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HOW TO IMPROVE CLIMATE-RELATED REPORTING

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This supplement Supplement 1: Climate-related reporting practices, the related main report How to improve climate-related reporting: A summary of good practices from Europe and beyond and the second accompanying supplement Supplement 2: Scenario analysis practices have been prepared by the European Lab Project Task Force on Climate-related Reporting (PTF-CRR) for making available in the public domain. The contents of the main report and its two supplements are the sole responsibility of the PTF-CRR. The European Lab Steering Group Chair has assessed that appropriate quality control and due process had been observed and has approved the publication of the main report and its two supplements.

The views expressed in the main report and its two supplements are those of the PTF-CRR, except where indicated otherwise. The main report and its two supplements do not represent the official views of EFRAG or any individual member of the European Lab Steering Group. The main report and its two supplements do not have any authoritative or normative status.

References to specific screenshots from corporate reports as good reporting examples do not imply that the overall climate-related reporting of the associated company is considered to be good. Screenshots from corporate reports may not provide all the relevant information and further information and context may be provided in the associated corporate report. For each screenshot, a reference to the corporate report or other source from which it was extracted, is included.

This supplement, the related main report and the second accompanying supplement include interactive links to facilitate readers accessing the source documents of the good reporting examples and reference material included. All such links were active and functioning at the time of publication.

Questions about the European Lab and its projects can be submitted to EuropeanLab@efrag.org.

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APPENDIX 2: Acronyms and abbreviations



EFRAG receives financial support from the European Union – DG Financial Stability, Financial Services and Capital Markets Union. The contents of the main report How to improve climate-related reporting:

A summary of good practices from Europe and beyond and its two supplements, Supplement 1: Climate-related reporting practices and Supplement 2: Scenario analysis practices, are the sole responsibility of the European Lab Project Task Force on Climate-related Reporting (PTF-CRR) and can under no circumstances be regarded as reflecting the positions of the European Union.





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The PTF-CRR was tasked with identifying good climate-related reporting practices of companies across Europe by examining gaps between the approach companies take to climate-related disclosures and:

- i. the <u>Recommendations of the Task Force on Climate-related Financial Disclosures</u>

 (TCFD recommendations), taking into consideration the climate-related reporting elements of the EU <u>Non-Financial Reporting Directive</u> (NFRD); and
- ii. the related European Commission non-binding <u>Guidelines on non-financial reporting</u> and <u>Guidelines on reporting climate-related information</u> (collectively referred to as NFRD CRR elements).

The PTF-CRR examined the current state of climate-related reporting by a selection of primarily European companies, as well as the current and potential use of climate-related information by investors and other stakeholders.

As discussed in Appendix 2 to the main report <u>How to improve climate-related reporting: Good practices from Europe and beyond</u>, the PTF-CRR reviewed the 2018 climate-related disclosures of over 100 primarily European companies (comprising large cap, mid cap and small cap companies*) to identify good climate-related reporting practices. Whilst the objective of this project was not to perform a compliance assessment of companies' implementation of the TCFD recommendations, it provided some insight on the progress in implementing and applying the TCFD recommendations and the NFRD CRR elements amongst the companies reviewed.

The PTF-CRR developed a review methodology and tested it on a limited number of companies. The methodology consisted of 11 questions based on the TCFD recommendations. Following the testing phase, three additional questions related to NFRD CRR elements were added to the questionnaire, and it was successfully re-tested. Good climate-related reporting practices were identified and were then discussed with over 50 external stakeholders during the outreach process described in Appendix 2 of the main report <u>How to improve climate-related reporting: Good practices from Europe and beyond</u>, to further complement the work of the PTF-CRR.

The examples of good climate-related reporting practices identified through the reviews, including preparer and user perspectives, as well as potential areas of improvement and practices to avoid, are addressed across the TCFD thematic pillars and the NFRD CRR elements, comprising 14 elements in total.

