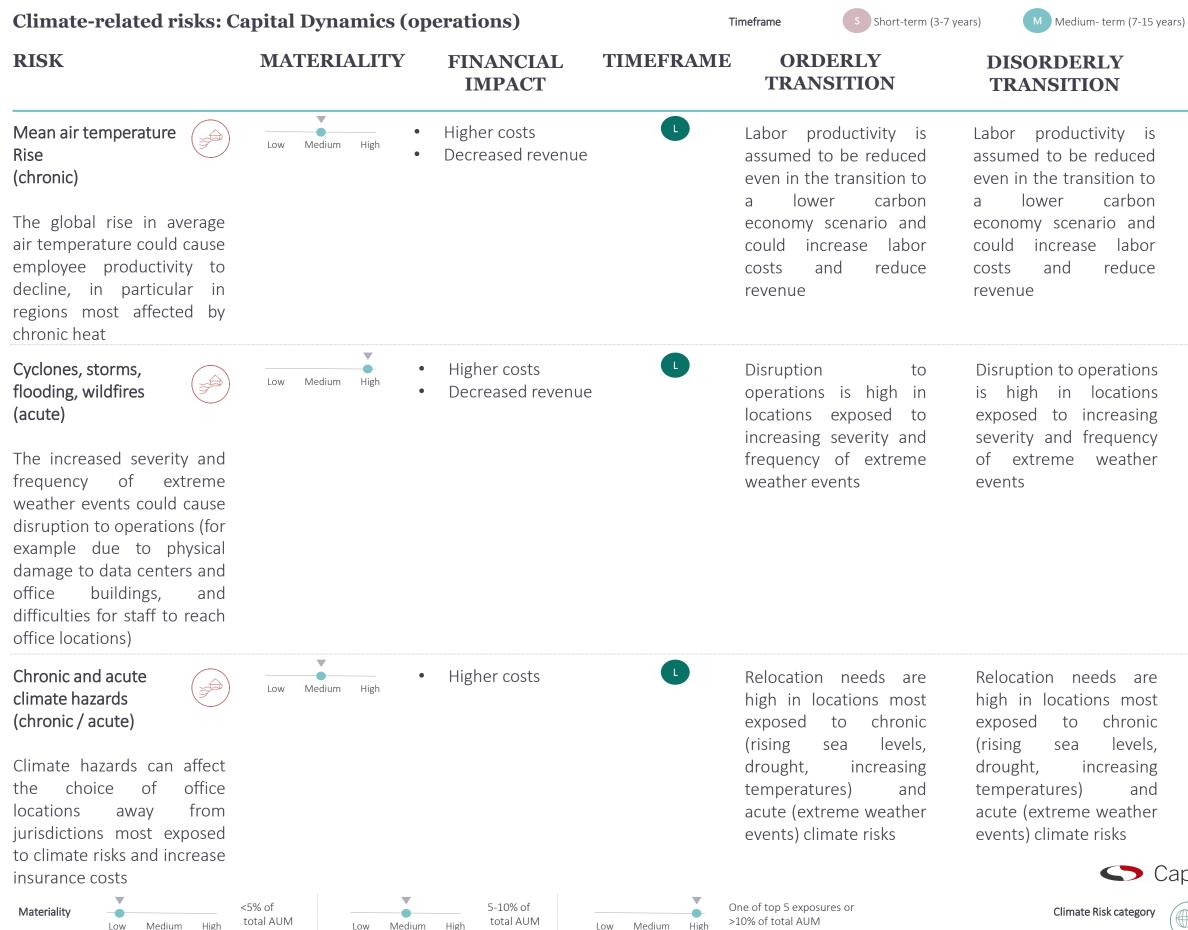
Climate-related risks: Ca RISK	apital Dynamics (as MATERIALITY	set management) FINANCIAL TIMEFF	Timeframe S Short-term (3-7 RAME ORDERLY	7 years) Medium- term (7-15 year DISORDERLY	Long-term (2050)
		IMPACT	TRANSITION	TRANSITION	WORLD
Mean air temperature rise (chronic) The rise in average air temperature in some jurisdictions could be substantial, affecting agriculture and availability of raw materials, transport, and medical care. It also affects the labor productivity of companies. These effects have an impact on equity valuation and credit risk of underlying companies	Low Medium High	Lower AUM Decreased revenue	Concentration of investment universe on firms located in geographies most affected by increasing air temperatures, or companies with supply chains being located in such jurisdictions represent high risk exposure	Concentration of investment universe on firms located in geographies most affected by increasing air temperatures, or companies with supply chains being located in such jurisdictions represent high risk exposure	Concentration of investment universe on firms located in geographies most affected by increasing air temperatures, or companies with supply chains being located in such jurisdictions represent severely high risk exposure
Rising sea levels, temperature rise, drought, extreme weather events (chronic / acute) The increasing frequency and severity of climate hazards (chronic and acute) could lead to some companies and assets most exposed to the risks becoming uninsurable, impacting equity valuations and increasing credit risks	Low Medium High	Lower AUM Decreased revenue	Concentration of investment universe on firms and assets most exposed to acute and chronic climate hazards represent high risk exposure	Concentration of investment universe on firms and assets most exposed to acute and chronic climate hazards represent high risk exposure	Concentration of investment universe on firms and assets most exposed to acute and chronic climate hazards represent severely high risk exposure
	<5% of total AUM Low Medium	5-10% of High total AUM Low Medium	One of top 5 exposures or +ligh >10% of total AUM		(free free free free free free free fre



RISK	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
olicy & Regulation nhanced regulatory isclosure obligations ncrease costs for data ollection of climate-related PIs and reporting efforts	Low Medium High	• Higher costs	5	Increasing regulatory requirements (for example SFDR, EU Taxonomy and UK SDR) in support of financing the transition towards a lower carbon economy represent high regulatory risk and severely high costs associated with rising reporting obligations	Increasing regulatory requirements (for example SFDR, EU Taxonomy and UK SDR) in support of financing the transition towards a lower carbon economy represent high regulatory risk and severely high costs associated with rising reporting obligations	Increasing regulatory requirements on climate risk exposure still applicable in hot house world scenario, as regulations / consultations on upcoming regulatory reporting regimes are already put in place
olicy & Regulation	Low Medium High	• Higher costs	l	Office locations in jurisdictions most exposed to increasing carbon pricing policies represent could be exposed to higher costs	Office locations in jurisdictions most exposed to increasing carbon pricing policies represent could be exposed to higher costs	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
Technology Upgrades to technology in support of a transition to a ow-carbon economy could become necessary for certain office locations (for example making electric vehicle charging points available)	Low Medium High	• Higher costs	l	Office locations with no / limited low-carbon technology facilities are most exposed to higher costs	Office locations with no/ limited low-carbon technology facilities are most exposed to higher costs	N/A for hot house world scenario, as no transition to lower carbon economy is assumed



RISK	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Policy & Regulation, Reputation Perception of not having appropriately engaged with policy makers in support of a lower carbon economy and / or portfolio / borrower companies to address climate risks increases reputational risk and represents a missed opportunity to mitigate climate risks	Low Medium High	Decreased revenue		Failing to meet increasing expectations to be an active voice in the transition towards a low-carbon economy could lead to substantial revenue losses	Failing to meet increasing expectations to be an active voice in the transition towards a low-carbon economy could lead to substantial revenue losses	Increasing expectations to be an active voice in climate-related matters also applicable in hot house world scenario, as stakeholder expectations are already present
Market, Reputation	Low Medium High	Decreased revenue	5	Financial products failing to address climate-related risks and opportunities represent highest risk exposure of a decreased social license to operate and increased reputational risks	Financial products failing to address climate-related risks and opportunities represent highest risk exposure of a decreased social license to operate and increased reputational risks	N/A for hot house world scenario, as no transition to a lower carbon economy is assumed
Reputation Increased stakeholder demand for climate-related impact disclosures increases costs for carbon accounting measures and tools and enhanced climate-related reporting offerings	Low Medium High	Higher costs	S	Increasing reporting expectations and obligations increase costs associated with Responsible Investment reporting capabilities	Increasing reporting expectations and obligations increase costs associated with Responsible Investment reporting capabilities	Increasing reporting expectations on climate-related risks still applicable in hot house world scenario, as stakeholder expectations are already present pitalDynamics 3



L Long-term (2050)

HOT HOUSE WORLD

is	Labor productivity is
ed	assumed to be severely
to	reduced in the hot
on	house world scenario
nd	and would increase
or	labor costs and reduce
се	revenue substantially

ns	Disruption to operations					
ns	is	severe	ly	high	in	
ng	loca	ations	exp	osed	to	
су	incr	reasing	sev	erity	and	
ner	frec	quency	of	extr	eme	
	weather events					

ire	Relocatio	n ne	eds	are		
ost	high in l	ocatio	ns n	nost		
nic	exposed	to	chr	onic		
els,	(rising	sea	lev	vels,		
ng	drought,	ir	ncrea	sing		
nd	temperat	temperatures) and				
ier	acute (ex	acute (extreme weather				
	events) cl	events) climate risks				

CapitalDynamics

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Climate-related opportunities

Financially material climate-related opportunities by sector

As an asset manager, our financially material climate opportunities arise from investing into clean energy projects (the renewable energy market, in particular solar and wind technologies, are projected to rise steeply in the transition scenarios). Further, climate opportunities emerge from investing into companies that reduce their GHG emissions across the value chain in line with the goals of the Paris Agreement. Such companies are less exposed to transition risks and therefore represent attractive investment opportunities. Similar to the analysis on financially material climate risks, we identify and assess climate-related opportunities through our underlying sector exposures over the short-, medium-, and long-term time horizons, across the orderly, disorderly and hot house world scenarios. We also assess the financially material climate opportunities we face in our own operations.

Please refer to our analysis of climate-related opportunities by sector in the appendix.

The transition towards a lower carbon economy represents an attractive financial opportunity resulting from climate change mitigation and climate change adaptation proceedings, known as "climate opportunities". Sources of financially material climate opportunities include the following:

E)	Resource efficienc	y: direct	cost	savin	gs from	sustai
FL G7J	Energy source: tr electricity generat	ansition ion	to	clean	energy	sourc

Products and services: increased demand for green products and services, for example green financial products

Markets: increased diversification through access into new markets and financing new clean energy infrastructure projects

Resilience: ability to respond to climate-related risks, improve efficiency, build resilience across supply chains and develop new products



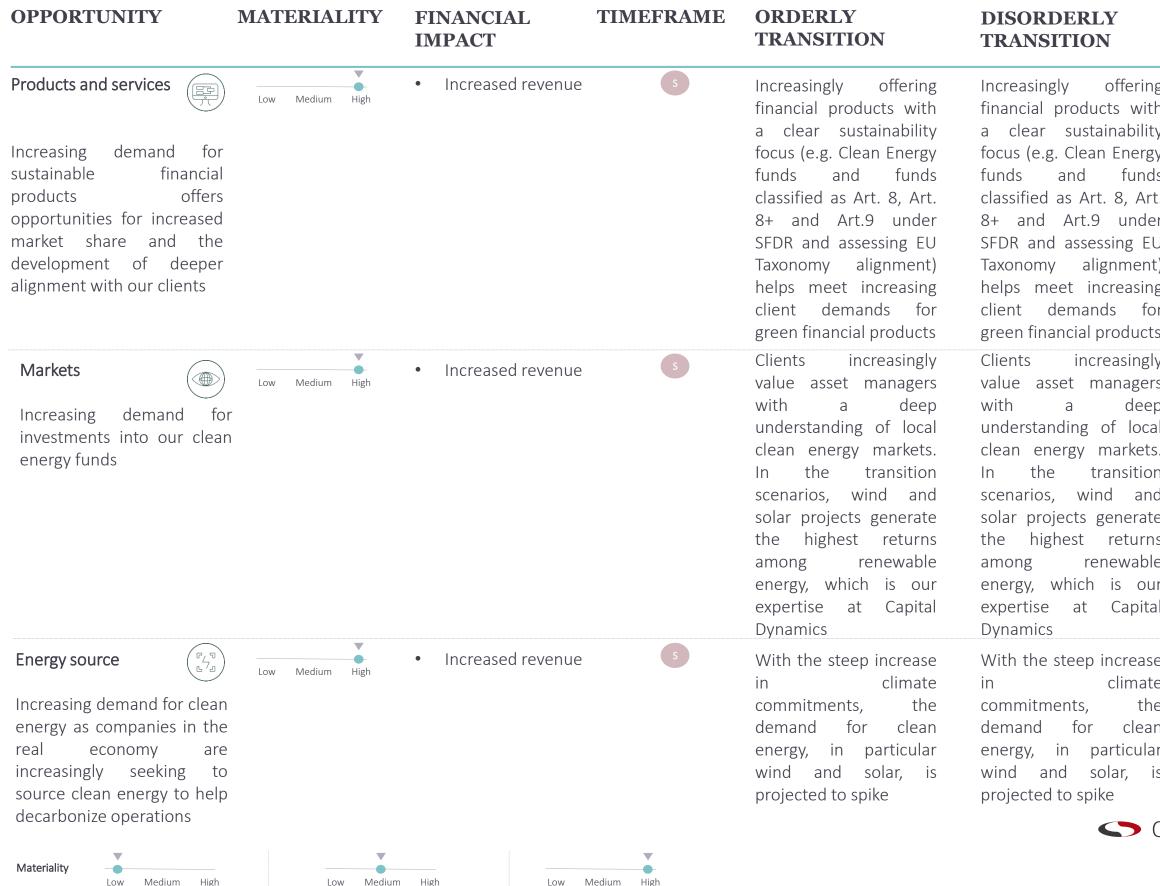
inable efficiency measures

ces, such as wind and solar PV



Timeframe

S Short-term (3-7 years)



L Long-term (2050)

HOT HOUSE WORLD

ring vith ility ergy nds Art. der EU ent) sing for ucts	Opportunity to meet increasing client demand for green products also applicable in hot house world scenario, as demand has already shifted (largely driven by European LPs and sustainable finance regulation)
ngly gers eep ocal ets. cion and rate urns able our our	Opportunity to invest in Clean Energy projects still remains, however in the hot house world scenario, limited scaling of renewable energy sources is assumed
ase iate the ean ular is	Spike in demand for renewables is already happening, although in the hot house world scenario is assumed to scale on a limited basis

Climate-related opportur	nities: Capital D	ynamics (asset man	nagement) Tim	s Short-term (3-7 year	ars) Medium- term (7-15 years)	Long-term (2050)
OPPORTUNITY M	IATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Energy source	Low Medium High	Increased revenue	5	Energy transition policies accelerate the coal phase-out and incentivize higher demand for renewable alternatives. They also provide an attractive and active market for investors into which Capital Dynamics can sell operational assets to maximize value on exit. In the transition scenarios, wind and solar and projected to increase the most among renewable energy technologies	Energy transition policies accelerate the coal phase-out and incentivize higher demand for renewable alternatives. They also provide an attractive and active market for investors into which Capital Dynamics can sell operational assets to maximize value on exit. In the transition scenarios, wind and solar and projected to increase the most among renewable energy technologies	Opportunity to invest in Clean Energy projects still remains, however in the hot house world scenario, limited scaling of renewable energy sources is assumed
Resource efficiency Enhancing our portfolio companies' resource efficiency strengthens value creation during the holding period and exhibits superior returns at exit	Low Medium High	Increased revenue		In the transition scenarios, portfolio companies need to rapidly decarbonize to remain viable in the transition to a low- carbon economy. In our investment approach, we utilize our influence to enhance portfolio companies' sustainability profile and resource efficiency, building resilient companies	In the transition scenarios, portfolio companies need to rapidly decarbonize to remain viable in the transition to a low- carbon economy. In our investment approach, we utilize our influence to enhance portfolio companies' sustainability profile and resource efficiency, building resilient companies	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
Materiality Low Medium High	Low Medium	n High Low	Medium High			

Climate-related opportunities:	Capital Dynamics	(asset management)
eminute renuted opportunities.	Cupital Dynamico	(usset management)

M	Medium- term	(
<	Medium- term	(

OPPORTUNITY	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Resilience Increasing demand for investments into asset resilient to GD fluctuations, such as clear energy	Low Medium High Dr CS P	Increased revenue		The COVID-19 pandemic has shown renewable energy assets are highly uncorrelated to GDP fluctuations and exhibit stable returns. Our clean energy platform, for example, did not suffer performance degradation during the pandemic unlike more traditional types of infrastructure investments such as transportation. In the transition scenarios, demand for wind and solar are projected to increase the most among renewable energy technologies	The COVID-19 pandemic has shown renewable energy assets are highly uncorrelated to GDP fluctuations and exhibit stable returns. Our clean energy platform, for example, did not suffer performance degradation during the pandemic unlike more traditional types of infrastructure investments such as transportation. In the transition scenarios, demand for wind and solar are projected to increase the most among renewable energy technologies	Opportunity to invest in Clean Energy projects still remains, however in the hot house world scenario, limited scaling of renewable energy sources is assumed
investments with furmanagers that support companies in the transition to a low-carb economy that built	for nd ort eir on lds	Increased revenue	Μ	The demand for financial products supporting the shift is expected to rise steadily	The demand for financial products supporting the shift is expected to rise steeply	Increasing demand to invest with fund managers supporting the transition to a low- carbon economy is already in place, but projected to be limited in hot house world
resilient and resource efficient firms	.e-				Cap	oitalDynamics

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OPPORTUNITY	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Resilience Asset managers are instrumental to engaging with portfolio companies as well as policy makers on the transition to a low-carbon economy. Engaging with industry bodies and policy makers on setting industry standards for net zero and supporting policies aimed at greater disclosure about climate-related risks and opportunities allows asset managers to individually and collectively influence the 'rules of the game'		Increased revenue	3	Increasingly offering financial products with a clear sustainability focus (e.g. Clean Energy funds and funds classified as Art. 8, Art. 8+ and Art.9 under SFDR and assessing EU Taxonomy alignment) helps meet increasing client demand for green financial products. Engagement with policy makers and industry bodies further shapes product offerings in support of net zero	Increasingly offering financial products with a clear sustainability focus (e.g. Clean Energy funds and funds classified as Art. 8, Art. 8+ and Art.9 under SFDR and assessing EU Taxonomy alignment) helps meet increasing client demand for green financial products. Engagement with policy makers and industry bodies further shapes product offerings in support of net zero	Opportunity to meet increasing client demand for green products and engaging with policy-makers and industry bodies also applicable in a hot house world scenario as demand has already shifted (largely driven by European LPs and sustainable finance regulation)
Resilience		Increased revenue		Increasing adoption of sustainable finance regimes across jurisdictions should ultimately increase the availability of data with respect to the climate- related resilience of investment portfolios. This allows managers to better mitigate climate- related risks in funds and capture attractive climate opportunities	Increasing adoption of sustainable finance regimes across jurisdictions should ultimately increase the availability of data with respect to the climate- related resilience of investment portfolios. This allows managers to better mitigate climate- related risks in funds and capture attractive climate opportunities	Opportunity to enhance measurement o climate-related risk and opportunities also applicable in hot house world scenario, a demand for bette disclosure has already shifted (largely driver by European LPs and sustainable finance regulation)

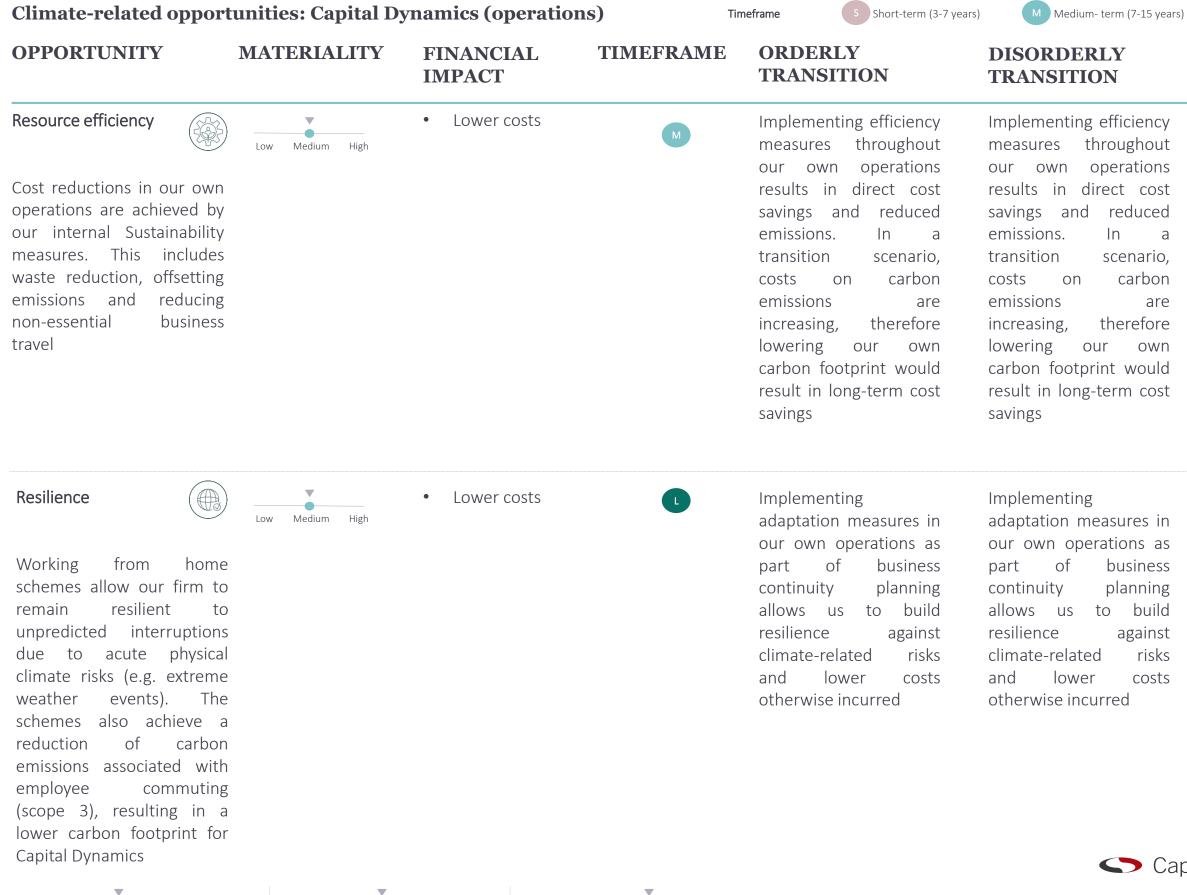
OPPORTUNITY	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Reducing our ow operational carbo	on to re	• Lower costs		In the transition scenarios, carbon pricing policies play an instrumental role in incentivizing companies to reduce emissions. Whilst our carbon footprint is relatively low, reducing our GHG emissions in our operations would allow us to reduce costs from carbon pricing schemes that otherwise would occur	In the transition scenarios, carbon pricing policies play an instrumental role in incentivizing companies to reduce emissions. Whilst our carbon footprint is relatively low, reducing our GHG emissions in our operations would allow us to reduce costs from carbon pricing schemes that otherwise would occur	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
Procuring renewable ener in our office locatio reduces our operation	ns nal nd ce ng	 Higher costs term) Lower costs term) 	(short- M (long-	In the transition scenarios, procuring high emitting energy sources could increase costs substantially due to carbon pricing policies and price increases on fossil fuels compared to prices of renewable energy that are projected to continuously fall and therefore lead to cost savings in the long-run	In the transition scenarios, procuring high emitting energy sources could increase costs substantially due to carbon pricing policies and price increases on fossil fuels compared to prices of renewable energy that are projected to continuously fall and therefore lead to cost savings in the long-run	N/A for hot house world scenario, as no transition to lower carbon economy is assumed

Materiality

------Low Medium High

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 $\mathbf{\nabla}$



Materiality Low Medium

High

Low Medium

High

HOT HOUSE WORLD

ency	N/A for hot house world
hout	scenario, as no
tions	transition to a lower
cost	carbon economy is
uced	assumed
а	
ario,	
rbon	
are	
efore	
own	
ould	

	Strong cost savings from
es in	adaptation measures
s as	assumed in hot house
ness	world scenario, as
ning	frequency and severity
build	of extreme weather
ainst	events are substantial
risks	

Climate-related oppo	rtunities: Capital Dy	mamics (operation	ns) Tir	s Short-term (3-7 year	ars) Medium- term (7-15 years)	Long-term (2050)
OPPORTUNITY	MATERIALITY	FINANCIAL IMPACT	TIMEFRAME	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Resilience Strong focus of sustainability in our firm core values and believe enhances employeed motivation ar commitment to the firm	fs ·s'	• Lower costs	5	Our strong RI ethos is reflected in the way we work and communicate with each other, which allows the firm to attract and retain best talent who are motivated to go the extra mile in delivering value to the firm and our clients. In the transition towards a lower carbon economy, having the right skillset and strong commitment to climate matters will be a vital component of our competitiveness as a firm	Our strong RI ethos is reflected in the way we work and communicate with each other, which allows the firm to attract and retain best talent who are motivated to go the extra mile in delivering value to the firm and our clients. In the transition towards a lower carbon economy, having the right skillset and strong commitment to climate matters will be a vital component of our competitiveness as a firm	Opportunity to increase our resilience and competitiveness through our firm's strong commitment to sustainability also applies in the hot house world scenario, as employees and clients are already today expecting strong core values in a firm

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Transition risk heatmap

To partially overcome some of the limitations associated with the scenario analysis and to take into account the varying degrees of carbon pricing sensitivities among different subsectors to which we are most exposed, Capital Dynamics additionally uses a transition risk heatmap² developed by the UNEP Finance Initiative (see next page). The heatmap demonstrates the size ranges of the projected exposure to costs associated with carbon pricing policies, the additional capital expenditure assumed for the sector in support of the transition to a low-carbon economy, and the incremental impact on sector revenue in the transition scenarios.

The risk factor pathways per sector are designed to be an indication of financial impacts on a given sector and are evaluated as per below scales:

Direct incremental emissions costs

Change in carbon price times scope 1 GHG emissions relative to baseline

Evaluation scale (based on carbon intensity of production):

- High: Segment has higher GHG emissions per unit of production relative to others in the sector
- Moderate: Segment has moderate GHG emissions per unit of production relative to other segments in the sector
- Low: Segment has lower GHG emissions per unit of production relative to others in the sector

Indirect incremental emissions costs

Change in the cost of energy and non-energy production inputs relative to baseline

Evaluation scale (based on input-output database analysis, e.g. World Input Output Database)

- High: Segment is highly reliant on carbon intensive inputs (e.g. oil, cement, steel, coal) • relative to others in the sector
- Moderate: Segment is moderately reliant on carbon intensive inputs relative to others in the sector
- Low: Segment is less reliant on carbon intensive inputs relative to others in the sector

Incremental low-carbon capex

Additional capital expenditure borne by the sector to transition to a low-carbon economy

Evaluation scale (based on marginal abatement cost curves)

- High: Segment requires higher investment in low-carbon capital required to compete relative to others in the sector
- Moderate: Segment requires moderate investment in low-carbon capital to compete relative to others in the sector
- Low: Segment requires lower investments in low-carbon capital to compete relative to • others in the sector

Incremental revenue Incremental price times demand in the transition to a low-carbon economy scenario relative to baseline Evaluation scale (based on industry price elasticity of demand and industry price crosselasticity of demand relative to high-carbon producers) High: Segment experiences highly adverse demand responses relative to others in • sector Moderate: Segment experiences moderately adverse demand responses relative to others in sector Low or positive impact: Segment experiences limited adverse impacts, or demand

- •
- increases relative to others in sector

Fund-level climate-related risks and opportunities

On the following pages (p. 47 - 62) we provide transparency around the aggregated transition risks based on the transition risk heatmap (see next page) for our funds and disclose the physical climate risk exposure in the relevant geographies, along with their severity ratings. Please refer to the appendix to view the climate scenario analysis for the climate hazards relevant to each fund and our own operations.



Transition risk heatmap (all in-scope sectors)

	Sector	Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
an rgy	Power generation (Renewables)- wind and solar	Low	Moderately low	Moderately low	Positive Impact	Low
Clean energy	Batteries / storage (Renewables)	Low	Moderate	Moderate	Positive Impact	Moderately low
	Petrochemicals	High	High	Moderately High	Moderate	High
	Cement or concrete manufacture	High	High	Moderately High	Moderate	High
ials	Renewables manufacture	Moderate	Moderate	Moderate	Positive Impact	Low
Industrials	Electronics manufacture	Moderately High	Moderate	Moderate	Low	Moderately low
Indu	Clothing manufacture	Moderately High	Moderately High	Moderate	Moderate	Moderately Higl
	Consumer durables manufacturing	Moderately High	Moderately High	Moderately High	Moderately low	Moderately Hig
	Other consumer goods manufacturing	Moderate	Moderate	Moderate	Moderate	Moderate
	Sea-based shipping	Moderately High	Moderately low	Moderately High	Moderately low	Moderate
	Tankers	Moderately High	Moderately low	Moderately High	Moderately High	Moderately Hig
	Passenger ships	Moderately High	Moderately low	Moderately High	Moderate	Moderate
ion	Airlines- commercial	High	Moderate	High	Moderately High	Moderately Higl
rtat	Airlines- cargo	High	Moderate	High	Moderately low	Moderately Higl
Transportation	Autos high-carbon (few EVs, many SUVs)	Moderately High	Moderate	Moderately High	Moderately High	Moderately Hig
Trai	Autos low-carbon (many EVs, few SUVs)	Moderate	Moderate	Moderately High	Positive Impact	Low
	Land-based shipping high-carbon (trucks)	Moderately High	Moderately High	Moderate	Moderately High	Moderately Hig
	Land-based shipping low-carbon (rail)	Moderately low	Moderately low	Moderately low	Positive Impact	Low
	Transit systems	Moderate	Moderately low	Moderate	Low	Moderately low
x 20	Financial services	Low	Moderately low	Moderately low	Moderate	Moderately low
ces { olog	Health care	Low	Moderate	Moderately low	Low	Low
Services & Technology	Entertainment & leisure	Moderately low	Moderate	Moderate	Moderate	Moderate
Ne Ne	Technology	Moderately low	Moderate	Moderate	Moderately low	Moderately low

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Climate risks and opportunities Clean Energy (Europe)

Low

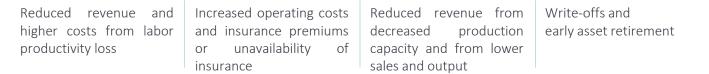
Transition risks score (aggregated):

Direct Indirect Low-carbon Overall Revenue emissions costs CapEx emissions costs Moderately low Moderately low Low Positive Impact Low

Current physical climate risk drivers (aggregated): Medium



Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

- Mean air temperature
- Labor productivity loss due to heat stress •
- Land fraction exposed to wildfires ۲
- Precipitation •
- Expected damage from river floods ۲
- Expected damage from tropical cyclones •
- Decreased wind speed (wind assets only) ٠

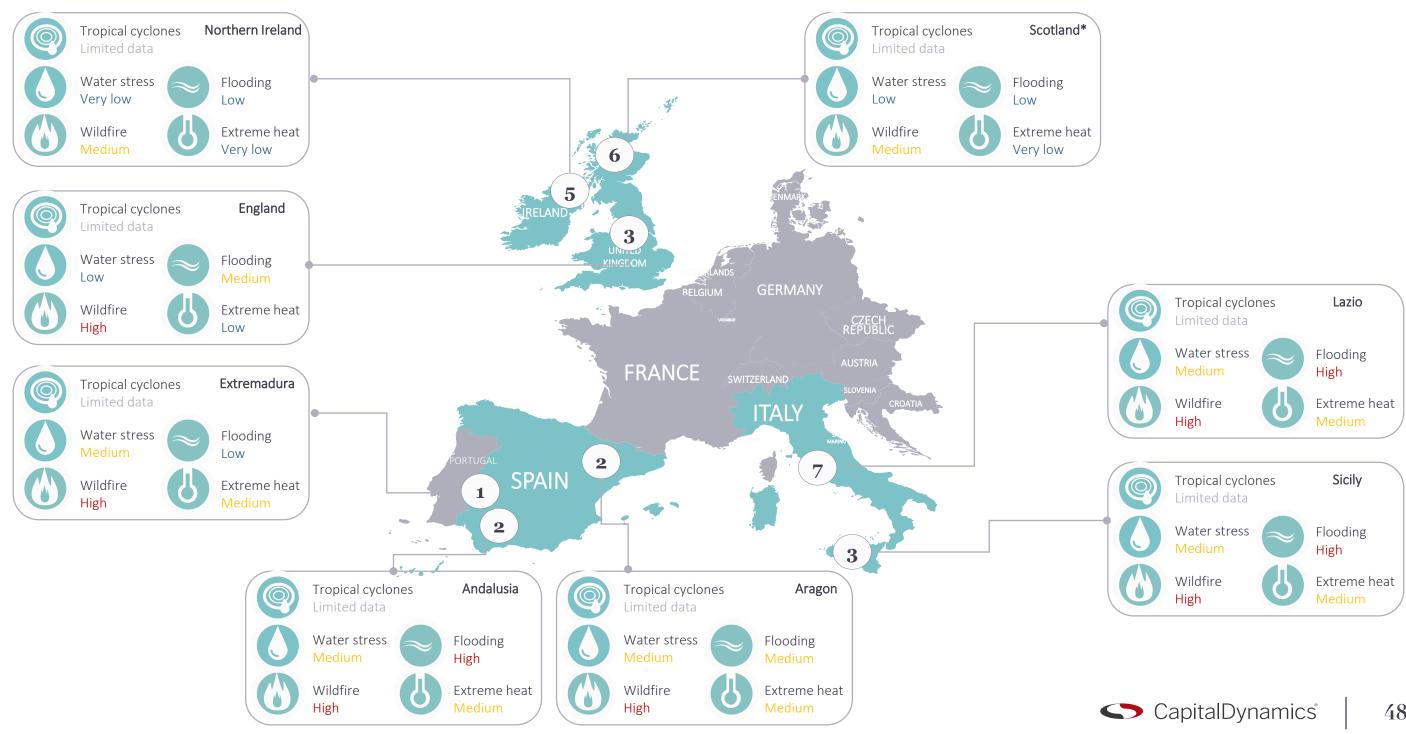


Impact of climate risks and opportunities on Clean Energy

The transition towards a low-carbon economy represents an attractive investment opportunity in solar and wind power assets and exhibits positive impacts on revenue potentials (i.e. strong financially material climate opportunity). Since the operation of renewable energy assets is associated with minimal carbon emissions and water consumption, the overall transition risks score is low. Nonetheless, Clean Energy investments are also exposed to a number of transition risks, such as technology risks (in regards to diversifying investments into other renewable power technologies such as hydrogen, which could result in sunk costs if investments made are unsuccessful), market risks (stemming from increased costs of critical raw materials used in the production of renewable energy modules), and reputational risks associated with stakeholder concern about the environmental impact of the construction phase of renewable energy projects, as well as the impact on labor conditions in the raw materials extraction and processing / modules manufacturing phases. As investors in real assets, our Clean Energy business is exposed to physical climate risks, which could cause damage to solar PV modules or wind turbines, leading to higher repair costs and insurance premiums in high risk locations. Extreme weather events and chronic physical climate risks (e.g. rising sea levels at coastal regions and chronic decreased wind speed) could represent a risk of early asset retirement. Overall, our European Clean Energy portfolio is well diversified in terms of geographic exposure to manage physical climate risks and does not operate in areas exposed to high and extreme levels of physical climate risks. Please refer to the next page for a map of physical climate risks relevant for our Clean Energy business in Europe, followed by an overview of the transition risks exposure.



Physical climate risk exposure



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* Assets Strathrory and Lairg II were acquired in 2023

Clean Energy – European portfolio

Transition risk exposure

Exposure to transition risks drivers

Financial impacts of transition risks

Policy & Litigation	 Carbon pricing policies / increased pricing of GHG emissions Increased reporting obligations on GHG emissions 	 Increased operating costs / costs associated with t projects and operational phase (e.g. energy used by activities) Increased operating costs associated with GHG emission
Technology	 Stranding new investments and / or unsuccessful investment in new technology (for example investments into renewable energy technology other than wind and solar) 	Sunk costs associated with unsuccessful investment
Market	 Increased costs of raw materials (e.g. critical raw materials required for the production of renewable energy modules) Failure to capture new market opportunities to invest in clean technologies (e.g. investments into renewable energy technology other than wind and solar, such as hydrogen) 	 Increased production costs of module manufacturers prices could be passed on to us as part of procurement Change in revenue mix and sources, resulting in decreate Reduced demand for existing services due to change in
Reputation	 Increased consumer concern about environmental practices (e.g. impacts on biodiversity, GHG emissions associated with construction phase of renewable energy projects) Shifts in consumer preferences (e.g. shifts towards renewable energy producers that reduce negative environmental and social impacts associated with the project lifecycle from materials sourcing and production, construction, operation and asset decommissioning) 	 Reduced revenue from decreased demand for services Reduced revenue from decreased production capacity Reduced revenue from negative impacts on workfo labor conditions in supply chain) Reduction in capital availability

the construction phase of our by assets (albeit low) and O&M

sions data and reporting

rs resulting from change in input ent reased revenue in consumer preferences

es ty force management (for example

Fund-level climate risks and opportunities – MMC I

Moderate

Transition risks score (aggregated):

Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
Moderate	Moderate	Moderate	Moderate	Moderate

Current physical climate risk drivers (aggregated): Medium

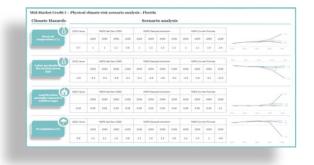


Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

- Mean air temperature ٠
- Labor productivity loss due to heat stress •
- Land fraction exposed to wildfires •
- Precipitation
- Expected damage from river floods •
- Expected damage from tropical cyclones •



Impact of climate risks and opportunities on MMC

Financially material impacts of climate change occur in regards to sector and geographic exposure, as certain industries, such as high emitting sectors, are faced with a variety of transition risks (e.g. regulation and legislation in jurisdictions with heightened carbon pricing policies and other environmental laws, and shifting consumer demands towards sustainable companies). Geographic location is the primary driver for physical climate risks, as certain locations are more highly exposed to acute and chronic climate risks (e.g. rising sea levels in coastal areas, loss of labor productivity in locations with extreme heat, and disruption to production processes and supply chains in geographies exposed to extreme weather events).

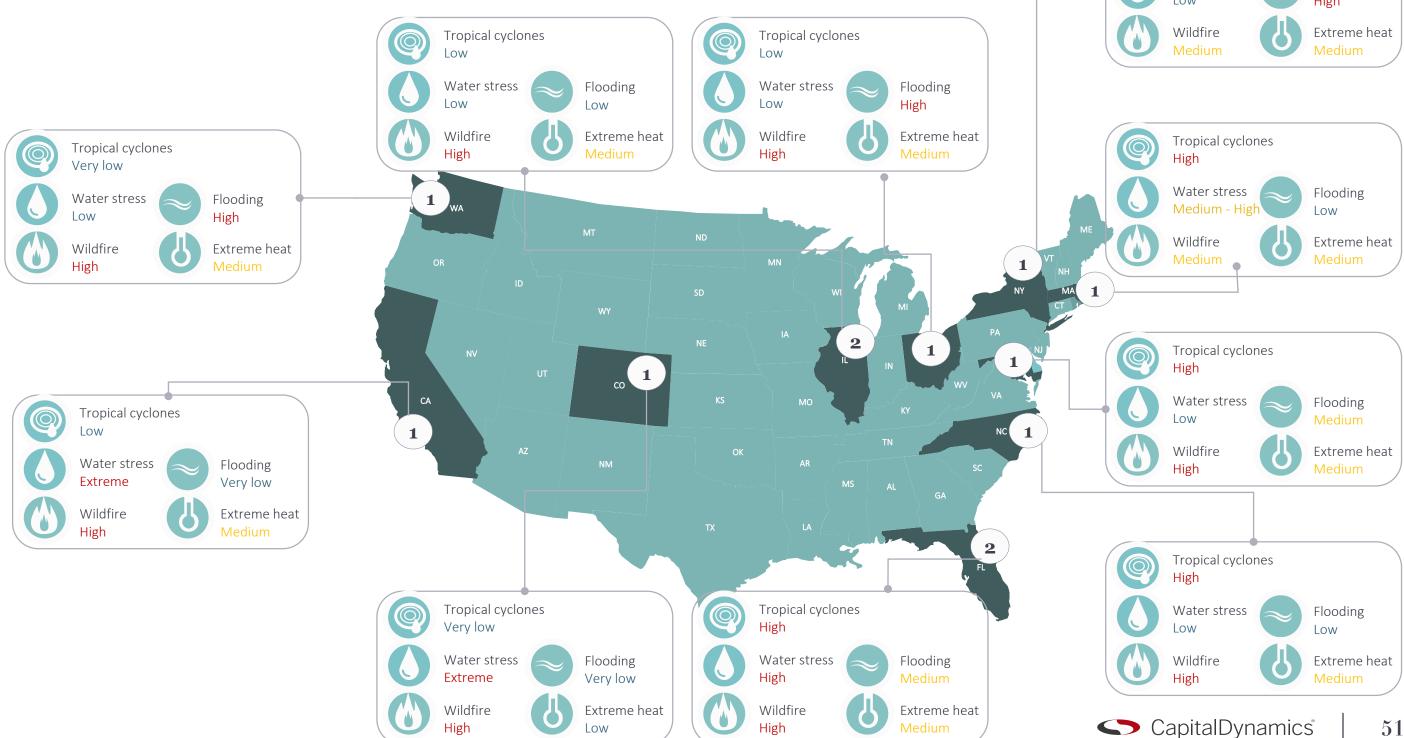
Climate transition and physical risks could impact a borrower company's ability to repay its debt. This is because climate risks can have a financially material impact on the borrower company's costs and revenues. Climate risk could then manifest itself financially by way of default, or by way of a change in credit quality. The latter could result in an increase in credit provisioning and therefore capital. By contrast, borrower companies that capture climate opportunity drivers can benefit from higher revenues and lower costs.

The fund concentrates its lending activities on companies traditionally operating in carbon-light industries in the U.S., which is a location with currently lower transition risks arising from carbon pricing schemes compared to other jurisdictions. Overall, the transition risks score is moderate due to the sector exposure to less carbon-intensive industries, and the aggregated physical climate risk score is medium. Please refer to the next page for a map of physical climate risks relevant for MMC I, followed by an overview of the transition risks exposure.



Mid-Market Credit I

Physical climate risk exposure



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Mid-Market Credit I

Transition risk exposure

	Exposure to transition risks drivers	Financial impacts of transition risks (impact borrower's ability to repay debt)
Policy & Litigation	 Increased reporting obligations on GHG emissions (e.g. proposed SEC rules on mandatory climate-related risks disclosures) Regulation of existing high emitting products and services 	 Increased operating costs
Technology	 Increased operating costs from high emitting technologies (for example, costs associated with combustion engine vehicles) Sunk costs to transition to low emitting technologies Substitution of existing products and services with lower emitting options 	 Write-offs and early retirement of existing high emittin Research and development ("R&D") expenditures in ne Capital investments in technology development Reduced revenue from decreased demand for high em Costs to adopt and / or deploy new practices and proce
Market	 Changing consumer behavior in favor of sustainable products Shift in consumer preferences for green products/ local produce/ low emitting options Increased costs of raw materials Shifts in financial and balance sheet asset valuations Failure to capture new market opportunities to invest in clean technologies 	 Reduced demand for goods and services due to shift in Increased production costs due to changing input price Abrupt and unexpected shifts in energy costs Change in revenue mix and sources, resulting in decrea Re-pricing of assets
Reputation	 Stigmatization of high emitting sectors Increased consumer concern about environmental practices Shifts in consumer preferences 	 Reduced revenue from decreased demand for good operating in high emitting sectors Reduced revenue from decreased production capace concerns on environmental performance Reduced revenue from decreased demand for smaller capital to implement mitigation measures in response to the concerns of the concerns of the capital to implement mitigation measures in response to the concerns of the concerns of the capital to concerns of the capital to

tting assets n new and alternative technologies

emitting products and services rocesses

ft in consumer preferences rices and output requirements

creased revenues

goods / services for companies

pacity as a result of stakeholder

aller businesses that have less free use to climate risks

Fund-level climate risks and opportunities – MMD V

Transition risks score (aggregated):

Moderately low

Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
Moderate	Moderate	Moderate	Moderately low	Moderately low

Current physical climate risk drivers (aggregated): Medium

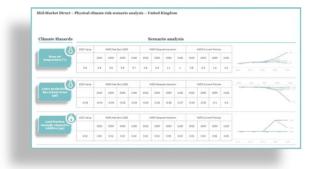


Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

- Mean air temperature ۰
- Labor productivity loss due to heat stress •
- Land fraction exposed to wildfires •
- Precipitation •
- Expected damage from river floods •
- Expected damage from tropical cyclones •



Impact of climate risks and opportunities on MMD

Financially material impacts of climate change occur in regards to sector and geographic exposure, as certain industries, such as high emitting sectors, are faced with a variety of transition risks (e.g. regulation and legislation in jurisdictions with heightened carbon pricing policies and other environmental laws, and shifting consumer demands towards sustainable companies). Geographic location is the primary driver for physical climate risks, as certain locations are more highly exposed to acute and chronic climate risks (e.g. rising sea levels in coastal areas, loss of labor productivity in locations with extreme heat, and disruption to production processes and supply chains in geographies exposed to extreme weather events). Transition and physical climate risks can therefore impact a portfolio company's prospective profitability and could lead to changes in equity valuations (through reduced revenues, early asset impairment and increased costs). The financial materiality of these risks are more severe for companies that have a business model incompatible with a low-carbon economy and are operating in locations with high physical risks. Mid-Market Direct V implements a broad diversification strategy both in terms of geographic and sector exposure and invests alongside GPs who themselves are committed to strong Responsible Investment principles, including the identification and management of climate-related risks. Where Capital Dynamics holds sufficient board seats or otherwise has the ability to influence portfolio companies, our team actively seeks to improve portfolio companies' Responsible Investment practices, including those pertaining to climate risks. For example, the team helps portfolio companies to manage their transition risks through the implementation of energy efficiency measures, waste reduction schemes and the procurement of renewable energy. Overall, the transition risks score is moderately low due to the strong sector exposure to less carbon-intensive industries and the aggregated physical climate risk score is medium. Please refer to the next page for a map of physical climate risks relevant for MMD V, followed by an overview of the transition risks exposure.



Physical climate risk exposure



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Mid-Market Direct V

Transition risk exposure

Exposure to transition risks drivers

Financial impacts of transition risks (impact portfolio company's equity valuation)

Policy & Litigation	 Carbon pricing policies / increased pricing of GHG emissions Increased reporting obligations on GHG emissions (e.g. proposed SEC rules on mandatory climate-related risks disclosures and EU Corporate Sustainability Reporting Directive "CSRD") Regulation of existing high emitting products and services Increased exposure to litigation / penalties 	 Increased operating costs Increased costs associated with GHG emissions reporting Write-offs, asset impairment and early retirement of existing assets due to policy changes Increased litigation costs and reduced demand for products and services resulting from fines and judgments
Technology	 Increased operating costs from high emitting technologies (for example, costs associated with combustion engine vehicles) Sunk costs to transition to low emitting technologies Substitution of existing products and services with lower emitting options 	 Write-offs and early retirement of existing high emitting assets Research and development ("R&D") expenditures in new and alternative technologies Capital investments in technology development Reduced revenue from decreased demand for high emitting products and services Costs to adopt and / or deploy new practices and processes
Market	 Changing consumer behavior in favor of sustainable products Shift in consumer preferences for green products / local produce/ low emitting options Increased costs of raw materials Shifts in financial and balance sheet asset valuations Failure to capture new market opportunities to invest in clean technologies 	 Reduced demand for goods and services due to shift in consumer preferences Increased production costs due to changing input prices and output requirements Abrupt and unexpected shifts in energy costs Change in revenue mix and sources, resulting in decreased revenues Re-pricing of assets
Reputation	 Stigmatization of high emitting sectors Increased consumer concern about environmental practices Shifts in consumer preferences 	 Reduced revenue from decreased demand for goods / services for companies operating in high emitting sectors Reduced revenue from decreased production capacity as a result of stakeholder concerns on environmental performance Reduced capital availability Reduced revenue from decreased demand for smaller businesses that have less free capital to implement mitigation measures in response to climate risks SapitalDynamics

Fund-level climate risks and opportunities – Future Essentials II

Transition risks score (aggregated):

Moderately low

Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
Moderately low	Moderate	Moderate	Moderately low	Moderately low

Current physical climate risk drivers (aggregated): Medium



Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

- Mean air temperature ۰
- Labor productivity loss due to heat stress •
- Land fraction exposed to wildfires •
- Precipitation
- Expected damage from river floods •
- Expected damage from tropical cyclones •



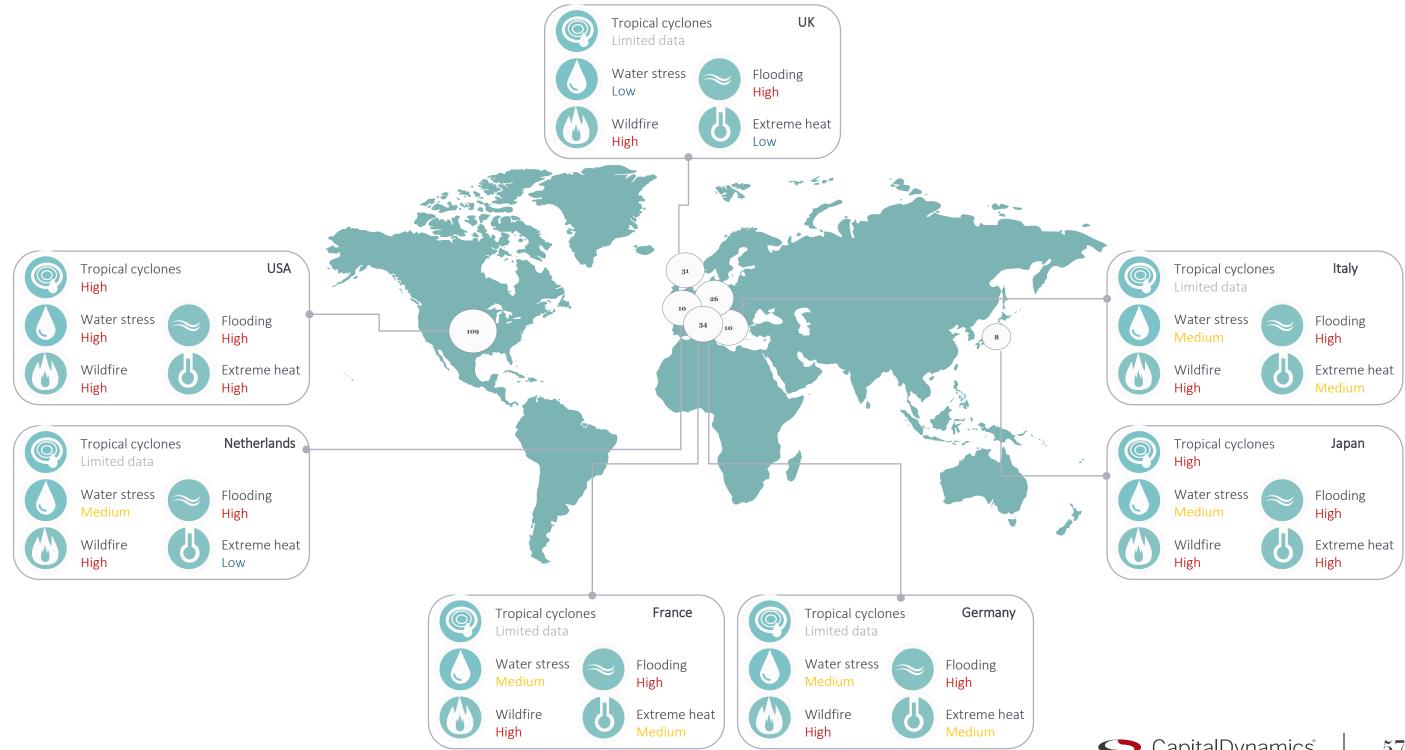
Impact of climate risks and opportunities on Future Essentials

Financially material impacts of climate change occur in regards to sector and geographic exposure, as certain industries, such as high emitting sectors, are faced with a variety of transition risks (e.g. regulation and legislation in jurisdictions with heightened carbon pricing policies and other environmental laws, and shifting consumer demands towards sustainable companies). Geographic location is the primary driver for physical climate risks, as certain locations are more highly exposed to acute and chronic climate risks (e.g. rising sea levels in coastal areas, loss of labor productivity in locations with extreme heat, and disruption to production processes and supply chains in geographies exposed to extreme weather events). Transition and physical climate risks can therefore impact a portfolio company's prospective profitability and could lead to changes in equity valuations (through reduced revenues, early asset impairment and increased costs). The financial materiality of these risks are more severe for companies that have a business model incompatible with a low-carbon economy and are operating in locations with high physical risks.

Future Essentials implements a broad diversification strategy both in terms of geographic and sector exposure and invests with managers who themselves are committed to strong Responsible Investment principles, including the identification and management of climate-related risks. Overall, the transition risks score is moderately low due to the strong sector exposure to less carbon-intensive industries, although the fund also has exposure to geographies subject to carbon pricing and other environmental policies. The aggregated physical climate risk score is medium. The physical climate risks vary substantially by region and climate hazard and our detailed physical climate risk scenario analysis concentrates on the regions in which at least 8 underlying portfolio companies are headquartered (as of Q3 2022). Please refer to the next page for a map of physical climate risks relevant for Future Essentials II, followed by an overview of the transition risks exposure.



Physical climate risk exposure*



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Future Essentials II

Transition risk exposure

Exposure to transition risks drivers

Financial impacts of transition risks (*impact portfolio company's equity valuation*)

Policy & Litigation	 Carbon pricing policies / increased pricing of GHG emissions Increased reporting obligations on GHG emissions (e.g. proposed SEC rules on mandatory climate-related risks disclosures and EU Corporate Sustainability Reporting Directive "CSRD") Regulation of existing high emitting products and services Increased exposure to litigation / penalties 	 Increased operating costs Increased costs associated with GHG emissions reporti Write-offs, asset impairment and early retirement o changes Increased litigation costs and reduced demand for p from fines and judgments
Technology	 Increased operating costs from high emitting technologies (for example, costs associated with combustion engine vehicles) Sunk costs to transition to low emitting technologies Stranding new investments and / or unsuccessful investment in new technology Substitution of existing products and services with lower emitting options 	 Write-offs and early retirement of existing high emittin Research and development ("R&D") expenditures in ne Capital investments in technology development Reduced revenue from decreased demand for high em Costs to adopt and / or deploy new practices and proce
Market	 Changing consumer behavior in favor of sustainable products Shift in consumer preferences for green products / local produce/ low emitting options Increased costs of raw materials Shifts in financial and balance sheet asset valuations Failure to capture new market opportunities to invest in clean technologies 	 Reduced demand for goods and services due to shift in Increased production costs due to changing input price Abrupt and unexpected shifts in energy costs Change in revenue mix and sources, resulting in decreated Re-pricing of assets
Reputation	 Stigmatization of high emitting sectors Increased consumer concern about environmental practices Shifts in consumer preferences 	 Reduced revenue from decreased demand for good operating in high emitting sectors Reduced revenue from decreased production capacity concerns on environmental performance Reduced capital availability

CapitalDynamics 58

pacity as a result of stakeholder

goods / services for companies

creased revenues

ft in consumer preferences rices and output requirements

emitting products and services rocesses

tting assets n new and alternative technologies

or products and services resulting

orting It of existing assets due to policy

Fund-level climate risks and opportunities – Global Secondaries V

Transition risks score (aggregated):

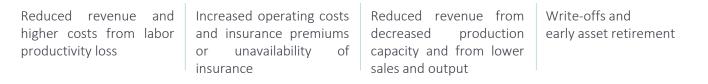
Moderately low

Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
Moderate	Moderate	Moderate	Moderately low	Moderately low

Current physical climate risk drivers (aggregated): Medium



Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

- Mean air temperature ۰
- Labor productivity loss due to heat stress •
- Land fraction exposed to wildfires •
- Precipitation
- Expected damage from river floods •
- Expected damage from tropical cyclones •



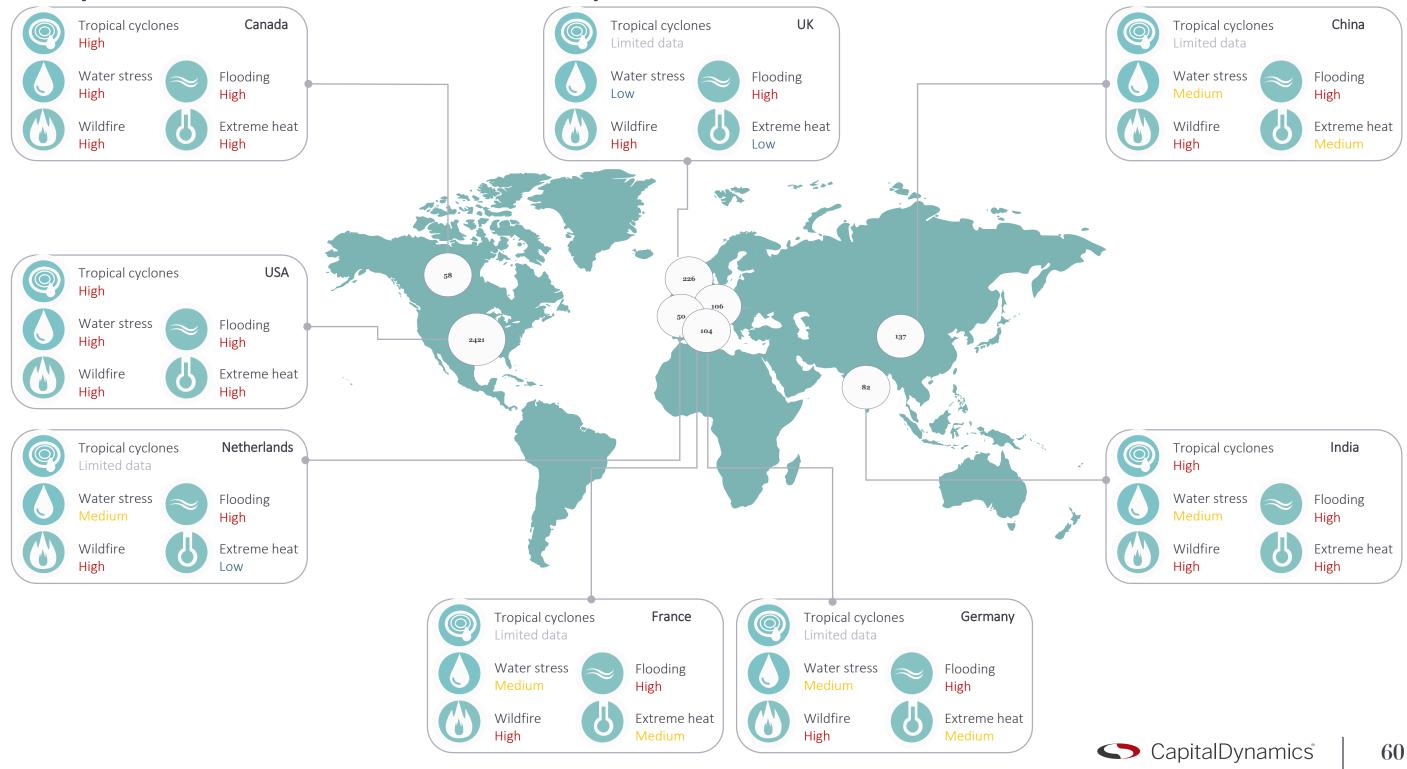
Impact of climate risks and opportunities on GSEC

Financially material impacts of climate change occur in regards to sector and geographic exposure, as certain industries, such as high emitting sectors, are faced with a variety of transition risks (e.g. regulation and legislation in jurisdictions with heightened carbon pricing policies and other environmental laws, and shifting consumer demands towards sustainable companies). Geographic location is the primary driver for physical climate risks, as certain locations are more highly exposed to acute and chronic climate risks (e.g. rising sea levels in coastal areas, loss of labor productivity in locations with extreme heat, and disruption to production processes and supply chains in geographies exposed to extreme weather events). Transition and physical climate risks can therefore impact a portfolio company's prospective profitability and could lead to changes in equity valuations (through reduced revenues, early asset impairment and increased costs). The financial materiality of these risks are more severe for companies that have a business model incompatible with a low-carbon economy and are operating in locations with high physical risks.

Global Secondaries V implements a broad diversification strategy both in terms of geographic and sector exposure and invests with managers who themselves are committed to strong Responsible Investment principles, including the identification and management of climate-related risks. Overall, the transition risks score is moderately low due to the strong sector exposure to less carbon-intensive industries, although the fund also has exposure to geographies subject to carbon pricing and other environmental policies. The aggregated physical climate risk score is medium. The physical climate risks vary substantially by region and climate hazard and our detailed physical climate risk scenario analysis concentrates on the regions in which at least 50 underlying portfolio companies are headquartered (as of Q3 2022). Please refer to the next page for a map of physical climate risks relevant for GSEC V, followed by an overview of the transition risks exposure.



Physical climate risk exposure*



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Global Secondaries V

Transition risk exposure

Exposure to transition risks drivers

Financial impacts of transition risks (*impact portfolio company's equity valuation*)

Policy & Litigation	 Carbon pricing policies / increased pricing of GHG emissions Increased reporting obligations on GHG emissions (e.g. proposed SEC rules on mandatory climate-related risks disclosures and EU Corporate Sustainability Reporting Directive "CSRD") Regulation of existing high emitting products and services Increased exposure to litigation / penalties 	 Increased operating costs Increased costs associated with GHG emissions report Write-offs, asset impairment and early retirement of changes Increased litigation costs and reduced demand for from fines and judgments
Technology	 Increased operating costs from high emitting technologies (for example, costs associated with combustion engine vehicles) Sunk costs to transition to low emitting technologies Stranding new investments and / or unsuccessful investment in new tech Substitution of existing products and services with lower emitting options 	 Write-offs and early retirement of existing high emitting Research and development ("R&D") expenditures in no Capital investments in technology development Reduced revenue from decreased demand for high em Costs to adopt and / or deploy new practices and procession
Market	 Changing consumer behavior in favor of sustainable products Shift in consumer preferences for green products/ local produce/ low emitting options Increased costs of raw materials Shifts in financial and balance sheet asset valuations Failure to capture new market opportunities to invest in clean technologies 	 Reduced demand for goods and services due to shift in Increased production costs due to changing input price Abrupt and unexpected shifts in energy costs Change in revenue mix and sources, resulting in decre Re-pricing of assets; as carbon-intensive businesses b investment managers in the Secondaries market wil risks in the pricing
Reputation	 Stigmatization of high emitting sectors Increased consumer concern about environmental practices Shifts in consumer preferences 	 Reduced revenue from decreased demand for go operating in high emitting sectors Reduced revenue from decreased production capa concerns on environmental performance Reduced capital availability

CapitalDynamics 61

pacity as a result of stakeholder

goods / services for companies

creased revenues s become increasingly out of favor, will need to factor in the climate

ft in consumer preferences rices and output requirements

emitting products and services rocesses

tting assets n new and alternative technologies

or products and services resulting

orting It of existing assets due to policy

Climate risks and opportunities – Capital Dynamics operations

Low

Transition risks score (aggregated):

Moderately low

Direct emissions costs	Indirect emissions costs	Low-carbon CapEx	Revenue	Overall
Low	Moderately low	Moderately low	Moderate	Moderately low

Current physical climate risk drivers (aggregated):



Financial impacts of physical climate risks include:



Click on the image to view the physical climate risk assessment across the time horizons 2020, 2025, 2030, 2050 and 2100 for the NGFS scenarios (Net zero 2050, Delayed transition, Current Policies) for the following climate hazards:

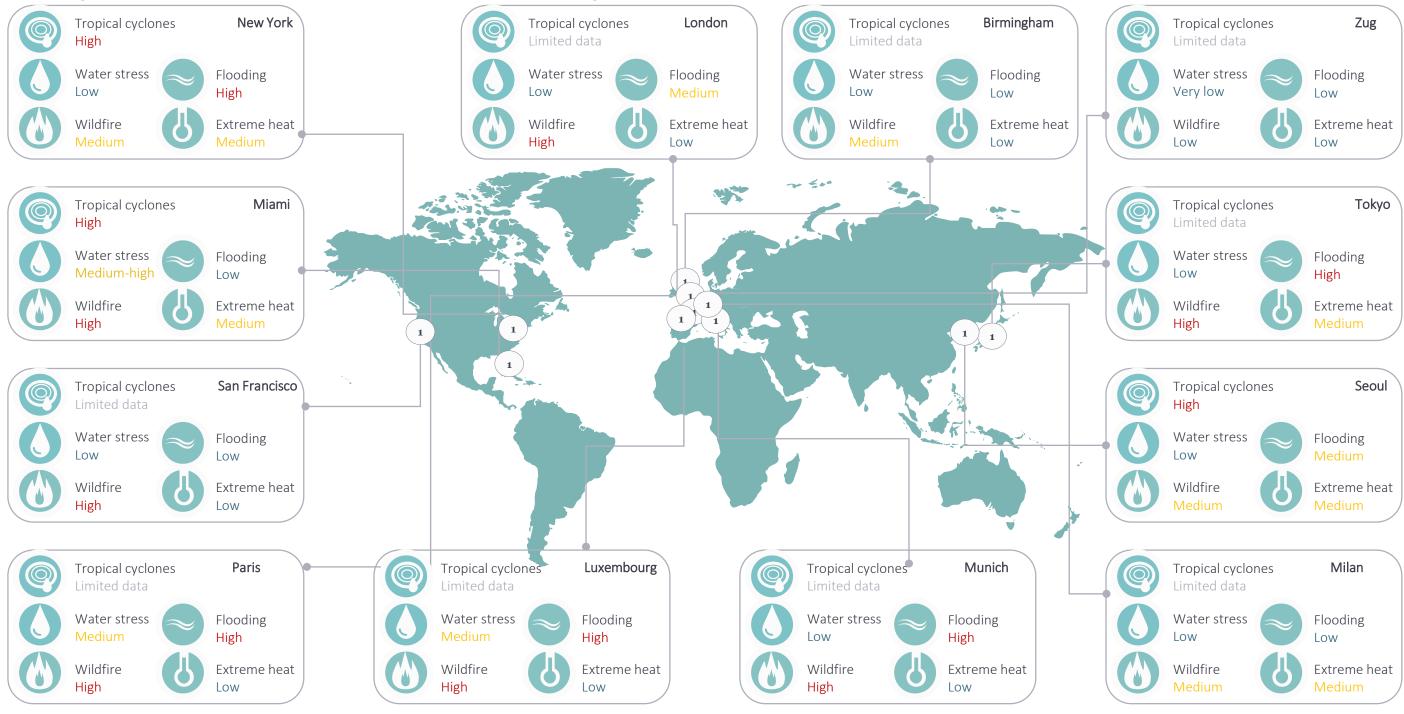
- Mean air temperature
- Labor productivity loss due to heat stress
- Land fraction exposed to wildfires
- Precipitation
- Expected damage from river floods
- Expected damage from tropical cyclones

Climate Hazards							Scena	rio ar	alysis					
	300 1914		14225.000	Davy 2014			NIFS Delay	nd transition			NUTLOW	wit Pylicie		
Manuale temperature (1)		3025	3130	2014	2100	2020	200	300	2389	3035	2081	2050	2100	
_	3	1.8	3.8	14	13	3.3	- 14	3.9	13	53	14	3	34	
6	3000 Value		1625.94	Dero 3050			1075.04%	nd 9-10-10			NUSCH	ert Policie		
Land part of the second		3125	2030	2010	2100	3625	3030	2050	3100	2625	2130	3154	2100	
-	-63	-0.2	6.2	-0.2	-0.3	-6.2	-03	43	-0.3	0.2	-0.1	-03	-1.4	
Land Durlins	2000 Value		14275784	Ders 3050			NGPS Delay	ed thereis			NUSSicur	ert Policie		
withfree (pg)		355	3181	2051	2100	305	200	3050	2100	3125	2101	2010	310	
-								0.01	0.01			0.01	0.04	

Impact of climate risks and opportunities on Capital Dynamics

As an asset manager, our exposure to financially material climate risks and opportunities mainly stems from our investment activity, whereby the sector and geographic exposure of our underlying investee companies translates into possible risks and opportunities for us. Our diversified sector exposure generally favors companies operating in comparatively less carbon-intensive sectors. Moreover, we actively seek to improve our portfolio companies' transition risk management processes to build a pipeline of companies that have viable business models in place, as we transition towards a lower carbon economy. Further, our own operational carbon footprint is relatively low and so overall the transition risks score for Capital Dynamics operations is moderately low. Our broadly diversified geographic footprint means that our firm is exposed to a variety of physical climate risks, although in aggregate our physical climate risk score for our operations is low. We manage these through our business continuity management and flexible work arrangements that allow our employees to perform their duties remotely, if unexpected disruptions occur. Please refer to the next page for a map of physical climate risks relevant for Capital Dynamics' operations, followed by an overview of the transition risks exposure.

Physical climate risk exposure



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Capital Dynamics Operations

Transition risk exposure

Exposure to transition risks drivers

Financial impacts of transition risks (impact revenues and costs of Capital Dynamics' operations)

Policy & Litigation	• •	Carbon pricing policies / increased pricing of GHG emissions Increased reporting obligations on GHG emissions Increased exposure to litigation / penalties (e.g. regulatory risk associated with sustainable finance regulation)	•	Increased operating costs Increased costs associated with GHG emissions report Increased litigation costs and reduced demand for p from fines and judgments (e.g. fines in relation to sust
Technology	•	Stranding new investments and / or unsuccessful investment in new tech	•	Sunk costs associated with unsuccessful investment
Market	•	Changing consumer behavior in favor of sustainable finance products Shift in consumer preferences for sustainable investments Shifts in financial and balance sheet asset valuations Failure to capture new market opportunities to invest in clean technologies and sustainable companies	٠	Reduced demand for financial product offerings due to Change in revenue mix and sources, resulting in dec products with less focus on sustainable investments Re-pricing of assets
Reputation	:	Increased consumer concern about environmental practices Shifts in consumer preferences		Reduced revenue from financial products with less other sustainability goals

ing products and services resulting tainable finance regulations)

to shift in consumer preferences creased revenues from financial

focus on decarbonization and

Climate scenario analysis result

The climate scenario analysis helps us identify and assess our investment holdings' exposure to financially material physical and transition risks and climate opportunities under three different scenarios. The outputs of the assessment inform us about which sectors are most exposed to certain risks and opportunities, which in turn feeds back into the continuous enhancement of our Responsible Investment approach and reporting capabilities. We regularly engage with our portfolio companies on sustainability improvement measures that have a financially material impact on our investments. We also use the results of the climate scenario analysis in our own business continuity planning, business strategy, product strategy and financial planning.

Most importantly, however, the scenario analysis provides us valuable insights into how resilient our firm is and how we best mitigate and adapt climate risks and capture attractive climate opportunities during the transition to a more sustainable future. Please refer to the section 'resilience of Capital Dynamics' strategy' for more details.



Embedding climate risks and opportunities into our business strategy and financial planning

At Capital Dynamics, sustainability is a core part of our strategy and firmly integrated into our Responsible Investment approach across our investment strategies and in our Corporate Social Responsibility initiatives. We consider the impact of climate-related risks and opportunities on our firm's business lines, the strategy and financial planning. In addition, our business planning process assesses the need for business model changes in response to financially material climate matters, where appropriate.

Bryn Gostin, Chief Product & Strategy Officer and Co-Chair of Responsible Investment leads Capital Dynamics' product strategy that addresses climate-related risks and opportunities. The scenario analyses performed in our 2021 and 2022 TCFD reports form a basis to assess and understand the extent to which our investment strategies are exposed to climaterelated risks and opportunities and as such form a core part in financial planning across our funds.

Forecasted assets under management ("AUM") are considered in our revenue assumptions (usually for a 5-year period) and include the impact of client demand shifts towards sustainable financial product options. An example of financial planning made with consideration of climate-related risks and opportunities is the broadening of our funds range which disclose sustainability information under SFDR Article 8 and Article 9. We consider this part of our adaptation strategy to address climate-related transition risks, in particular in response to market demand shifts and reputational risks.

Climate-related opportunities are financially material for us across all investment strategies, the most material being our Clean Energy business line (as demonstrated by the orderly and disorderly transition scenario analysis). The revenue forecasts assess the likely impact of climate-related opportunities, such as those arising from shifts in energy source and market shifts towards increased financing of renewable energy projects.

An example of capitalizing on financially material climate opportunities is therefore the continuous expansion of our Clean Energy fund offerings and integration of core environmental sustainability aspects in our new Clean Energy funds, including the alignment with the EU Taxonomy criteria and setting net zero targets at the fund level.

Our increased offering of funds that firmly incorporate sustainability enables us to direct more capital in support of the transition to a lower carbon economy, whilst increasing

revenues for Capital Dynamics. A further mitigation action resulting from climate-related risks consideration is the sector exposure in our investment universe. Capital Dynamics has limited exposure to more traditional carbon-intensive energy investments and generally takes a skeptical view with respect to this kind of exposure. Further, Capital Dynamics' Private Equity Co-Investment team seeks to utilize its influence over portfolio companies to enhance Sustainability performance, including measuring GHG emissions, setting emission reduction targets and tracking progress towards the targets to mitigate financially material climate risks. Capital Dynamics utilizes these adaptation and mitigation steps in the investment research and development process to reduce risks for our clients and enhance long-term risk-adjusted returns, thereby creating value for our clients over time.

Across our own operations, we also consider financially material climate-related matters. For example, our Chief Operations Officer leads the firm's operational financial planning, and in this role is focused on reducing unnecessary business travel, procuring renewable energy at our office sites and offsetting our operational carbon footprint to reduce our climate impact. Financial planning also includes sustainability initiatives aimed at reducing the climate-related risks faced in our operations as identified in our scenario analysis, and capturing financially material opportunities. These include the measurement of our operational carbon footprint, resource planning for our dedicated Responsible Investment team in support of enhanced reporting of climate-related matters, and opportunities for our workforce to participate in Corporate Social Responsibility projects. Examples of business model changes in consideration of climaterelated impacts include the expansion of working from home options for our own employees that allows our firm to remain operational and resilient in light of disruptions, such as the disruption caused by Hurricane Ian in Florida in 2022. The remote working scheme also reduces carbon emissions arising from employee commuting. Our resilience considerations as part of our business planning processes ensure we lower our costs that otherwise would be incurred and we continue to serve our client base without interruption.



CapitalDynamics

66

GHG reduction commitments in our Clean Energy funds

At Capital Dynamics, we are strongly committed to supporting the expansion of clean energy in Europe and doing our part to reduce greenhouse gas emissions associated with our investments. The majority of project lifecycle emissions of a typical renewable energy project occur during the manufacturing and construction process, whereas operational GHG emissions account for a small portion as part of the electricity transmission process.

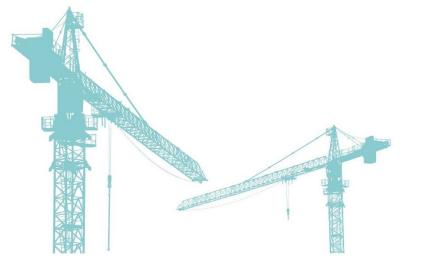
Carbon reduction targets - construction

- Measurement of construction emissions at project level (excl. manufacturing of materials and transport to site)
- Reduction of construction emissions of carbon emitting activities (e.g. through solar powered temporary offices, use of electric vehicles for worker transportation and waste reduction)

Offsetting carbon emissions with verified carbon removal project



2



In our new clean energy funds, we are committed to taking action to reduce project lifecycle emissions from the construction process and operations. Our commitment is to reduce or offset emissions for all clean energy projects in the fund in line with net zero targets, from the construction date through the exit of that project, based on the actual emissions for each investment or, where such data is not available, the average emissions intensity of all such investments.

Carbon reduction targets - operations

- Measurement of operational emissions (e.g. electricity used onsite, waste generation)
- Reduction of operational carbon emissions: reduce own energy usage of investments and increase procurement of renewable energy at asset level (e.g. through REGOs or Guarantees of Origin)



2

Offsetting carbon emissions with verified carbon removal project









GHG reductions in our own operations

In early 2022, we undertook a firm-wide employee commuting survey to better understand the commuting habits of our staff. We asked employees about their commuting distance, frequency and choice of transport mode in 2019 and 2021.

Due to the COVID-19 pandemic and the resulting prolonged period of working from home in 2020, we were interested in understanding our employees' commuting habits prior to the pandemic as a baseline, and the impact our hybrid working model from 2021 had on these commuting patterns.

Not only did the survey reveal the effectiveness of our hybrid working model on reducing emissions from employee commuting; it also helped us identify ways in which we can incentivize employees to make environmentally-conscious choices when commuting to work.

Utilizing the data, we have measured our operational carbon footprint (scope 1, scope 3 and scope 3, excluding category 15 'investments') and identified our main carbon hotspots arising from electricity consumption, business flights and employee commuting. Our energy consumption across our offices was responsible for 50 tCO2e emissions in 2021, as measured by the location-based method in line with the Greenhouse Gas Protocol. Each year, we offset our emissions from electricity consumption with the purchase of "REGOs" (Renewable Energy Guarantees of Origin). In 2022, Capital Dynamics has offset the remainder of the operational carbon emissions arising from employee commuting and business flights (521.5 tCO2e) with a verified carbon removal project Rimba Raya.

We are also committed to make a positive impact on the environment through our supplier selection. In 2022, we partnered with "A Good Company" for the purchase of climate-positive notebooks. Each product sold not only made a positive contribution to the environment, but our order also enabled donations to charity: water (charitywater.org) and has generated 20,000 liters of water to communities.

At Capital Dynamics we have a responsibility to reduce our own impact on the environment and support local communities most affected by climate change. A fundamental component of contributing towards environmental sustainability is to offset our firm's carbon footprint with a verified carbon removal project. In summer 2022, we conducted a firm-wide vote and asked our employees which carbon removal project we should support to remove the equivalent amount of carbon emissions we have emitted as part of our operations.

An overwhelming majority voted for the forest protection project Rimba Raya in Indonesia. With our contributions to the project, we offset all of our operational carbon emissions from 2021, making us a carbon neutral firm.

Further, our project support helped protect biodiversity in the Rimba Raya region and funded local community development and provincial government infrastructure.

What is carbon neutrality?

Carbon neutrality means that the carbon footprint of a company has been calculated in line with internationally recognized standards and was fully offset with a verified carbon offset project. Capital Dynamics has offset its 2021 operational carbon footprint from its energy consumption, employee commuting and business flights through REGOs and Rimba Raya. Our actions helped us achieve carbon neutrality at the firm level.

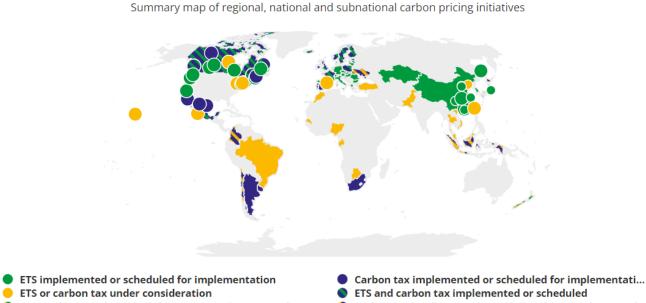




Resilience of Capital Dynamics' strategy

The result of our scenario analysis under the orderly transition, disorderly transition and hot house world scenarios reveals our investment strategies' strong resilience against climate-related risks over different time horizons.

Our investment strategies in Private Equity and Private Credit are most exposed to transition risks associated with carbon pricing policies in the medium-term (7-15 years) in jurisdictions that have implemented respective policies or are currently considering such policies. The exposure of this risk is largely concentrated on European jurisdictions, as the majority of our US investments do not face the risk of carbon pricing policy implementation yet as of today. However, with our well-diversified investment portfolio,



ETS implemented or scheduled, ETS or carbon tax under ...

Carbon tax implemented or scheduled, ETS under consid...

Source: The World Bank Carbon Pricing Dashboard database, available at: Carbon Pricing Dashboard | Up-to-date overview of carbon pricing initiatives (worldbank.org)

in terms of both sector and geographic exposure, we are able to mitigate the risk associated with intensified carbon pricing schemes. Further, at Capital Dynamics we do not invest in or lend to traditionally carbon-intensive businesses, such as businesses involved in the exploration of fossil fuels. This allows our firm to reduce transition risks to generate enhanced long-term returns for our clients. Another prominent climate-related risk we identified across our sector exposures is related to shifts in market demand towards more sustainable companies and the reputational risks associated with firms failing to address climate matters. The integration of Responsible Investment factors, including those pertaining to climate-related risks and opportunities, is core to our due diligence and investment monitoring processes and forms a fundamental part of our Co-Investment team's mandate to influence sustainability improvements at the portfolio company level. The team seeks to utilize its influence over portfolio companies to enhance sustainability performance, including measuring GHG emissions, setting emission reduction targets and tracking progress towards the targets to mitigate environmental and financial risks, making the portfolio companies more resilient in the transition to a low-carbon economy. Many of our portfolio companies are already implementing sustainability measures, such as on-site waste reduction initiatives that help address potential climate-related transition risks. We also invest in companies that already today capture financially material climaterelated opportunities, such as offering green products (e.g. sustainable packaging) and switching energy sources to renewable energy (e.g. on-site solar PV installation). In our Private Equity Fund-of-Funds business we mitigate climate-related risks as part of our manager selection process. We incorporate Responsible Investment factors, including climate-related matters, holistically in our due diligence and monitoring processes and select managers who themselves are committed to enhancing portfolio companies' resilience and profitability in a sustainable economy. Physical climate hazard exposure (in particular the intensified chronic and acute climate



risks in the hot house world scenario) are likely to affect our investment strategies in the long-run (2050 and 2100).

One of the main mitigants of these risks is the geographic footprint we take with our investments, as our investment universe spans from the U.S. to Europe and Asia. Overall, given we own a number of businesses across strategies, geographies and industries, our climate risks in many ways map closely to broader considerations for middle-sized businesses across the private market.

Finally, our strategies are comparatively resilient to climate-related risks and opportunities, as we take a forward-looking approach in our investment platform offerings in support of a transition to a lower-carbon economy. We established our Clean Energy business in 2010 and since then have continuously expanded our successive fund offerings.

The scenario analysis we performed in our 2021 and 2022 TCFD reports demonstrate a substantial financially material climate opportunity associated with our Clean Energy strategy, driven by the mitigation and adaptation needs of companies operating in the real economy to address climate risks, and driven by the immense market opportunity for new investments in clean energy projects, including the opportunity to diversify among renewable energy technologies. The steep increase in client demand for net zero fund offerings has also led us to address such needs in our new Clean Energy funds, which seek to achieve a minimum of 50% EU Taxonomy alignment* and set net zero targets aimed at reducing or offsetting emissions associated with the construction and operational phases of our clean energy assets.

We therefore feel confident that our approach to climate-related risks and opportunities across our investment platform results in strong resilience in support of a transition to a low-carbon economy that enhances long-term risk-adjusted returns for our clients.

Risk Management

3



Approach for identifying and assessing climate-related risks

Capital Dynamics conducts rigorous Responsible Investment screening throughout the entire investment process and assesses our long-term portfolio alignment utilizing a range of resources and tools. The processes described below encompass the consideration of climate-related risks and opportunities, as well as broader RI factors, which are firmly integrated into our organization's Risk Management processes and are applied to each of our investment strategies:

Pre-acquisition / Due Diligence

During the due diligence phase, RI matters including climate-related risks and opportunities are identified and assessed through the following processes and tools:



Proprietary R-Eye[™] Scorecard (Investment Management)



RepRisk screening of RI-related risks (Risk Management)



RI Alert Process (Responsible Investment Committee)

Hold period / Post hold period

Risks arising during the hold period or in the period post planned divestment (if a risk affects the exit multiple) are assessed and monitored as follows:



Proprietary R-EyeTM Scorecard (Investment Management)



RepRisk monitoring of RI-related risks (Risk Management and Co-Chair Responsible *Investment*)



RI Alert Process (Responsible Investment Committee)



Climate scenario analysis (Co-Chairs Responsible presentations to the Board)

Investment.

Long-term portfolio alignment

We assess long-term climate risks under a range of scenarios to determine how transition risks impact us and how our investment solutions support the transition to a low-carbon economy



Climate scenario analysis Responsible (Co-Chairs presentations to the Board)

Investment,



Our proprietary R-EyeTM Rating System, based on the United Nations Sustainable Development Goals, was adopted across the entire investment platform to ensure a consistent and transparent approach to Responsible Investment due diligence. Each investment made by Capital Dynamics, regardless of strategy, is rated on a 0 to 5 scale on our trademarked R-Eye Scorecard with 10-12 criteria at the time of investment, which are re-assessed annually thereafter as part of our active monitoring.

If Responsible Investment issues, including financially material climate risks are identified during the holding period, Capital Dynamics' RI Alert process is triggered (see below). The Investment Management team reviews RI metrics and reports them to the Responsible Investment Committee for governance, advice and recommendation.

The output of our R-Eye assessment forms a core part of our engagement strategy with our portfolio companies, GPs and Sponsors. We utilize the scoring to understand improvement potentials and conduct targeted engagement to understand potential mitigation and adaptation actions.

RepRisk RepRisk

RepRisk is an artificial technology-enabled platform that analyzes public information and identifies material RI risks with its flagship product, the RepRisk ESG Risk Platform, covering 205,000+ public and private companies and 55,000+ infrastructure projects. It provides software which screens over 500,000 documents daily in the media for Responsible Investment matters, including those pertaining to climate risk. We utilize RepRisk during the due diligence phase to collect ESG related information about companies/ funds or major supply chain providers. After an investment has been made, we use RepRisk to monitor our investments.

The Risk Management team has created watchlists for funds to monitor third parties and their supply chains. Each week, Philippe Jost, Head of Risk Management, and Verena Rossolatos, Co-Chair of the Responsible Investment Committee, review RI alerts received and flag material RI risks for further evaluation. The alerts are compiled in a weekly summary and sent to the respective Investment Management teams or to the Operations teams for alerts related to Capital Dynamics supply chain providers. Capital Dynamics' Investment Management memos contain a summary of the major metrics followed by a brief summary of the incidents with high or very high risk.

RI Alert Process



Climate scenario analysis



As detailed in the strategy section of this report, the Co-Chairs of Responsible Investment utilize climate scenario analysis to identify and assess financially material climate-related risks and opportunities impacting our investment strategies and our firm. The findings of the analysis form part of the quarterly presentation to the EC and are integrated in our assessment of long-term portfolio alignment, business strategy, and financial planning.

Monitoring of regulatory developments

In addition to the above-mentioned risk management processes and tools, Capital Dynamics takes a proactive approach in monitoring regulatory developments pertaining to climate change that impact us as an asset manager (for example Sustainable Finance regulations in the EU and UK), represent attractive long-term investment opportunities for our clients (for example the U.S. Inflation Reduction Act, EU Green Deal and UK Net Zero targets) and could have an impact on our portfolio companies (for example the proposed SEC rules on mandatory climate-related disclosures). Our Co-Chairs of Responsible Investment are actively monitoring and assessing the regulatory considerations and manage the implementation of sustainable finance regulations at our firm. We also take the opportunity to be an active voice in the development of upcoming regulations by regularly participating in industry consultations.



Our support for the SEC's proposed rules on climate-related disclosures for investors

In 2022, Capital Dynamics submitted commentary to the SEC expressing strong support for proposed rules regarding the enhancement and standardization of climate-related disclosures for investors.

The commentary outlines, among other things, our beliefs that:



Investment managers should disclose climate-related risks and opportunities to investors in a succinct, clear and non-misleading form

Climate-related risks and opportunities are decision-useful information for investors to assess the financial risk and return potential of an underlying business. Transparent disclosures of climate-related risks have the potential to promote greater stability of the financial markets

This commentary on climate-related disclosures aligns with our longstanding support of the TCFD disclosure framework and builds upon Capital Dynamics' numerous RI milestones in 2022. It also underpins our belief that investment managers and financial market regulators have a key role to play to scale sustainable investments and protect the stability of financial markets.