This supplement includes 20 examples from 15 companies. Each example includes the rationale for why it was selected, as well as user and preparer perspectives confirmed by the PTF-CRR outreach activities, outlining positive attributes and areas for improvement. On the next page is an overview of the examples presented.

*Market capitalisation greater than €15 billion (large cap), between €2 billion and €15 billion (mid cap), and less than €2 billion (small cap)

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Company	Supplement section	Sector	Country	Market capitalisation*
ABN AMRO	Metrics and targets	Banks	Netherlands	Mid cap
Allianz	Metrics and targets	Insurance	Germany	Large cap
Atos	Governance	Software & Services	France	Mid cap
Aviva	Governance Risk management	Insurance	United Kingdom	Large cap
AXA	Strategy	Insurance	France	Large cap
CNP Assurances	Strategy	Insurance	France	Mid cap
Enel	Governance Strategy	Utilities	Italy	Large cap
Eni	Governance	Energy	Italy	Large cap
Equinor	Risk management	Oil and gas	Norway	Large cap
Kering	Strategy	Consumer Durables & Apparel	France	Large cap
L'Oréal	Metrics and targets	Household & Personal Products	France	Large cap
M&S	Metrics and targets	Retailing	United Kingdom	Mid cap
SCOR	Governance Metrics and targets	Insurance	France	Mid cap
South32	Risk management	Mining	Australia	Large cap
Vallourec	Governance Strategy	Energy	France	Small cap

^{*}Market capitalisation greater than €15 billion (large cap), between €2 billion and €15 billion (mid cap), and less than €2 billion (small cap).



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GOVERNANCE

EFRAG

TCFD RECOMMENDATION:

Disclose the organisation's governance around climate-related risks and opportunities.

LARGE CAP

MID CAP AND SMALL

RELEVANT NFRD ELEMENTS:

Policies and due diligence processes.

SUPPORTING RECOMMENDED DISCLOSURES AND SELECTED COMPANY EXAMPLES:

DESCRIPTION	MAPPING	COMPANIES	CAP COMPANIES
Describe any company policies related to climate, including any climate change mitigation or adaptation policy.	NFRD – Guidelines on climate-related reporting information	Aviva	SCOR
Describe any climate-related targets the company has set as part of its policies, especially any GHG emissions targets, and how company targets relate to national and international targets and to the Paris Agreement in particular.	NFRD – Guidelines on climate-related reporting information	Enel	Atos
Describe the board's oversight of climate-related risks and opportunities.	TCFD – Governance, recommended disclosure (a)	Eni	Vallourec
Describe management's role in assessing and managing climate-related risks and opportunities and explain the rationale for the approach.	TCFD – Governance, recommended disclosure (b)		

The TCFD and NFRD have specific recommendations regarding the board's oversight and the role of management. The EC <u>Guidelines on reporting climate-related information</u> issued in June 2019, which complement the 2017 EC <u>Guidelines on non-financial reporting</u>, include two additional recommendations compared to the TCFD recommendations.

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These additional recommendations encourage companies to report on their commitment to tackle climate change, asking them to:

- Describe any company policies related to climate, including any climate change mitigation or adaptation policy.
- Describe any climate-related targets the company has set as part of its policies, especially any Greenhouse gas (GHG) emissions targets, and how company targets relate to national and international targets and to the Paris Agreement in particular.

These two recommendations are related to the *Governance* recommendations of the TCFD and the *Policies and Due Diligence Processes* recommendations of the EC Guidelines, as the policies and commitments should be initiated and managed at the company's highest level of representation and decision making (i.e. the board of directors, CEO or president), while also being monitored by the company's corporate governance system. This means that climate policies or commitments should be considered at the highest level, and should be a starting point for developing a climate strategy that will be then implemented by the company's management and overseen by the board of directors.