Find out more about our submitted commentary on the proposed SEC rules on climaterelated disclosures at:

https://www.sec.gov/comments/s7-10-22/s71022-298787.htm



Engagement on climate change

Engagement with our portfolio companies and industry peer groups is a cornerstone of our risk management processes relating to climate matters. We encourage our portfolio companies to disclose climate-related data, such as GHG emissions metrics, climate risk adaptation and mitigation actions taken or planned to be taken, whether the portfolio company has transition plans in place in line with the 1.5°C temperature goal, and whether the company discloses its climate-related financial risks and opportunities in line with the TCFD framework. Improving the availability of climate-related data helps us to better identify and assess climate-related risks and opportunities in our investment portfolio, as well as provide our clients with better and more transparent reporting.

In addition to engaging with policy makers on regulatory developments, Capital Dynamics is also a member of key associations that support the transition towards a low-carbon economy, as detailed below. Our engagement with these industry groups are an important part of our climate change risk management process.



We were early adopters of the Principles for Responsible Investment ("PRI"), signing on in 2008. In the most recent (2021) assessment, we received 5-Star ratings for Investment & Stewardship Policy, Private Debt and Clean Energy.



As a member of IIGCC, Capital Dynamics signed a letter calling upon the leaders of the European Union to include provisions related to a sustainable future, such as green technologies and Clean Energy, in stimulus packages helping European Union nation states in their recovery from the global pandemic. Capital Dynamics is also a co-chair of an IIGCC committee and has been working on the creation of a framework for private equity firms to achieve net-zero emissions.



Capital Dynamics is a member of iC International – France, a collective commitment to understand and reduce carbon emissions of private equity-backed companies and secure sustainable investment performance.



Capital Dynamics joined the Partnership for Carbon Accounting Financials ("PCAF") in April 2022. PCAF is a global partnership of financial institutions that work together to develop and implement a harmonized approach to assess and disclose the greenhouse gas emissions associated with their loans and investments. The PCAF standard is the only global standard reviewed by the GHG Protocol for measuring and disclosing financed emissions of financial portfolios. Using the standard allows financial institutions to deploy a harmonized, robust method to assess climate-related financial risks in line with the Task Force on Climate-related Financial Disclosures ("TCFD").

Capital Dynamics is a supporter of the Task Force on Climate-related Financial Disclosures ("TCFD"), an initiative created to develop a set of recommendations for voluntary and consistent climate-related financial risk disclosures in mainstream filings. We are proud to have issued our first annual Task Force on Climate-related Financial Disclosures ("TCFD") Report in 2020 and we have produced our second TCFD report including firm-level and asset-level scenario analysis in 2021.

Management of climate-related risks

We primarily manage climate-related risks in our investment strategies through our engagements with portfolio company management, GPs and Sponsors. In addition, we actively manage a variety of transition risks through our sector diversification (we avoid carbon-intensive sectors such as fossil fuel exploration) and geographic diversification (allowing us to manage the risk of carbon pricing across jurisdictions and manage the physical climate risks in the long-term). We identify and manage risks, including those pertaining to climate matters, as part of our holistic approach to Responsible Investment. Our identified climate-related risks are captured in our risk registers together with our RI alerts, and the appropriate risk management response (mitigate, avoid, accept or control) is evaluated on a case-by-case basis.

Moreover, we manage climate-related risks as part of our product development processes. We assess our product range and shifting client demands in support of sustainable investing, and ensure our offerings meet client expectations for Responsible Investment and climate change matters. This also includes our review of sustainable finance regulations, such as the EU Taxonomy and SFDR disclosure regimes, which form a core part of our launch of bespoke products and solutions aimed at helping our investors meet climate-related commitments and enhance long-term risk-adjusted returns.

The following pages detail our risk response to the <u>climate-related risks</u> disclosed in the strategy section of this report and how we manage material climate-related risks for our investment strategies.



Timeframe

RISK RESPONSE -

PRIVATE CREDIT

Short-term (3-7 years)

RISK

TIMEFRAME

М

RISK RESPONSE -PRIVATE EQUITY

Policy & Regulation

, Co

Carbon-intensive businesses are most vulnerable to carbon pricing policies and increased environmental litigation. Investments made into high emitting firms and / or companies operating in geographies most at risk of stringent carbon pricing policies are therefore most exposed to equity valuation adjustments and higher credit risks

Technology

Carbon-intensive businesses are most vulnerable to risks arising from technology (i.e. innovation to support the transition towards a lowcarbon economy could replace existing technology, leading to high capital expenditure) and are most exposed to equity valuation adjustments and higher credit risk

Mitigate

Capital Dynamics' Private Equity Co-Investment team seeks to utilize its influence over portfolio companies to enhance sustainability performance, including measuring emissions, setting emission reduction targets and tracking progress towards the targets mitigate environmental and to financial risks.

In our fund-of-funds business we conduct thorough due diligence on the GPs with whom we invest and actively monitor our investments utilizing RepRisk, as well as engage with GPs on best RI practices

Mitigate

As above, Capital Dynamics' Private Equity Co-Investment team seeks to utilize its influence over portfolio companies to enhance sustainability performance and invests with GPs that have strong RI processes in place to mitigate the risk

Avoid

As above, Capital Dynamics' Private Credit team generally lends to carbonlight businesses

Accept Risk of business

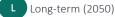
Accept

Avoid

Capital Dynamics' Private Credit team does not lend to borrower companies located in jurisdictions highly exposed to carbon pricing policies. Further, our borrower companies are traditionally carbon-light firms and implement initiatives, such as working from home schemes, that reduce the borrower's overall carbon footprint



Medium- term (7-15 years)



RISK RESPONSE -CLEAN ENERGY

Risk of carbon pricing represents a financially attractive opportunity for our Clean Energy business

low-carbon technology represents a financially attractive opportunity for our Clean Energy



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sole customer base is a high emitting sector, such as thermal coal) are most affected by equity valuation adjustments and higher

credit risk





M Medium- term (7-15 years)



RISK RESPONSE -CLEAN ENERGY

Reputational risk associated with businesses failing to reduce their intensity represents а financially attractive opportunity for our Clean Energy business, as firms increasingly need to source renewable energy to mitigate the risk

technology Risk of low-carbon adoption represents a financially attractive opportunity for our Clean

Risk of phasing out high emitting sectors, such as thermal coal represents a financially attractive opportunity for our Clean Energy

CapitalDynamics

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М

Market

RISK

Investments in companies failing to mitigate market risks that emerge from the shifts in demand and supply in support of a transition towards a low-carbon economy are most affected equity valuation by adjustments and higher credit risk

RISK RESPONSE -PRIVATE EQUITY

Mitigate

As above, Capital Dynamics' Private Equity Co-Investment team seeks to utilize its influence over portfolio companies to enhance sustainability performance and invests with GPs that have strong RI processes in place to mitigate the risk

RISK RESPONSE -PRIVATE CREDIT

Timeframe

Avoid

As above, Capital Dynamics' Private Credit team generally lends to carbonlight businesses or firms that implement sustainability initiatives

Short-term (3-7 years)

Accept

business

Cyclones, storms (acute)

The increased frequency and severity of cyclones and storms affect a multitude of located in businesses geographies most exposed to the climate hazard. The extreme weather events could cause physical damage to operations of portfolio and borrower and companies cause disruption to supply chains, affecting equity valuations and increasing credit risk



Mitigate

Private Equity Capital Dynamics' well-diversified business has a geographic exposure to mitigate risks

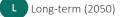
Accept

Dynamics' Capital private credit business is concentrated in the U.S. Risks associated with long-term hazards physical climate are monitored through our scenario analysis

Mitigate



Medium- term (7-15 years)



RISK RESPONSE -CLEAN ENERGY

Market demand and supply shifts in support of a low-carbon economy represent a financially attractive opportunity for our Clean Energy

Capital Dynamics' Clean Energy well-diversified business has a geographic exposure in Europe and the United Kingdom to mitigate risks

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Transition risk





Climate-related risks management: Capital Dynamics (asset management)

could also likely lead to an expectation of increased

water supply and quality, which would lead to steep increases in additional costs

environmental focusing on

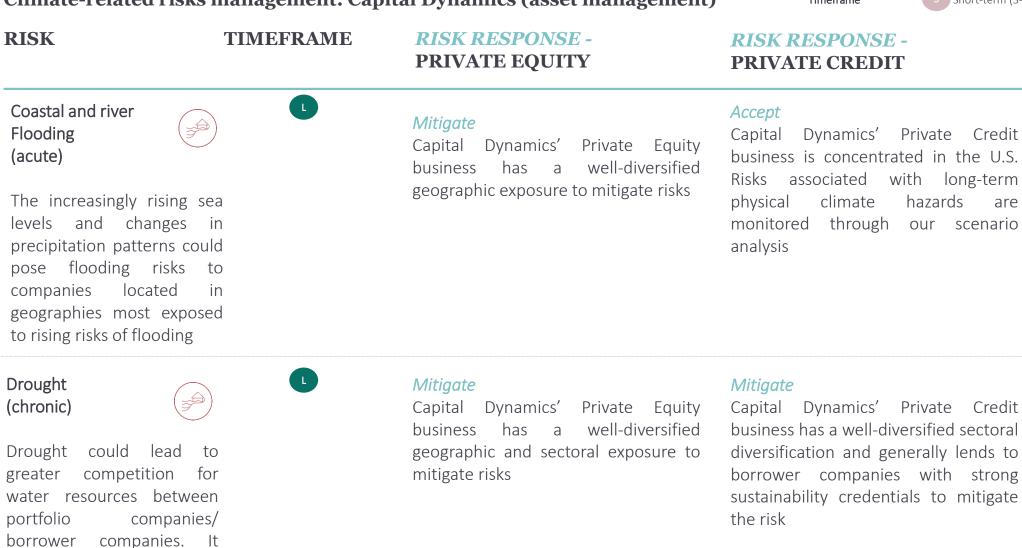
for

industries

regulation

protecting

water-intensive





Timeframe

Private Credit business is concentrated in the U.S. with long-term are monitored through our scenario

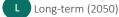
Mitigate

Avoid

Capital

Short-term (3-7 years)

Medium- term (7-15 years)



RISK RESPONSE -CLEAN ENERGY

Capital Dynamics' Clean Energy well-diversified business has a geographic exposure in Europe and the United Kingdom to mitigate risks

Dynamics' Clean Energy business is not water-intensive and has a well well-diversified geographic exposure in Europe and the United Kingdom





Transition risk

Physical risk

, ⇒⇒

TIMEFRAME

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RISK RESPONSE -PRIVATE CREDIT

Accept

RISK RESPONSE -PRIVATE EQUITY

Mean air temperature z rise (chronic)

RISK

The rise in average air in some temperature jurisdictions could be substantial, affecting agriculture and availability of raw materials, transport, and medical care. It also labor affects the productivity of companies. These effects have an impact on equity valuation and credit risk of underlying companies

Rising sea levels, temperature , starter and the second secon rise, drought, extreme weather events (chronic / acute)

The increasing frequency and severity of climate hazards (chronic and acute) lead to could some companies and assets most exposed to the risks to become uninsurable, impacting equity valuations and increasing credit risks

on businesses across all sectors and geographies. Capital Dynamics monitors the long-term risks through climate scenario analysis

The rising average air temperature

globally will have a long-term effect

The rising average air temperature globally will have a long-term effect on businesses across all sectors and geographies. Capital monitors the long-term risks through climate scenario analysis

Timeframe

Short-term (3-7 years)

Accept

Dynamics

Accept

geographies.

Mitigate

Capital Dynamics' Private Equity business has a geographic exposure to mitigate risks

Accept

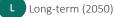
Dynamics' Private Credit Capital business is concentrated in the US. Risks associated with long-term hazards physical climate are through monitored our scenario analysis

Mitigate



well-diversified

M Medium- term (7-15 years)



RISK RESPONSE -CLEAN ENERGY

The rising average air temperature globally will have a long-term effect on businesses across all sectors and Capital Dynamics monitors the long-term risks through climate scenario analysis

Capital Dynamics' Clean Energy well-diversified business has a geographic exposure in Europe and the United Kingdom to mitigate risks

CapitalDynamics

81





TIMEFRAME

(**R**o

RISK RESPONSE -Capital Dynamics operations

Policy & Regulation

RISK

Enhanced regulatory obligations disclosure increase costs for data collection of climate-related KPIs and reporting efforts

Mitigate

Capital Dynamics has identified regulatory developments in sustainable finance regimes and conducted impact assessments. The firm prepares well in advance for changes to regulations (for example amendments to SFDR disclosures) and works in close cooperation with Legal and Compliance subject matter experts on the implementation of regulatory reporting obligations

Capital Dynamics sources renewable energy at its largest office premises to reduce

scope 2 GHG emissions. Further, our measurement of our operational carbon

footprint revealed that our largest contribution to GHG emissions stems from business flights. Our firm is committed to reduce unnecessary business travel and has

reflected this in the financial planning for our firm. In addition, our firm offers

employees the opportunity to work from home, which further reduces our scope 3

Policy & Regulation

Increased carbon pricing policies could lead to higher costs for our own operational carbon emissions

Technology



Upgrades to technology in support of a transition to a low-carbon economy could necessary for become certain office locations (for example making electric vehicle charging points available)



Accept

GHG emissions

Mitigate

Long-term climate transition risks are monitored through our scenario analysis to determine best course of action in the long-run



Climate Risk category

Timeframe

M Medium- term (7-15 years)



CapitalDynamics



Transition risk



Physical risk

Climate-related risks management: Capital Dynamics (operations)

Timeframe

Short-term (3-7 years)

RISK

TIMEFRAME

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М

Policy & **Regulation**, Reputation

Perception of not having appropriately engaged with policy makers on regimes supporting a lower carbon economy and portfolio / borrower companies to address climate risks, increases reputational risks and represents missed opportunities to mitigate climate risks

Market, Reputation

Increased shifts in client preferences towards sustainable investments from reduce revenue with financial products Responsible lower Investment ambitions

Reputation



stakeholder Increased demand for climate-related impact disclosures increases costs for carbon accounting measures and tools and climate-related enhanced reporting offerings

RISK RESPONSE -Capital Dynamics operations

Mitigate

Capital Dynamics plays an active role in support of the transition to a low-carbon economy. We regularly engage with policy makers on regulatory consultations (for example in 2022 we engaged with the SEC on the proposed rules for mandatory climate-related disclosures and expressed our strong support for the rules). We also engage with our industry peers to promote best practices in driving decarbonization efforts in private markets (for example, we co-led the IIGCC working group to develop the Net Zero Investment Framework ("NZIF") for Private Equity). Additionally, we engage with our portfolio companies on Responsible Investment matters, including climate change, and seek to implement sustainability improvements that have a financially material impact on exit multiples

Mitigate

We mitigate climate-related risks as part of our product development processes. We assess our product range and shifting client demands in support of sustainable investing, and ensure our offerings meet client expectations for Responsible Investment and climate change matters. This also includes our review of sustainable finance regulations, such as the EU Taxonomy and SFDR disclosure regimes, which form a core part of our launch of bespoke products and solutions aimed at helping our investors meet climate-related commitments and enhance risk-adjusted longterm returns

Accept

In 2021, Capital Dynamics hired an employee fully dedicated to sustainability across our investment strategies and our firm-wide Corporate Social Responsibility initiatives. We continuously strive to develop enhanced RI reporting in-house for our clients and are committed to further expand our sustainability team over time



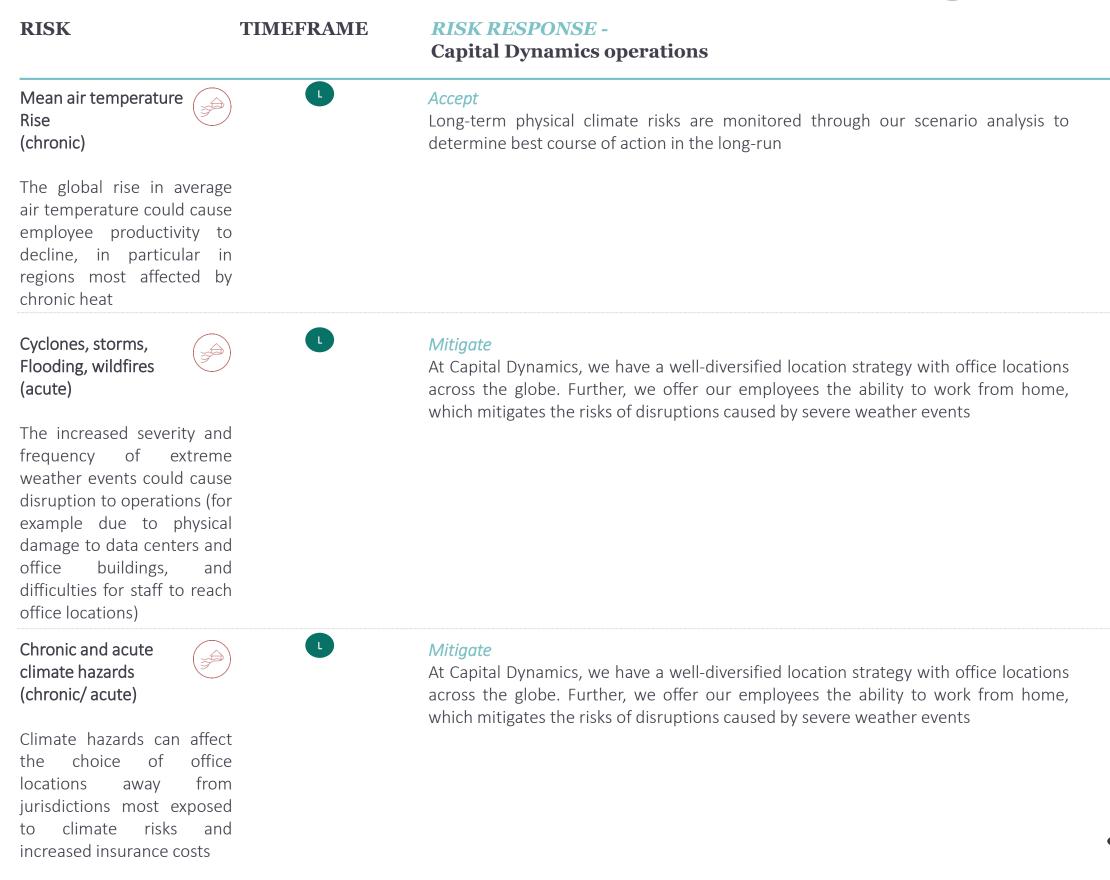








Climate-related risks management: Capital Dynamics (operations)



Timeframe

S Short-term (3-7 years)



CapitalDynamics



 $(\bigcirc_{\mathbb{C}^2})$ Transition risk



Our risk management processes incorporate climate considerations

Capital Dynamics has defined a risk management framework for all strategies, outlining the key risk categories, risk mitigation steps and risk management assessments as described below:

RISK CATEGORY	DESCRIPTION	RISK MITIGATION
Company- specific risk	Risks associated with the portfolio company's business model and strategy	Monitoring of portfolio company during due diligence
Macroeconomic / regulatory	Risks associated with the global economy or changes in regulation	Monitoring of macroeconomic and regulatory developm on portfolio companies and invest in tail-risk insurance inv
Credit risk	Risks associated with leverage, interest rate, payment default and prepayment	Negotiating refinancing and other favorable terms in case interest rate hedging, assessing credit-worthiness of port probability of default
Asset liquidity risk	Risks associated with investing into an illiquid asset (for example the restrictions in selling a position of an underperforming company)	Negotiating sales contracts and key terms underpinning r market developments and allocating risk effectively in sale



ments that could have an impact nvestments

se of early repayment, performing ortfolio companies and estimating

g revenue certainty. Monitoring of ales contract structures

RISK CATEGORY	DESCRIPTION	RISK MITIGATION
Funding liquidity risk	Risks associated with investors failing to meet commitments after capital calls by the AIF	Establishing strong relationships with LPs and ensuring ap terms to protect non-defaulting LPs
Currency & geographic risk	Risks associated with currency devaluations and investing in companies with broad geographic footprint	Monitoring of currency exposures and geographic expos uncertainties and geo-political events
GP / Management risk	Risks associated with GP management and portfolio company management (for example reputational risks)	Conducting strong due diligence prior to investment decisi
Responsible Investment risks	Risks associated with environmental, social and governance issues, including risks associated with climate change	Conducting strong due diligence prior to investment de company's Responsible Investment risks during hold perior
Investment risk	Risks associated with an investment incurring a loss relative to the expected return	Conducting strong due diligence in assessing the private e opportunities as well as the management teams
Operational risk	Risks associated with day-to-day operations at a portfolio company level (for example IT disruptions)	Conducting strong due diligence on GP's track record establishing strong relationships with GPs with good pa contracts to mitigate performance risk
Concentration risk	Risks associated with failing to adequately diversify investments across industries, geographies, strategies and GPs	Ensure well-diversified exposure to sectors, geographies, s

appropriate legal

osure to regions with heightened

cision

decision and monitoring portfolio riod

e equity firm or direct investment

rd of portfolio company choice, past experiences and negotiating

s, strategies and funds

Capital Dynamics' risk management assessment framework

On a quarterly basis, Capital Dynamics produces the Risk Management Assessment Report in line with our Risk Management Policy. Our risk management team shares the report with the investment management teams for review and confirmation that the AIF has complied with any applicable investment restrictions.

Risks are quantified on a scale ranging from 1 (low) to 5 (high) with the following risk assessment framework:

RISK SCORE

PROBABILITY OF OCCURRING

1 = low
2 = low to medium
3 = medium
4 = medium to high
5 = high

0% - 20% probability (nil or negligible) 21% - 40% probability 41% - 60% probability (risk exists but is manageable) 61% - 80% probability 81% - 100% probability (potentially significant)

Members of the Capital Dynamics investment teams are responsible for monitoring, assessing and reviewing the risks on a continuous basis. All detected breaches or anticipated risks with a scoring of 4 or 5 (medium to high or high probability of occurring) are reported immediately to our firm's Head of Risk who in turn escalates such risks to the EC and take action as appropriate to address the risks.

Incorporation of climate change into our overall risk management

Climate-related risks are projected to have far-reaching impacts across several risk metrics that are monitored by our risk management function. The below summary details the overlay of financially material climate risks and the intersection with more traditional risk categories:

Credit risk

Credit risk of companies might be impacted, if they are exposed to realized risk events (such as physical damage to production facilities due to extreme weather events). This could cause financial difficulties for borrower companies and impact their ability to service debt

Operational risk

Physical effects of climate change may impact the operations of our portfolio and borrower companies, as well as our own firm, which could lead to losses in revenue

Foreign exchange risk

Global trade patterns are projected to change due to the shift in supply and demand for more sustainable products in the transition to a low-carbon economy. This affects currency values, which in turn could have a financial impact on portfolio and borrower companies that are exposed to impacted currencies

Reputational risk

If we are perceived as not sufficiently addressing climaterelated risks, we could be exposed to reputational risks with our investors. Likewise, if our portfolio and borrower companies are not managing climate risks appropriately, they could be exposed to heightened reputational risk

Product strategy risk

Climate-related considerations may dominate the regulatory landscape and investor demand for sustainable financial products, which could impact our product offerings more broadly (for example an increasing demand for Art. 8 and Art. 9 products across our investment strategies)

Regulatory risk

Climate-related regulatory requirements continue to be introduced in jurisdictions in which we operate. Failure to meet the requirements could result in regulatory sanctions



Metrics & Targets

4





Metrics & Targets

We use a number of metrics to monitor our climate-related risks and track progress in order to respond appropriately to financially material climate opportunities in our annual TCFD reports. The following section discloses the metrics we use and the underlying methodology.

Private Equity and Private Credit – Financed emissions intensity

For our Co-Investment private equity and private credit strategies we apply the PCAF methodology for measuring and reporting financed emissions, in line with TCFD recommendations. We utilize the PCAF emissions factor database to approximate the attributable emissions. PCAF is the original owner of the Database and the reported emissions were derived from Scope 1, Scope 2 and Scope 3 emissions and extracted from the PCAF Database. The emissions factor source in the PCAF database used is EXIOBASE (2015) and S&P Capital IQ (2019). All copy rights are reserved. Disclaimer:

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In the absence of a defined methodology for financed emissions of fund-of-funds, we approximate the emissions based on the sector average emissions factors available in the PCAF database and attribute the emissions based on the ownership percentage (based on commitments).

The following calculation applies to the financed GHG emissions for our Private Equity and Private Credit strategies (data quality score 5): The emissions factors in the PCAF database for data guality score 5 are emission factors for the sector per unit of the asset (tCO2e per euro of an asset in a sector). The PCAF database provides these emission factors in CO2e/M\$ (i.e. GHG emissions per unit asset) for sectors and regions, which are derived by multiplying the data quality score 4 emission factors (which are emission factors by revenue) with asset turnover ratios. The ratios are sector averages that are multiplied with the emission factors for the sector and region. The variance in asset turnover ratios is high and can amount to up to 50%. When using the PCAF data quality score 5 methodology (PCAF option 3b) for a single asset, the emission factor for the corresponding sector and location is obtained from the PCAF database and multiplied by the outstanding amount to compute the financed emissions. The outstanding amount for private credit is the outstanding loan amount, and for private equity the ownership percentage. For our indirect private equity strategies we utilize the ownership percentage based on commitments to attribute the emissions. The following formula is used, where s= sector and c=borrower or portfolio company:

 $\sum Outstanding Amount_c \times \frac{GHG \ emissions_s}{Assets_s}$



Clean Energy – Absolute GHG emissions, carbon footprint and WACI

For our Clean Energy funds, we compute the GHG emissions, carbon footprint and weighted carbon intensity ("WACI") of our investments in line with the below formulas:

Absolute GHG emissions

 $\frac{current \ value \ of \ investment_i}{investee \ company's \ Scope(x) \ GHG \ emissions_i} \times investee \ company's \ Scope(x) \ GHG \ emissions_i$

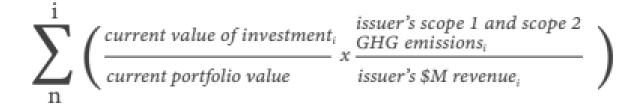
Emissions intensity (carbon footprint)

 $\left(\frac{current \ value \ of \ investment_i}{investee \ company's \ Scope \ 1,2 \ and \ 3 \ GHG \ emissions_i}\right)$

current value of all investments $(\in M)$

Please note, the portfolio value excludes assets under construction.

Emissions intensity (Weighted Average Carbon Footprint "WACI")



Please note, the portfolio value includes assets under construction. We calculate the WACI in local currency, i.e. EUR.

Other metrics and KPIs

Other metrics we use to measure the exposure to financially material climate-related risks and opportunities include the following:

- % of portfolio with exposure to fossil fuel extraction sector
- % of portfolio with exposure to fossil fuels processing and generation
- % of portfolio with exposure to climate solutions
- % of portfolio with climate transition plans in place
- % of portfolio for which data has been estimated
- % of the portfolio where there has been engagement with the underlying entity on climate change during the past 12 months
- % of the portfolio at year end for which the underlying company reports against TCFD recommendations

Further, for our Clean Energy investments we track a number of environmental benefits generated by our investments (see below).

Environmental benefits Clean Energy

Ownership adjusted generation MWh Adjusted avoided emissions t CO2e

The environmental benefits generated by our Clean Energy investments in 2022 were equivalent to:

Cars taken off road Houses powered Gallons of gasoline Barrels of oil

Total carbon emissions Clean Energy portfolio in tCO2e 7,144.49

Data valid as at 31st December 2022. Figures include all operational assets of funds owned by Capital Dynamics. Figures include data until the effective ownership transfer date of sold assets. Carbon emissions and equivalents have been calculated in accordance with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard. Data is adjusted by ownership share. Carbon factors are obtained from the 2022 UK Government GHG Conversion Factors for Company Reporting (Greenhouse gas reporting: conversion factors 2022 - GOV.UK (www.gov.uk)) and the

International Energy Agency (IEA) Emission Factors 2022.



2022

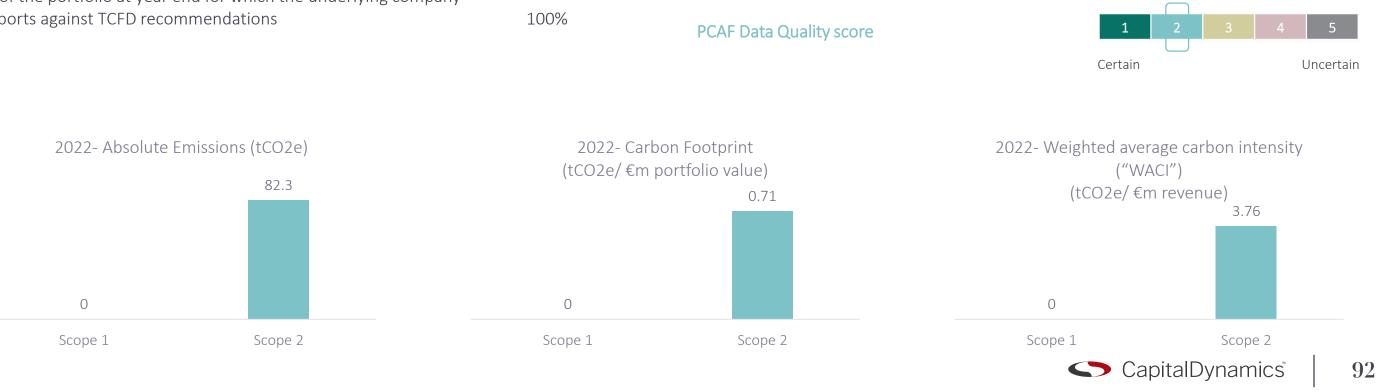
679.939.93 119,326.22

50,683.87 68,181.89 14,593,820.24 347,471.91

Clean Energy: CEI VIII

Metrics – Climate risks and opportunities exposure	2022
% of portfolio with exposure to fossil fuel extraction sector (by assets)	0%
% of portfolio with exposure to fossil fuels processing and generation (by assets)	0%
% of portfolio with exposure to climate solutions (by assets)	100%
% of portfolio with climate transition plans in place (by assets)	0%
% of portfolio for which data has been reported by underlying Entity, rather than being estimated	100%
% of the portfolio where there has been engagement with the Underlying entity on climate change during the past 12 months	100%
% of the portfolio at year end for which the underlying company reports against TCFD recommendations	100%

	Metrics – Absolute GHG emissions	
)22 %	Scope 1 Scope 2 Scope 3	(;;
%	Metrics – Emissions intensity (carbon footprint)	
DO% %	Scope 1 Scope 2 Scope 3	() (
00%	Metrics – Emissions intensity (WACI)	
00%	Scope 1 Scope 2 Scope 3	(
00%	PCAF Data Quality score	Ce



2022

0 82.3 tCO2e unavailable

2022

0 0.71 tCO2e/ €m portfolio value unavailable

2022

0 3.76 tCO2e/ €m revenue unavailable

Clean Energy: CEI IX

Metrics – Climate risks and opportunities exposure	2022
% of portfolio with exposure to fossil fuel extraction sector (by assets)	0%
% of portfolio with exposure to fossil fuels processing and generation (by assets)	0%
% of portfolio with exposure to climate solutions (by assets)	100%
% of portfolio with climate transition plans in place (by assets)	0%
% of portfolio for which data has been reported by underlying Entity, rather than being estimated	100%
% of the portfolio where there has been engagement with the Underlying entity on climate change during the past 12 months	100%
% of the portfolio at year end for which the underlying company reports against TCFD recommendations	100%

	Metrics – Absolute GHG emissions
022	Scope 1 Scope 2 Scope 3
%	
/0	Metrics – Emissions intensity (carbon footprint)
20%	Scope 1 Scope 2 Scope 3
/0	
00%	Metrics – Emissions intensity (WACI)
00%	Scope 1 Scope 2 Scope 3
00%	PCAF Data Quality score



2022

0 213 tCO2e unavailable

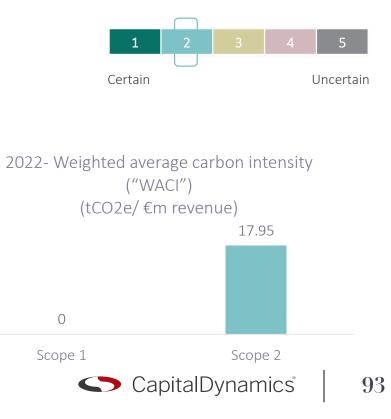
2022

0 0.98 tCO2e/ €m portfolio value unavailable

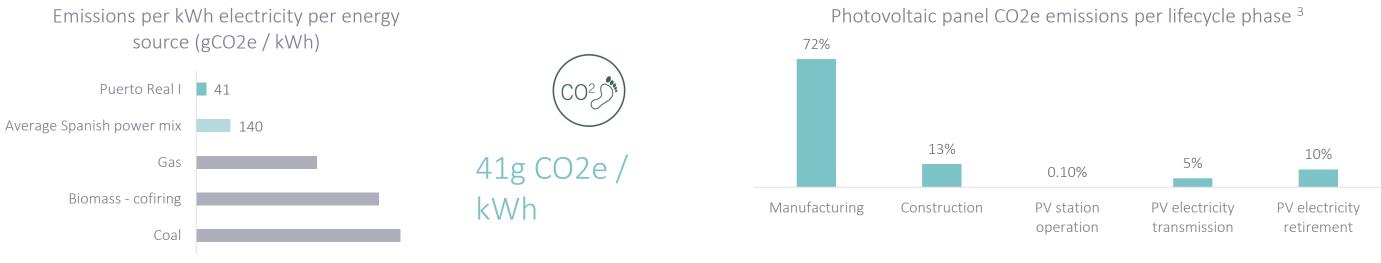
2022

0

0 17.95 tCO2e/ €m revenue unavailable



GHG Accounting of Puerto Real I (solar PV)- by Carbometrix

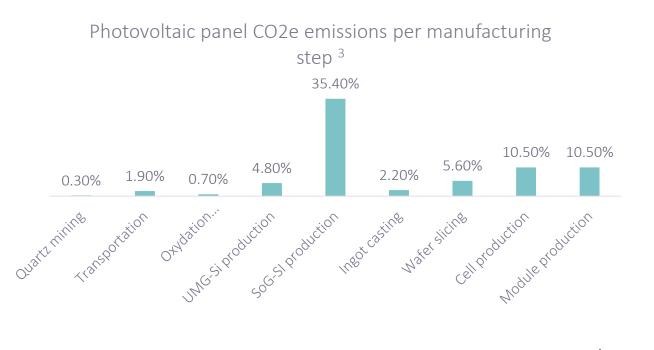


On average, to generate a kWh of electricity, this project will emit 41 grams of CO2e, substantially less than the average energy mix in Spain.



The projected avoided emissions from Puerto Real I amount to 344 ktCO2e over a lifetime of 20 years

The majority of lifecycle emissions of Puerto Real I occur upstream in the manufacturing and construction phases.



GHG reduction targets for Clean Energy

Our new Clean Energy funds set net zero impact targets, whereby we commit to reduce or offset emissions from all of the Clean Energy projects in the Funds in line with net zero targets, from the construction date through the exit of that project.

The Funds will be consistent with a decarbonization pathway for the operational emissions. Carbon offsets will be used to neutralize operational emissions while the Funds transition to a net-zero status. The Funds will achieve carbon neutrality for the construction emissions through the purchase of credible carbon credit schemes while its supply chain adjusts to a decarbonization pathway.

Me

EU Taxonomy alignment targets

In addition to the net zero targets, our new European fund also aims to achieve a minimum of 50% EU Taxonomy-alignment. The EU Taxonomy is a classification system that allows investors to identify and report on the proportions of investments that are environmentally sustainable as defined in Regulation (EU) 2020/852 of The European Parliament and of the Council. Investments fulfilling the alignment criteria under the EU Taxonomy meet the highest standards in sustainability in support of the EU's environmental objectives, including climate change mitigation and adaptation.

	Operational emissions – reported annually	Construction emissions – reported at COD
easurement	Carbon assessment for annual operational emissions (electricity used on site, water usage, waste generation, O&M activities etc.)	Carbon assessment for construction emissions at pro- excludes manufacturing of materials and transport to site
GHG emissions reduction	Implementation of solutions to reduce own energy usage of investments (e.g. measures for electricity reduction, water and waste minimization etc.). Increase procurement of renewable energy at asset level (e.g. through REGOs or other green tariffs)	Stakeholder engagement to reduce carbon emitting acti through solar powered temporary offices, use of electri for worker transportation/ on-site transportation and waste management plans)
Offsetting	Annual carbon offsets via a recognized offsetting framework	One-off carbon offsets via a recognized offsetting fran COD



roject levelite

ctivities (e.g. tric vehicles nd site-level

amework at

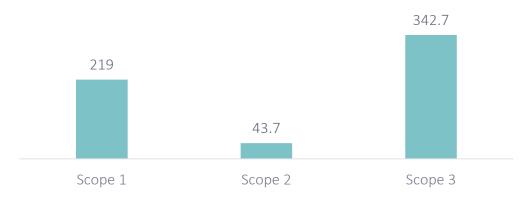
Private Equity Mid-Market Direct: MMD V

Metrics – Climate risks and opportunities exposure	2022
% of portfolio with exposure to fossil fuel extraction sector (by number of companies)	0%
% of portfolio with exposure to fossil fuels processing and generation (by number of companies)	0%
% of portfolio with exposure to climate solutions (by number of companies)	0%
% of portfolio with climate transition plans in place (by number of companies)	0%
% of portfolio for which data has been estimated	100%
% of the portfolio where there has been engagement with the Underlying entity on climate change during the past 12 months	0%
% of the portfolio at year end for which the underlying company	

Financed GHG emissions intensity (tCO2e / \$M revenue)

0%

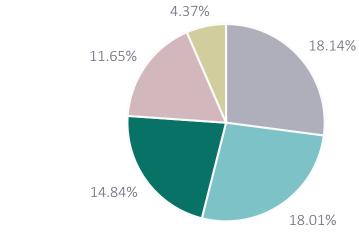
reports against TCFD recommendations



Metrics – Financed GHG emissions intensity

PCAF Data Quality score

Contribution to total financed GHG emissions intensity by sector (tCO2e / \$M revenue) - top 5



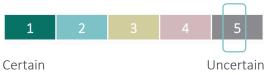
Residential Waste Collection

- Recommerce
- Pharmaceutical Contract Development and Manufacturing Organisation (CDMO)
- Content Recommendation Native Advertising Technology
- IT Cybersecurity



2022

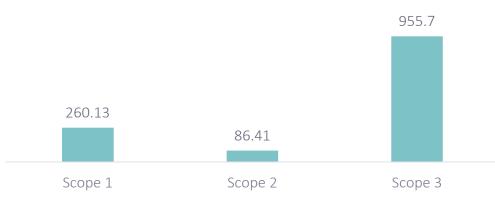
219 tCO2e / \$m revenue 43.7 tCO2e / \$m revenue 342.7 tCO2e / \$m revenue



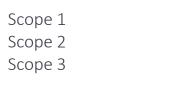
Mid-Market Credit: MMCI

Metrics – Climate risks and opportunities exposure	2022
% of portfolio with exposure to fossil fuel extraction sector (by number of companies)	0%
% of portfolio with exposure to fossil fuels processing and generation (by number of companies)	0%
% of portfolio with exposure to climate solutions (by number of companies)	0%
% of portfolio with climate transition plans in place (by number of companies)	0%
% of portfolio for which data has been estimated	100%
% of the portfolio where there has been engagement with the Underlying entity on climate change during the past 12 months	0%
% of the portfolio at year end for which the underlying company reports against TCFD recommendations	0%

Financed GHG emissions intensity (tCO2e / \$M revenue)



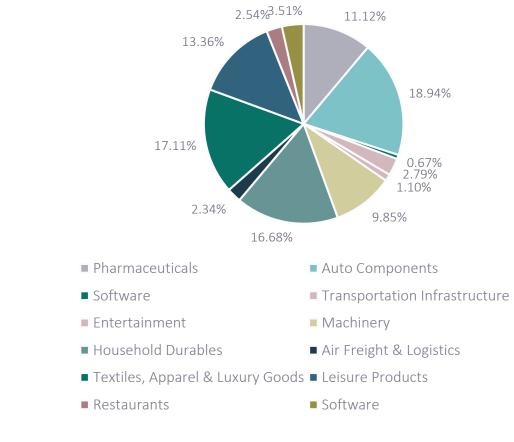
Metrics – Financed GHG emissions intensity





PCAF Data Quality score

Contribution to total financed GHG emissions intensity by sector (tCO2e / \$M revenue)



2022

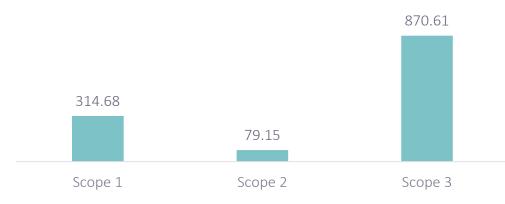
260.13 tCO2e / \$m revenue 86.41 tCO2e / \$m revenue 955.7 tCO2e / \$m revenue



Private Equity Primaries: Future Essentials II

Metrics – Climate risks and opportunities exposure	2022
% of portfolio with exposure to fossil fuel extraction sector (by number of companies)	0%
% of portfolio with exposure to fossil fuels processing and generation (by number of companies)	0%
% of portfolio with exposure to climate solutions (by number of companies)	0%
% of portfolio with climate transition plans in place (by number of companies)	0%
% of portfolio for which data has been estimated	100%
% of the portfolio where there has been engagement with the Underlying entity on climate change during the past 12 months	0%
% of the portfolio at year end for which the underlying company reports against TCFD recommendations	0%

Financed GHG emissions intensity (tCO2e / \$M revenue)

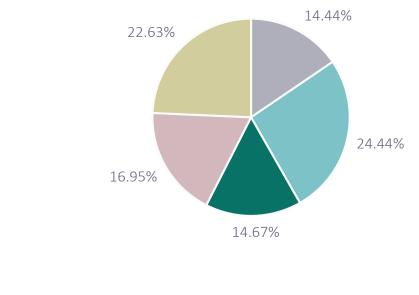


Metrics – Financed GHG emissions intensity

Scope 1	
Scope 2	
Scope 3	

PCAF Data Quality score

Contribution to total financed GHG emissions intensity by sector (tCO2e / \$M revenue) - top 5

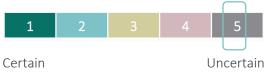


Consumer Discretionary Consumer Staples Health care Industrials Information Technology



2022

314.68 tCO2e / \$m revenue 79.15 tCO2e / \$m revenue 870.61 tCO2e / \$m revenue



Capital Dynamics' operational carbon footprint

In early 2022, we undertook a firm-wide employee commuting survey to better understand the commuting habits of our staff. We asked employees about their commuting distance, frequency and choice of transport mode in 2019 and 2021.

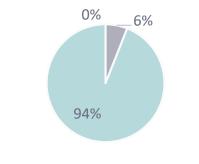
Due to the COVID-19 pandemic and the resulting prolonged periods of working from home in 2020, we were interested in understanding our employees' commuting habits prior to the pandemic as a baseline, and the impact our hybrid working model from 2021 had on the commuting patterns.

Not only did the survey reveal the effectiveness of our hybrid working model on reducing emissions from employee commuting, it also helped us identify ways in which we can incentivize employees to make environmentally-conscious choices when commuting to work.

Utilizing the data, we have measured our operational carbon footprint (scope 1, scope 3 and scope 3, excluding category 15 'investments') and identified our main carbon hotspots arising from electricity consumption, business flights and employee commuting. Our energy consumption across our offices was responsible for 50 tCO2e emissions in 2021, as measured by the location-based method in line with the Greenhouse Gas Protocol. Each year, we offset our emissions from electricity consumption with the purchase of REGOs (Renewable Energy Guarantees of Origin). In 2022, Capital Dynamics has offset the remainder of the operational carbon emissions arising from employee commuting and business flights (521.5 tCO2e) with a verified carbon removal project Rimba Raya.

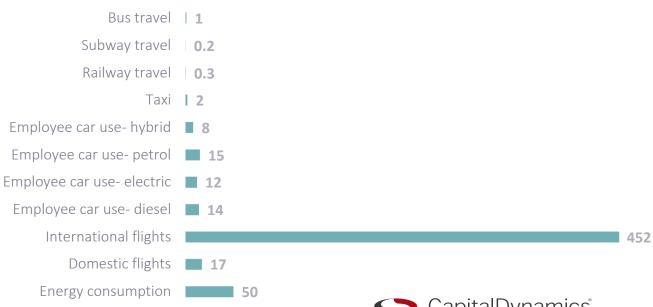
We are also committed to make a positive impact on the environment through our supplier selection. In 2022, we partnered with "A Good Company" for the purchase of climate-positive notebooks. Each product sold not only made a positive contribution to the environment, but our order also enabled donations to charity: water (charitywater.org) and has generated 20,000 liters of water to communities.

OPERATIONAL CARBON FOOTPRINT- BY SCOPE



Scope 1 Scope 2 Scope 3





tCO2e

CapitalDynamics

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Appendix

- Physical climate risk assessment
- Sector-level climate risks and opportunities
- Methodologies
- Index TCFD recommendations
- List of figures



Physical climate risk assessment

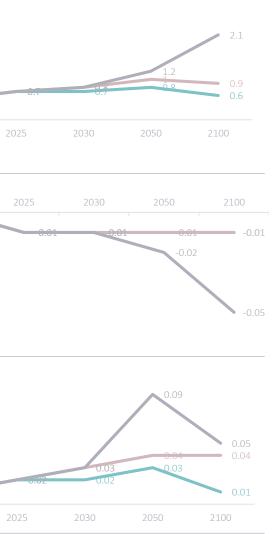
Clean Energy – European portfolio



Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	U.S
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020 2
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.04	0.04	0.02	0.02	0.00	0.05	0.01
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	2020 2



Clean Energy– Physical climate risk scenario analysis – Asset: Whiteside Hill (onshore wind) (continued)

imate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9	20
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	2
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
ta based on national levels due to	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
availability in the selected region														
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
a based on national levels due to	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	20
vailability in the selected region														
<u>د</u> ې	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	21
		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Relative change in wind speed (in %)														

Legend: Scenarios

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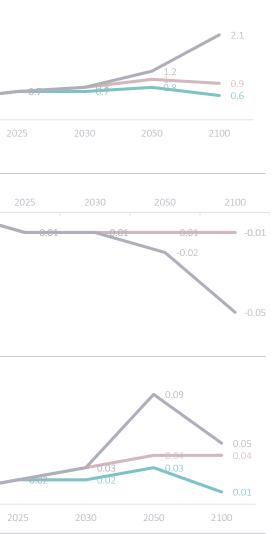


Climate Hazards

Scenario analysis

6	2020 Value		NGFS Net	GFS Net Zero 2050				ed transitio	on					
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.5
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
Land fraction annually exposed to	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on I		NGFS Curr	ent Policies	5	
wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	2020





Clean Energy– Physical climate risk scenario analysis – Asset: Longhill (onshore wind) (continued)

imate Hazards						S	cenar	io ana	lysis					
	2020 Value	NGFS Net Zero 2050				N	GFS Delay	ed transitio	on	NGFS Current Policies				
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9	2
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
ta based on national levels due to availability in the selected region	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
ta based on national levels due to availability in the selected region	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	20
	2020 Value			Zana 2050										2
Relative change in wind speed (in %)		2025	2030	Zero 2050 2050	2100	2025	GFS Delay 2030	ed transitio	2100	2025	2030	ent Policies	2100	

Legend: Scenarios

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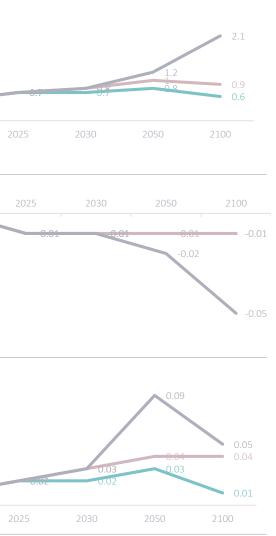


Climate Hazards

Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on					
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	C.U
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on	NGFS Current Policies				
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	2020

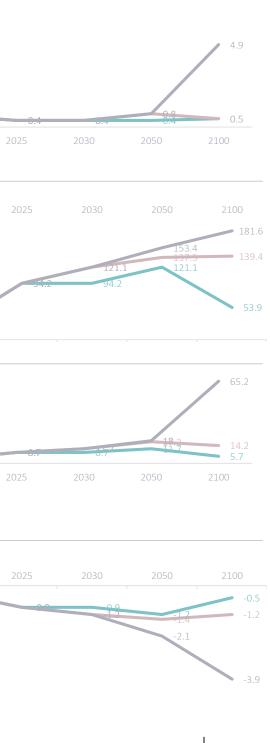




Clean Energy– Physical climate risk scenario analysis – Asset: Sorbie (onshore wind) (continued)

imate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on	NGFS Current Policies				
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Expected damage rom river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
a based on national lovels due to														
					-			1						
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical	2020 Value	2025	NGFS Net	Zero 2050 2050	2100	N 2025	GFS Delay 2030	ed transitic 2050	on 2100	2025	NGFS Curr 2030	ent Policies	2100	
Expected damage from tropical yclones (p.a. in%)	2020 Value 3.7													
ta based on national levels due to availability in the selected region Expected damage from tropical cyclones (p.a. in%) ata based on national levels due to navailability in the selected region		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
evailability in the selected region Expected damage from tropical cyclones (p.a. in%) exta based on national levels due to havailability in the selected region		2025 8.7	2030 8.7	2050	2100 5.7	2025 8.7	2030	2050	2100	2025 8.7	2030	2050	2100	
evailability in the selected region Expected damage from tropical cyclones (p.a. in%) ta based on national levels due to availability in the selected region	3.7	2025 8.7	2030 8.7	2050	2100 5.7	2025 8.7	2030	2050	2100	2025 8.7	2030	2050 28	2100	

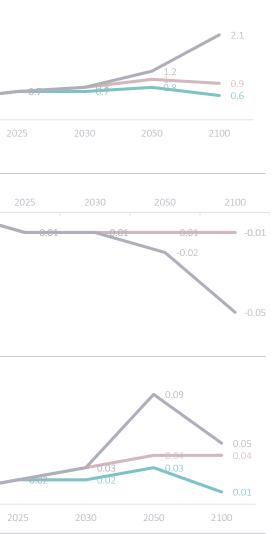
Legend: Scenarios



Climate Hazards

Scenario analysis

6	2020 Value	NGFS Net Zero 2050				N	GFS Delay	ed transitio	on					
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.5
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	0.01 2020



Clean Energy– Physical climate risk scenario analysis – Asset: Pines Burn (onshore wind) (continued)

mate Hazards						S	cenar	io ana	lysis				
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	n		NGFS Curr	ent Policies	5
xpected damage rom river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6
based on national levels due to ailability in the selected region				·	<u></u>		-	^					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5
xpected damage		2025	2020	2050	2100	2025	2020	2050	2100	2025	2030	2050	2100
from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2000	2050	2100
from tropical clones (p.a. in%) based on national levels due to	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	2050	65.2
from tropical clones (p.a. in%)	3.7												
from tropical clones (p.a. in%) based on national levels due to ailability in the selected region	3.7 2020 Value	8.7		11.7	5.7	8.7	11.7		14.2	8.7	11.7		65.2
from tropical clones (p.a. in%) based on national levels due to ailability in the selected region		8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2

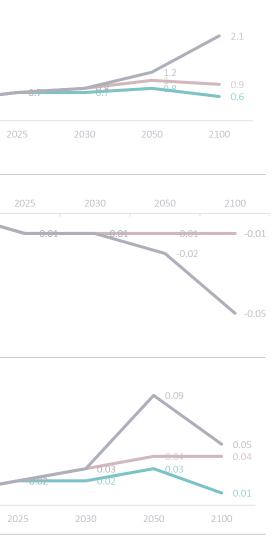
Legend: Scenarios



Scenario analysis

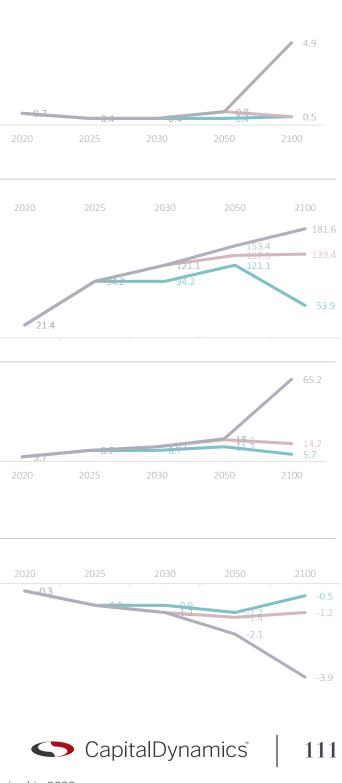
6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	U. 3
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020
														2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on 		NGFS Curr	ent Policies		
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
				·	^				^		·			
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	2020





Clean Energy– Physical climate risk scenario analysis – Asset: Strathrory* (onshore wind) (continued)

mate Hazards						S	cenar	io ana	lysis				
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
(p.a. 111/0)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6
a based on national levels due to vailability in the selected region			1	1	1	1	1	1		1	1	1	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Expected damage from tropical yclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
a based on national levels due to vailability in the selected region	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2
Celative change in	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
elarive change in		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
vind speed (in %)													

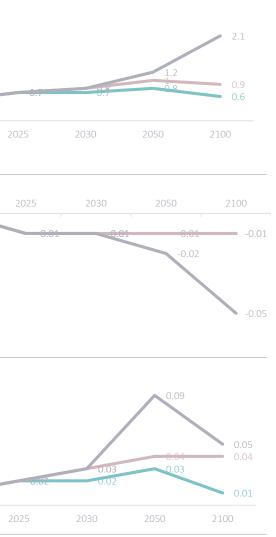


* Acquired in 2023

Scenario analysis

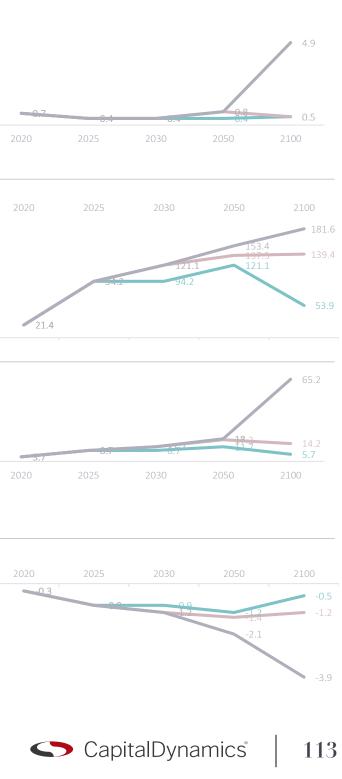
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	C.U
	0.5	0.7	0.7	0.8	0.6	0.7	0.8	1	0.9	0.7	0.8	1.2	2.1	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.02	0.02	0.03	0.01	0.02	0.03	0.04	0.04	0.02	0.03	0.09	0.05	2020





Clean Energy– Physical climate risk scenario analysis – Asset: Lairg II* (onshore wind) (continued)

mate Hazards						S	cenar	io ana	lysis				
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	;
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.8	0.5	0.4	0.4	0.8	4.9
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	;
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
based on national levels due to	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6
vailability in the selected region													
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	;
Expected damage from tropical velones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2
a based on national levels due to vailability in the selected region									2	-			
vailability in the selected region	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	; ;
vailability in the selected region	2020 Value	2025	NGFS Net	Zero 2050 2050	2100	N 2025	GFS Delay 2030	ed transitio	on 2100	2025	NGFS Curr	ent Policies 2050	2100



Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.9	0.9	1	0.8	0.9	1	1.2	1.1	0.9	1	1.5	2.6	2020
											•			
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	202
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.06	-0.07	-0.07	-0.09	-0.06	-0.07	-0.09	-0.1	-0.1	-0.07	-0.09	-0.2	-0.4	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.04	

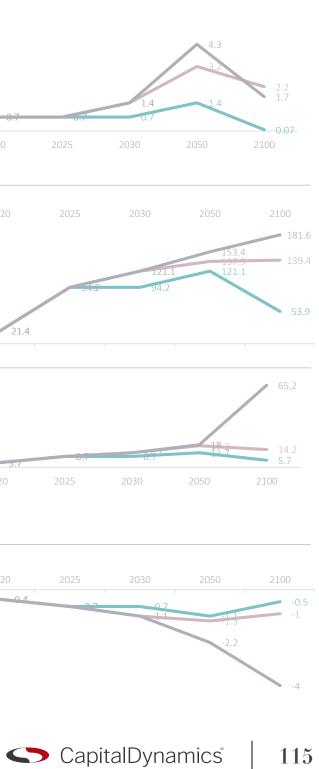


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Clean Energy– Physical climate risk scenario analysis – Asset: Watford Lodge (onshore wind) (continued)

limate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.08	0.7	0.7	1.4	0.07	0.7	1.4	3.2	2.2	0.7	1.4	4.3	1.7	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Data based on national levels due to	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Data based on national levels due to unavailability in the selected region	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	2020
	20201/1		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
(۲)	2020 Value													-
Relative change in wind speed (in %)	2020 Value	2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	



limate Hazards						S	cenar	io ana	lysis					
(4)	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.9	0.9	1	0.8	0.9	1	1.2	1.1	0.9	1	1.5	2.6	20
Labor	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	2
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.06	-0.07	-0.07	-0.09	-0.06	-0.07	-0.09	-0.1	-0.1	-0.07	-0.09	-0.2	-0.4	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
nnually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.04	
														20



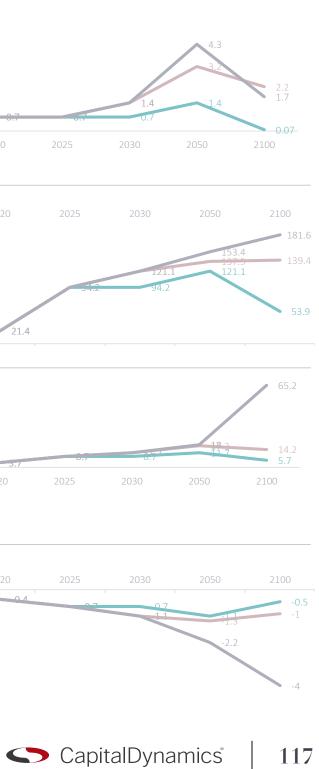


Clean Energy– Physical climate risk scenario analysis – Asset: Westnewton (onshore wind) (continued)

limate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.08	0.7	0.7	1.4	0.07	0.7	1.4	3.2	2.2	0.7	1.4	4.3	1.7	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	202
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
navailability in the selected region	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
										1				
Expected damage from tropical cyclones (p a in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
from tropical cyclones (p.a. in%)	3.7	2025 8.7	2030 8.7	2050 11.7	2100 5.7	2025 8.7	2030 11.7	2050 17.2	2100	2025 8.7	2030	2050 28	2100 65.2	2020
	3.7 2020 Value		8.7		5.7	8.7	11.7		14.2	8.7	11.7		65.2	202
from tropical cyclones (p.a. in%)			8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	2020

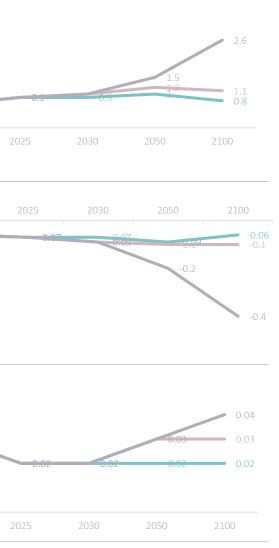
Legend: Scenarios

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Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.7	0.9	0.9	1	0.8	0.9	1	1.2	1.1	0.9	1	1.5	2.6
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	-0.06	-0.07	-0.07	-0.09	-0.06	-0.07	-0.09	-0.1	-0.1	-0.07	-0.09	-0.2	-0.4
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.04



Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.08	0.7	0.7	1.4	0.07	0.7	1.4	3.2	2.2	0.7	1.4	4.3	1.7	U.08 2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	n		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%) Data based on national levels due to	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	21.4

unavailability in the selected region

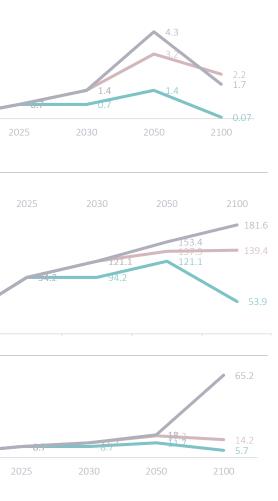
Expected damage from tropical cyclones (p.a. in%)

Data based on national levels due to unavailability in the selected region

2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
	2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	J./
3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	2020



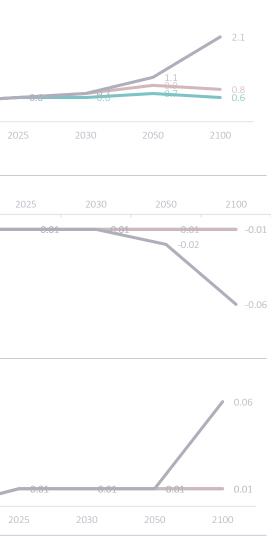
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Climate Hazards							Scena	rio an	alysis					
	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitic	n		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.8	0.6	0.7	1.1	2.1	2020
										1				1
Labor	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitic	n		NGFS Curr	ent Policies		2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.06	
Land fraction	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitic	n		NGFS Curr	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	2020

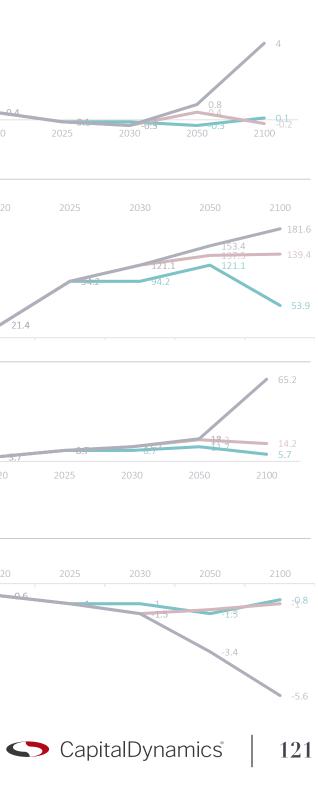


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Clean Energy– Physical climate risk scenario analysis – Asset: Crockandun (onshore wind) (continued)

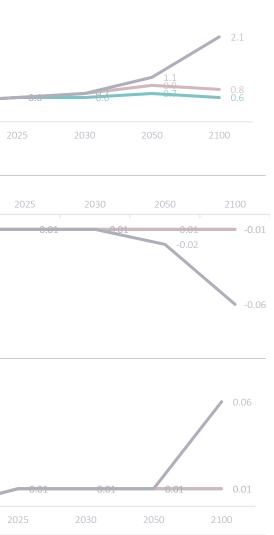
limate Hazards						S	cenar	rio an	alysis					
	2020 Value	Ν	GFS Net Zei	o 2050		NG	FS Delaye	d transitio	n		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	-0.1	-0.1	-0.3	0.1	-0.1	-0.3	0.4	-0.2	-0.1	-0.3	0.8	4	2020
	2020 Val	Je	NGFS Ne	Zero 205	50		NGFS Dela	yed transit	ion		NGFS Curr	ent Policies	5	202
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
ata based on national levels due to navailability in the selected region							1				1			
	2020 Val	10		Zero 205	50			yed transit	ion		NGFS Curr	ant Daliaia		
	2020 Val	Je	NGFS NE				NGF3 Dela	yeu transn	.1011		NGI 5 Cull	ent Policies	5	1
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Expected damage from tropical cyclones (p.a. in%)	3.7									2025 8.7				2020
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100		2030	2050	2100	2020
Expected damage from tropical cyclones (p.a. in%) Data based on national levels due to navailability in the selected region		8.7	2030	2050	2100	8.7	2030	2050	2100	8.7	2030	2050	2100 65.2	202
Expected damage from tropical cyclones (p.a. in%)	3.7	8.7	2030 8.7	2050	2100 5.7 50	8.7	2030	2050	2100	8.7	2030	2050	2100 65.2	2020



Mean air temperature (c) NGFS Net Zero 2050 NGFS Delayed transition NGFS Current Policies 2020 2030 2050 2100 2025 2030 2050 2100 <t< th=""><th>Climate Hazards</th><th></th><th></th><th></th><th></th><th></th><th></th><th>Scena</th><th>rio an</th><th>alysis</th><th></th><th></th><th></th><th></th><th></th></t<>	Climate Hazards							Scena	rio an	alysis					
temperature (*C) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 210				NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	n		NGFS Curr	ent Policies		
Labor 2020 NGFS Net Zero 2050 NGFS Delayed transition NGFS Current Policies 2020 Labor 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2005 2005 2005 2005 2005 2005 2005 2005 2005 2005 2005 2005 2005			2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Labor productivity due to heat stress (pp) $NGFS Net Zero 2050$ $NGFS Delayed transition$ $NGFS Current Policies$ 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 -0.01 <		0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.8	0.6	0.7	1.1	2.1	2020 2
Labor productivity due to heat stress (pp) 2020 ValueNGFS Net Zero 2050NGFS Delayed transitionNGFS Current Policies 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 -0.01 <th></th> <td></td> <td></td> <td></td> <td>0</td> <td>•</td> <td></td> <td>•</td> <td></td> <td>2</td> <td>-</td> <td></td> <td>•</td> <td></td> <td></td>					0	•		•		2	-		•		
productivity due to heat stress (pp) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2050 2100 2050 2050 2100 205	Labor			NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitio	n		NGFS Curr	ent Policies		I
Land fraction 2020 Value NGFS Net Zero 2050 NGFS Delayed transition NGFS Current Policies	productivity due to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Land fraction Value NGFS Net Zero 2050 NGFS Delayed transition NGFS Current Policies annually exposed to Image: Second seco		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.06	
				NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitio	n		NGFS Curr	ent Policies		
			2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
0 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.		0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0 2020

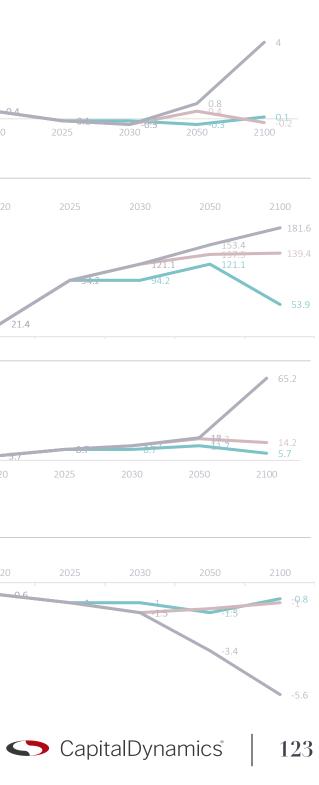


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Clean Energy– Physical climate risk scenario analysis – Asset: Seegronan (onshore wind) (continued)

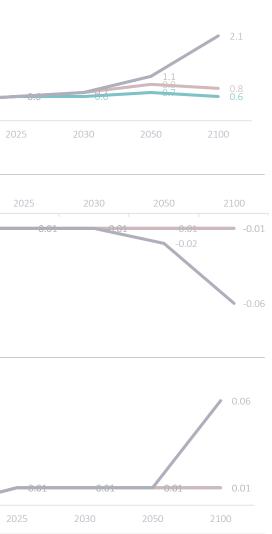
						5	cciial	io all	alysis					
	2020 Value	NC	GFS Net Zer	o 2050		NG	FS Delayed	transitio	ı		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030 2	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	-0.1	-0.1	-0.3	0.1	-0.1	-0.3	0.4	-0.2	-0.1	-0.3	0.8	4	2020
	2020 Value	2	NGFS Net	Zero 205	0	1	NGFS Delay	ved transit	ion		NGFS Curr	rent Policies	s	202
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
ata based on national levels due to navailability in the selected region		1		1			1				1			
	2020 Value	2	NGFS Net	Zero 205	0	1	NGFS Delay	ved transit	ion		NGFS Curr	rent Policies	S	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
from tropical cyclones (p.a. in%)	3.7	2025 8.7	2030 8.7	2050	2100	2025 8.7	2030	2050	2100	2025 8.7	2030	2050	2100 65.2	2020
from tropical cyclones (p.a. in%)	3.7													202
from tropical cyclones (p.a. in%) ata based on national levels due to navailability in the selected region	3.7 2020 Value	8.7		11.7	5.7	8.7		17.2	14.2	8.7	11.7		65.2	202
from tropical cyclones (p.a. in%) ata based on national levels due to navailability in the selected region		8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	202



Climate Hazards							Scena	rio an	alysis					
	2020 Value		NGFS Net	Zero 2050		1	NGFS Delay	ed transitic	n		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.8	0.6	0.7	1.1	2.1	2020
														1
Labor	2020 Value		NGFS Net	Zero 2050		٢	NGFS Delay	ed transitic	n		NGFS Curr	ent Policies		2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.06	
Land fraction	2020 Value		NGFS Net	Zero 2050		ľ	NGFS Delay	ed transitic	n		NGFS Curr	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	2020

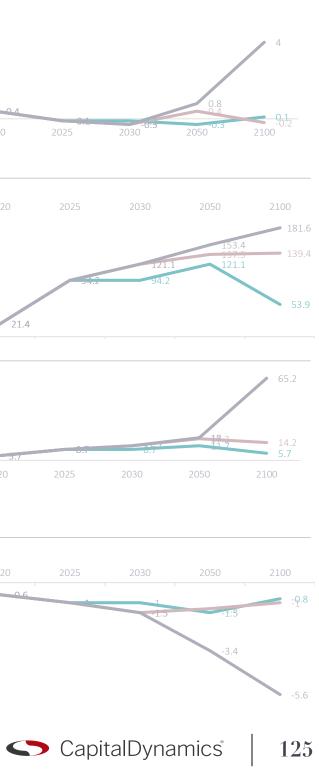


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Clean Energy– Physical climate risk scenario analysis – Asset: Tyrone (onshore wind) (continued)

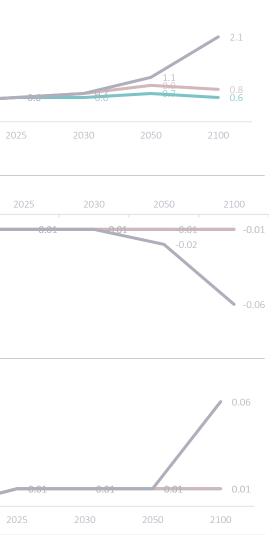
limate Hazards						S	cenar	rio an	alysis					
	2020 Value	N	iFS Net Zer	o 2050		NG	FS Delayed	d transitio	٦		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	-0.1	-0.1	-0.3	0.1	-0.1	-0.3	0.4	-0.2	-0.1	-0.3	0.8	4	202
	2020 Valu	e	NGFS Net	Zero 2050	0		IGFS Delay	/ed transit	ion		NGFS Curr	rent Policies	S	20
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
Data based on national levels due to Inavailability in the selected region														ſ
	2020 Valu	e	NGFS Net	Zero 2050	C	1	IGFS Delay	/ed transit	ion		NGFS Curr	rent Policies	S	
Expected damage from tropical cvclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
from tropical cyclones (p.a. in%)	3.7	2025 8.7	2030 8.7	2050	2100	2025 8.7	2030	2050	2100	2025 8.7	2030	2050 28	2100 65.2	202
from tropical cyclones (p.a. in%)	3.7													202
from tropical cyclones (p.a. in%) Data based on national levels due to unavailability in the selected region	3.7 2020 Valu	8.7		11.7	5.7	8.7	11.7		14.2	8.7	11.7		65.2	202
from tropical cyclones (p.a. in%) Data based on national levels due to unavailability in the selected region		8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	202



Climate Hazards							Scena	rio an	alysis					
(5)	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	n		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.8	0.6	0.7	1.1	2.1	2020
		1				1				1				
Labor	2020 Value		NGFS Net	Zero 2050		1	IGFS Delay	ed transitio	'n		NGFS Curr	ent Policies		2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.06	
Land fraction	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delay	ed transitio	n		NGFS Curr	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	2020

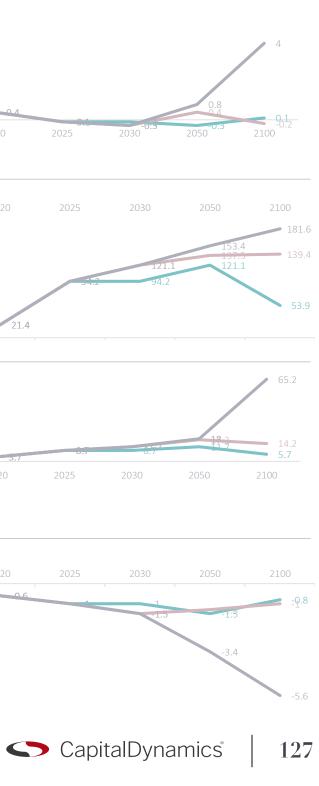


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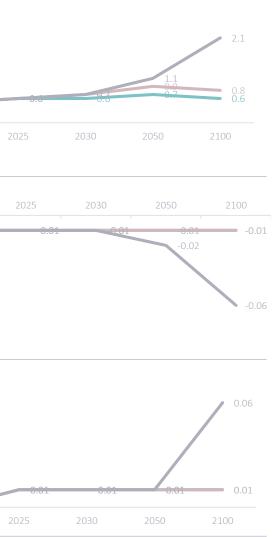
Clean Energy– Physical climate risk scenario analysis – Asset: Antrim (onshore wind) (continued)

limate Hazards						S	cenar	rio an	alysis					
	2020 Value	N	iFS Net Zer	o 2050		NG	FS Delayed	d transitio	٦		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	-0.1	-0.1	-0.3	0.1	-0.1	-0.3	0.4	-0.2	-0.1	-0.3	0.8	4	202
	2020 Valu	e	NGFS Net	Zero 2050	0		IGFS Delay	/ed transit	ion		NGFS Curr	rent Policies	S	20
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	
Data based on national levels due to Inavailability in the selected region														ſ
	2020 Valu	e	NGFS Net	Zero 2050	C	1	IGFS Delay	/ed transit	ion		NGFS Curr	rent Policies	S	
Expected damage from tropical cvclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
from tropical cyclones (p.a. in%)	3.7	2025 8.7	2030 8.7	2050	2100	2025 8.7	2030	2050	2100	2025 8.7	2030	2050 28	2100 65.2	202
from tropical cyclones (p.a. in%)	3.7													202
from tropical cyclones (p.a. in%) Data based on national levels due to unavailability in the selected region	3.7 2020 Valu	8.7		11.7	5.7	8.7	11.7		14.2	8.7	11.7		65.2	202
from tropical cyclones (p.a. in%) Data based on national levels due to unavailability in the selected region		8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	202



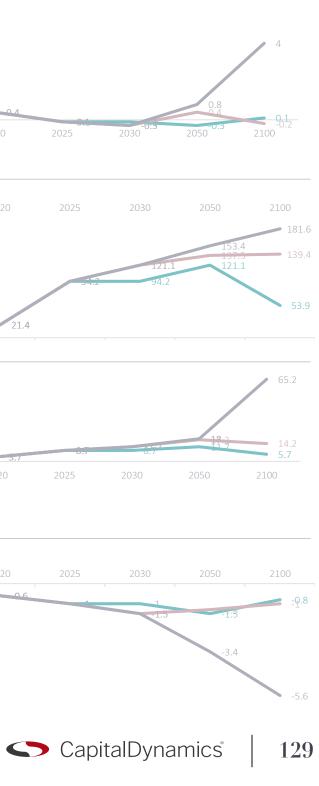
Climate Hazards							Scena	rio an	alysis					
	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delaye	ed transitio	n		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	10
	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.9	0.8	0.6	0.7	1.1	2.1	2020 2
														•
Labor	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delaye	ed transitio	n		NGFS Curr	ent Policies		2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.06	
Land fraction	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delaye	ed transitio	n		NGFS Curr	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	2020 2

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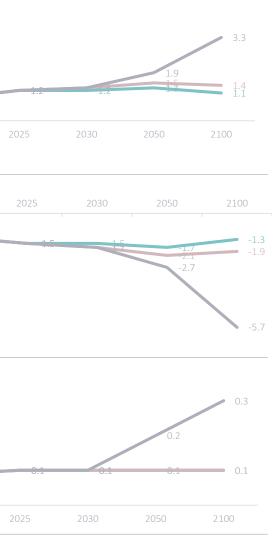
Clean Energy– Physical climate risk scenario analysis – Asset: Castlegore (onshore wind) (continued)

limate Hazards						S	cenar	rio an	alysis					
	2020 Value	NC	GFS Net Zer	o 2050		NG	FS Delayed	d transitio	٦		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	-0.1	-0.1	-0.3	0.1	-0.1	-0.3	0.4	-0.2	-0.1	-0.3	0.8	4	202
	2020 Valu	ıe	NGFS Net	Zero 205	0	1	IGFS Delay	yed transit	ion		NGFS Curr	ent Policies	S	20
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	d
ata based on national levels due to														
inavailability in the selected region						·					-	·	•	4
	2020 Valu	ıe	NGFS Net	Zero 205	0	1	IGFS Delay	yed transit	ion		NGFS Curr	ent Policies	5	1
Expected damage from tropical	2020 Valu	ue 2025	NGFS Net	Zero 205	0 2100	2025	IGFS Delay 2030	yed transit	ion 2100	2025	NGFS Curr 2030	ent Policies	s 2100	
Expected damage from tropical cyclones (p.a. in%)	2020 Valu 3.7													202
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	202
Expected damage from tropical cyclones (p.a. in%) Data based on national levels due to unavailability in the selected region		8.7	2030	2050	2100	8.7	2030	2050	2100	2025 8.7	2030	2050	2100	202
Expected damage from tropical cyclones (p.a. in%)	3.7	8.7	2030 8.7	2050	2100	8.7	2030	2050	2100	2025 8.7	2030	2050 28	2100	202



Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.9
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020



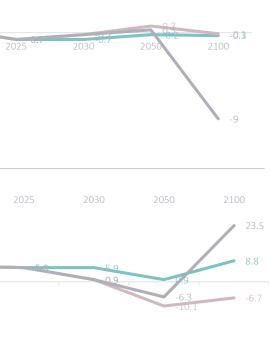
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	_
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	
Data based on national levels due to unavailability in the selected region				1			Į				1	ļ		
	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
			1								1			

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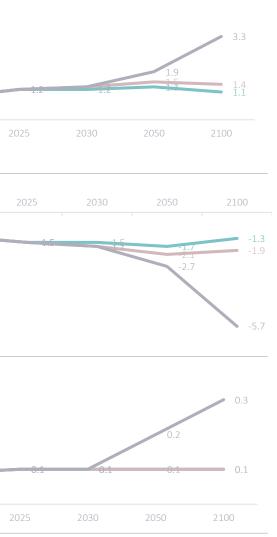


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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	-





Scenario analysis

No data

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	-0.4
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020 2
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	- <u>6.6</u>
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	r í
Data based on national levels due to unavailability in the selected region					1						1			
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No dat Climate selecte

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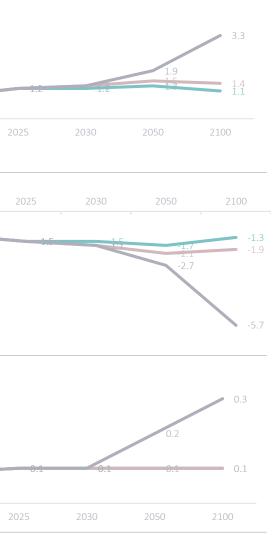
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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1 2
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020



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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	-04
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
								1				1		1
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	- 6.6
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	1
unavailability in the selected region			1	1	1		1	1	<u></u>	1	1	1	<u></u>	l
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No da Clima selec

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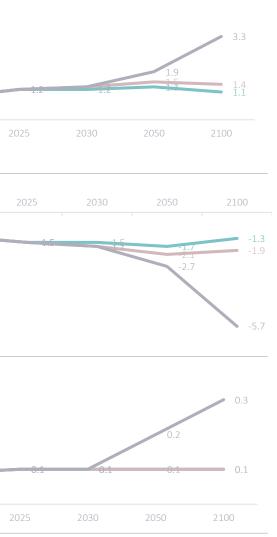


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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	5.0
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	12
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020



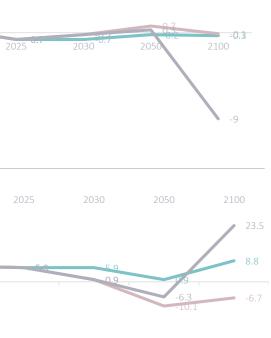


Scenario analysis

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	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
			°	-	2	2			•	0			-	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	_
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	r
unavailability in the selected region	L		1		1					1		1		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100) (

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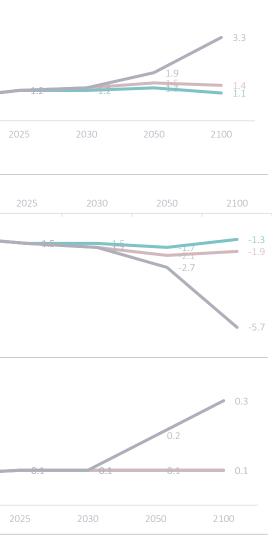
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No data currently available in the Climate Impact Explorer tool for the selected indicator in this region

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.9
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020

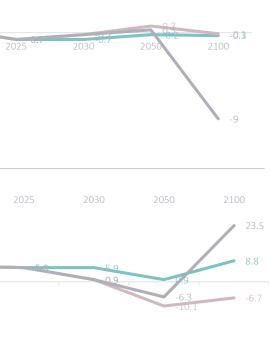


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
								•	•					·
	2020 Value		NGFS Net	Zero 2050	-	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	_
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	Г Г
Data based on national levels due to unavailability in the selected region							1							1
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	(

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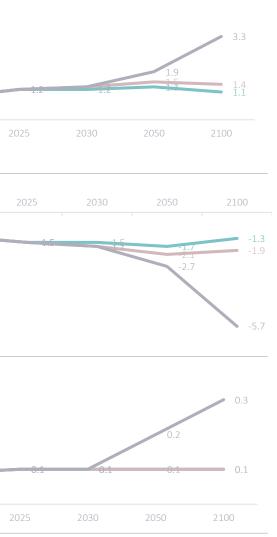


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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	v.3
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020





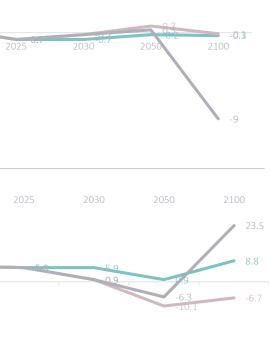
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	0.4
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
	2020.1/1			7 2050										2020
\sim	2020 Value		NGFS Net	Zero 2050		IN IN	GFS Delay	ed transitio	on 		NGFS Curr	ent Policies	S	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	6.6
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	
unavailability in the selected region				1										
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No c Clim

cyclones (p.a. in%)

						,							No
	2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No c Clim sele
No data						No	data						



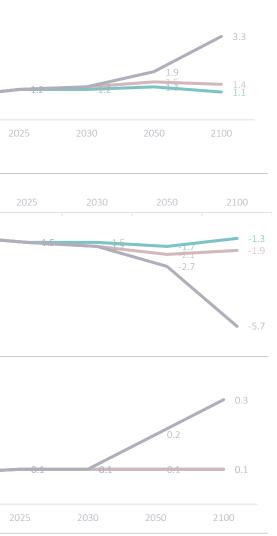


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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	5.0
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.5	1.4	1.2	1.3	1.9	3.3	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	12
	-1.2	-1.5	-1.5	-1.7	-1.3	-1.5	-1.7	-2.1	-1.9	-1.5	-1.7	-2.7	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on					
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	2020



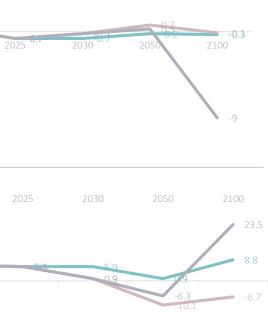


Scenario analysis

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		_												
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				0.4
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020 2
	0.4	-0.7	-0.7	-0.2	-0.3	-0.7	-0.2	0.7	-0.1	-0.7	-0.2	0.3	-9	
	L		1					1						
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	6.6
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	
unavailability in the selected region		1	1					1				1		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on					
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No dat Climat selecte

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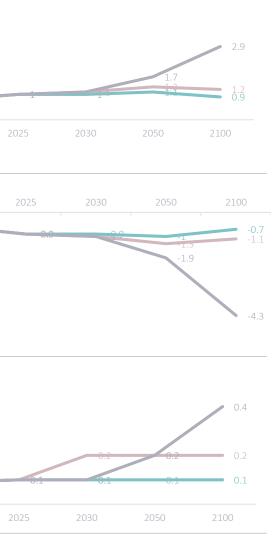


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Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on	NGFS Current Policies				
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.8	1	1	1.1	0.9	1	1.1	1.3	1.2	1	1.1	1.7	2.9	20
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.6	-0.9	-0.9	-1	-0.7	-0.9	-1	-1.3	-1.1	-0.9	-1	-1.9	-4.3	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.4	20





Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	20 zu 2.1 - 2 0
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-2.4	-3.6	-3.6	-4.1	-3.4	-3.6	-4.1	-6	-5	-3.6	-4.1	-10.8	-19.8	
	2020 Value		NGFS Net	Zoro 2050			GES Dolou	ed transitio				ent Policies		2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	
a based on national levels due to vailability in the selected region			1	1	1						1	Į		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Expected damage from tropical yclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No data Climate selecte
	No data						No	data						

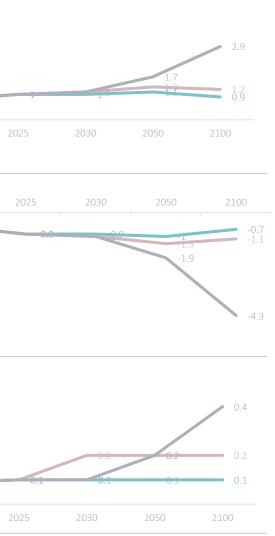


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Scenario analysis

(4)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.8	1	1	1.1	0.9	1	1.1	1.3	1.2	1	1.1	1.7	2.9
							<u></u>						
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	-0.6	-0.9	-0.9	-1	-0.7	-0.9	-1	-1.3	-1.1	-0.9	-1	-1.9	-4.3
				7 2050				1					
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on 		NGFS Curr	ent Policies	5
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.09	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.4





Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020 2.4
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-2.4	-3.6	-3.6	-4.1	-3.4	-3.6	-4.1	-6	-5	-3.6	-4.1	-10.8	-19.8	
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Expected damage	2020 Value	2025	NGFS Net	Zero 2050 2050	2100	2025	GFS Delay	ed transitio	2100	2025	NGFS Curr 2030	ent Policies	2100	2020
from river floods (p.a. in%)														-6.6-
	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	
Data based on national levels due to unavailability in the selected region				1				1						l
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	

Expected damage from tropical cyclones (p.a. in%)

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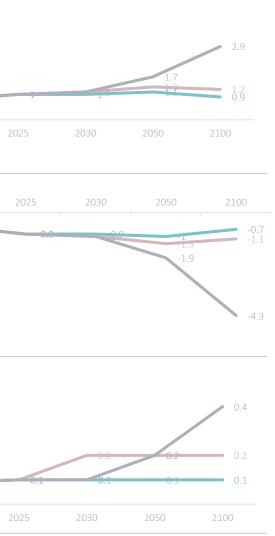




Scenario analysis

Mean air temperature (°C)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.8	1	1	1.1	0.9	1	1.1	1.3	1.2	1	1.1	1.7	2.9	
	2020 Value		NGES Not	Zero 2050	°		GES Dolov	ed transitio				ent Policies		
Labor productivity due to heat stress (pp)														
		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.6	-0.9	-0.9	-1	-0.7	-0.9	-1	-1.3	-1.1	-0.9	-1	-1.9	-4.3	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.09	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.4	





Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020-2.4
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-2.4	-3.6	-3.6	-4.1	-3.4	-3.6	-4.1	-6	-5	-3.6	-4.1	-10.8	-19.8	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	C.C

Data based on national levels due to unavailability in the selected region

Expected damage from tropical cyclones (p.a. in%)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	No dota
		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No data Climate selecteo
	No data						No	data						

5.9

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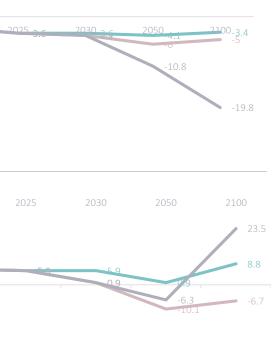
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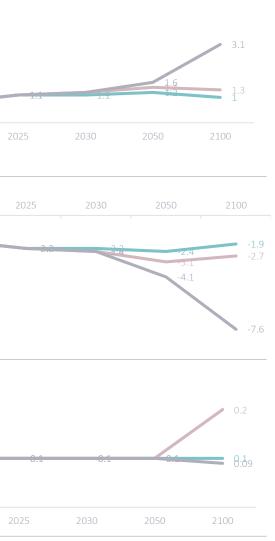