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GOVERNANCE

RECOMMENDED DISCLOSURE DESCRIPTION

Describe any company policies related to climate, including any climate change mitigation or adaptation policy.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Aviva outlines its climate change policy and the role of its board in overseeing risks and opportunities. The reporting includes a good overview, as well as more in-depth information, of how climaterelated risks have been integrated into the company's strategy. Aviva's reporting is considered good reporting practice since it discloses many issues, policies, tools and scenarios in compliance with the TCFD recommendations.

PREPARER PERSPECTIVE



Aviva's reporting provides transparency on how climate change has been integrated in the company's strategy and policies.



Providing more information on the linkage between governance and the company's business model would be helpful.

USER PERSPECTIVE



们曾 Aviva's disclosures help users to understand how the company incorporates climate-related risks and opportunities into its governance, strategy, risk management and metrics.



The disclosure example provides information about the company's climate-related risks and opportunities.



The disclosures are clear and understandable.

Aviva's Climate Related Financial Disclosure 2018, page 7



Strategy

Our Strategic response to climate change

In our strategic response to climate change, published in 2015, we

- Integrating climate risk into investment considerations Aviva Investors committed in 2012 to integrate ESG factors across all asset classes and regions, to deliver long-term sustainable and superior investment outcomes for our
- Investment in lower carbon infrastructure Aviva the next five years in lower carbon infrastructure.
- Supporting strong policy action Aviva continues to provide strong and vocal support for capital market reform, to mobilise the trillions of pounds required to transition to a low carbon economy and properly correct existing market failures with
- Active stewardship on climate risk Aviva actively engages
- Divestment where necessary Aviva aims to use our shareholder influence to encourage companies to transition to a low carbon economy and divest highly carbon-intensive fossil fuel companies where they are not making sufficient progress towards the engagement goals set.

Alongside this strategic investment response, Aviva has continued to further integrate consideration of climate-related risks and opportunities into our insurance products. We for example:

 Optimise reinsurance programme to mitigate impact of extreme weather risk on our business and customers. Gl. reinsurance is now set on an annual aggregate basis and on a increased frequency of severe weather events. Our exposure to

flood risk for UK residential customers is managed by ceding certain policies to FloodRe. Promote customer awareness and risk prevention

- For example, Aviva Poland has supported the installation of access up to date information about air pollution levels on their
- Help customers to build resilience to extreme weather such which provides a 'build back better' element.
- Provide products and services that support customers' choice to reduce their environmental impact, such as
- Limit our underwriting exposure to the most carbon intensive sectors of the economy through restrictions in the terms of our Group Underwriting Boundaries for sectors such as mining and power generation. In line with our commitments to team has announced an immediate move away from insuring fossil fuel power production to renewable energy generation i

Aviva continues to deliver in all areas of our current climate change strategy. However, the Intergovernmental Panel on Climate Change (IPCC) Global warming of 1.5°C report, published in October 2018' achieved. As a result of this emerging information, the risk of climate tipping points being reached causing runaway warming and our internal analysis of the potential impact of climate change, work is accelerate our ambition to be aligned to the Paris Agreement's goal

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RECOMMENDED DISCLOSURE DESCRIPTION

Describe any company policies related to climate, including any climate change mitigation or adaptation policy.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

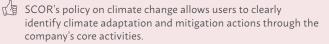
SCOR's climate policy available on its website shows that the company has a climate policy that encompasses its activities and operations. Their disclosure indicates a long-standing and ongoing commitment towards achieving climate resilience and it aims to provide a dynamic framework for the management of the company's environmental impacts.

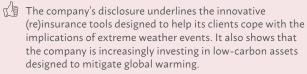
PREPARER PERSPECTIVE





USER PERSPECTIVE





The description of SCOR's approach on climate change helps users distinguish the three levels at which the activities may affect, or be affected by, climate change: addressing the business risks and opportunities presented by climate change; limiting the carbon footprint of their operations; and managing the impacts on the environment that may arise from their role as both a (re)insurer and an investor.



↓ Climate Policy SCOR 2017, page 3



Framework, Principles and Scope

As a reinsurer, SCOR believes that climate change constitutes a major long-term threat because it increases the frequency of extreme weather events, the severity of some natural catastrophes such as droughts, floods, devastating hurricanes, etc., and as a result, the magnitude of losses. Climate change-related risks are also global and systemic in nature: they may include water risks, food insecurity, threats on biodiversity, global health, forced migrations, social tensions and political crises,

SCOR takes into account this risk universe, all the more since its core mission includes protecting people and property from disasters and encouraging environmental sustainability, particularly in an era of global warming.

The SCOR Group believes that (re)insurance, when paired with strong liability laws and regulations, is a highly effective tool to promote sustainability. Consequently, SCOR upholds Sustainable Development as one of its five core values. This belief is anchored in our Code of conduct. It is also embodied in the international commitments and initiatives related to the environment we have embraced for many years.

Being a signatory of the UN Global Compact and of the UNEP-FI PSI from the outset, SCOR acknowledges the high relevance to its business of the Sustainable Development Goals (SDGs) set in 2015 by the UN Agenda 2030. SCOR also supports international sectoral climate-related initiatives such as the French Business Climate Pledge signed in the wake of the Paris Climate Agreement, the Geneva Association's Climate Risk Statement on Climate Resilience and Adaptation, and more recently the Decarbonize Europe Manifesto and the Letter of global investors urging governments of the G20 nations to fully support and implement the Paris Agreement.

SCOR's Climate Policy reflects this longstanding and ongoing commitment towards achieving climate resilience. It aims to provide a dynamic framework for the management o our own environmental impact - both direct and indirect - as well as an active strategy based on our expertise for addressing the many risks and opportunities posed by climate change to

This Policy covers activities carried out by SCOR's companies in the various countries where the Group operates.



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RECOMMENDED DISCLOSURE DESCRIPTION

Describe any climate-related targets the company has set as part of its policies, especially any GHG emissions targets, and how company targets relate to national and international targets and to the Paris Agreement in particular.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Enel's reporting provides information on how its business model supports its path to decarbonisation. The company makes a public commitment to take action against climate change and recognises the impact that the climate has on both the company's performance and society. The reporting highlights that Enel has established a long-term commitment to reach energy mix decarbonisation by 2050, and includes the path to be followed in the short- and mid-term. Its reduction of CO₂ emissions is linked to its remuneration policy (long-term incentive) and is part of the company's general-purpose SDG-linked bond issued in 2019.



Sustainability Report 2018, pages 80 and 87

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Growth across lowcarbon technologies and services

Combating climate change and protecting the

environment are among the responsibilities of a

major global player in the energy industry such as

Enel as we seek to achieve the full decarbonization

of electricity generation by 2050, thereby helping

to achieve the United Nations' SDG 13.

Enel's commitment to combat climate change

and digitalization are redesigning the energy industry in the direction of a new ecosystem that is gradually transforming the traditional model of the utility

It is therefore necessary to promote the combat against climate change, one of the primary challenges we face low-carbon economy. As stated by the World Economic Forum in its 2019 Global Risk Report, climate change is now the leading risk to society and will have a direct impact on long-term business



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PREPARER PERSPECTIVE



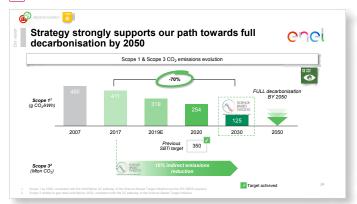
- The disclosure highlights Enel's commitment to adopt a strategy based on meeting the objectives of the Paris Agreement (COP21). Strategic planning and risk management are integrated with sustainability and climate-related issues, providing the opportunity for an in-depth analysis of how the company's strategy could meet even the most demanding stakeholder expectations.
- In a single table, the company shows the path to decarbonisation, the targets and the results achieved.
- Explaining the selection of different base years for the 2020, 2030 targets, as well as setting additional intermediary targets between 2020 and 2030 and beyond, could help provide a more comprehensive decarbonisation roadmap.