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Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.8	1.1	1.1	1.2	1	1.1	1.2	1.4	1.3	1.1	1.2	1.6	3.1	2020
				1	<u></u>		1					1		202
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	202
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.7	-2.2	-2.2	-2.4	-1.9	-2.2	-2.4	-3.1	-2.7	-2.2	-2.4	-4.1	-7.6	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	_
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.09	1



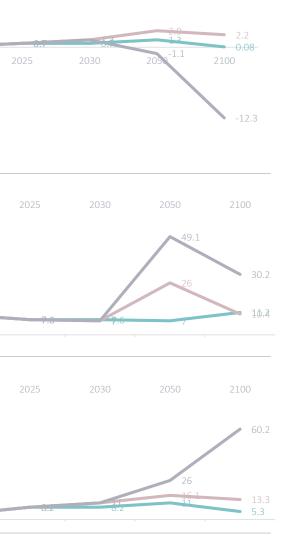


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	- 0.2
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	0.2	0.7	0.7	1.3	0.08	0.7	1.3	2.9	2.2	0.7	1.3	-1.1	-12.3	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies		2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%) Data based on national levels due to	10.1	7.6	7.6	7	11.2	7.6	7	26	10.4	7.6	7	49.1	30.2	-10.1
unavailability in the selected region														

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	2020
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Data based on national levels due to unavailability in the selected region	3.5	8.2	8.2	11	5.3	8.2	11	16.1	13.3	8.2	11	26	60.2	



Climate Hazards						S	cenar	io ana	lysis					
(5)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1	1.2	1.3	1.5	1.4	1.2	1.3	1.8	3.4	
														1
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
productivity due to														

2100

2025

2030

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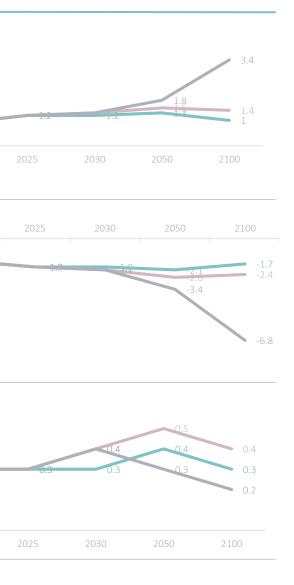
heat stress (pp)

-1.5 -1.9 -1.9 -2.1 -1.7 -1.9 -2.1 -2.6 -2.4 -1.9 -2.1 -3.4 -6.8 NGFS Net Zero 2050 NGFS Delayed transition NGFS Current Policies 2020 Value Land fraction annually exposed to wildfires (pp) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 0.3 0.3 0.3 0.3 0.4 0.3 0.4 0.5 0.4 0.3 0.4 0.3 0.2

2025

2030

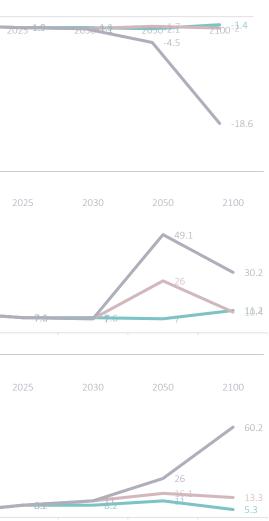
2050



Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	2020 1.5 20
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.5	-1.9	-1.9	-2.1	-1.4	-1.9	-2.1	-1.7	-2	-1.9	-2.1	-4.5	-18.6	
														1
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020 2
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	10.1	7.6	7.6	7	11.2	7.6	7	26	10.4	7.6	7	49.1	30.2	10.1
ata based on national levels due to navailability in the selected region														
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020 2
Expected damage from tropical syclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	3.5	8.2	8.2	11	5.3	8.2	11	16.1	13.3	8.2	11	26	60.2	
Data based on national levels due to unavailability in the selected region														- 3.3

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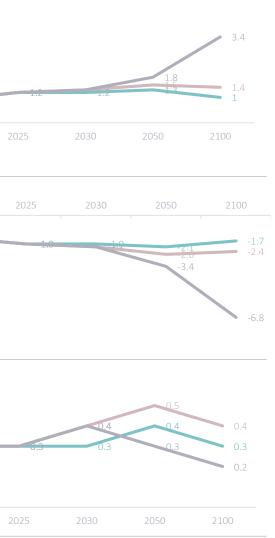




Scenario analysis

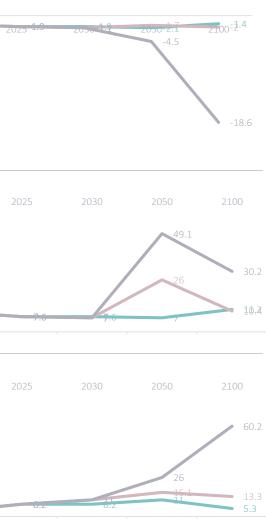
(5)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	v. 3
	0.9	1.2	1.2	1.3	1	1.2	1.3	1.5	1.4	1.2	1.3	1.8	3.4	2020 2
														2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies		1 5
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.5	-1.9	-1.9	-2.1	-1.7	-1.9	-2.1	-2.6	-2.4	-1.9	-2.1	-3.4	-6.8	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.9
	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.5	0.4	0.3	0.4	0.3	0.2	2020





Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	;	2020 1.5
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.5	-1.9	-1.9	-2.1	-1.4	-1.9	-2.1	-1.7	-2	-1.9	-2.1	-4.5	-18.6	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curr	ent Policies	;	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	10.1	7.6	7.6	7	11.2	7.6	7	26	10.4	7.6	7	49.1	30.2	10.1
availability in the selected region	<u></u>						·							
				Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	;	2020
	2020 Value		NOISNEL	2010 2050										
Expected damage from tropical cyclones (p.a. in%)	2020 Value	2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	

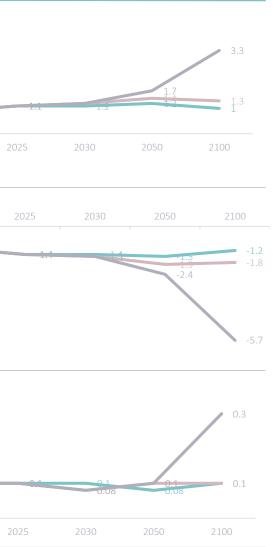
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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.9
	0.9	1.1	1.1	1.2	1	1.1	1.2	1.4	1.3	1.1	1.2	1.7	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.1	-1.4	-1.4	-1.5	-1.2	-1.4	-1.5	-1.9	-1.8	-1.4	-1.5	-2.4	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.1
	0.1	0.1	0.1	0.08	0.1	0.1	0.08	0.1	0.1	0.1	0.08	0.1	0.3	2020





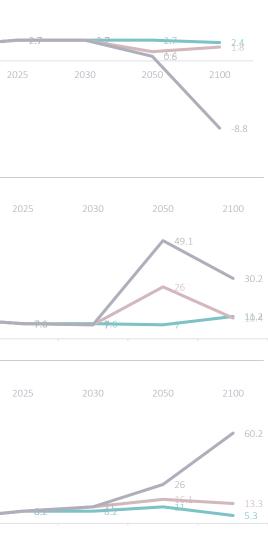
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	-2	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020	2
	2	2.7	2.7	2.7	2.4	2.7	2.7	1.2	1.8	2.7	2.7	0.6	-8.8		

		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
10.1 7.6 7.6 7 11.2 7.6 7 26 10.4 7.6 7 49.1 30.2	from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	(p.a. m%) Data based on national levels due to	10.1	7.6	7.6	7	11.2	7.6	7	26	10.4	7.6	7	49.1	30.2	-10.1

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Data based on national levels due to unavailability in the selected region	3.5	8.2	8.2	11	5.3	8.2	11	16.1	13.3	8.2	11	26	60.2	

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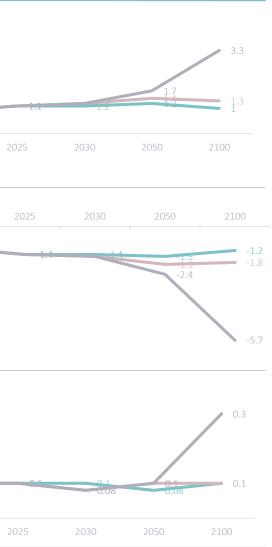


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.1	1.1	1.2	1	1.1	1.2	1.4	1.3	1.1	1.2	1.7	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.1	-1.4	-1.4	-1.5	-1.2	-1.4	-1.5	-1.9	-1.8	-1.4	-1.5	-2.4	-5.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.1
	0.1	0.1	0.1	0.08	0.1	0.1	0.08	0.1	0.1	0.1	0.08	0.1	0.3	2020



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Clean Energy– Physical climate risk scenario analysis – Asset: Fuerzas Energéticas del Sur de Europa, S.L.U. (Project Calamocha) (Solar PV) (continued)

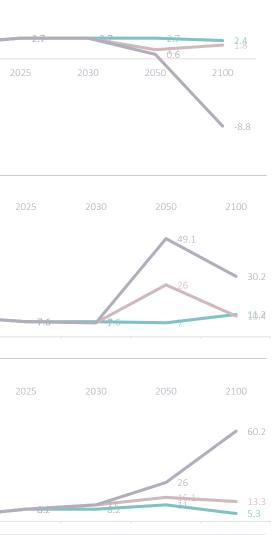
Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
	2	2.7	2.7	2.7	2.4	2.7	2.7	1.2	1.8	2.7	2.7	0.6	-8.8	

Expected damage from river floods (p.a. in%) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2025 2030 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2010 2025 2030 2050 2100 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2030 2050 2100 2050 2100 2050 2030 2050 2100 2050 2100 2050 2030 2050 2100 2050		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
	from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
Data based on national levels due to		10.1	7.6	7.6	7	11.2	7.6	7	26	10.4	7.6	7	49.1	30.2	10.1

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policie:	5
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
Data based on national levels due to	3.5	8.2	8.2	11	5.3	8.2	11	16.1	13.3	8.2	11	26	60.2



Physical climate risk assessment

Mid-Market Credit I



Mid-Market Credit I – Physical climate risk scenario analysis - Colorado

Climate Hazards

Scenario analysis

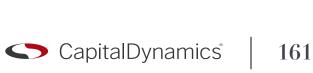
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	0.9	0.9	1.1	0.8	0.9	1.1	1.4	1.3	0.9	1.1	1.8	3.6	2020

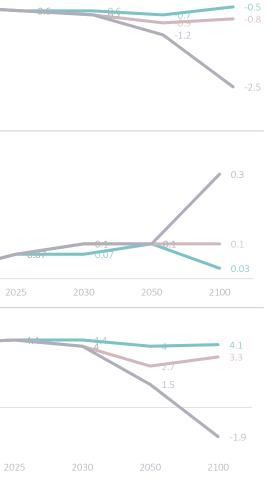
	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-0.5
	-0.5	-0.6	-0.6	-0.7	-0.5	-0.6	-0.7	-0.9	-0.8	-0.6	-0.7	-1.2	-2.5	

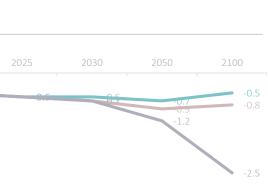
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.07	0.07	0.1	0.03	0.07	0.1	0.1	0.1	0.07	0.1	0.1	0.3	

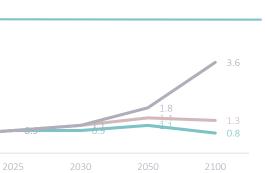
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	วท		NGFS Curre	ent Policies	5	4.2
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	4.2	4.4	4.4	4	4.1	4.4	4	2.7	3.3	4.4	4	1.5	-1.9	2020











Mid-Market Credit I – Physical climate risk scenario analysis - Florida

Climate Hazards

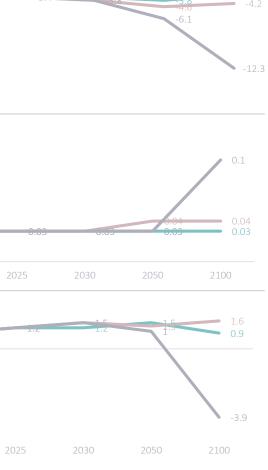
Scenario analysis

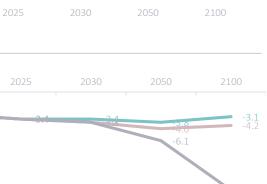
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	1	1	1.1	0.8	1	1.1	1.3	1.2	1	1.1	1.6	2.9	2020
]
(3)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	20
Labor productivit, due to heat stress (pp)	2020 Value	2025	NGFS Net	Zero 2050 2050	2100	N 2025	GFS Delayo 2030	ed transitio	on 2100	2025	NGFS Curr 2030	ent Policies 2050	2100	20

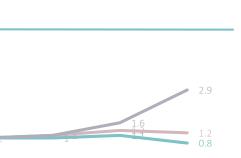
Land fraction 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2025 2030 2030 2050 2100 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100			2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
	annually	y exposed to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03			0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.1	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	0.9
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.5	0.9	1.2	1.5	1.3	1.6	1.2	1.5	1	-3.9	2020









Mid-Market Credit I – Physical climate risk scenario analysis - Illinois

Climate Hazards

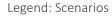
Scenario analysis

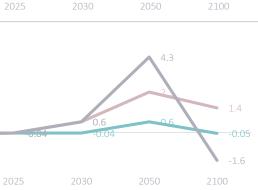
(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		1 1	1 2	1 2	1 /	1.2	1 2	1.4	1 7	1.0	1	1	2	Δ	
		1.1	1.3	1.3	1.4	1.2	1.3	1.4	1./	1.6			Z	4	2020

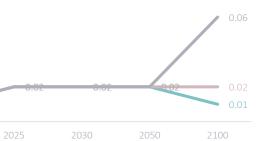
			NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1.0
	-1.9	-2.3	-2.3	-2.6	-2.1	-2.3	-2.6	-3.2	-2.9	-2.3	-2.6	-4.3	-8.7	

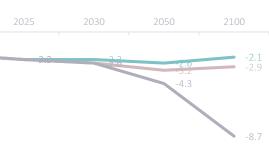
	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	S
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.06

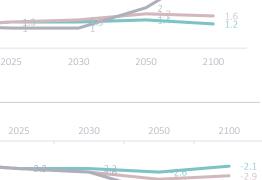
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.07	-0.04	-0.04	0.6	-0.05	-0.04	0.6	2.3	1.4	-0.04	0.6	4.3	-1.6	2020











Mid-Market Credit I – Physical climate risk scenario analysis - North Carolina

Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1 1	1 1	1.2	1	1.1	1.2	1.4	1.3	1 1	12	1.8	3.3	0.9
	0.5		1.1	1.2		±.Ŧ	1.2		1.5	1.1	1.2	1.0	5.5	2020

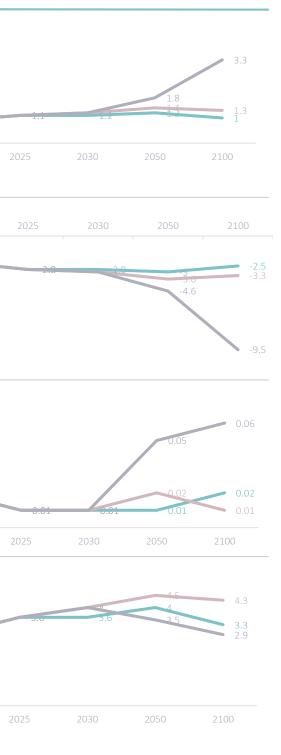
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	2020
Labor productivit, due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.2
	-2.2	-2.8	-2.8	-3	-2.5	-2.8	-3	-3.6	-3.3	-2.8	-3	-4.6	-9.5	

Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.05	0.06	0.02
														2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	ิวท		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.9
	2.9	3.6	3.6	4	3.3	3.6	4	4.5	4.3	3.6	4	3.5	2.9	2020



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Mid-Market Credit I – Physical climate risk scenario analysis - California

Climate Hazards

Scenario analysis

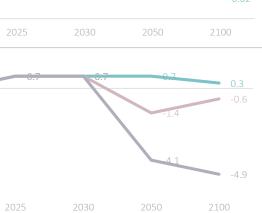
0		2020 Value		NGFS Net Zero 2050				GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.7	1	1	1.1	0.9	1	1.1	1.4	1.2	1	1.1	1.7	3.2	2020

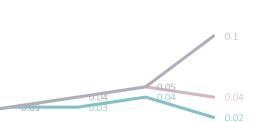
(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
	Labor oductivity due to eat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1 1
	caroness (pp)	-1.1	-1.4	-1.4	-1.5	-1.2	-1.4	-1.5	-1.9	-1.7	-1.4	-1.5	-2.3	-4.7	

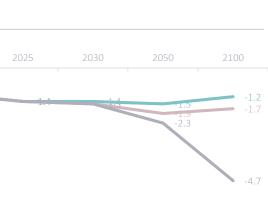
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	S	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.03	0.03	0.04	0.02	0.03	0.04	0.05	0.04	0.03	0.04	0.05	0.1	

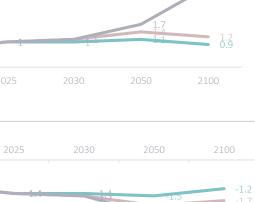
(2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5 -	-0.1
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		-0.1	0.7	0.7	0.7	0.3	0.7	0.7	-1.4	-0.6	0.7	0.7	-4.1	-4.9	2020











Mid-Market Credit I – Physical climate risk scenario analysis - Washington

Climate Hazards

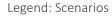
Scenario analysis

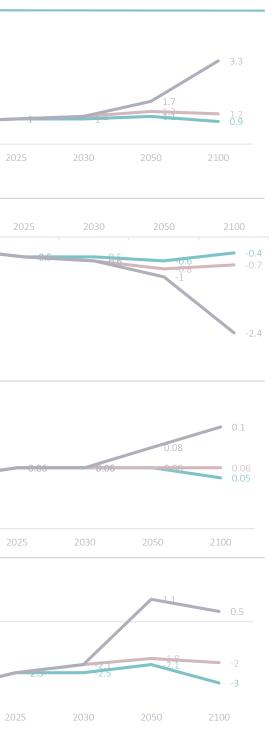
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.9	1	1	1.1	0.9	1	1.1	1.3	1.2	1	1.1	1.7	3.3

(6)	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivit, due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.3	-0.5	-0.5	-0.6	-0.4	-0.5	-0.6	-0.8	-0.7	-0.5	-0.6	-1	-2.4	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.05
	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.1	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-3.3	-2.5	-2.5	-2.1	-3	-2.5	-2.1	-1.8	-2	-2.5	-2.1	1.1	0.5	-3.3 2020





Mid-Market Credit I – Physical climate risk scenario analysis - Ohio

Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
Mean air nperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1	1.3	1.3	1.4	1.1	1.3	1.4	1.7	1.6	1	1	2	4	
														2020

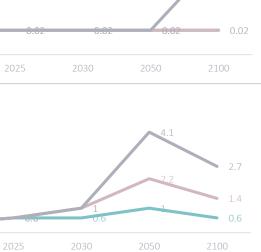
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-16
neur stress (pp)	-1.6	-1.9	-1.9	-2.2	-1.7	-1.9	-2.2	-2.8	-2.4	-1.9	-2.2	-3.8	-7.7	

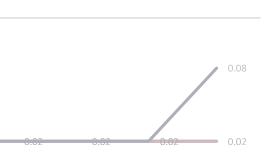
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.08	

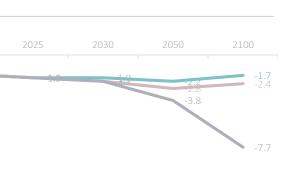
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curr	ent Policie:	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.4	0.6	0.6	1	0.6	0.6	1	2.2	1.4	0.6	1	4.1	2.7	2020

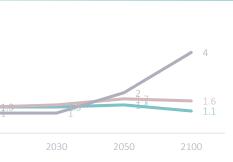












Mid-Market Credit I – Physical climate risk scenario analysis – New York

Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.4	1.1	1.2	1.4	1.7	1.6	1	1	2	4	2020

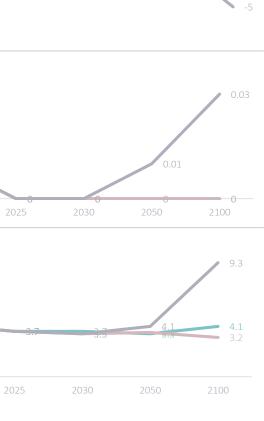
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivit, due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	- 0.0
	-0.9	-1.1	-1.1	-1.3	-1	-1.1	-1.3	-1.7	-1.5	-1.1	-1.3	-2.2	-5	

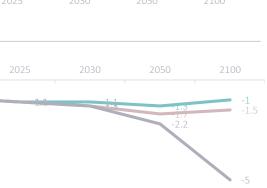
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0	0	0	0	0	0	0	0	0	0	0.01	0.03	

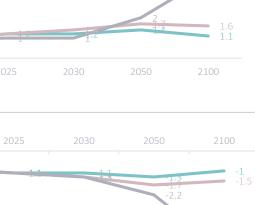
(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitic	n		NGFS Curre	ent Policies	;	
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-1.2
		4.2	3.7	3.7	3.5	4.1	3.7	3.5	3.6	3.2	3.7	3.5	4.1	9.3	











Mid-Market Credit I – Physical climate risk scenario analysis – Massachusetts

Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	S	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.8	1.2	1.2	1.3	1	1.2	1.3	1.6	1.5	1	1	2	4	2020
														2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on 		NGFS Curr	ent Policies	s	1

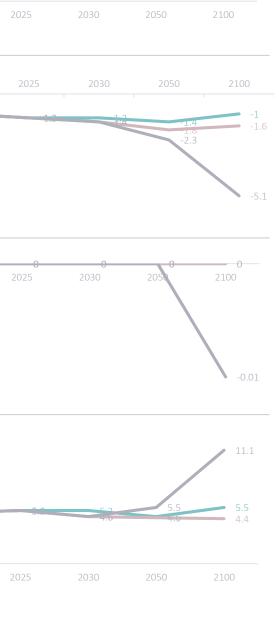
(2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	2020
	Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1
		-1	-1.2	-1.2	-1.4	-1	-1.2	-1.4	-1.8	-1.6	-1.2	-1.4	-2.3	-5.1	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0	0	0	0	0	0	0	0	0	0	0	-0.01	-

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	5	5.2	5.2	4.6	5.5	5.2	4.6	4.5	4.4	5.2	4.6	5.5	11.1	







Mid-Market Credit I – Physical climate risk scenario analysis – Maryland

Climate Hazards

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.0	1.2	1.2	1.2	1.1	1.2	1.2	1.6	1.4	1.2	1.2	2	2.6	0.5
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.6	1.4	1.2	1.3	2	3.6	2020

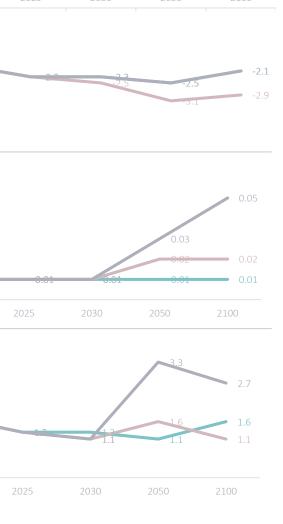
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivit, due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	19
	-1.9	-2.3	-2.3	-2.5	-2.1	-2.3	-2.5	-3.1	-2.9	-2.3	-2.3	-2.5	-2.1	

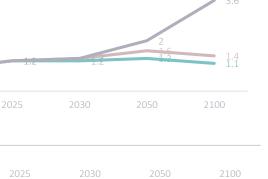
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	6	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.03	0.05	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	025 2030 2050 2100 20			2025	2030	2050	2100	2025	2030	2050	2100	17
	1.7	1.3	1.3	1.1	1.6	1.3	1.1	1.6	1.1	1.3	1.1	3.3	2.7	











Physical climate risk assessment

Mid-Market Direct V



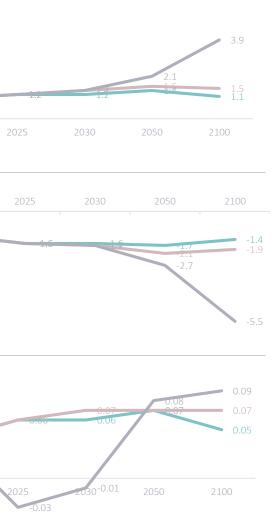
Scenario analysis

					GI S Delay	ed transitic	///		NGF3 CUIT	ent Policies	>	
2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
1 1.2	1.2	1.4	1.1	1.2	1.4	1.6	1.5	1.2	1.4	2.1	3.9	2020
											<u></u>	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	n		NGFS Curre	ent Policies		2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1.2
	-1.2	-1.6	-1.6	-1.7	-1.4	-1.6	-1.7	-2.1	-1.9	-1.6	-1.7	-2.7	-5.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	S	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.0
	0.04	0.06	0.06	0.07	0.05	0.06	0.07	0.07	0.07	-0.03	-0.01	0.08	0.09	2020

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Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policie	5]
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.2
	2.2	2.3	2.3	2.7	2.1	2.3	2.7	3.4	3.1	2.3	2.7	3.6	2.3	2020
			1	1	1				1	1	1	1		
	2020 Value		NGFS Net	Zero 2050	-	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	5	2020
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. m/o)	11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	11.1
	L	1	1	1		1		1				1	1	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policie	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
· · · · · · · · · · · · · · · · · · ·	2.9	6.6	6.6	8.9	4.3	6.6	8.9	13	10.8	6.6	8.9	21	47.9	1





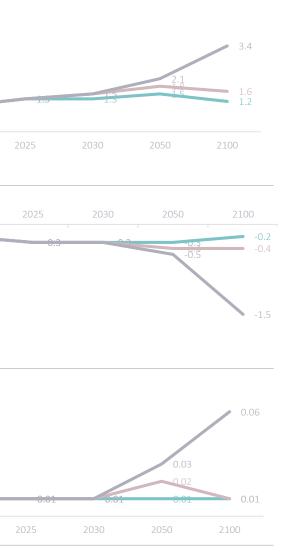
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1	1 0	1 0	1 Г	1.2	1 0	1 Г	1.0	1.0	1 0	1 Г	2.1	2.4	1
		1.3	1.3	1.5	1.2	1.3	1.5	1.8	1.6	1.3	1.5	2.1	3.4	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.2	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.4	-0.4	-0.3	-0.3	-0.5	-1.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.06	
			1		1			1			1			





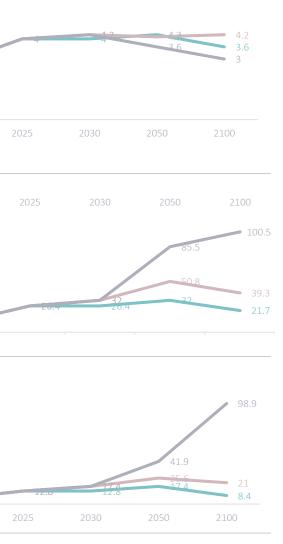
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.8
	2.8	4	4	4.2	3.6	4	4.2	4.1	4.2	4	4.2	3.6	3	
														2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	9.8	26.4	26.4	32	21.7	26.4	32	50.8	39.3	26.4	32	85.5	100.5	9.8

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
cyclones (p.a. in%)	5.5	12.8	12.8	17.4	8.4	12.8	17.4	25.6	21	12.8	17.4	41.9	98.9





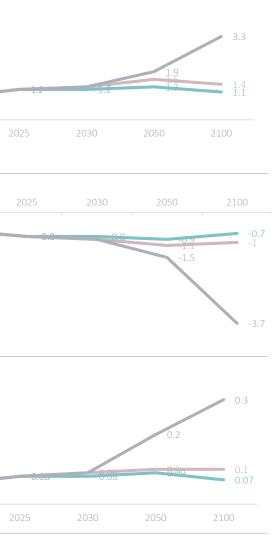
Scenario analysis

(8)	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policie:	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.6	1.4	1.2	1.3	1.9	3.3	2020

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.6	-0.8	-0.8	-0.9	-0.7	-0.8	-0.9	-1.1	-1	-0.8	-0.9	-1.5	-3.7	

wildfires (pp)				NGFS Curre		on	ed transitio	GFS Delaye	N		Zero 2050	NGFS Net		2020 Value	
	50 2100	2050	2050	2030	2025	2100	2050	2030	2025	2100	2050	2030	2025		annually exposed to
0.06 0.08 0.09 0.07 0.08 0.09 0.1 0.1 0.08 0.09	2 0.3	0.2	0.2	0.09	0.08	0.1	0.1	0.09	0.08	0.07	0.09	0.08	0.08	0.06	





Scenario analysis

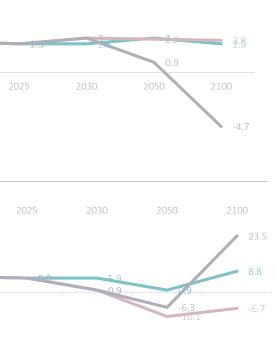
(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	27
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
		2.7	2.5	2.5	3	2.5	2.5	3	2.9	2.8	2.5	3	0.9	-4.7	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	;	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	6.6
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
xpected damage from tropical		2025	2025 2030 2050 2100 20				2030	2050	2100	2025	2030	2050	2100
ones (p.a. in%)	no data				°		no (data		•	<u>.</u>		

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ata currently available in the te Impact Explorer tool for the ted indicator in this region

Scenario analysis

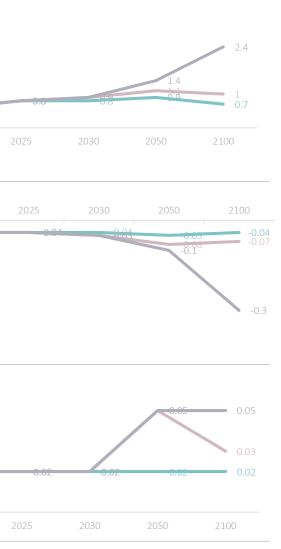
(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.6	0.0	0.0	0.0	0.7	0.0	0.0	1 1	1	0.0	0.0	1.4	2.4	0.0
		0.6	0.8	0.8	0.9	0.7	0.8	0.9	1.1		0.8	0.9	1.4	2.4	2020

	6)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	2020
Labo productivit heat stres	y due to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		-0.04	-0.04	-0.04	-0.05	-0.04	-0.04	-0.05	-0.08	-0.07	-0.04	-0.05	-0.1	-0.3	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	;	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.05	0.05	-0.02
														2020



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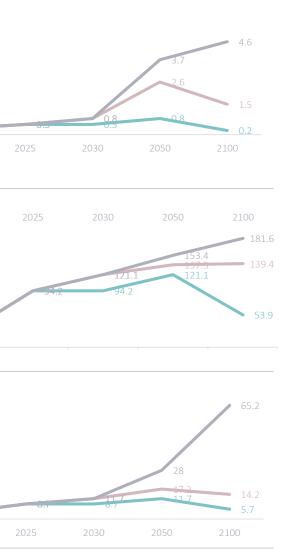


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.3	0.5	0.5	0.8	0.2	0.5	0.8	2.6	1.5	0.5	0.8	3.7	4.6	20
	2020 Value		NGFS Net	Zero 2050		N	GFS Delave	ed transitio	on		NGFS Curr	ent Policies	S	

\sim	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies		2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	21.4

	2020 Value			N	GFS Delay	ed transitio	on	NGFS Current Policies					
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
yciones (p.a. m/o)	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2



Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on					
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1.3	1.6	1.6	1.7	1.5	1.6	1.7	2.1	1.9	1.6	1.7	2.5	4	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.2
	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.3	-0.5	-0.5	-1.4	

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on					
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.03	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.1	0.03
														2020



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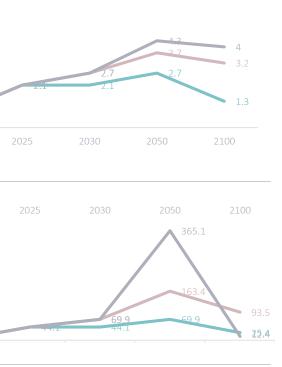
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.7	2.1	2.1	2.7	1.3	2.1	2.7	3.7	3.2	2.1	2.7	4.3	4	0.7
												_		2020

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	2.4	44.1	44.1	69.9	25.4	44.1	69.9	163.4	93.5	44.1	69.9	365.1	12.4	2.4

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curr	ent Policies	5
pected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
nes (p.a. in%)	no data			<u>.</u>			no d	data					





ata currently available in the ite Impact Explorer tool for the ted indicator in this region

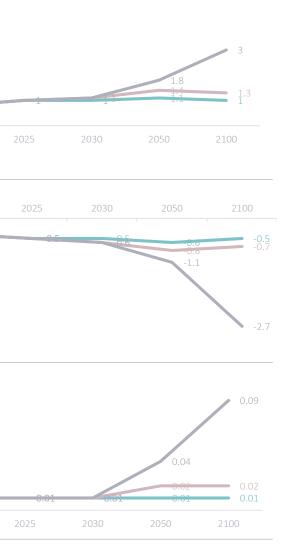
Scenario analysis

6		2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.8	1	1	1 1	1	1	1 1	1.4	1.3	1	1 1	1.8	3	0.0
		0.0	L	1	1.1	Ţ	Ţ	1.1	1.4	1.5	Ţ	1.1	1.0	5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor ctivity due to stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.4	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.5	-0.6	-1.1	-2.7	

Land fraction annually exposed to wildfires (pp) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2010 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2030 2050 2100 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 205	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	'n		NGFS Curr	ent Policie	5
0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.09





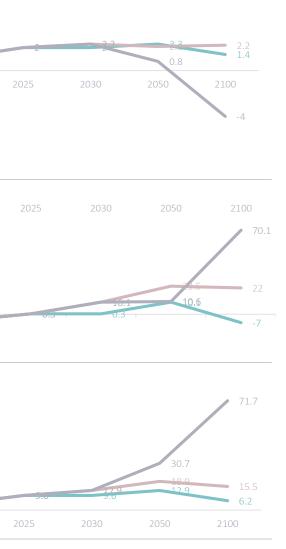
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
		1.1	2	2	2.3	1.4	2	2.3	2.1	2.2	2	2.3	0.8	-4	

\sim	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	-5.3	0.3	0.3	10.1	-7	0.3	10.1	23.5	22	0.3	10.1	10.6	70.1	-5.3

from tropical		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
	Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	cyclones (p.a. in%)	4.1	9.6	9.6	12.9	6.2	9.6	12.9	18.9	15.5	9.6	12.9	30.7	71.7



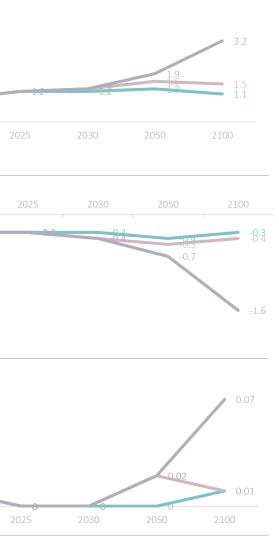


Scenario analysis

(()	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.6	1.5	1.2	1.3	1.9	3.2
				1		1					1		1
(6)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	-0.3	-0.3	-0.3	-0.4	-0.3	-0.3	-0.4	-0.5	-0.4	-0.3	-0.4	-0.7	-1.6
										1			
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Land fraction nnually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.01	0	0	0	0.01	0	0	0.02	0.01	0	0	0.02	0.07



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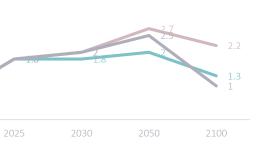
	2020 Value		NGFS Net	Zero 2050	1	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.6	1.8	1.8	2	1.3	1.8	2	2.7	2.2	1.8	2	2.5	1
		1				1							
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	s
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
(p.a. in%)	no data displayed						no data (displayed		·			
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
cyclones (p.a. in%)	81.9	213.7	213.7	298	132.4	213.7	298	499.9	378.8				ed changes ch hint at

Scenario analysis

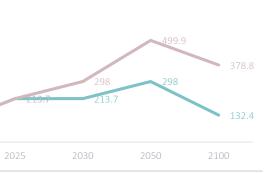


NGFS Net Zero 2050

Climate Hazards



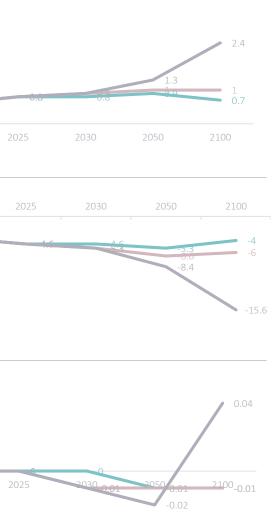
currently displayed in mpact Explorer, as projected attain very high values nt at challenges with the ng data for this indicator and region



Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.6	0.8	0.8	0.9	0.7	0.8	0.9	1	1	0.8	0.9	1.3	2.4	2020
		1	1	1	1	1	1	1	1	1	1	1		
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-3.6	-4.6	-4.6	-5.3	-4	-4.6	-5.3	-6.6	-6	-4.6	-5.3	-8.4	-15.6	
			1	1				1	1		1	1		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0	0	-0.01	-0.01	0	-0.01	-0.01	-0.01	0	-0.01	-0.02	0.04	2020





Climate Hazards						S	cenar	io ana	lysis				
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	
	4.4	6	6	5.4	5.7	6	5.4	4.6	4.7	6	5.4	4.8	

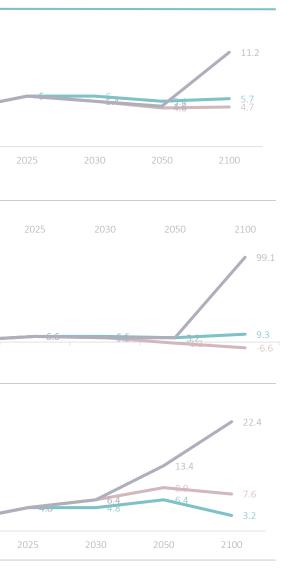
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	2	6.6	6.6	5.2	9.3	6.6	5.2	-1.3	-6.6	6.6	5.2	5.2	99.1	

	2020 Value		NGFS Net	Zero 2050	1	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
cyclones (p.a. in%)	2.1	4.8	4.8	6.4	3.2	4.8	6.4	8.9	7.6	4.8	6.4	13.4	22.4



2100

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Physical climate risk assessment

Future Essentials II

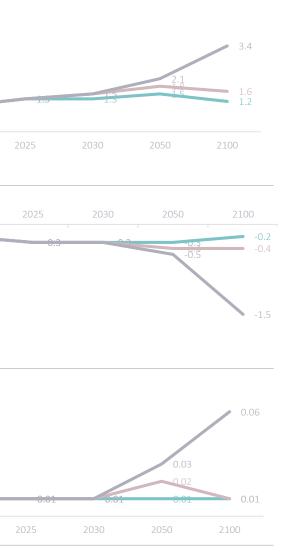


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1	1 0	1 0	1 Г	1.2	1 0	1 Г	1.0	1.0	1 0	1 Г	2.1	2.4	1
		1.3	1.3	1.5	1.2	1.3	1.5	1.8	1.6	1.3	1.5	2.1	3.4	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.2	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.4	-0.4	-0.3	-0.3	-0.5	-1.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.06	
			1		1			1			1			



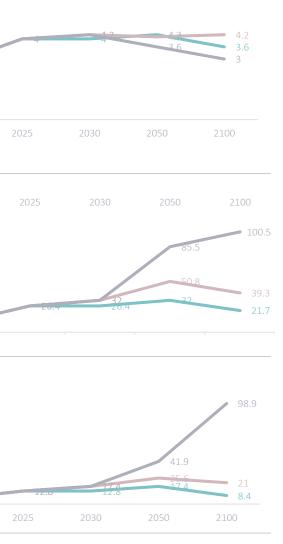
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.8
	2.8	4	4	4.2	3.6	4	4.2	4.1	4.2	4	4.2	3.6	3	
														2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	9.8	26.4	26.4	32	21.7	26.4	32	50.8	39.3	26.4	32	85.5	100.5	9.8

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
cyclones (p.a. in%)	5.5	12.8	12.8	17.4	8.4	12.8	17.4	25.6	21	12.8	17.4	41.9	98.9



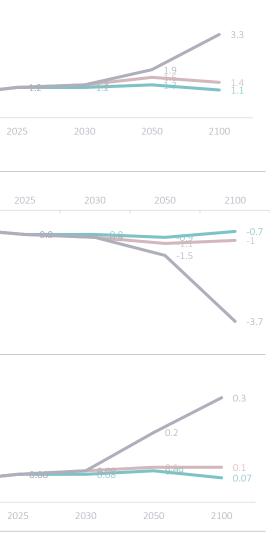


Scenario analysis

(8)	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.6	1.4	1.2	1.3	1.9	3.3	2020
Labor	2020 Value		NGFS Net	Zero 2050	1	N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
productivity due to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	

heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.6	-0.8	-0.8	-0.9	-0.7	-0.8	-0.9	-1.1	-1	-0.8	-0.9	-1.5	-3.7	
						1	1				1	l		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.06	0.08	0.08	0.09	0.07	0.08	0.09	0.1	0.1	0.08	0.09	0.2	0.3	U.