USER PERSPECTIVE



- The public targets reported contribute to a better understanding of how the company is planning to meet its long-term commitments, and therefore help users evaluate the company's ability to achieve the ambition it expresses.
- As Enel's ambition target and the progress achieved are verified by independent third parties, users can feel confident about the information released and therefore take data-driven decisions with a higher degree of confidence.
- Publicly disclosing the key assumptions taken into account for setting targets would make it easier to understand the target itself, as well as its ambition and feasibility.

Capital Markets Day Presentation, Strategic Plan 2020-2022, page 24



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RECOMMENDED DISCLOSURE DESCRIPTION

Describe any climate-related targets the company has set as part of its policies, especially any GHG emissions targets, and how company targets relate to national and international targets and to the Paris Agreement in particular.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Atos dedicates a specific section of its Registration Document to 'Supporting the transition to a low-carbon economy', in which it clearly outlines its approach to managing climate change. The description shows that the entire business model is being analysed and contributes to the improvement of environmental performance and the achievement of the United Nations development objectives. CO₂ emissions targets are provided clearly. Moreover, the integrated report includes a table that makes the targets easy to understand visually. Also, at the end of the integrated report, GHG emissions data is provided and links to the GRI index. Links with the Paris Agreement are also mentioned.

PREPARER PERSPECTIVE



Disclosing public targets contributes to increased transparency and credibility for stakeholders in terms of Atos' commitment to reduce GHG emissions.



Take Having a specific table that clearly links commitment, the indicators considered and reference to the relevant standards, makes for both easier compilation and reading.

USER PERSPECTIVE



The availability of public targets contributes to a better understanding of how the company plans to meet its longterm commitments and therefore helps users evaluate the company's ability to achieve its ambition.



ที่ Having a single reporting section that centralises all information relating to climate change helps users understand how the whole model is managed in an integrated manner.



Disclosure of the key assumptions taken into account for setting each target would make it easier to understand the target itself, as well as its ambition and feasibility.

↓ Integrated Report 2018, page 41

→ 3 • BEING AN ETHICAL AND FAIR PLAYER WITHIN ATOS' SPHERE OF INFLUENCE+

CHALLENGE 3	ASPECTS	KEY PERFORMANCE INDICATORS (KPIs)		BY DELOITTE			PERIMETER PER EMPLOYEE	PERIMETER PER TURNOVER
	Compliance and business	Percentage of employees who successfully completed the 'Code of Ethics' e-learning	205-2	4	98%	86%	90%	
	ethics	Number of significant fines (higher than 100k EUR)	419-1	4	0	1	-	100%
Being an ethical and fair player within	Supply chain	Percentage of strategic suppliers evaluated by EcoVadis	A17	4	52%	41%	-	99.99%
Atos' sphere of incluence	Supply Chairi	Total percentage of spend assessed by EcoVadis	A17	4	54%	49%	-	99.99%
	Local impact and		202-2	4	12,596	16,005	100%	
	communities		401-1	4	3797%	not disclosed	90%	-

4 • MANAGING THE CORPORATE ENVIRONMENTAL FOOTPRINT +

						PERIMETER PER EMPLOYEE	PERIMETER PER TURNOVER
		302-3	4	22735	243.41	-	97%
		302-3	4	29.68	32.18	85%	
Supporting the transition to	Carbon impact and climate change	305-4	4	19.28	22.14		97%
a low-carbon economy		305-4	4	2.51	290	89%	
		A14	4	134	124		100%
	Natural disaster	A20	1	100%	not disclosed		100%

Atos | Integrated Report | 2018

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Registration Document 2018, pages 113 and 114

Corporate Responsibility

D.5 Supporting the transition to a low-carbon economy

D51 Environmental extra-financial performance

[GRI 103-1 Energy] [GRI 103-2 Energy] [GRI 103-3 Energy] [GRI 103-1 En [GRI 103-3 Emissions][GRI 302-1][GRI 302-2][GRI 302-3][GRI 302-4][GRI 302-5][GRI 305-1][GRI 305-2] [GRI 305-3] [GRI 305-4] [GRI 305-5]

Atos' environmental program

The main links between Atos Business Model and the major environmental issues concern its datacenters, its offices, business travel, and the solutions and services offered by the Group.

The main opportunities concern both the Group's own progress in terms of operational efficiency and the attractiveness of its offers through the promotion of sustainable solutions that help its clients to progressively resolve their own sustainability issues.

Atos main environmental risks relate to climate change (adaptation and carbon taxes), to natural disasters (extreme natural events), and to energy efficiency and consumption and carbon emissions.

Given Atos' core activities and the materiality analysis regularly updated (D.1.3), the most important impacts relate to energy, travel and greenhouse gases. All these impacts are considered by the Group as challenges and are addressed through the Group's Environmental Program.

Through this Environmental Program, Atos directly contributes to the UN sustainable development Goal number 13 (climate action), 12 (consumption/production) and indirectly to goals 7 (clean energy), 9 (innovation), 11 (smart cities).

Main action plans

The Environmental Program has been in place since 2008. The Environmental Policy, the Environmental Management System (EMS) and the ISO 14001 certification implemented worldwide, are at the heart of the program.

For many years, Atos' main environmental challenges have mobilized the attention of the senior management and have resulted in specific action plans monitored by the Environmental Program's governance team.

These action plans directly address the Group's main risks. opportunities, impacts challenges and are therefore primarily focused on energy, travel and carbon:

- take concrete steps to improve energy efficiency and reduce consumption: gradually improve the energy intensity of our main activities and reduce the average PUE (Power Usage Effectiveness) of our datacenters: ontimize our offices to reduce consumption; increase the share of renewable and
- take concrete steps to reduce the impact of travel: favor new ways of working and remote working tools over travely

transportation means, minimize Atos fleet impact;

- take concrete stens to reduce carbon emissions, in line with Take concrete steps to reduce carbon emissions, in line with climate-science recommendations: gradually reduce the carbon intensity of the Group's activities (metric tons of CO_e per million euros of revenue), offset 100% of the Group's datacenters' CO_e emissions to make its hosting services carbon neutral; switch to renewable and/or low-carbon energy sources wherever it is practical;
- · monitor main office sites' and strategic datacenters' through
- Inform all employees worldwide and involve all main internal functions and divisions to integrate these key challenges into their processes and operations:
- offer new eco-friendly solutions to help the Group's clients with their own sustainable issues and communicate publicly about the Group's environmental objectives, progress and achievements.

Corporate Responsibility

Main commitments

short and medium-term targets are part of the Group's 2021 strategic development plan. The Group's carbon intensity reduction target for 2021 is to achieve a reduction of 7% to 20% (tCO_c per Emillion revenue, 2016 base line, for operational scopes 1, 2 and 3A);

Short and long-term global commitments and targets cover our amin environmental challenges. The Group's currion interesting treatment change, the Group's currion interesting treatment change. The Group's carrion interesting venturion target captures energy, travel and carbon impacts in one single meta-commitment. It is cascaded into two sets of transpers. world effort to limit the rise of climate change below 2°C. In world effort to limit the rise or climate change below z-c. ii 2019, the SBTI will send out additional recommendations following the last IPCC report publication (SR15 report -October 2018).