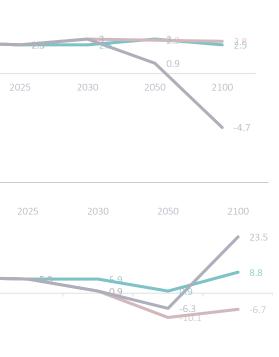
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	27
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
		2.7	2.5	2.5	3	2.5	2.5	3	2.9	2.8	2.5	3	0.9	-4.7	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	6.6
(p.a. in%)	6.6	5.9	5.9	0.9	8.8	5.9	0.9	-10.1	-6.7	5.9	0.9	-6.3	23.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5
xpected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
lones (p.a. in%)	no data						no d	data					





ata currently available in the te Impact Explorer tool for the ted indicator in this region

Scenario analysis

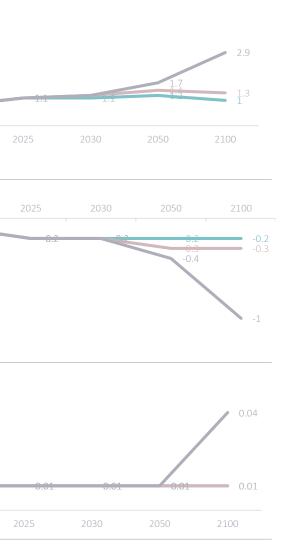
(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.0	1.1	4.4	1.2	1	4.4	1.2	1.4	1.2	1.1	1.2	4 7	2.0	0.8
		0.8	1.1	\perp, \perp	1.2	Ţ	1.1	1.2	1.4	1.3	1.1	1.2	1./	2.9	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	n		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.2	-0.2	-0.4	-1	

Land fraction annually exposed to wildfires (pp) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2030 2025 2030 203		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
	annually exposed to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	



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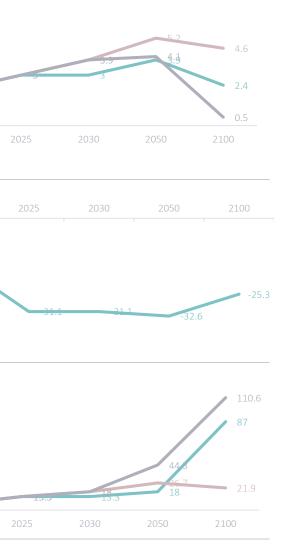
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.1
	2.1	3	3	3.9	2.4	3	3.9	5.2	4.6	3	3.9	4.1	0.5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-15.1
(p.a. in%)	-15.1	-31.1	-31.1	-32.6	-25.3	no data	a displayed		ted change ges with th		ery high val ng data	ues, which	hint at	

Expected damage from tropical syclones (p.a. in%) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2010 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2030 2050 2100 2050 2030 2050 2100 2050 2100 2050		2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5
			2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	cyclones (p.a. in%)	5.7	13.3	13.3	18	8.7	13.3	18	26.7	21.9	13.3	18	44.3	110.6





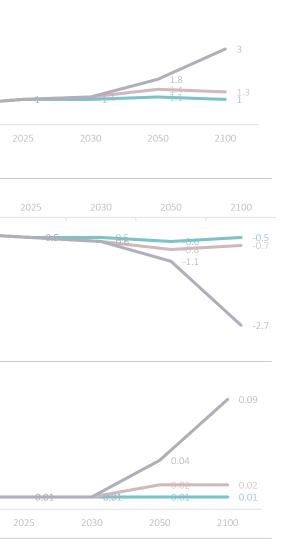
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.8	1	1	1 1	1	1	1 1	1.4	1.3	1	1 1	1.8	3	0.0
		0.8	Ţ		1.1	1	Ţ	1.1	1.4	1.5	L	1.1	1.0	5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.4	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.5	-0.6	-1.1	-2.7	

Land fraction annually exposed to wildfires (pp) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2010 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2030 2050 2100 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 2050 2030 205	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	'n		NGFS Curr	ent Policie	5
0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.09





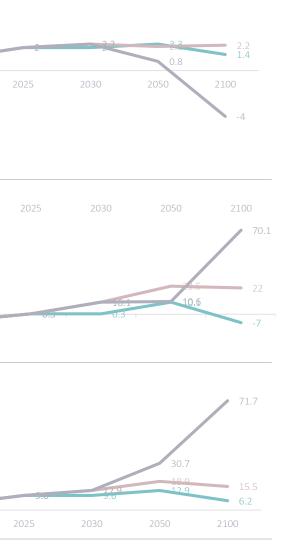
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
		1.1	2	2	2.3	1.4	2	2.3	2.1	2.2	2	2.3	0.8	-4	

\sim	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	-5.3	0.3	0.3	10.1	-7	0.3	10.1	23.5	22	0.3	10.1	10.6	70.1	-5.3

from tropical		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
	Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	cyclones (p.a. in%)	4.1	9.6	9.6	12.9	6.2	9.6	12.9	18.9	15.5	9.6	12.9	30.7	71.7





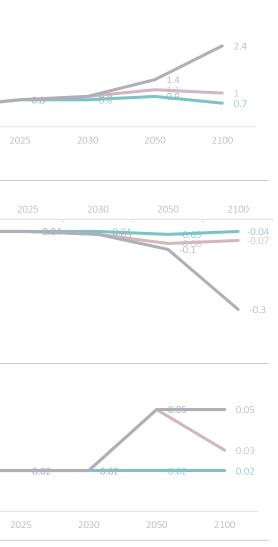
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.0	0.9	0.0	0.0	0.7	0.9	0.0	1 1	1	0.9	0.0	1 /	2.4	0.0
		0.6	0.8	0.8	0.9	0.7	0.8	0.9	1.1	L	0.8	0.9	1.4	2.4	2020

(5)	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.04	-0.04	-0.04	-0.05	-0.04	-0.04	-0.05	-0.08	-0.07	-0.04	-0.05	-0.1	-0.3	

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.05	0.05	-0.02
														2020



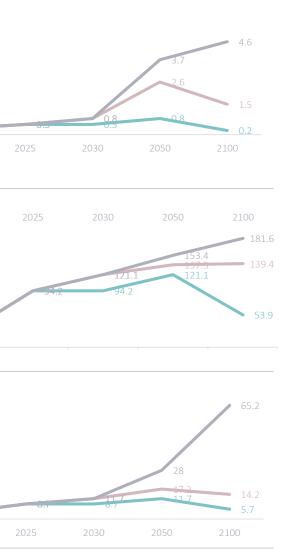


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.3	0.5	0.5	0.8	0.2	0.5	0.8	2.6	1.5	0.5	0.8	3.7	4.6	2020
		1				1				1				1
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	202

\approx														
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	21.4

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S
Expected damage from tropical yclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
verones (p.a. m/o)	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2

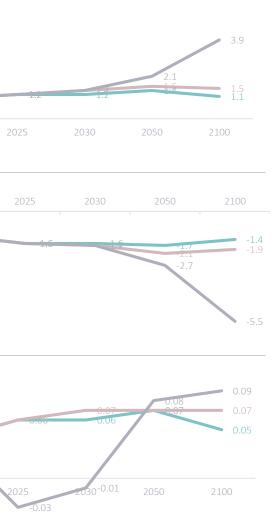


Scenario analysis

(⁽)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1	1.2	1.2	1.4	1.1	1.2	1.4	1.6	1.5	1.2	1.4	2.1	3.9	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1 2
	-1.2	-1.6	-1.6	-1.7	-1.4	-1.6	-1.7	-2.1	-1.9	-1.6	-1.7	-2.7	-5.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	S	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.0
	0.04	0.06	0.06	0.07	0.05	0.06	0.07	0.07	0.07	-0.03	-0.01	0.08	0.09	2020



Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.2
	2.2	2.3	2.3	2.7	2.1	2.3	2.7	3.4	3.1	2.3	2.7	3.6	2.3	2020
		1	<u> </u>	1		1		1	1	1	1	1		
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. m/o)	11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	1
			<u> </u>	1	·			1		1	·	1		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-
	2.9	6.6	6.6	8.9	4.3	6.6	8.9	13	10.8	6.6	8.9	21	47.9	

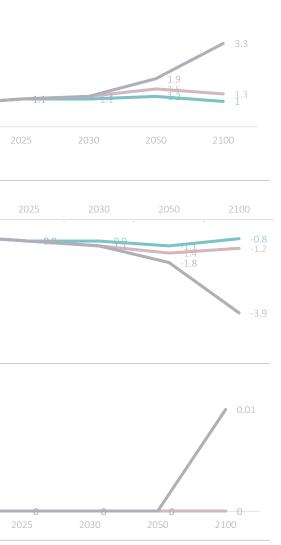


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.1	1.1	1.2	1	1.1	1.2	1.5	1.3	1.1	1.2	1.9	3.3	2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.7
	-0.7	-0.9	-0.9	-1.1	-0.8	-0.9	-1.1	-1.4	-1.2	-0.9	-1.1	-1.8	-3.9	

Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curre	ent Policies	5
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0	0	0	0	0	0	0	0	0	0	0	0	0.01



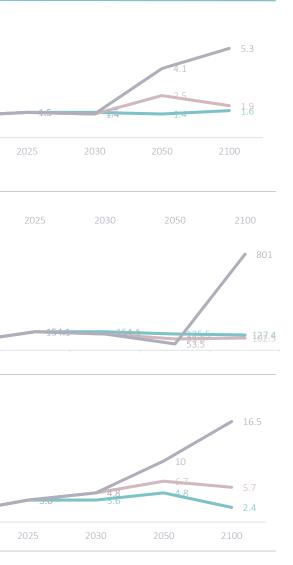
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1.3	15	15	1.4	1.6	1.5	1.4	2.5	19	15	1.4	4.1	5.3	
	1.5	1.5	1.5	1.7	1.0	1.5	1.7	2.5	1.5	1.5	1.4	7.1	5.5	2(

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	68.3	154.1	154.1	135.5	127.4	154.1	135.5	93.6	102.5	154.1	135.5	53.5	801	08.3

	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
cyclones (p.a. in%)	1.6	3.6	3.6	4.8	2.4	3.6	4.8	6.7	5.7	3.6	4.8	10	16.5





Physical climate risk assessment

Global Secondaries V



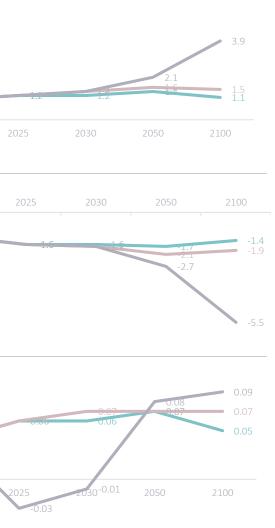
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	1	1.2	1.2	1.4	1.1	1.2	1.4	1.6	1.5	1.2	1.4	2.1	3.9

		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
producti	bor vity due to ress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1 2
		-1.2	-1.6	-1.6	-1.7	-1.4	-1.6	-1.7	-2.1	-1.9	-1.6	-1.7	-2.7	-5.5	

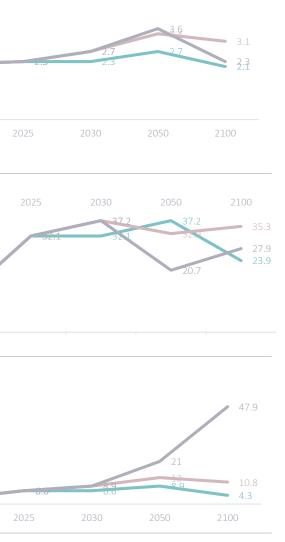
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.04
	0.04	0.06	0.06	0.07	0.05	0.06	0.07	0.07	0.07	-0.03	-0.01	0.08	0.09	2020

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limate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S]
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	4
	2.2	2.3	2.3	2.7	2.1	2.3	2.7	3.4	3.1	2.3	2.7	3.6	2.3	202
			1	1	1			1	1	1	1	1		
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	20
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	
			1		1					1	1	1		
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
						6.6				6.6	8.9	21	47.9	





Scenario analysis

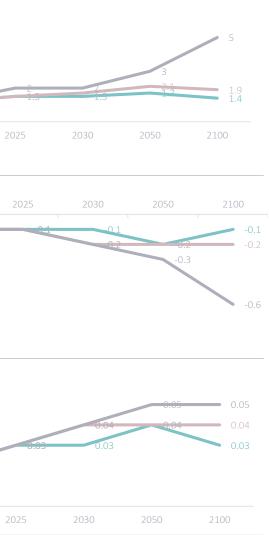
	2020 Value		NGFS Net	Zero 2050	-	Ν	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	1.2	1.5	1.5	1.7	1.4	1.5	1.7	2.1	1.9	2	2	3	5	2020
				1	1			1	1		1			
(\mathcal{C})	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	202
Labor productivity due to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	

heat stress (pp)													
	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.2	-0.3	-0.6
		1											
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	'n		NGFS Curre	ent Policies	
Land fraction annually exposed to		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100

wildfires (pp)			2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	7	0.02	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.05	0.05	
															2



0.02

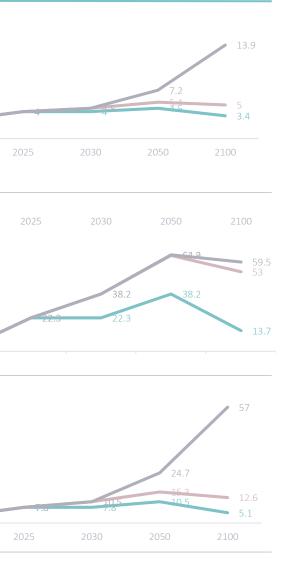


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	2.7			4.5	2.4		4.5				4.5	7.0	12.0	2.1
	2.7	4	4	4.5	3.4	4	4.5	5.4	5	4	4.5	7.2	13.9	2020

\sim	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	0.4	22.3	22.3	38.2	13.7	22.3	38.2	63.9	53	22.3	38.2	64.3	59.5	0.4

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
cyclones (p.a. in%)	3.3	7.8	7.8	10.5	5.1	7.8	10.5	15.3	12.6	7.8	10.5	24.7	57	_
														2020

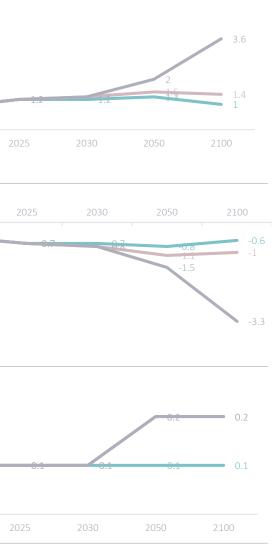


Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1	1.2	1.3	1.5	1.4	1.2	1.3	2	3.6	202
		2	2	2	2	2	2	2	2	2	2			
(6)	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	20
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.5	-0.7	-0.7	-0.8	-0.6	-0.7	-0.8	-1.1	-1	-0.7	-0.8	-1.5	-3.3	
		-	· 	·	·		· 	·	·	-		·		
	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	



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Scenario analysis

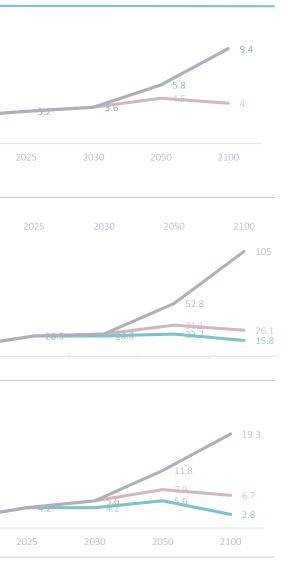
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	2.7	3.2	3.6	5.8	9.4	3.2	3.6	4.5	4	3.2	3.6	5.8	9.4	2.1
	2.7	5.2	5.0	5.0	5.4	5.2	5.0	1.5		5.2	5.0	5.0	5.4	2020

\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	9.5	20.3	20.3	22.2	15.8	20.3	22.2	31.1	26.1	20.3	22.2	52.8	105	9.5

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
cyclones (p.a. in%)	1.9	4.2	4.2	5.6	2.8	4.2	5.6	7.9	6.7	4.2	5.6	11.8	19.3	
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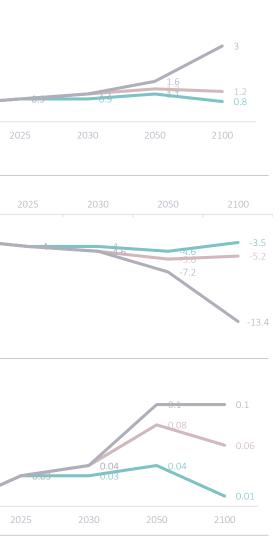
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.7							1.2	1.2		1.1	1.6		-0.
		0.7	0.9	0.9	1.1	0.8	0.9	1.1	1.3	1.2	0.9	1.1	1.6	3	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	21
	-3.1	-4	-4	-4.6	-3.5	-4	-4.6	-5.6	-5.2	-4	-4.6	-7.2	-13.4	

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0	0.03	0.03	0.04	0.01	0.03	0.04	0.08	0.06	0.03	0.04	0.1	0.1





(p.a. in%)

Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	5.2	5.6	5.6	5.9	5.9	5.6	5.9	8.1	6.9	5.6	5.9	10.7	18.3	2020
							1	1			1	1		1
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	

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38.5

48.8

48.3

48.9

38.5

48.8

41.2

286.3

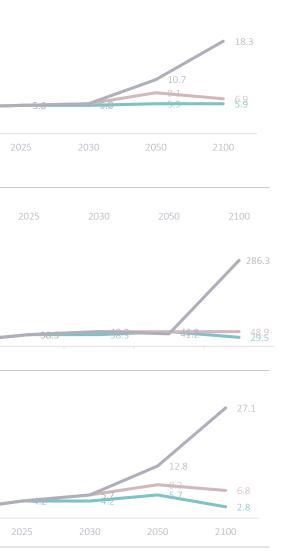
15.6

38.5

38.5

48.8

29.5



Scenario analysis

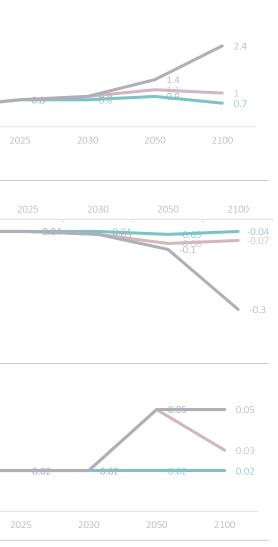
(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.6	0.0	0.0	0.0	0.7	0.0	0.0	1 1	1	0.0	0.0	1.4	2.4	0.0
		0.6	0.8	0.8	0.9	0.7	0.8	0.9	1.1		0.8	0.9	1.4	2.4	2020

(5)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.04	-0.04	-0.04	-0.05	-0.04	-0.04	-0.05	-0.08	-0.07	-0.04	-0.05	-0.1	-0.3	

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.03	0.02	0.02	0.05	0.05	-0.02
														2020



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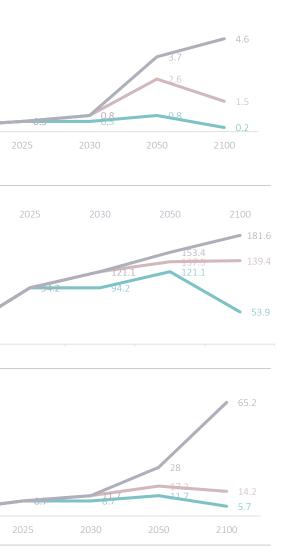
Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.3	0.5	0.5	0.8	0.2	0.5	0.8	2.6	1.5	0.5	0.8	3.7	4.6	2020
	5				<u></u>									
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020

\approx	2020 value		NGFS Net	Zero 2050		IN	GFS Delaye	ed transitio)r)		NGFS CUIT	ent Policies		
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	21.4	94.2	94.2	121.1	53.9	94.2	121.1	137.5	139.4	94.2	121.1	153.4	181.6	21.4

Expected damage from tropical cyclones (p.a. in%) 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2025 2030 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2100 2050 2030 2050 2100 2050 2100 3.7 8.7 8.7 11.7 5.7 8.7 11.7 17.2 14.2 8.7 11.7 28 65.2		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
	from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	cyclones (p.a. III %)	3.7	8.7	8.7	11.7	5.7	8.7	11.7	17.2	14.2	8.7	11.7	28	65.2	

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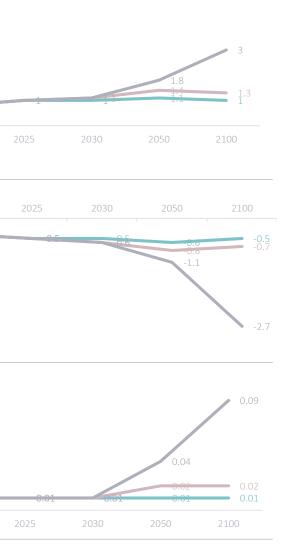
Scenario analysis

6		2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.8	1	1	1 1	1	1	1 1	1.4	1.3	1	1 1	1.8	3	0.0
		0.0	L	1	1.1	Ţ	Ţ	1.1	1.4	1.5	Ţ	1.1	1.0	5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Labor ctivity due to stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.4	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.5	-0.6	-1.1	-2.7	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curre	ent Policies	S
Land fraction nnually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.09





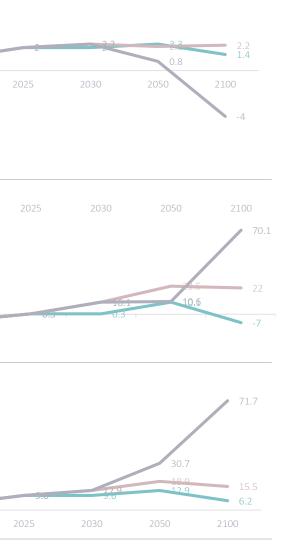
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020
		1.1	2	2	2.3	1.4	2	2.3	2.1	2.2	2	2.3	0.8	-4	

\sim	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	-5.3	0.3	0.3	10.1	-7	0.3	10.1	23.5	22	0.3	10.1	10.6	70.1	-5.3

from tropical		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				
	Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	cyclones (p.a. in%)	4.1	9.6	9.6	12.9	6.2	9.6	12.9	18.9	15.5	9.6	12.9	30.7	71.7	





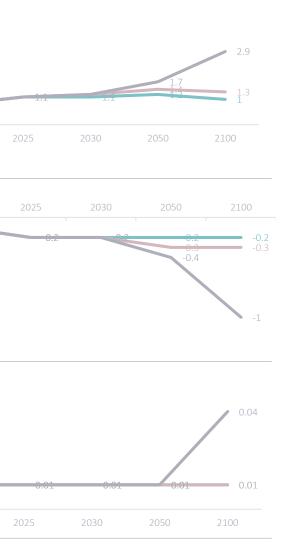
Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		0.0	1.1	4.4	1.2	1	1.1	1.2	1.4	1.2	4.4	1.2	4 7	2.0	0.8
		0.8	1.1	1,1	1.2		1.1	1.2	1.4	1.3	1.1	1.2	1./	2.9	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	6	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.2	-0.2	-0.4	-1	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	
								<u> </u>						20





Scenario analysis

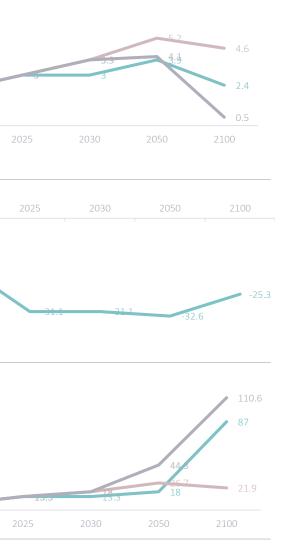
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies		
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.1
	2.1	3	3	3.9	2.4	3	3.9	5.2	4.6	3	3.9	4.1	0.5	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-15.1
(p.a. in%)	-15.1	-31.1	-31.1	-32.6	-25.3	no data	a displayed		ted change ges with th		ery high val ing data	ues, which	hint at	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
cyclones (p.a. in%)	5.7	13.3	13.3	18	8.7	13.3	18	26.7	21.9	13.3	18	44.3	110.6	
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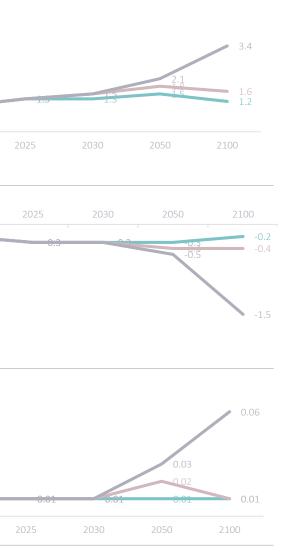


Scenario analysis

(2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	5	
	Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		1	1.2	1.2	1 Г	1.2	1.2	1 Г	1.0	1.0	1.2	1 Г	2.1	2.4	I
			1.3	1.3	1.5	1.2	1.3	1.5	1.8	1.6	1.3	1.5	2.1	3.4	2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curr	ent Policies	5	2020
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.2	-0.3	-0.3	-0.3	-0.2	-0.3	-0.3	-0.4	-0.4	-0.3	-0.3	-0.5	-1.5	

	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	n		NGFS Curr	ent Policies	5	
Land fraction annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.06	
			1		1			1			1			



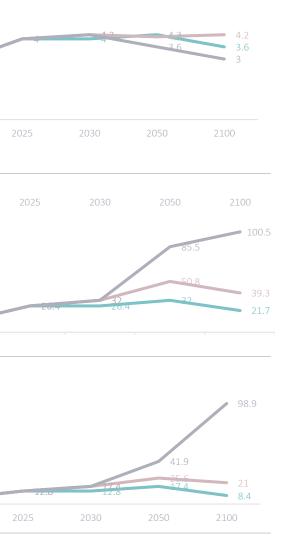
Scenario analysis

		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curre	ent Policies	5	
Precipitation (Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.8
		2.8	4	4	4.2	3.6	4	4.2	4.1	4.2	4	4.2	3.6	3	
															2020

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
(p.a. in%)	9.8	26.4	26.4	32	21.7	26.4	32	50.8	39.3	26.4	32	85.5	100.5	9.8

	2020 Value		NGFS Net	Zero 2050	-	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Expected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
cyclones (p.a. in%)	5.5	12.8	12.8	17.4	8.4	12.8	17.4	25.6	21	12.8	17.4	41.9	98.9	





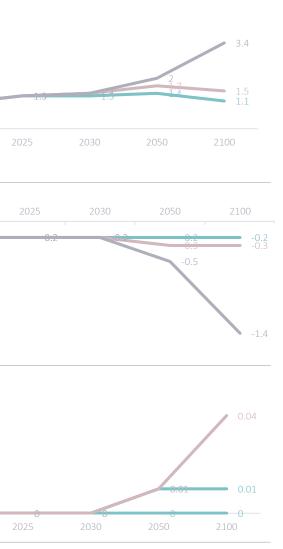
Physical climate risk assessment

Capital Dynamics Operations



Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	'n		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	I
	1	1.3	1.3	1.4	1.1	1.3	1.4	1.7	1.5	1.3	1.4	2	3.4	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	IGFS Delay	ed transitio	'n		NGFS Curr	ent Policies		2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-
	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.2	-0.2	-0.5	-1.4	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	IGFS Delaye	ed transitio	n		NGFS Curre	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-
	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	0.04	2020

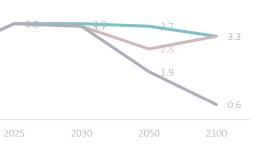




Scenario analysis

	2020 Value		NGFS Net 2	Zero 2050		N	GFS Delaye	ed transitio	n		NGFS Curre	ent Policies		26
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2.0
	2.6	3.8	3.8	3.7	3.3	3.8	3.7	2.8	3.3	3.8	3.7	1.9	0.6	2020 20
	2020 Val	ue	NGFS	Net Zero 20)50		NGFS Dela	iyed transi	tion		NGFS Curr	rent Policie	S	No data
Expected damage from river floods (p.a. in%)		202	5 2030	0 2050	2100) 2025	2030	2050	2100	2025	2030	2050	2100	Climate
	No data	a					N	o data						
	2020 Val	ue	NGFS	Net Zero 20)50		NGFS Dela	iyed transi	tion		NGFS Curr	rent Policie	S	No data
Expected damage from tropical cyclones (p.a. in%)		202	5 2030	0 205	2100) 2025	2030	2050	2100	2025	2030	2050	2100	Climate
	No data	a					N	o data						





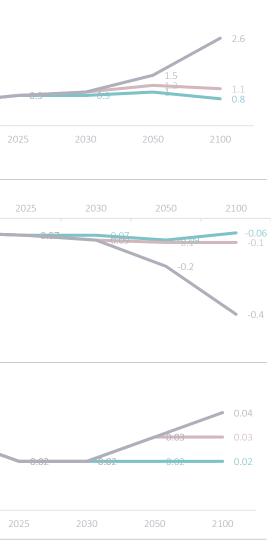
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Scenario analysis

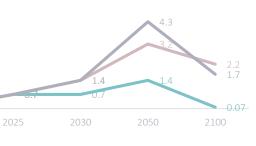
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies		
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	U./
	0.7	0.9	0.9	1	0.8	0.9	1	1.2	1.1	0.9	1	1.5	2.6	2020 2
							1							
														2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Labor productivity due to														0.00
heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.06	-0.07	-0.07	-0.09	-0.06	-0.07	-0.09	-0.1	-0.1	-0.07	-0.09	-0.2	-0.4	
				1			1	1			1			1
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.03
	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.04	2020





Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.08	0.7	0.7	1.4	0.07	0.7	1.4	3.2	2.2	0.7	1.4	4.3	1.7	0.08 2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	No c
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Clim
	No data			•	•		No	data				•	•	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No c Clim sele
	No data						No	data						



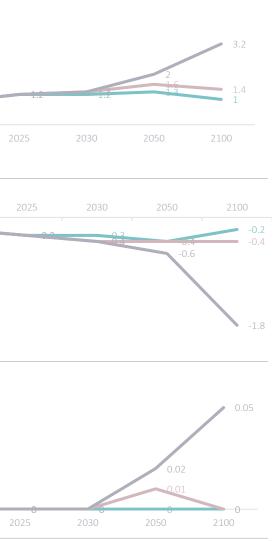


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ata currently available in the te Impact Explorer tool for the ted indicator in this region

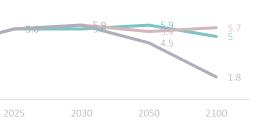
Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.5
	0.9	1.2	1.2	1.3	1	1.2	1.3	1.6	1.4	1.2	1.3	2	3.2	2020
														2020
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	0.2
productivity due to														
heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.2	-0.3	-0.3	-0.4	-0.2	-0.3	-0.4	-0.4	-0.4	-0.3	-0.4	-0.6	-1.8	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0	0	0	0	0	0	0.01	0	0	0	0.02	0.05	2020



Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	4.2
	4.2	5.6	5.6	5.9	5	5.6	5.9	5.4	5.7	5.6	5.9	4.5	1.8	2020 2
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No dat Climate selecte
	no data			·	·	•	no	data	•	·	·	<u>.</u>	•	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S	No dat
xpected damage from tropical clones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No dat Climate selecte
, i i i i i i i i i i i i i i i i i i i	no data		•		-		no	data						





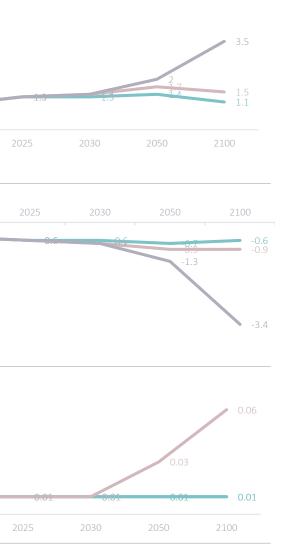
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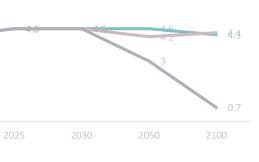
Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitio	on		NGFS Curre	ent Policies	;	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1
	1	1.3	1.3	1.4	1.1	1.3	1.4	1.7	1.5	1.3	1.4	2	3.5	2020
			-						-					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	2020
Labor					_				-					-0.5
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.5	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.9	-0.9	-0.6	-0.7	-1.3	-3.4	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delaye	ed transitic	on		NGFS Curre	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
														-0.01
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.06	
														2020





(Climate Hazards						S	cenar	io ana	lysis					
		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	4.2
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		4.2	4.6	4.6	4.6	4.3	4.6	4.6	4.2	4.4	4.6	4.6	3	0.7	2020 20
		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	No data
	Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Climate selecte
		No data						No	data						
(2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	No data
	Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Climate
		No data						No	data						



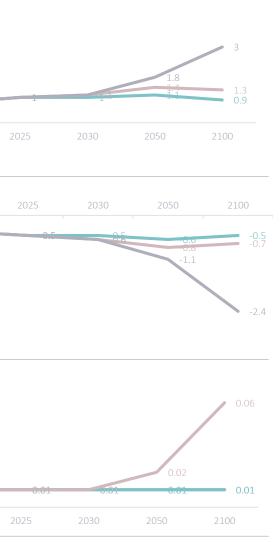
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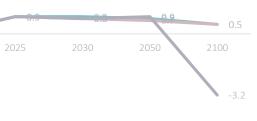
Scenario analysis

6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	_
	0.8	1	1	1.1	0.9	1	1.1	1.4	1.3	1	1.1	1.8	3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	20
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.4	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.8	-0.7	-0.5	-0.6	-1.1	-2.4	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.06	-





	Climate Hazards						S	cenar	io ana	lysis					
		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	5	
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.1 2020 20
		0.1	0.9	0.9	0.8	0.5	0.9	0.8	0.7	0.5	0.9	0.8	0.9	-3.2	
(2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	No data
	Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Climate selecte
		No data		-		-	- 	No	data	2	- 	-	2 		
		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	No data
	Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Climate
		No data		-	-	-	-	No	data	-	-		-	-	



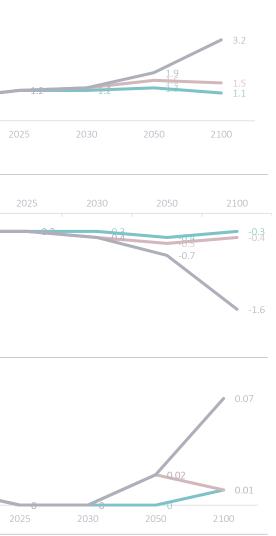
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Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.3	1.1	1.2	1.3	1.6	1.5	1.2	1.3	1.9	3.2	
			1	1	1	1		1	1	1	1	1		1
(8)	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Labor productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.3	-0.3	-0.3	-0.4	-0.3	-0.3	-0.4	-0.5	-0.4	-0.3	-0.4	-0.7	-1.6	
									·					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Land fraction nnually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0	0	0	0.01	0	0	0.02	0.01	0	0	0.02	0.07	



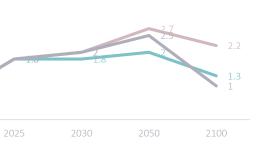


	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S
recipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.6	1.8	1.8	2	1.3	1.8	2	2.7	2.2	1.8	2	2.5	1
		1	1	1		1	1			_	1	1	1
\sim	2020 Value		NGFS Net	Zero 2050	-	N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	S
Expected damage from river floods		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
(p.a. in%)	no data displayed		-	-		-	no data d	displayed	-		-		-
		<u></u>											
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie	5
xpected damage from tropical		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
lones (p.a. in%)	81.9	213.7	213.7	298	132.4	213.7	298	499.9	378.8	no data d attain ver challenges	ry high va	alues, whi	ch hint a

Scenario analysis



Climate Hazards



currently displayed in Impact Explorer, as projected attain very high values int at challenges with the ng data for this indicator and I region



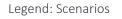
Climate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.9	1.2	1.2	1.4	1.1	1.2	1.4	1.7	1.6	1	1	2	4	2020 2
				·	·			·				·		1
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-0.9	-1.1	-1.1	-1.3	-1	-1.1	-1.3	-1.7	-1.5	-1.1	-1.3	-2.2	-5	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.01	0	0	0	0	0	0	0	0	0	0	0.01	0.03	0.01



Legend: Scenarios



limate Hazards						S	cenar	io ana	lysis					
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policie:	S	
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	-
	4.2	3.7	3.7	3.5	4.1	3.7	3.5	3.6	3.2	3.7	3.5	4.1	9.3	202
				·	•	1	<u></u>	• 	•	1		•	·	1
\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	20
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	S	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	2.9	6.6	6.6	8.9	4.3	6.6	8.9	13	10.8	6.6	8.9	21	47.9	202

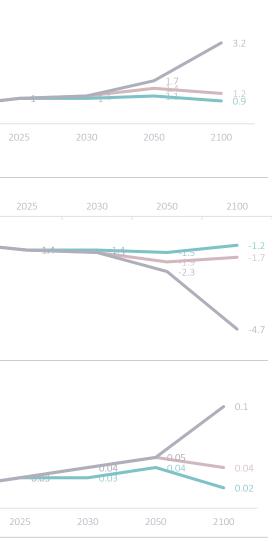




Scenario analysis

	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.7
	0.7	1	1	1.1	0.9	1	1.1	1.4	1.2	1	1.1	1.7	3.2	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1.1	-1.4	-1.4	-1.5	-1.2	-1.4	-1.5	-1.9	-1.7	-1.4	-1.5	-2.3	-4.7	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0.02	0.03	0.03	0.04	0.02	0.03	0.04	0.05	0.04	0.03	0.04	0.05	0.1	2020





Scenario analysis

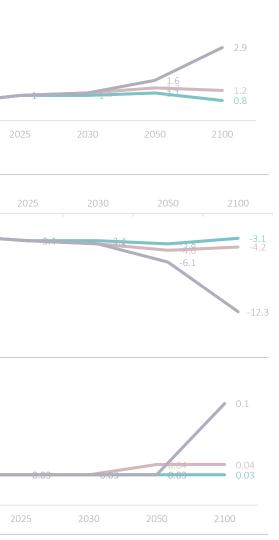
ſ		2020 Value		NGFS Net	Zero 2050		N	NGFS Delayed transition			NGFS Current Policies				
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020 20
		-0.1	0.7	0.7	0.7	0.3	0.7	0.7	-1.4	-0.6	0.7	0.7	-4.1	-4.9	
	\sim	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	2020
	Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	11.1
		2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curre	ent Policies	5	
	Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
		2.9	6.6	6.6	8.9	4.3	6.6	8.9	13	10.8	6.6	8.9	21	47.9	2.9





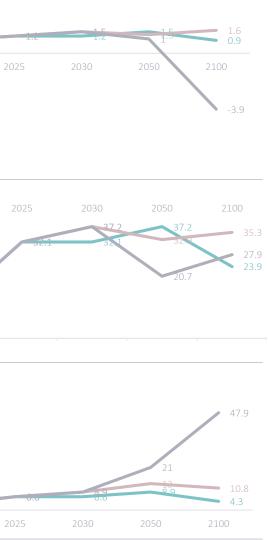
Scenario analysis

(6)	2020 Value	NGFS Net Zero 2050				N	GFS Delay	ed transitic	n	NGFS Current Policies			
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.7	1	1	1.1	0.8	1	1.1	1.3	1.2	1	1.1	1.6	2.9
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies			
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	-2.8	-3.4	-3.4	-3.8	-3.1	-3.4	-3.8	-4.6	-4.2	-3.4	-3.8	-6.1	-12.3
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100
	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.1



Scenario analysis

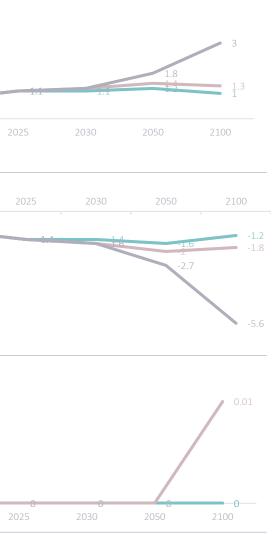
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on	NGFS Current Policies				0.9
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	2020 20
	0.9	1.2	1.2	1.5	0.9	1.2	1.5	1.3	1.6	1.2	1.5	1	-3.9	
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	2020
Expected damage from river floods (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	11.1	32.1	32.1	37.2	23.9	32.1	37.2	32.9	35.3	32.1	37.2	20.7	27.9	11.1
	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitic	on		NGFS Curr	ent Policies	5	
Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	2.9	6.6	6.6	8.9	4.3	6.6	8.9	13	10.8	6.6	8.9	21	47.9	2.9 2020 20



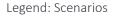
Scenario analysis

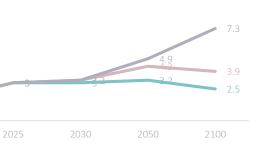
6	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on	NGFS Current Policies				
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.8
	0.8	1.1	1.1	1.2	1	1.1	1.2	1.4	1.3	1.1	1.2	1.8	3	2020
Labor	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1	-1.4	-1.4	-1.6	-1.2	-1.4	-1.6	-2	-1.8	-1.4	-1.6	-2.7	-5.6	
Land fraction	2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0	0	0	0	0	0	0	0	0	0	0	0.01	2020





C	limate Hazards		Scenario analysis													
(2020 Value		NGFS Net Zero 2050					NGFS Delayed transition				NGFS Current Policies			
	Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	1.7	
		1.7	3	3	3.2	2.5	3	3.2	4.3	3.9	3	3.2	4.9	7.3	2020 2025	
						2			2	2	°	°	2			
(Expected damage from river floods (p.a. in%)	2020 Value	NGFS Net Zero 2050					GFS Delay	ed transitio	on	NGFS Current Policies				No data d	
			2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	Climate I selected	
		No data		No data												
(2020 Value		NGFS Net	Zero 2050		N	GFS Delay	ed transitio	on		NGFS Curr	ent Policies	5	Nedete	
	Expected damage from tropical cyclones (p.a. in%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	No data o Climate I selected	
		No data		-	-	-		No	data	-	•	-	0			

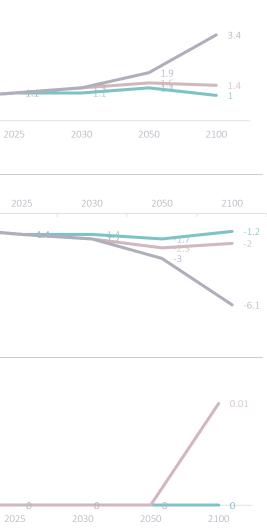




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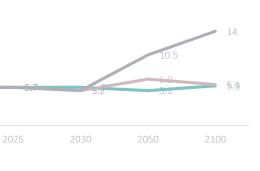
Climate Hazards							Scena	rio an	alysis					
	2020 Value		NGFS Net	Zero 2050		Ν	NGFS Delayed transition				NGFS Current Policies			
Mean air temperature (°C)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	0.5
	0.9	1.1	1.1	1.3	1	1.1	1.3	1.5	1.4	1.1	1.3	1.9	3.4	2020 20
														1
Labor	2020 Value	NGFS Net Zero 2050					IGFS Delay	ed transitio	'n	NGFS Current Policies				2020
productivity due to heat stress (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	-1	-1.4	-1.4	-1.7	-1.2	-1.4	-1.7	-2.3	-2	-1.4	-1.7	-3	-6.1	
Land fraction	2020 Value		NGFS Net	Zero 2050		Ν	IGFS Delaye	ed transitio	n		NGFS Curr	ent Policies		
annually exposed to wildfires (pp)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	
	0	0	0	0	0	0	0	0	0	0	0	0	0.01	2020 2



Scenario analysis

	2020 Value		NGFS Net	Zero 2050		Ν	GFS Delaye	ed transitio	n	NGFS Current Policies				
Precipitation (%)		2025	2030	2050	2100	2025	2030	2050	2100	2025	2030	2050	2100	5.6
	5.6	5.7	5.7	5.2	5.9	5.7	5.2	6.9	6.1	5.7	5.2	10.5	14	2020 20
	2020 Val	ue	NGFS	Net Zero 20	050		NGFS Dela	ayed transi	tion		NGFS Curr	rent Policie	S	No dati
Expected damage from river floods (p.a. in%)		202	5 203	0 205	2100) 2025	2030	2050	2100	2025	2030	2050	2100	Climate
	No data	a					N	o data						
	2020 Val	ue	NGFS	Net Zero 20)50		NGFS Dela	ayed transi	tion		NGFS Curr	rent Policie	S	No data
Expected damage from tropical cyclones (p.a. in%)		202	5 203	0 205	2100) 2025	2030	2050	2100	2025	2030	2050	2100	Climate
	No data	a				No data								

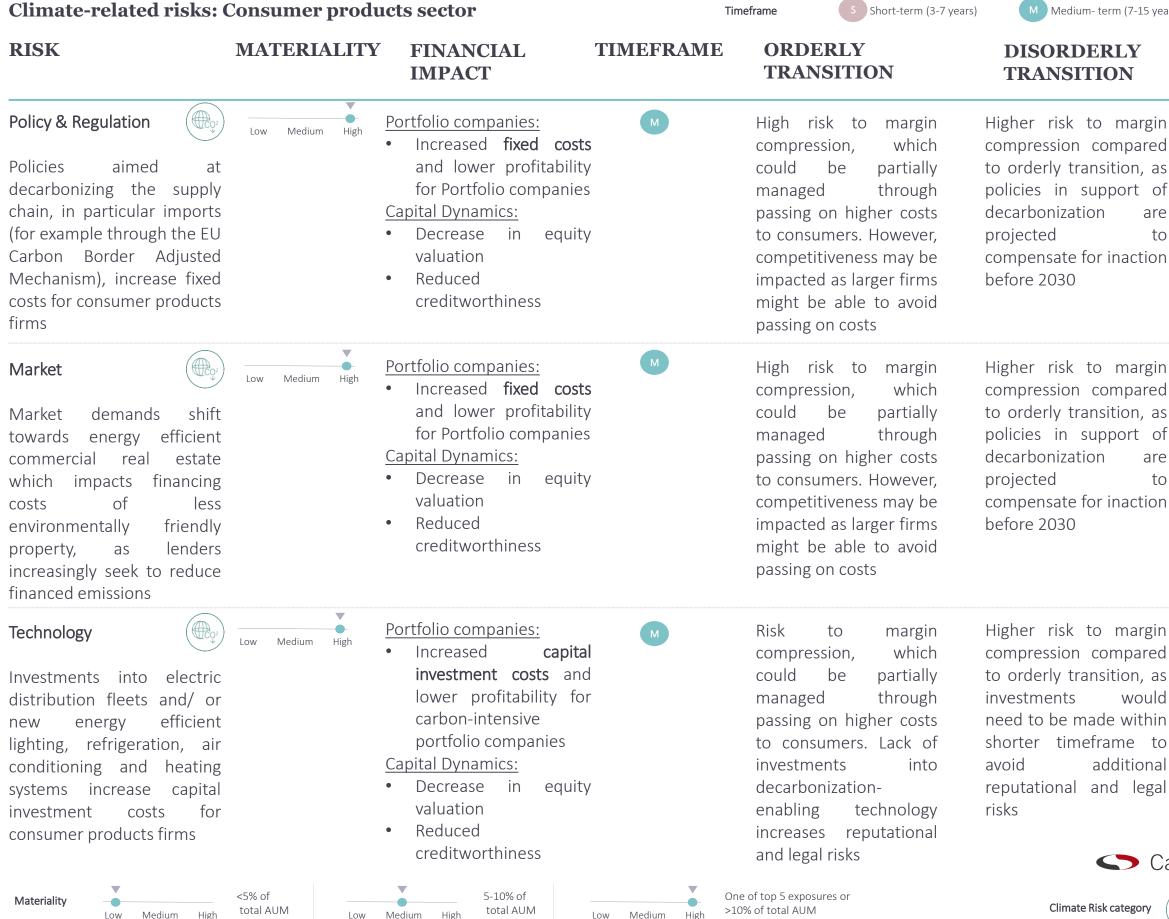




ata currently available in the ate Impact Explorer tool for the ted indicator in this region

ata currently available in the ate Impact Explorer tool for the ted indicator in this region