Main results

To track the progress, 60 specific key performance indicators collected worldwide at more than 400 office locations and datacenters are in place. The main results regarding energy, travel and carbon are:

- global energy intensity: at the end of 2018, the Group energy intensity was 222.07 GJ per € million revenue (227.35 in 2017 and 243.41 in 2016);
- data centers energy efficiency: at the end of 2018, the average PUE (Power Usage Effectiveness) was estimated at 1.74 for all Atos IDM datacenters and at 1.62 in 2018 when considering only the strategic datacenters (GRI302-5);
- low-carbon energy: in 2018, over 95% (90% in 2017) of the electricity consumed by Atos' IDM strategic datacenters (owned and operated by Atos, co-location excluded) was supplied by decarbonized sources and around 57% from
- global travel intensity: at the end of 2018, the global travel intensity was 4,662 km per year per employee (4,685 km in 2017, 5,614 in 2016 and 6,114 in 2015);
- global Carbon emissions: during the period 2008-2015, Atos achieved 50% in carbon reduction (both in absolute terms and in intensity). Between 2016 and 2018, Atos reduced its carbon intensity by above 15% versus 2016;
- . carbon offsetting: since 2010. Atos IDM has offset 100% of its datacenter's residual CO₂e emissions through dedicated offsetting programs. In 2018, Atos has offset a total of 103,608 tons of CO₂e;
- global environmental monitoring and certification: at the end global environmental monitoring and certification: at the end of 2018, a global EMS (Environmental Management System) covers the full Group and around 85% (80% in 2017) of Atos' main sites (data centers and offices) are 150 14001 certified or have already entered the certification process.

Recognition

III 2015, Nuos was recugnized up limity key pieyets Such as time CDP (Carbon Disclosure Project), EcoVadis and the DJSI (Dow Jones Sustainability Index), as a global leader within the IT sector, based on its actions to tackle its environmental impacts, reduce its carbon emissions and mitigate the business risks of climate change:

- CDP: Atos was recognized as a global leader within the IT © CDP: Atos was recognized as a global leader within the IT sector on the 2018 CDP Climate Performance Leadership Index and was awarded an "A-" grade worldwide. For the sixth consecutive year our Scoring Level (Disclosure, Awareness, Management, Leadership) demonstrates our high level of environmental stewardship, and the quality of our actions and approaches in managing climate change
- In 2018, Atos was recognized by many key players such as the EcoVadis: Atos 2018 overall environmental performance was evaluated by EcoVadis and received an overall score of 80/100, compared to 40/100 for all companies in our activity sector. Atos was awarded a gold medal in recognition of its sold or sold o
 - DJSI: Atos 2018 overall environmental performance was evaluated by the DJSI and received an overall score of evaluated by fine 1053 and received an overall score of 37/100, compared to an industry median score of 31/100. Atos was selected both in the World and Europe Indices and ranked #1 for its Sustainability Leadership position in the software and services industry group.

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RECOMMENDED DISCLOSURE DESCRIPTION

Describe the board's oversight of climate-related risks and opportunities.

Describe management's role in assessing and managing climate-related risks and opportunities and explain the rationale for the approach.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Eni's report clearly describes the documents/initiatives related to climate change that are approved or examined by the board. These include, for example, the GHG Action Plan with investments to meet emissions reduction targets. The committees supporting the board on climate-related matters are clearly described.

PREPARER PERSPECTIVE



Eni shows its climate-related governance and management model predominantly through operational and descriptive corporate information about the processes. This methodology is used by the reporting company to govern and monitor/ manage climate change risks and opportunities.



(有 Eni's disclosures make it possible to evaluate whether or not climate-related issues receive appropriate board and management attention

USER PERSPECTIVE



Users can see that the Eni board has the appropriate information, skills, experience and incentives to support their evaluation and enable the transition to decarbonisation.



The Eni's disclosures let readers understand the processes and policies used for climate change governance, the company's governance choices, as well as how policies are executed, who is involved and what decisions result from those policies.



It would be helpful to explain how the different board committees interact and work together.