Sector-level climate risks



15 ye	ears)
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Long-term (2050)

HOT HOUSE WORLD
N/A for hot house world scenario, as no
transition to lower
carbon economy is assumed

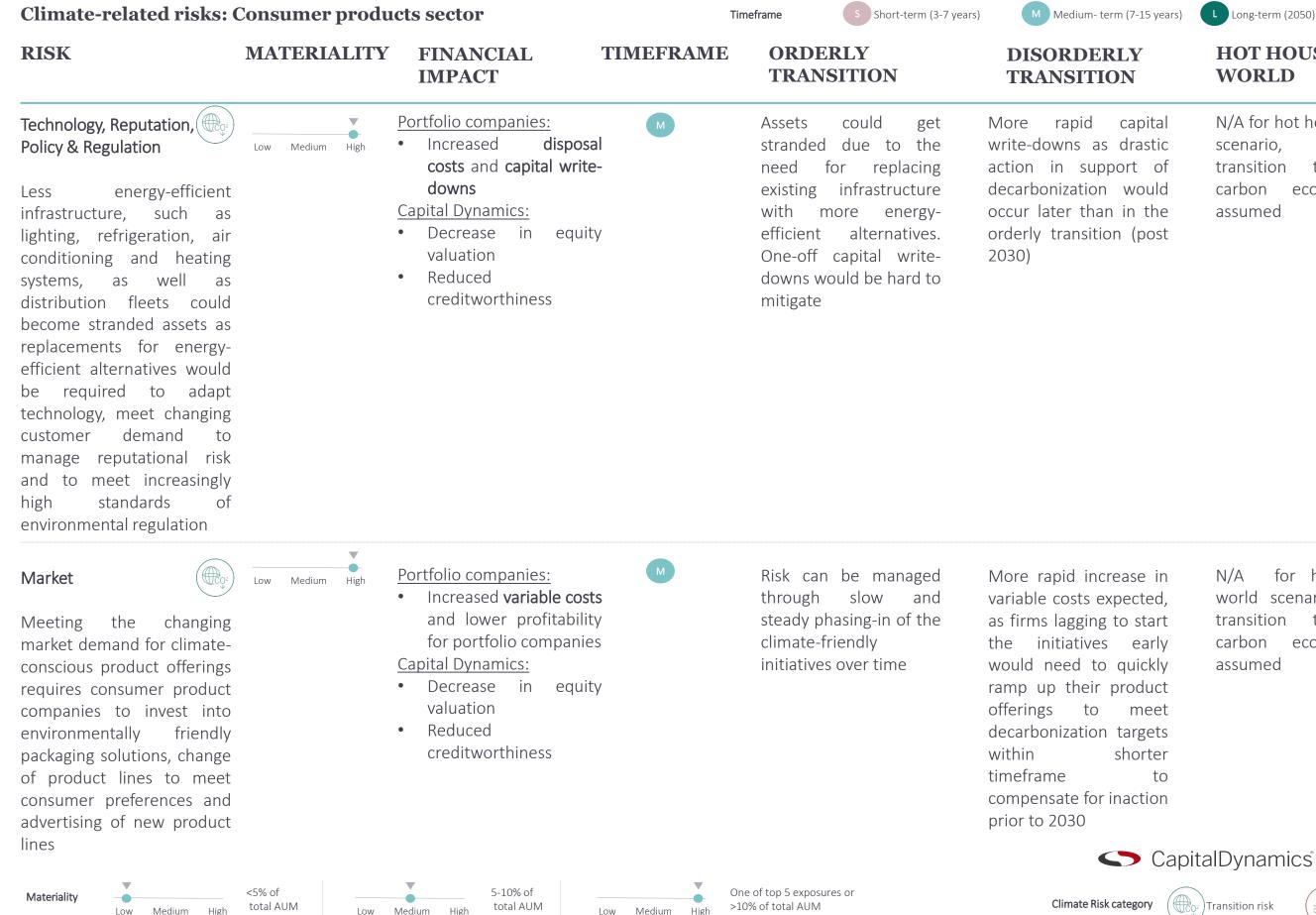
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ared	scenario,	as	no
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t of	carbon	econom	iy is
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argin	N/A for hot	: house	world
ared	scenario,	as	no
n, as	transition	to	lower
ould	carbon e	econon	ny is
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egal			

244







High

Medium low

Medium Low



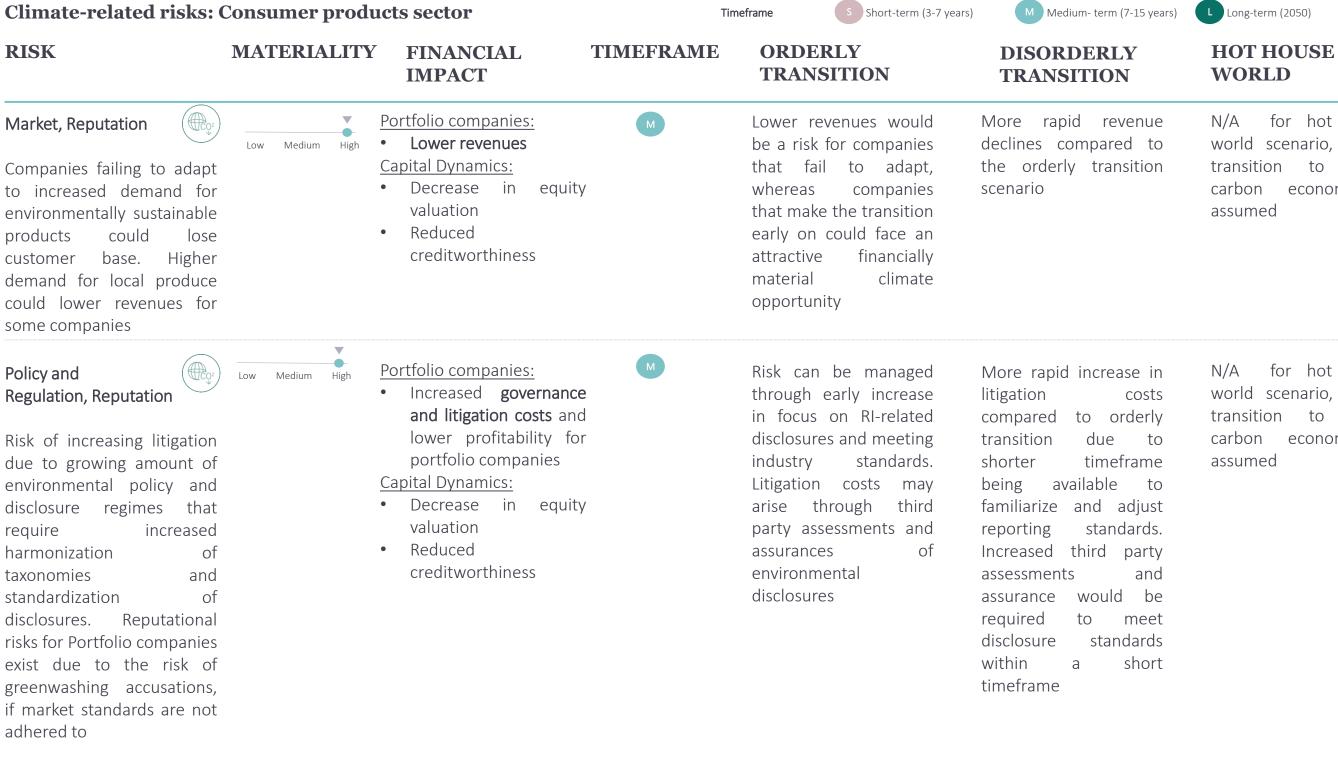
ζ	HOT HO WORLI		
pital	N/A for h	ot house	world
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of	transition	to	lower
ould	carbon	econom	ny is
the	assumed		
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for hot house world scenario, as no to lower carbon economy is



- **S** Physical risk



Materiality

low

<5% of total AUM Medium High

Medium High low

5-10% of total AUM

Medium low

High

One of top 5 exposures or >10% of total AUM

Climate Risk category

L Long-term (2050)

nue	N/A	for	hot	ho	use
to	world	scen	ario,	as	no
tion	transit	ion	to	lov	wer
	carbor	n e	conor	ny	is
	assum	ed			

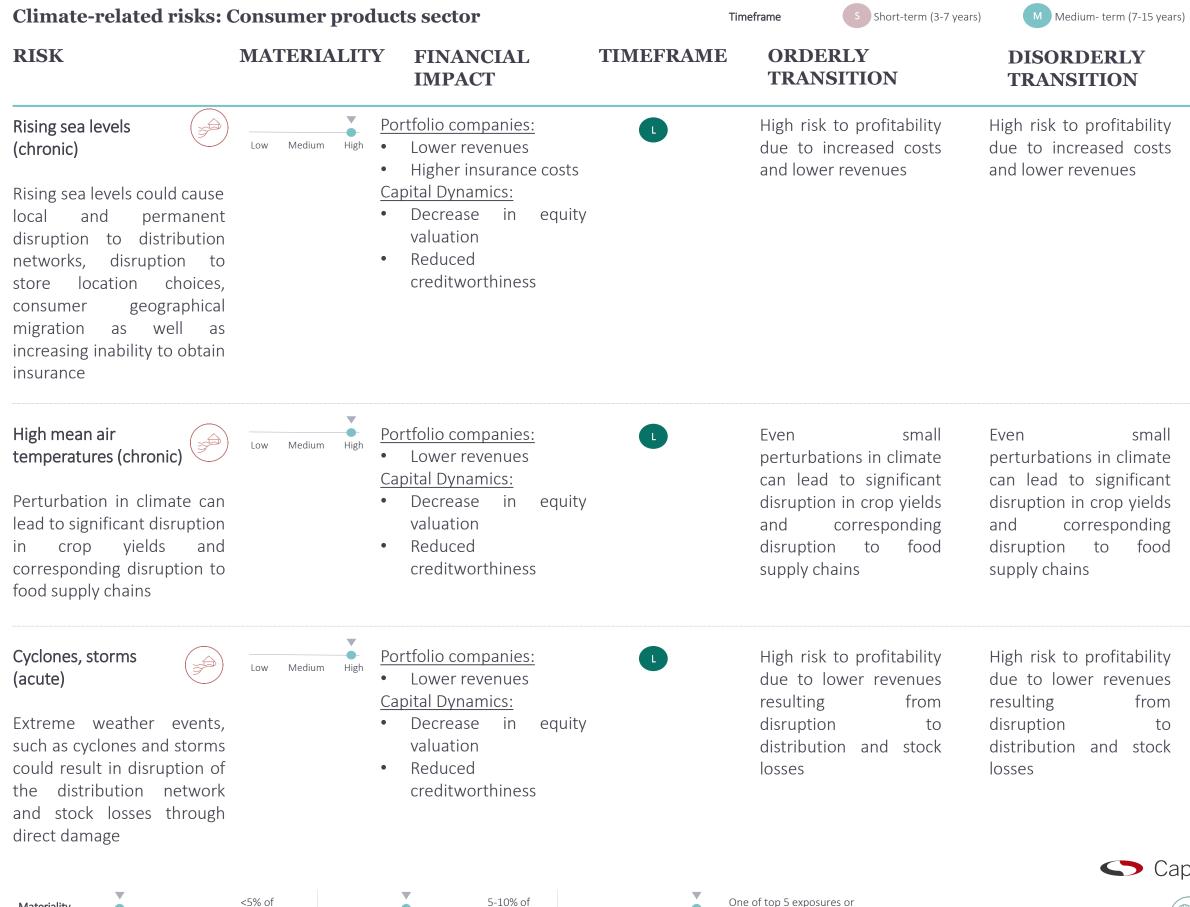
se in	N/A				
costs	world	scen	ario,	as	no
derly	transit	ion	to	lov	wer
to	carbor	n e	conor	ny	is
rame	assum	ed			
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party					
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be					
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lards					
short					

CapitalDynamics



(CO²) Transition risk





Medium low

Materiality

High

total AUM

Medium

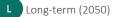
low

total AUM

Medium Low

High

>10% of total AUM



Č	HOT HO WORLD		
oility	Highest	risk	

У	Highest	risk	to
S	profitability	due	to
	increased	costs	and
	lower	reve	enues,
	possible ris	sk of	being
	uninsurable		

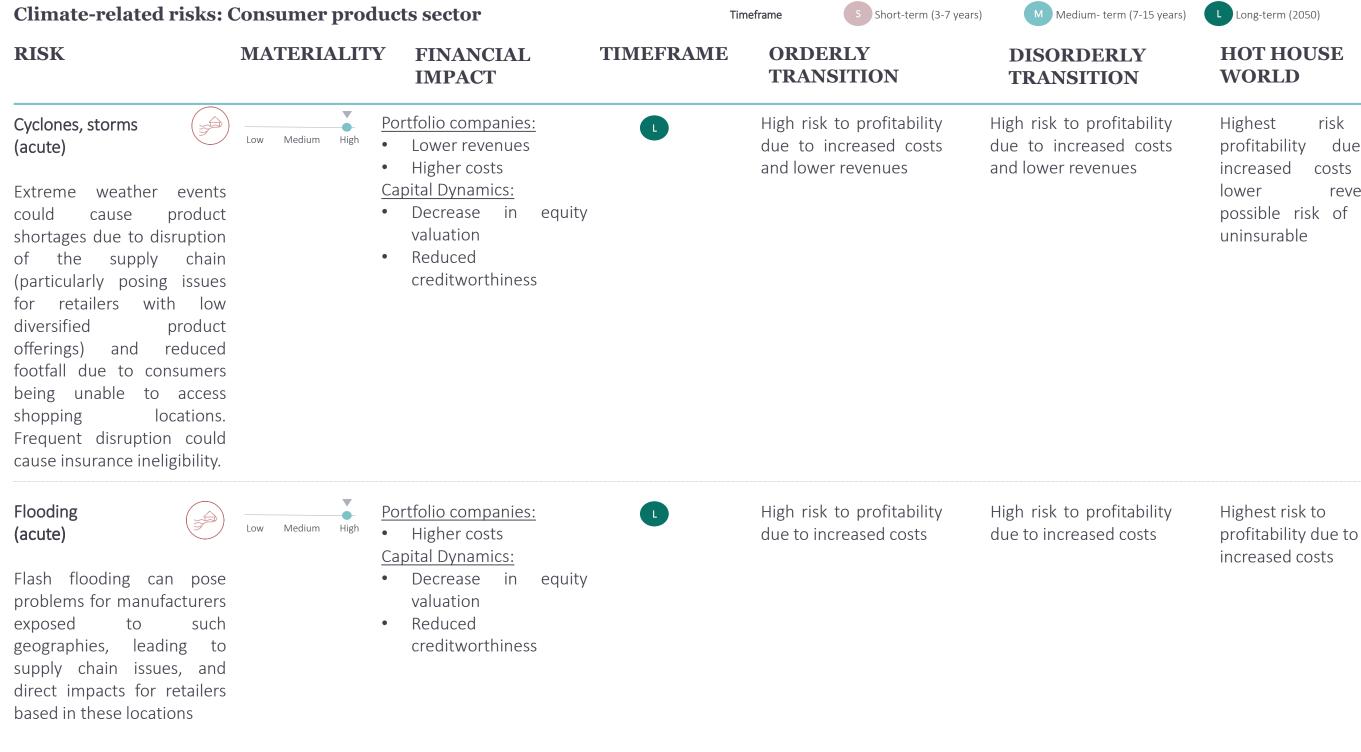
mall	Perturbations in climate
nate	can lead to significant
cant	disruption in crop yields
elds	and corresponding
ding	disruption to food
food	supply chains

isk to
due to
revenues
from
to
and stock









Materiality

Medium low

<5% of total AUM High

Medium High

low

5-10% of total AUM

Medium High low

One of top 5 exposures or >10% of total AUM

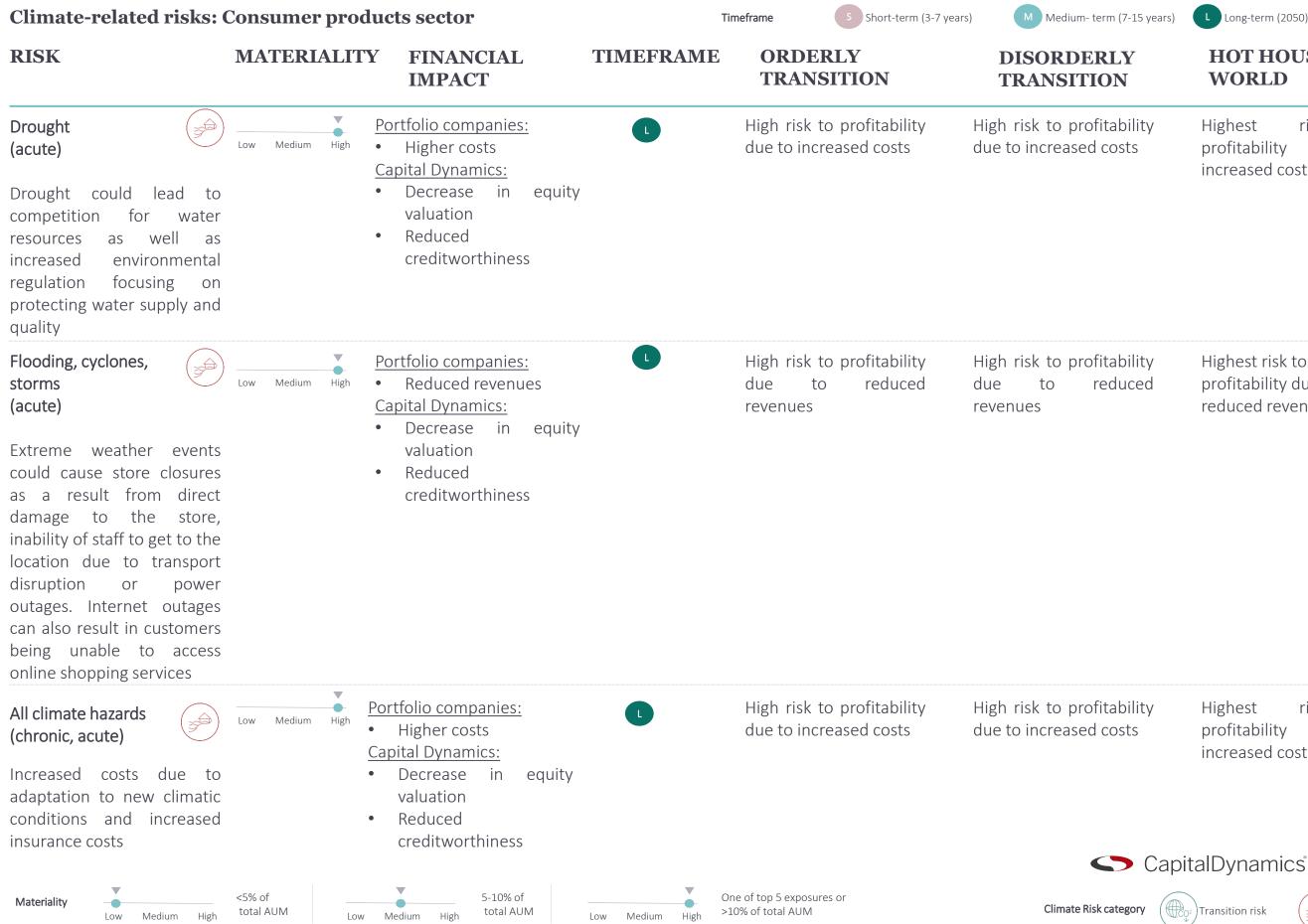
Climate Risk category

oility	Highest	risk	to
costs	profitability	due	to
	increased	costs	and
	lower	reve	nues,
	possible ris	sk of I	being
	uninsurable		









L Long-term (2050)



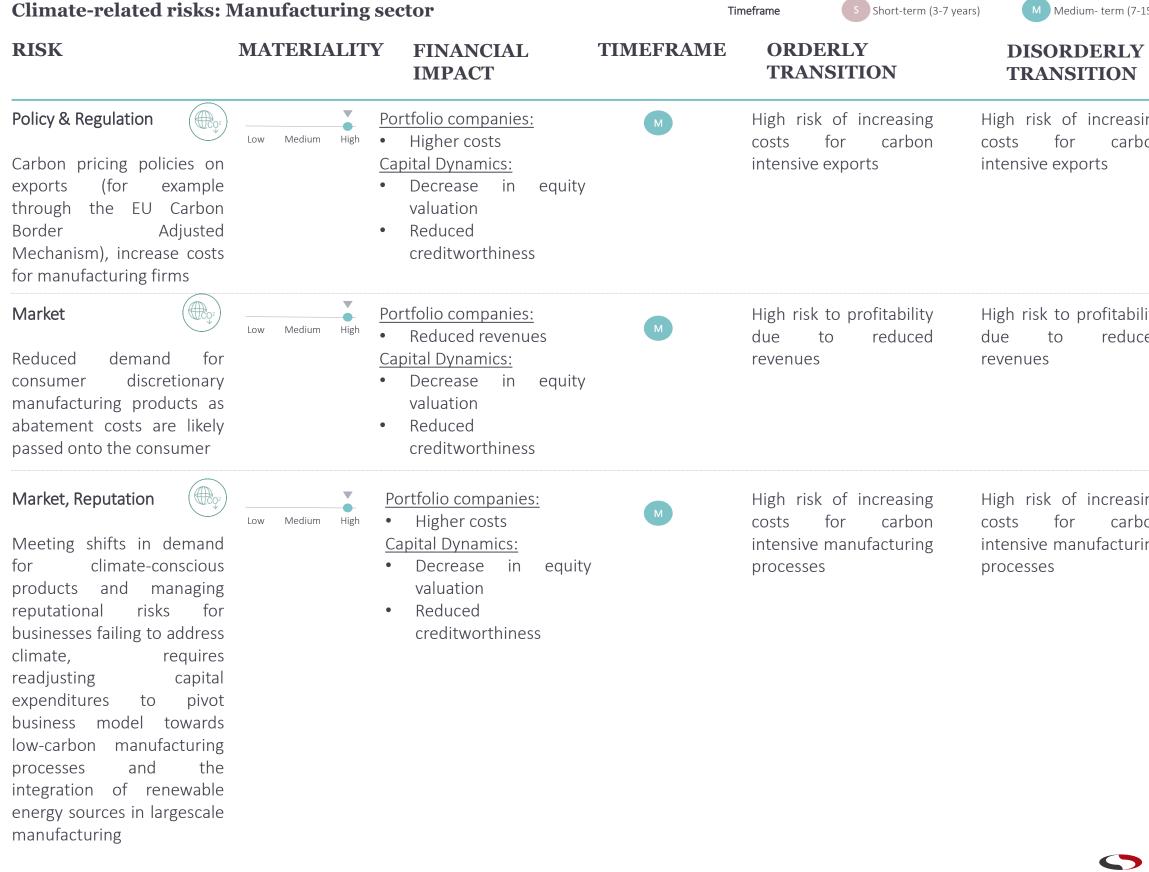
ility	Highest	risk	to
S	profitability	due	to
	increased co	osts	

ility	Highest risk to
ced	profitability due to
	reduced revenues

ility	Highest	risk	to
ts	profitability	due	to
	increased co	osts	







Medium High

low

<5% of _{High} total AUM

Medium High

low

15	years)
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Long-term (2050)

	_
-	HOT HOUSE
	WORLD

ing	N/A for ho	ot house	world
on	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

ility	N/A for ho	ot house	world
ced	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

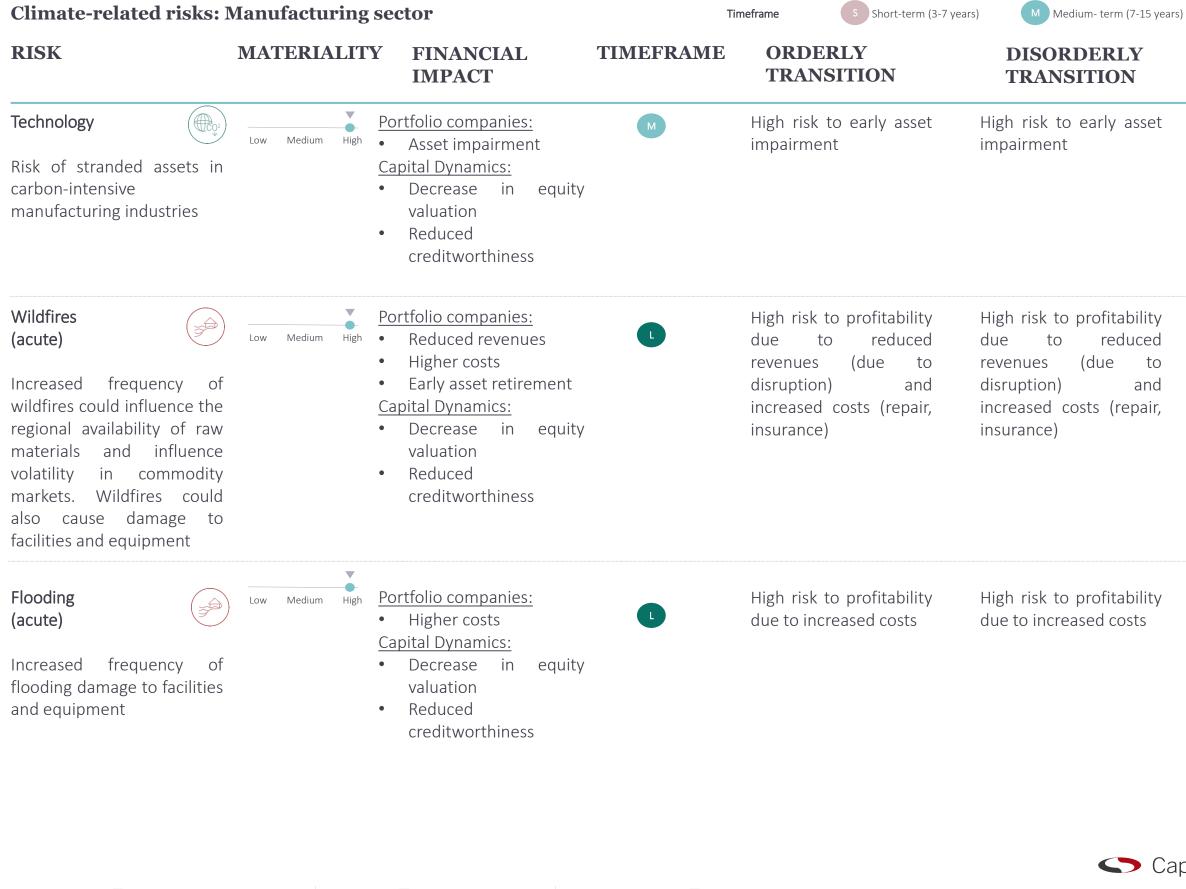
sing	N/A for ho	ot house	world
bon	scenario,	as	no
ring	transition	to	lower
	carbon	econom	iy is
	assumed		

CapitalDynamics

250







Materiality

Medium low

<5% of total AUM High

Medium High

low

5-10% of total AUM

Medium High

low

One of top 5 exposures or >10% of total AUM



HOT HOUSE WORLD

set	N/A for ho	ot house	world
	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

ility	Extreme Wildfire events
ced	may result in significant
to	material losses for some
and	manufacturing activities
oair,	due to raw material
	scarcity and damage to
	facilities and equipment

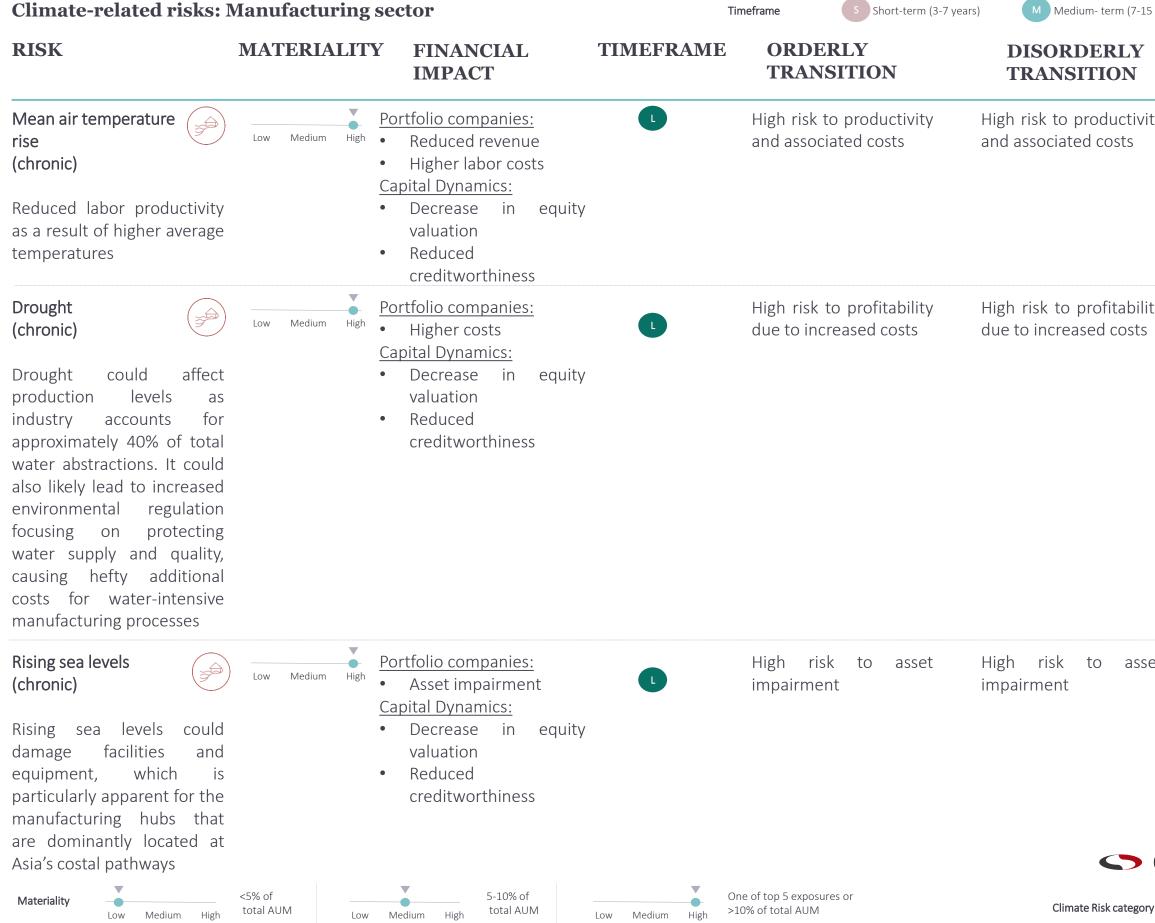
ility	Highest	risk to
IS	profitability,	as flooding
	could cause	e significant
	damage to	facilities and
	equipment	

CapitalDynamics

251







15 yea	ars)
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HOT HOUSE WORLD

vity	Signifi	cant	reduc	ctions	s to
	labor	prod	ductiv	vity o	due
	to			extre	me
	tempe	eratu	res.	High	lest
	risk	to	incre	ase	in
	produ	ction	/ labo	or cos	sts

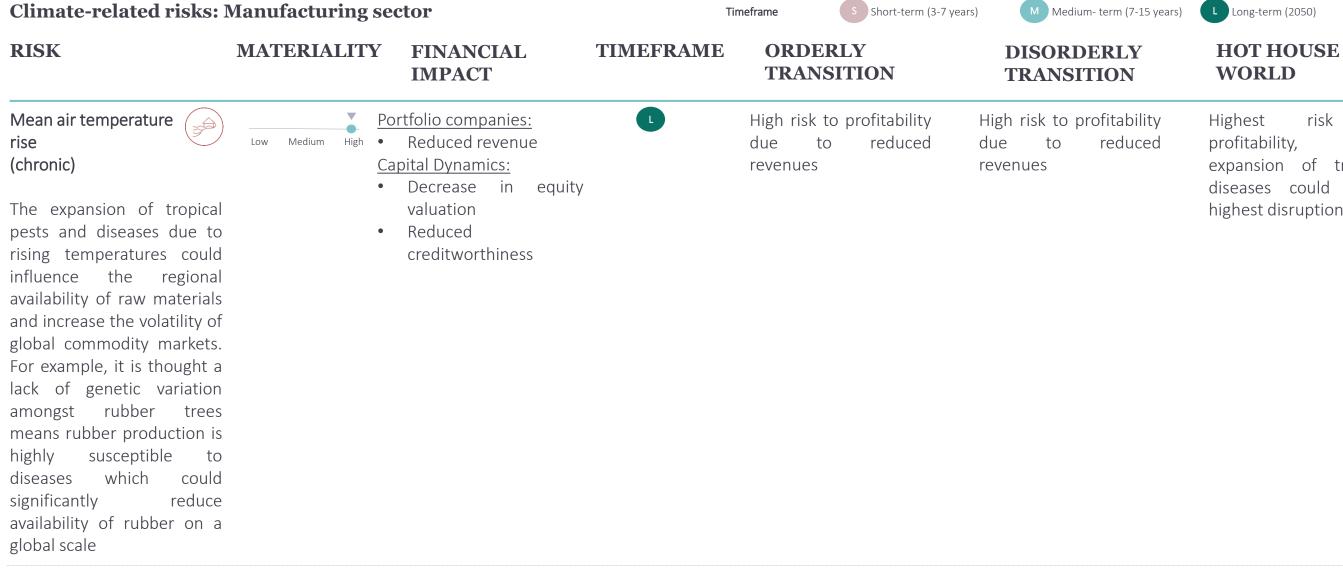
ility	Highest	risk	to
.s	profitability	due	to
	increased co	osts	

sset	Highest	risk	to	asset
	impairm	ent d	ue to	o very
	high rising sea levels			











Low

High

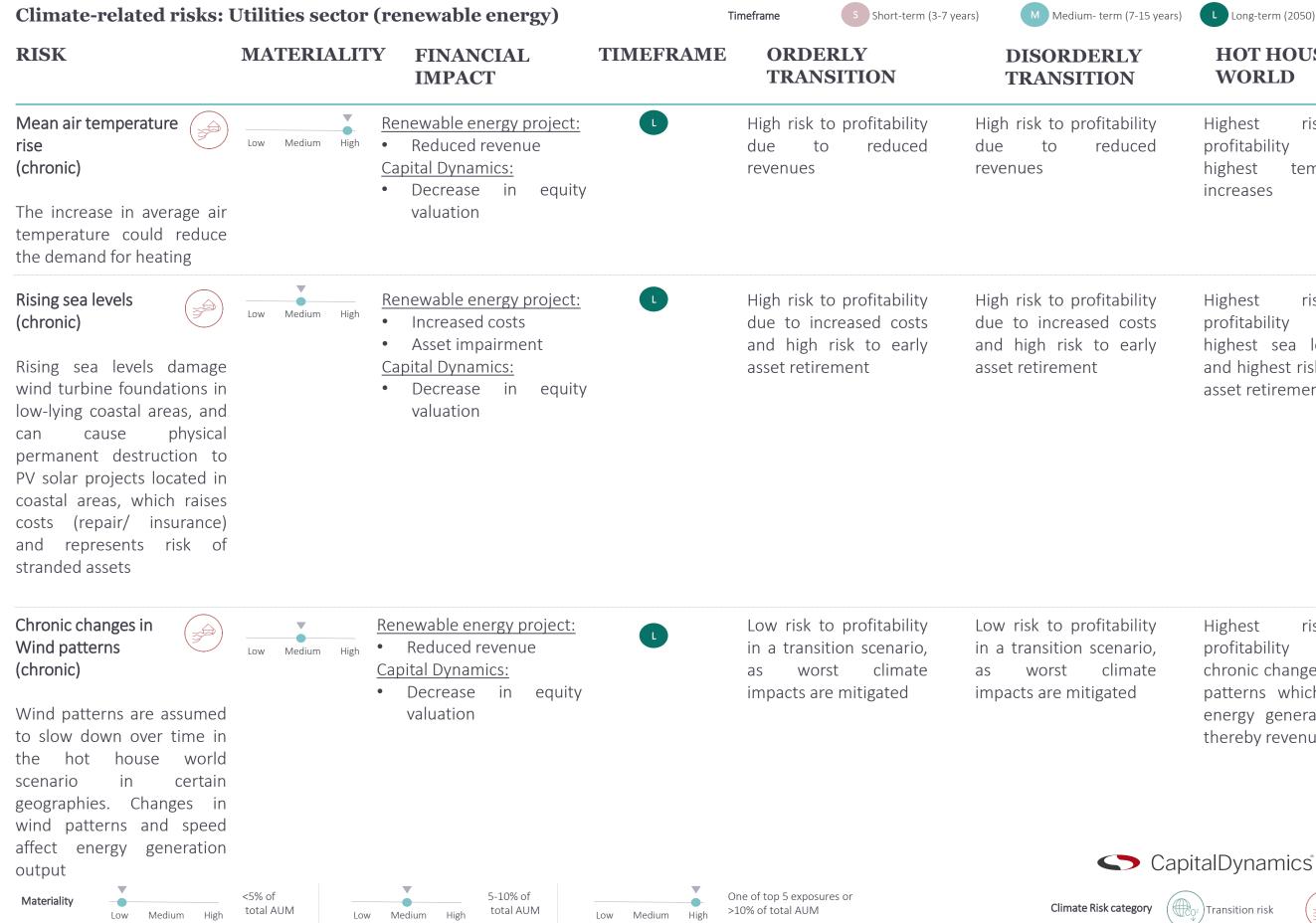
Highest	risk	to
profitabilit	У,	as
expansion	of t	ropical
diseases	could	cause
highest dis	ruptior	١
	profitabilit expansion diseases	Highest risk profitability, expansion of t diseases could highest disruptior





(CO²) Transition risk





L Long-term (2050)

HOT HOUSE WORLD

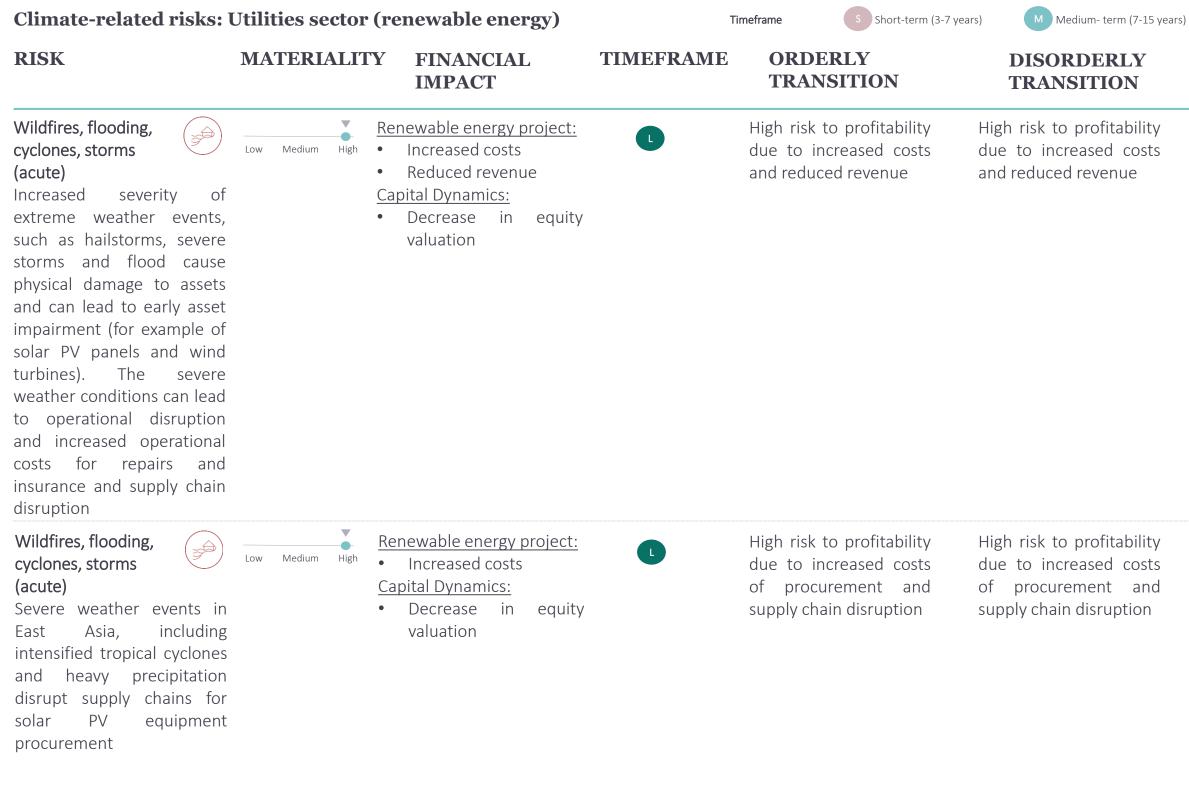
ity	Highest	risk	to
ed	profitability	due	to
	highest	temperatu	ıre
	increases		

lity	Highest	risk	to
,	0		
sts	profitabilit	zy due	to
irly	highest s	ea level	rise
	and highe	st risk to	early
	asset retire	ement	

lity	Highest	risk	to
rio,	profitability	due	to
ate	chronic char	nges in w	ind
	patterns wh	nich redu	uce
	energy gene	eration a	and
	thereby reve	enues	

254





Materiality

Medium low

<5% of total AUM High

Medium High

low

5-10% of total AUM low



HOT HOUSE WORLD

lity	Highest	risk	to
osts	profitabili	ty due	to
	increased	costs	and
	reduced	revenue	and
	frequent	disruptior	ns to
	operation	S	

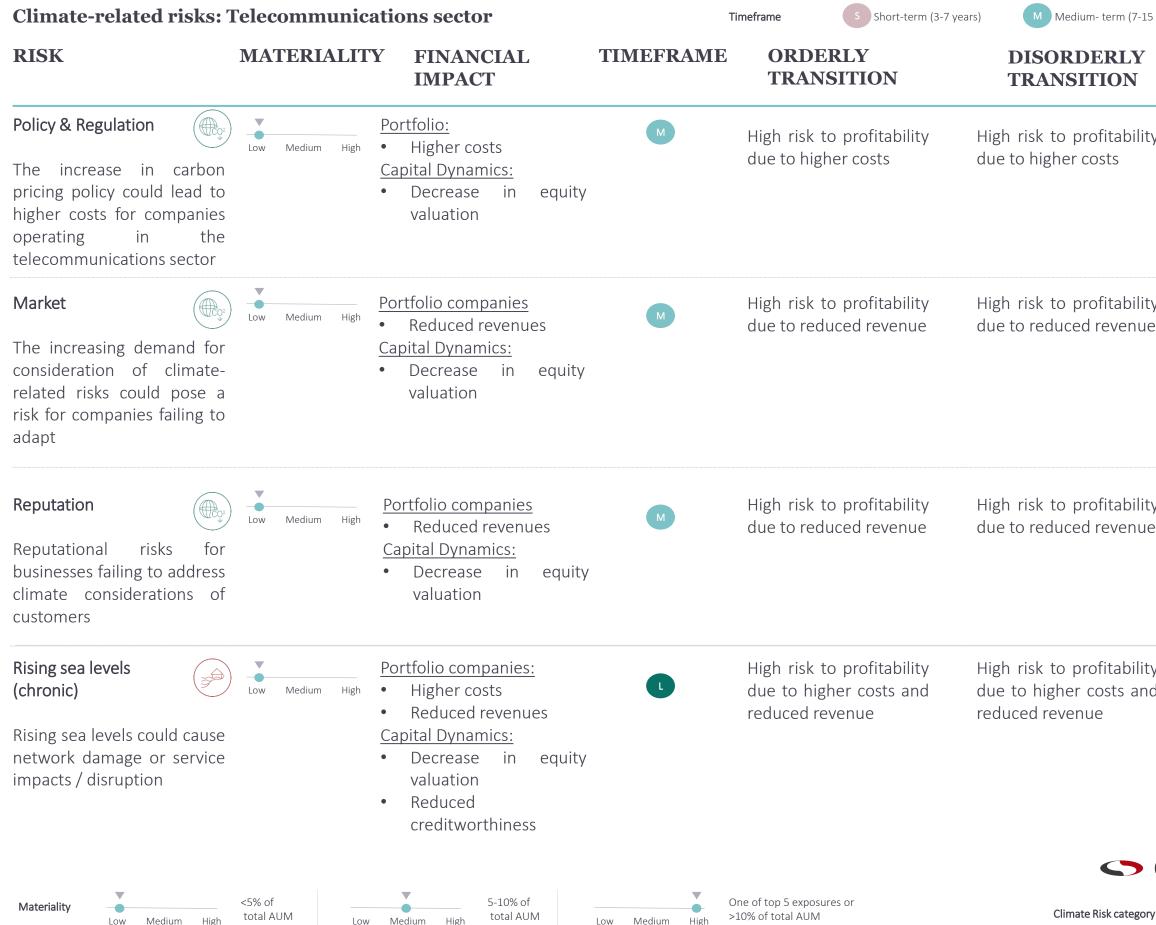
ity	Highest	risk	to
sts	profitability	due	to
nd	increased o	costs as	а
n	result of se	vere sup	ply
	chain disru	ptions	and
	significant	additic	onal
	procuremen	t costs	

CapitalDynamics

255

Transition risk





15	years)
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Long-term (2050)

HOT HOUSE WORLD

ity	N/A for ho	ot house	world
	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

ity	N/A for ho	ot house	world
ue	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

ity	N/A for ho	ot house	world
ue	scenario,	as	no
	transition	to	lower
	carbon	econom	y is
	assumed		

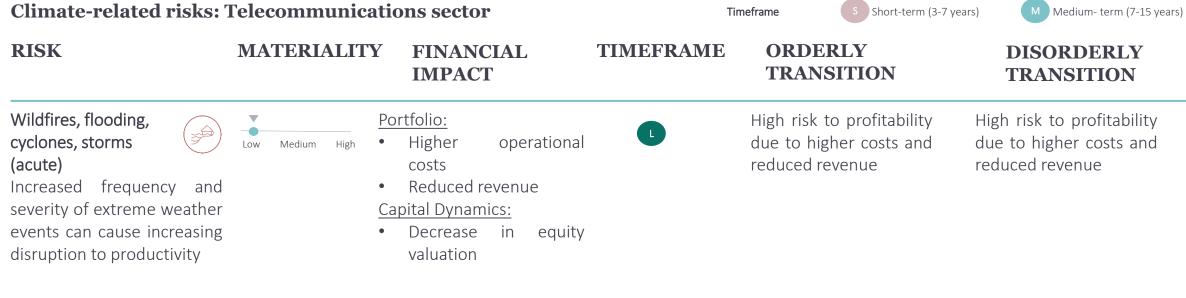
ity	Highest	risk	to
nd	profitability	due	to
	highest im	pact of	sea
	level rises		

CapitalDynamics



Transition risk

Physical risk



Low





Low



HOT HOUSE WORLD

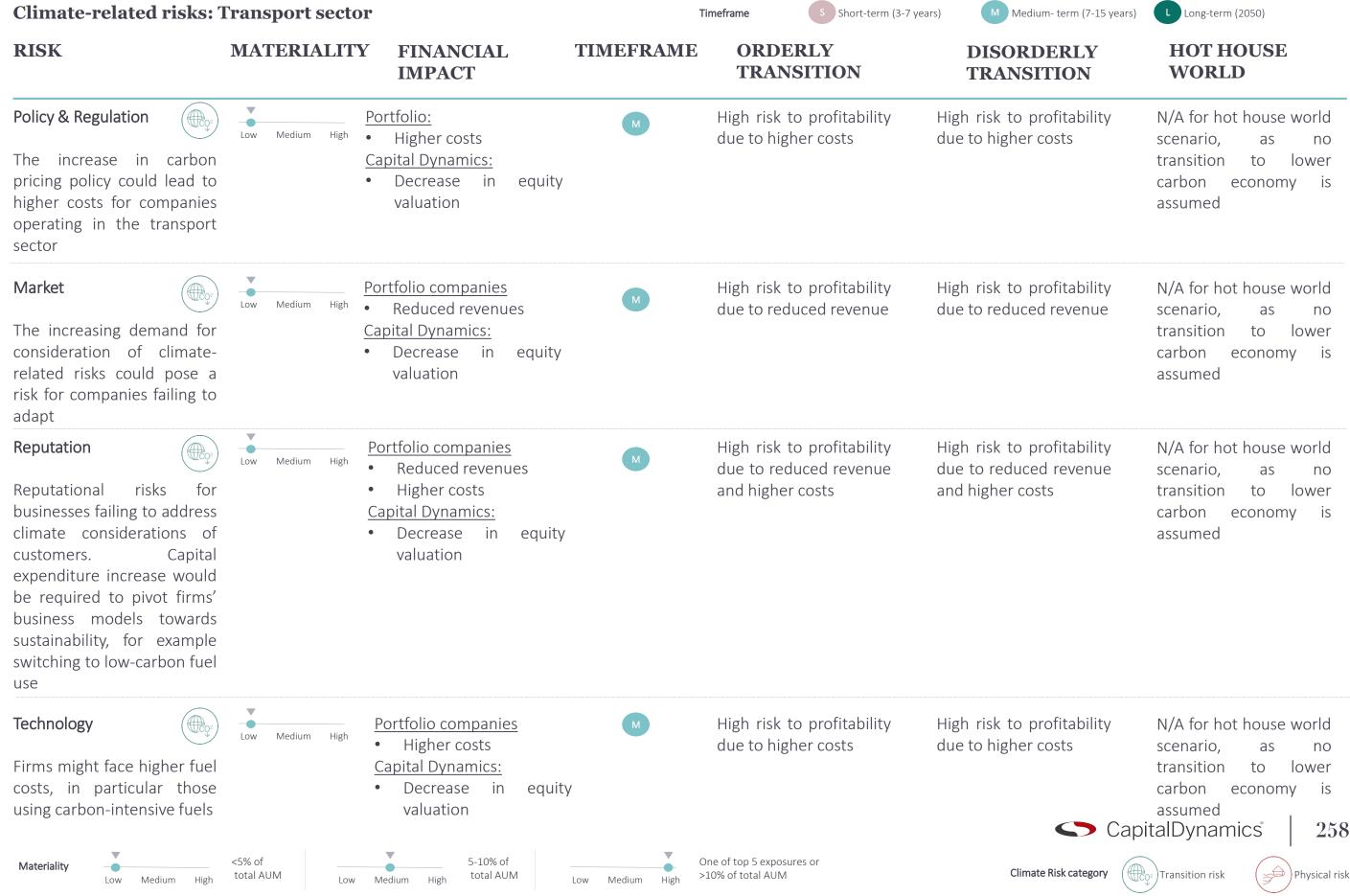
lity	Highest	risk	to
nd	profitabi	lity due	to
	highest	impact	of
	extreme	weather ev	ents
	and t	he resu	lting
	disruptio	n and inal	oility
	to me	et custo	mer
	demand		

CapitalDynamics



Transition risk



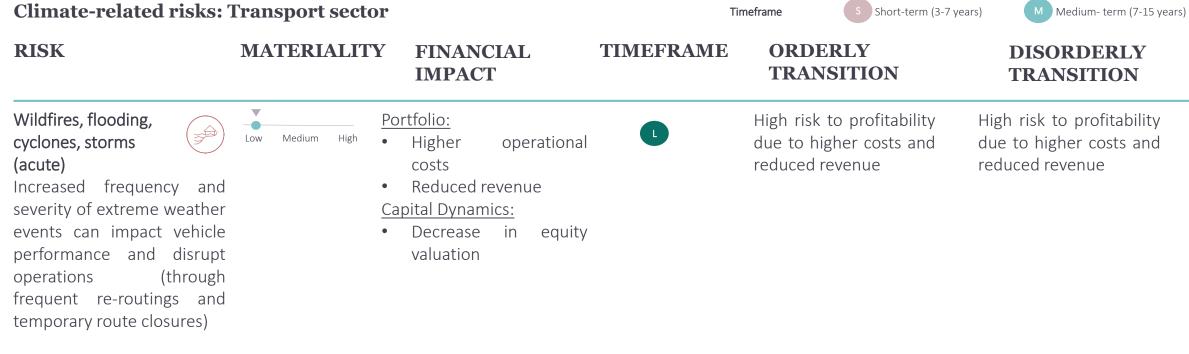


15 years)	
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ity	N/A for ho	ot house	world
	scenario,	as	no
	transition	to	lower
	carbon	econom	iy is
	assumed		

ity	N/A for ho	ot house	world
ue	scenario,	as	no
	transition	to	lower
	carbon	econom	iy is
	assumed		

lity	N/A for ho	ot house	world
ue	scenario,	as	no
	transition	to	lower
	carbon	econom	iy is
	assumed		



Low





Low



HOT HOUSE WORLD

risk Highest to profitability due to highest impact of extreme weather events and the resulting disruption and inability to meet customer demand

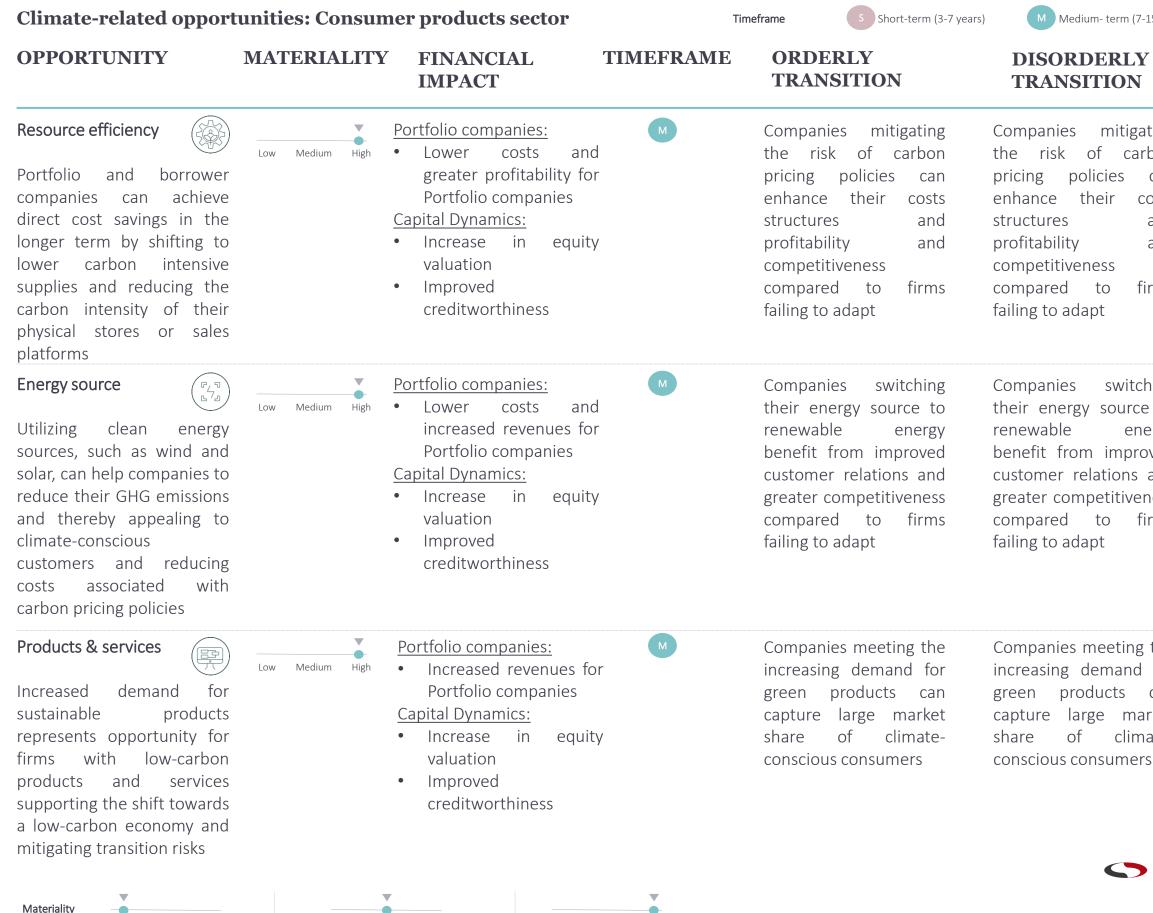






Sector-level climate opportunities





Medium

low

High

Medium

low

High

Low

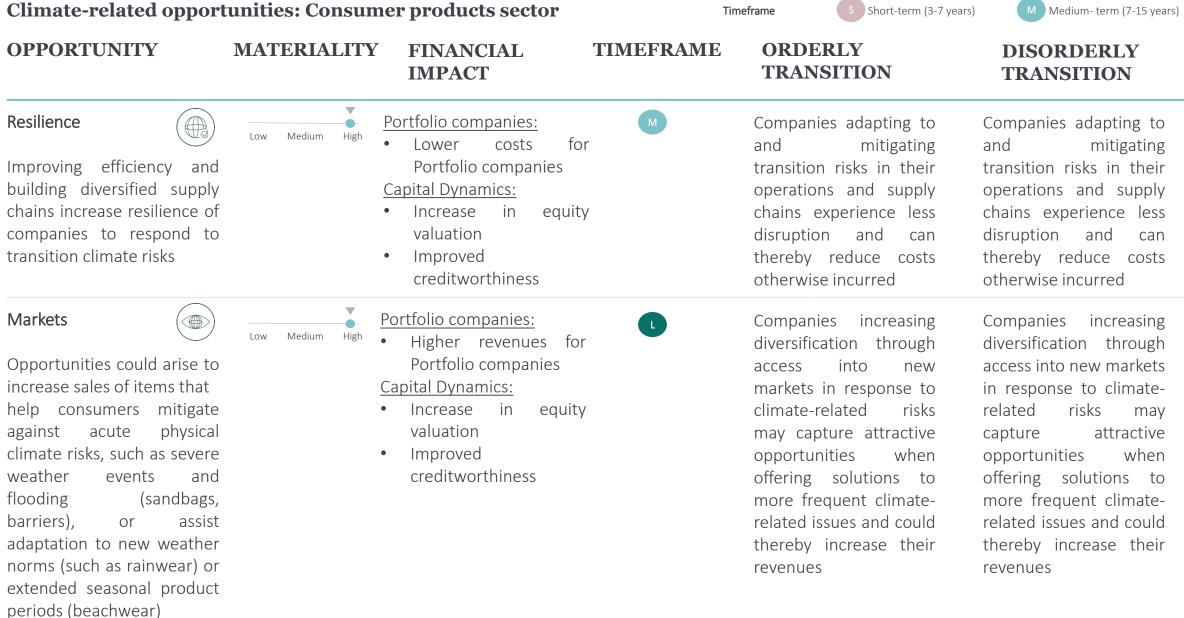
Medium

High

ľ	HOT HOUSE WORLD
ating rbon can costs and and	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
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ergy	transition	to	lower
oved	carbon	econom	y is
and	assumed		
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the	N/A for ho	ot house	world
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can	transition	to	lower
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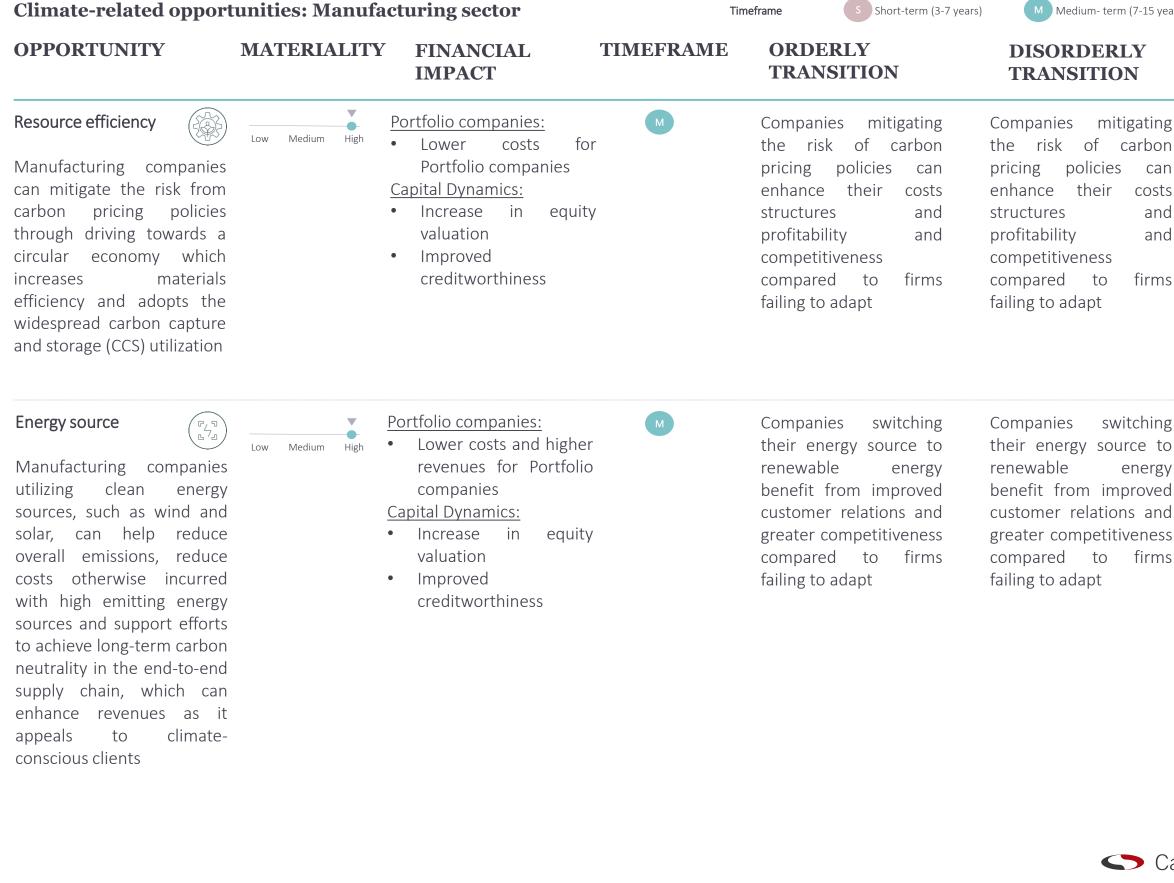
High

L Long-term (2050)

HOT HOUSE WORLD

g to	N/A for ho	ot house	world
ating	scenario,	as	no
their	transition	to	lower
pply	carbon	econom	iy is
less	assumed		
can			
costs			

ising	Companies increasing
bugh	diversification through
-kets	access into new markets
nate-	in response to climate-
may	related risks may
ctive	capture attractive
/hen	opportunities when
to	offering solutions to
nate-	more frequent climate-
ould	related issues and could
cheir	thereby substantially
	increase their revenues



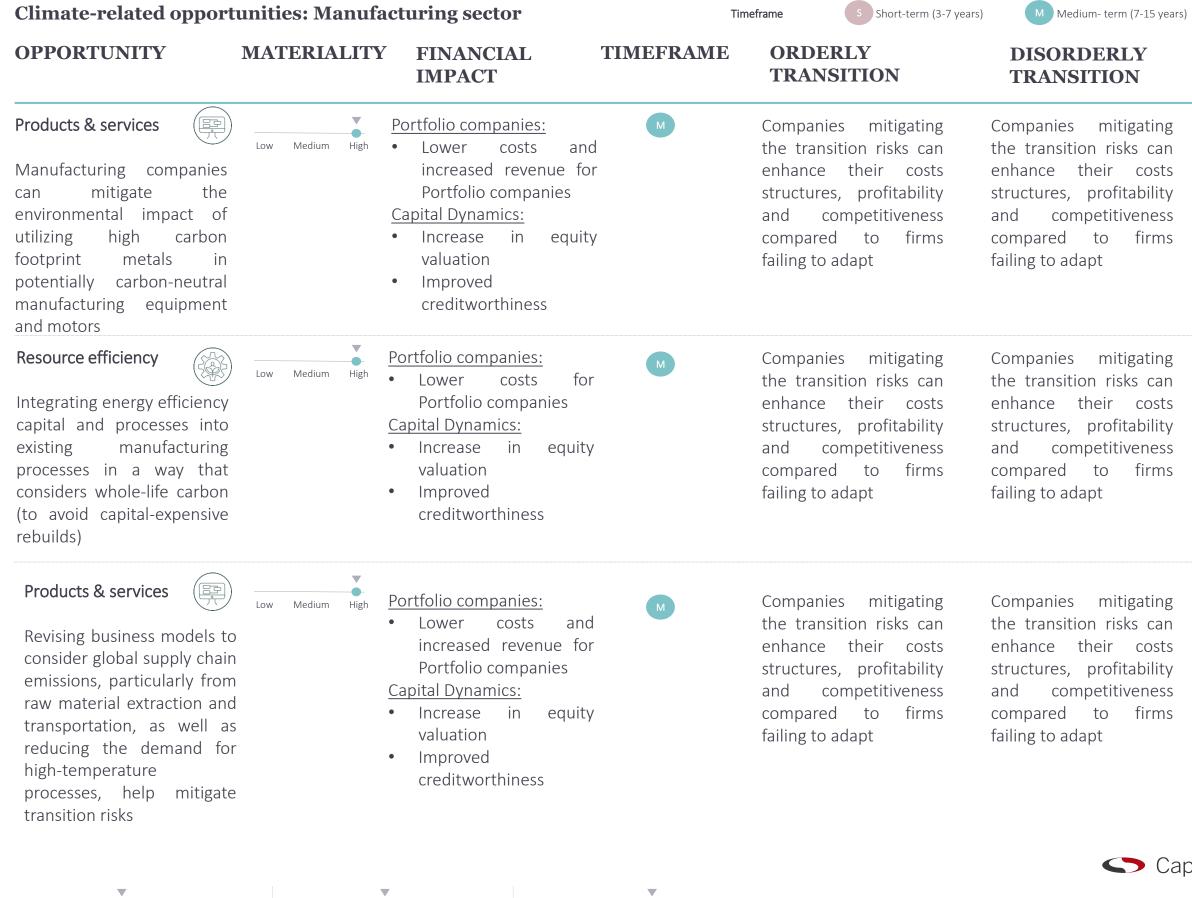
High

15	years)
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Long-term (2050)

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hing	N/A for ho	ot house	world
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ergy	transition	to	lower
oved	carbon	econom	iy is
and	assumed		
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Low Medium

High

Low

L Long-term (2050)

HOT HOUSE
WORLD

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can	scenario,	as	no
costs	transition	to	lower
oility	carbon	econom	y is
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can	scenario,	as	no
costs	transition	to	lower
oility	carbon	econom	y is
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nting	N/A for h	ot house	world
can	scenario,	as	no
costs	transition	to	lower
bility	carbon	econom	ny is
ness	assumed		
irms			

Climate-related oppor	tunities: Manufa	cturing sector	Timeframe S Short-term (3-7 year	ars) Medium- term (7-15 years)	Long-term (2050)
OPPORTUNITY	MATERIALITY	FINANCIAL TIMEFRAME IMPACT	ORDERLY TRANSITION	DISORDERLY TRANSITION	HOT HOUSE WORLD
Resilience Manufacturing companies can adapt to high physical climate risks through investing in more resilient physical infrastructure, significantly diversifying supplier portfolios, increasing the geographical competence of manufacturing operations and creating robust technical systems that can identify future physical stresses (particularly in the case of food manufacturing)	Low Medium High	 Portfolio companies: Lower costs for Portfolio companies <u>Capital Dynamics:</u> Increase in equity valuation Improved creditworthiness 	Companies mitigating the physical climate risks may lower their costs in the long-term by embedding adaptation measures into long-term business planning to better absorb physical shocks of acute and chronic climate hazards	Companies mitigating the physical climate risks may lower their costs in the long-term by embedding adaptation measures into long-term business planning to better absorb physical shocks of acute and chronic climate hazards	Companies mitigating the physical climate risks may substantially lower their costs in the long-term by embedding adaptation measures into long- term business planning to better absorb physical shocks of acute and chronic climate hazards
Resilience	Low Medium High	Portfolio companies:	Companies mitigating the effects of climate	Companies mitigating the effects of climate	Companies mitigating the effects of climate

Manufacturing companies can adapt to the declining availability of certain raw materials (due to physical climate impacts) through diversification of materials used in manufacturing processes, which reduce the supply-side risks associated with one material

- Increased revenue for • Portfolio companies Capital Dynamics:
- Increase in equity valuation
- Improved creditworthiness

the effects of climate change on raw material availability are better placed in the long-run to manage supply chain risks

the effects of clim change on raw mate availability are bet placed in the longto manage supply ch risks



Low Medium High





Low

ting	Companies mitigating
nate	the effects of climate
erial	change on raw material
etter	availability are
-run	substantially better
hain	placed in the long-run
	to manage supply chain
	risks

Climate-related opportunities: Manufacturing sector



MATERIALITY **FINANCIAL**

IMPACT

Resilience



Manufacturing companies can adapt to high physical climate risks and mitigate potential supply chain risks through (1) increasing suppliers where possible, understanding the (2) vulnerabilities, location, and operations of its first and second tier suppliers and adopt strategies to reduce their risk accordingly such increasing inventory as stocks to mitigate acute stresses, (3) assessing the of replacing feasibility parts in its standard manufacturing process, and (4) assessing the ease at which physical machinery and other manufacturing operations can be moved when faced with disaster

High

Portfolio companies:

- for costs Lower • Portfolio companies Capital Dynamics:
- Increase in equity valuation
- Improved creditworthiness



TIMEFRAME

ORDERLY TRANSITION

Companies mitigating the physical climate risks may lower their costs in the long-term embedding by adaptation measures into long-term business planning to better absorb physical shocks of acute and chronic climate hazards and mitigate the risk of supply chain disruptions

Companies mitiga the physical clin risks may lower t costs in the long-t by embed adaptation meas into long-term busi planning to be absorb physical she of acute and chr climate hazards mitigate the risk supply chain disrupt

DISORDERLY

TRANSITION



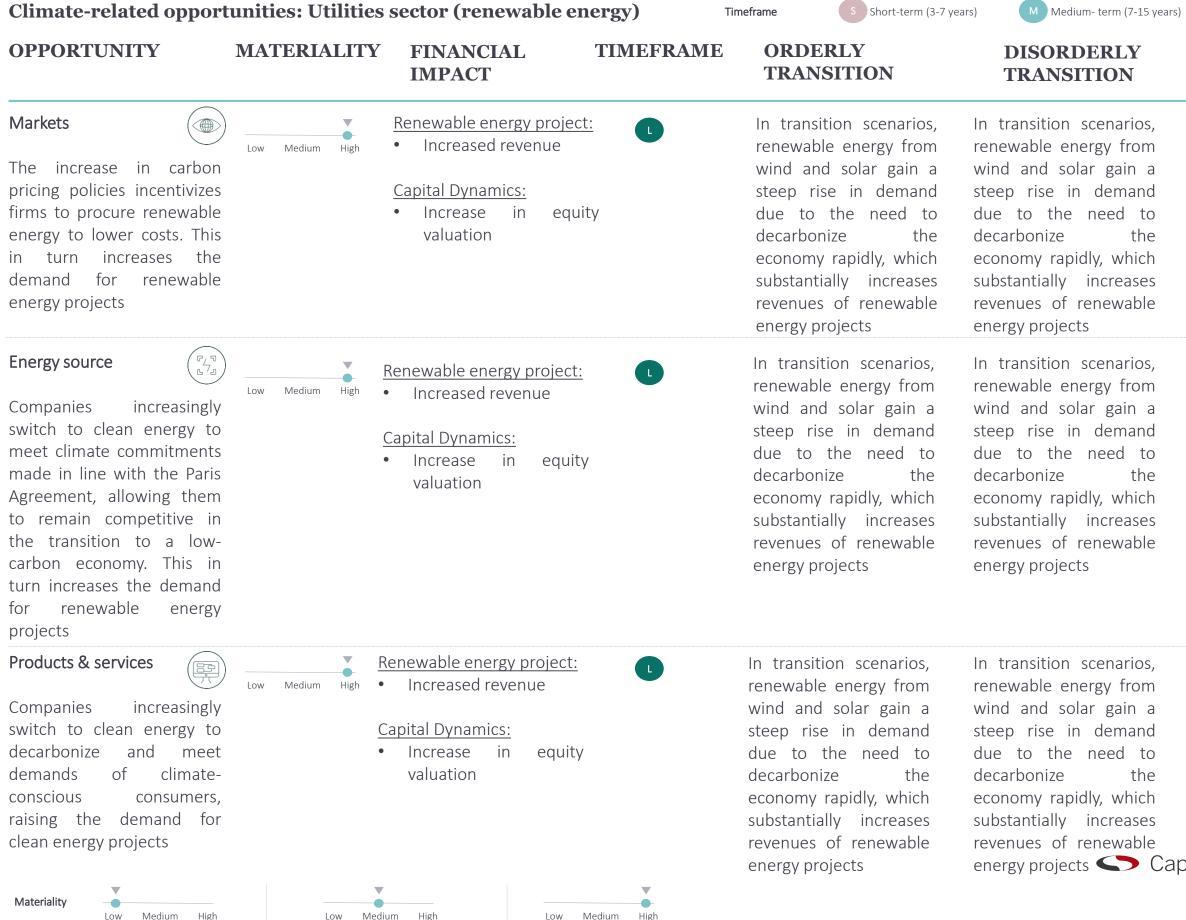
High





HOT HOUSE WORLD

Companies mitigating
the physical climate
risks may substantially
lower their costs in the
long-term by
embedding adaptation
measures into long-
term business planning
to better absorb
physical shocks of acute
and chronic climate
hazards and mitigate
the risk of supply chain
disruptions



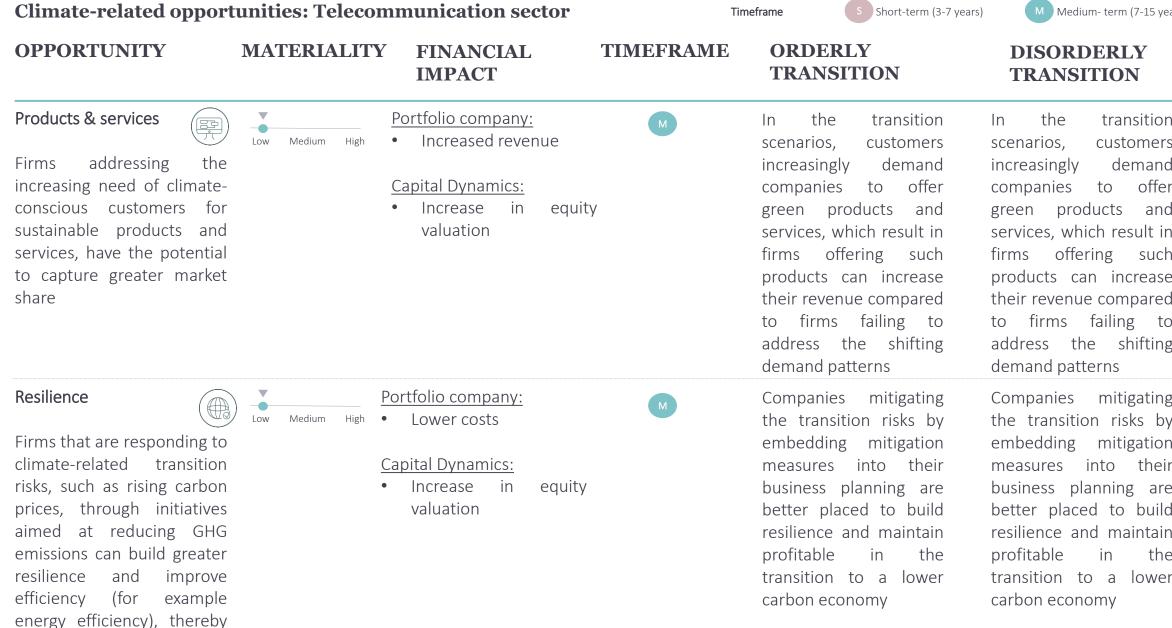
HOT HOUSE WORLD

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nd	carbon	econom	y is
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OS,	N/A for ho	ot house	world

os,	N/A for he	ot house	world
om	scenario,	as	no
а	transition	to	lower
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а	transition	to	lower
nd	carbon	economy	/ is
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Capi [*]	talDynar	nics	267



incurred

High

reducing costs otherwise

15 yea	ars)
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Long-term (2050)

Ϋ́.	HOT HOUSE WORLD
	N/A for hot house world scenario, as no transition to lower carbon economy is assumed
	N/A for hot house world scenario, as no transition to lower carbon economy is assumed



Materiality

High

HOT HOUSE WORLD

ion	N/A for ho	ot house	world
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and	transition	to	lower
ffer	carbon	econom	ny is
and	assumed		
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ting	N/A for h	ot house	world
by	scenario,	as	no
wer	transition	to	lower
tter	carbon	econom	ny is
uild	assumed		
tain			

Methodologies

Methodologies used to assess climate-related risks and opportunities

Physical climate risk exposure

We assess the physical climate risk exposure for our funds and own operations utilizing a variety of specialized tools. The score of the current physical climate risk exposure is defined as follows for the selected indicators:

Tropical cycles



- High: indicates that the cyclone hazard in the selected region is high, i.e. there is a • >20% chance of potentially damaging wind speeds in the region in the next 10 years. Such damages occur due to wind, induced heavy rainfall and subsequent flooding (including coastal flooding at seaside locations)
- Medium: indicates that the cyclone hazard in the selected region is medium, i.e. there is a 10% chance of potentially damaging wind speeds in the region in the next 10 years. Such damages occur due to wind, induced heavy rainfall and subsequent flooding (including coastal flooding at seaside locations)
- Low: indicates that the cyclone hazard in the selected region is low, i.e. there is a 1% chance of potentially damaging wind speeds in the region in the next 10 years. Such damages occur due to wind, induced heavy rainfall and subsequent flooding (including coastal flooding at seaside locations)
- Very low: indicates that the cyclone hazard in the selection region is very low, i.e. • there is less than a 1% chance of potentially damaging wind speeds in the region in the next 10 years
- No data: indicates that for the hazard in the selected region, data is currently • unavailable in the tool used for assessing physical climate risk exposure. Capital Dynamics will monitor the data availability and will update its physical risk exposure assessment when data availability improves

Water stress



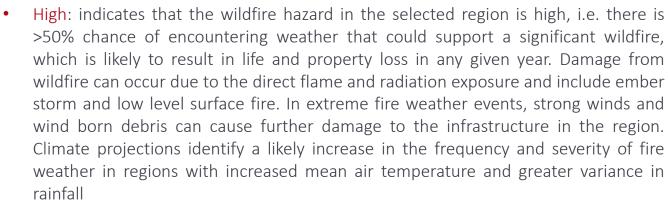
- High: indicates that the water scarcity in the region is high, i.e. droughts are • expected to occur on average every 5 years, which can have an effect on human beings, agriculture and the corresponding food security, and infrastructure
- Medium: indicates that the water scarcity in the region is medium, i.e. there is up to • a 20% chance droughts will occur in the next 10 years, which can have an effect on human beings, agriculture and the corresponding food security, and infrastructure
- Low: indicates that the water scarcity in the region is low, i.e. there is a 1% chance • drought will occur in the next 10 years, which can have an effect on human beings, agriculture and the corresponding food security, and infrastructure
- Very low: indicates that the water scarcity in the region is very low, or virtually non-• existent, i.e. in the selected regions droughts are projected to occur less than once every 1000 years
- No data: indicates that for the hazard in the selected region, data is currently • unavailable in the tool used for assessing physical climate risk exposure. Capital Dynamics will monitor the data availability and will update its physical risk exposure assessment when data availability improves

Data for this hazard are obtained from ThinkHazard. Additionally, for more precise water stress level analysis in U.S. regions, we draw upon data from the Aqueduct Water Risk Atlas. In the Aqueduct tool, baseline water stress is measured as the ratio of total water withdrawals (incl. domestic, industrial, irrigation and livestock consumptive and nonconsumptive use) to available renewable surface and groundwater supplies. Higher values indicate higher competition among water users. Water stress is measured according to the following ranges: Low (<10%), Low-medium (10-20%), Medium-high (20-40%), High (40-80%) and Extremely high (>80%).

Data for this hazard are obtained from ThinkHazard.



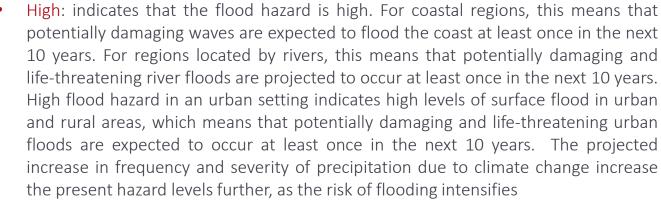




- Medium: indicates that the wildfire hazard in the selected region is medium, i.e. there is between a 10% - 50% chance of encountering weather that could support a significant wildfire, which is likely to result in life and property loss in any given year. Damage from wildfire can occur due to the direct flame and radiation exposure and include ember storm and low level surface fire. In extreme fire weather events. strong winds and wind born debris can cause further damage to the infrastructure in the region. Climate projections identify a likely increase in the frequency and severity of fire weather in regions with increased mean air temperature and greater variance in rainfall
- Low: indicates that the wildfire hazard in the selected region is low, i.e. there is • between a 4% - 10% chance of experiencing weather that could support a significant wildfire, which is likely to result in life and property loss in any given year. Damage from wildfire can occur due to the direct flame and radiation exposure and include ember storm and low level surface fire
- Very low: indicates that the wildfire hazard in the selected region is very low, i.e. • there is a less than 4% chance of experiencing weather that could support a significant wildfire, which is likely to result in life and property loss in any given year.
- No data: indicates that for the hazard in the selected region, data is currently • unavailable in the tool used for assessing physical climate risk exposure. Capital Dynamics will monitor the data availability and will update its physical risk exposure assessment when data availability improves

Data for this hazard are obtained from ThinkHazard.

Flooding



- Medium: indicates the flood hazard is medium, i.e. there is a chance of more than • 20% that potentially damaging and life-threatening floods occur in the next 10 years
- Low: indicates the flood hazard is low, i.e. there is a chance of more than 1% that potentially damaging and life-threatening floods occur in the next 10 years
- Very low: indicates the flood hazard is very low, i.e. there is a less than 1% chance that potentially damaging and life-threatening floods occur in the next 10 years
- No data: indicates that for the hazard in the selected region, data is currently unavailable in the tool used for assessing physical climate risk exposure. Capital Dynamics will monitor the data availability and will update its physical risk exposure assessment when data availability improves

Data for this hazard are obtained from ThinkHazard.





- High: indicates that extreme heat hazard is high, i.e. prolonged exposure to extreme • heat is expected to occur at least once in the next five years. Climate change projections indicate that the continued greenhouse gas emissions will intensify warming, which result in more frequent heatwaves, impacting human beings, agriculture and the corresponding food security, and infrastructure
- Medium: indicates that the extreme heat hazard is medium, i.e. there is >25% chance that at least one period of prolonged exposure to extreme heatwaves will occur in the next five years
- Low: indicates that the extreme heat hazard is low, i.e. there is between a 5% 25% chance that at least one period of prolonged exposure to extreme heatwaves will occur in the next five years
- Very low: indicates that the extreme heat hazard is very low, i.e. there is less than a • 5% chance that at least one period of prolonged exposure to extreme heatwaves will occur in the next five years
- No data: indicates that for the hazard in the selected region, data is currently • unavailable in the tool used for assessing physical climate risk exposure. Capital Dynamics will monitor the data availability and will update its physical risk exposure assessment when data availability improves

Data for this hazard are obtained from ThinkHazard.

Climate projections of physical climate risk hazards under NGFS Net Zero by 2050, NGFS Delayed Transition and NGFS Current Policies (hot house world) scenarios

We assess the physical climate risk projections for a range of acute and chronic climate hazards and analyze how the hazards are modelled to evolve over the following time horizons:

- 2025: climate projections for the short-term (i.e. within the hold period) •
- 2030: climate projections for the medium-term (i.e. post hold period) •
- 2050: climate projections for the long-term (2050) •
- 2100: climate projections for the very long term, since the effects of climate change • often manifest themselves in the long-run

Further, we provide the 2020 value for each climate hazard to approximate the current risk levels. We utilize the Climate Impact Explorer¹ to assess the climate projections for each hazard under the NGFS scenarios. All projections are computed assuming socioeconomic conditions, such as population and land use, will maintain constant levels as of 2005. This allows the analysis to isolate the sole effect of climate change on the climate hazards. The projections provided include uncertainty ranges to incorporate global climate sensitivity to emissions, and the response of localized effects to global warming. The aggregation is performed at the continental, national and subnational levels and use weighted averages (by area, GDP or population).

The Climate Impact Explorer builds on the data sources by ISIMIP (changes in biophysical systems and extreme events, built on the Emissions Scenarios (IAMs), and the Global Mean Temperature Trajectories (MAGICC) and CLMIADA (Direct Damages from Extreme Events). Additionally, trajectories for the NFGS scenarios are obtained from academic institutions in collaboration with the Network for Greening the Financial System. The climate hazard indicators used in our analysis provide information about the projected changes of these hazards according to different levels of global warming and greenhouse gas emissions. Such information is derived from numerous climate impact models. Global mean temperature projections show the various greenhouse gas emission pathways used by the NGFS, which are derived by the three Integrated Assessment Models (IAMs): MESSAGEix-GLOBIOM, GCAM and REMIND-MAgPIE. The NGFS scenarios were last updated in September 2022 and are based on MAGICC7 (in correspondence to the IPCC Sixth Assessment Report (AR6)), and therefore represent the latest climate science projections. The Climate Impact Explorer provides data on climate impacts on biophysical systems, extreme events and resulting economic damages for the NGFS scenarios (1) Net Zero 2050, (2) Delayed transition and (3) Current Policies. **CapitalDynamics** 273



The climate hazards subject to the scenario analysis presented in this report are defined as follows:

Mean air temperature

Absolute change in mean air temperature in selected region, expressed in degrees Celsius (°C). The changes in mean air temperature projections are shown over time at different global warming levels compared to the reference period 1986-2006, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Labor productivity due to heat stress

Relative change in labor productivity due to heat stress in the selected region, expressed in percentage points. The changes in relative labor productivity are shown over time at different global warming levels compared to the reference period 1986-2006, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Land fraction annually exposed to wildfires

Changes in land fraction annually exposed to wildfires in the selected region, expressed in percentage points. The changes in land fraction exposed to wildfires are shown over time at different global warming levels compared to the reference period 1986-2006, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Precipitation

Relative change in precipitation in the selected region, expressed in percent. The changes in precipitation are shown over time at different global warming levels compared to the reference period 1986-2006, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Annual expected damage from river floods

Relative change in annual expected damage from river floods in selected region, expressed in percent. The changes in annual expected damage from river floods are shown over time at different global warming levels compared to the reference year 2015, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Annual expected damage from tropical cyclones

Relative change in annual expected damage from tropical cyclones in the selected region, expressed in percent. The changes in annual expected damage from tropical cyclones are shown over time at different global warming levels compared to the reference year 2015, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results.

Relative change in wind speed

Relative changes in wind speed in the selected region, expressed in percent. The relative changes in wind speed are shown over time at different global warming levels compared to the reference period 1986-2006, based on the selected NGFS scenario (Net zero 2050, Delayed transition, Current Policies). Data after 2060 are indicative model results. Please note, we assess this climate hazard for our Clean Energy wind power assets only.



Index – TCFD recommendations

Index – TCFD Recommendations

DESCRIPTION

RECOMMENDED DISCLOSURES

GOVERNANCE	Disclose the organization's governance around climate-related risks and opportunities	a) b)	Describe the board's oversight of climate-related risks and opportunities Describe management's role in assessing and managing climate- related risks and opportunities	p. 7 p. 8 - 9
STRATEGY	Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material	a) b) c)	Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario	p. 26 -64; 101 - 269 p. 20; 65 - 66 p. 69-70
RISK MANAGEMENT	Disclose how the organization identifies, assesses, and manages climate-related risks	a) b) c)	Describe the organization's processes for identifying and assessing climate-related risks Describe the organization's processes for managing climate-related risks Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management	p. 72-73 p. 76-86 p. 85-88
METRICS & TARGETS	Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material	a) b) c)	Disclose the metrics used by the organization to assess climate- related risks and opportunities in line with its strategy and risk management process Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks Describe the targets used by the organization to manage climate- related risks and opportunities and performance against targets CapitalDynam	p. 90-99 p. 92-99 p. 95 ics 276

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