Path to decarbonisation - Eni for 2018, page 4



↓ Annual Report 2018, page 108

CLIMATE GOVERNANCE

ROLE OF THE BOARD OF DIRECTORS AND BOARD'S COMMITTEES

The Board of Directors' (BoD) plays a central role in managing the main aspects linked to climate change. In particular, on the proposal of the Chief Executive Officer (CED), the Board of Directors examines and/or approves:

→ Objectives related to climate change and energy transition, as an integral part of business strategies;

- → The "GHG Action Plan" with investments to meet emission reduction targets by 2025;
 → The portfolio of Eni's top risk, including climate change;
- → The Short Term Incentive Plan with targets related to the reduction of GHG emissions for CEO and managers with strategic responsibilities2
- → Annual sustainability results, including the sustainability report (Eni for) and the HSE review, cluding climate change performances
- → Institutional reporting, including the Interim Consolidated Report and the Annual Financial Report
- (including the Consolidated Disclosure of Non-Financial information); → The relevant projects and their progress, on a half-year basis, with sensitivity to Eni and IEA SDS
- → Resilience test on all upstream Cash Generating Units (CGUs) applying the IEA SDS scenario;

It addresses the integration among strategy, evolution scenarios and business sustainability over the medium to long term and examines the scenario for preparing the Strategic Plan. During 2018, the SSC discussed in detail climate change issues at all meetings, including the decarbonization strategy, energy scenarios, renewable energies, research and development to support the energy transition, climate partnerships and water resources and biodiversity issues."

ON THE SUBJECT OF CLIMATE CHANGE THE

OF DIRECTORS:

SUSTAINABILITY

AND SCENARIOS

COMMITTEE, CONTROL

AND REMUNERATION

It proposes to the BoD the general criteria for the annual incentive of the CEO and managers with strategic responsibilities, which include specific objectives associated with the reduction of GHG

and Eni's CEO. Composed of international ex nds in energy markets, geopolitics, innov

utive Officer. In 2018, Eni also contributed to the

the training initiatives for the Board of Direcons were held through visits to laboratories to the Zohr plant in Egypt on the occasion of the s of the Sustainability and Scenarios Committee

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GOVERNANCE

RECOMMENDED DISCLOSURE DESCRIPTION

Describe the board's oversight of climate-related risks and opportunities.

Describe management's role in assessing and managing climate-related risks and opportunities and explain the rationale for the approach.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Vallourec's Registration document describes how the issues related to climate change are approved or examined by the board. These include, for example, Vallourec's Sustainable Development Charter and the Group's Environmental and Carbon Policies. The committees that support the Supervisory Board on climate-related matters are described. The report also shows how management is involved in the process of managing sustainability, environmental and climate change risks and opportunities and how these are taken into account in business decisions.



↓ 2018 Registration Document, page 72



Introduction

At the end of 2018, the Supervisory Board decided to create a new At the end of 2018, the SupervisoryBogard decided to create a new special committee in charge of assisting it is assess movilving a Corporate Social Responsibility (CSR) strategy. This new committee is responsible or ensuring that the Group best articipates the challenges, opportunities and non-financial risks associated with its business in order to promote long-term and harmonious value creation.

In the past decade, the Group has made strong commitments in these In the past decade, the Group has made strong commitments in these areas, it particular with the 2008 signiling, along with a global emicytive representation organization, or its "principles of responsibility" and becoming a signility to the Lintert Nutrions Global Compact in 2010. It has also algred several commitments to promote climate action and the circular concurry, under joint intellities with the Aley, the Model and the Carcial feel Production, as well as the Socialisation be beed compact and control of the Carcial feel Production, as well as the Socialisation be beed compact and control of the Carcial feel Production, as well as the Socialisation becomes control of the Carcial feel Production and the Carcial feel Production (Socialis and Carcial feel Production Carcial feel Prod adopted a "carbon policy" to mobilize the Company on the many facets of these issues.

In this context, the Group must formalize its commitments to promote the Sustainable Development Goals the UN defined in 2015. Specifically, and based on the proposals of the CSR Committee, the Group could make commitments towards four goals:

- goal 5, to achieve gender equality and empower all women and girls:
- goal 7, to ensure access to clean energy, including cleaner fossil energies, and promote energy efficiency;
- goal 8, by confirming its commitment to respect labor rights and offer safe working conditions for all categories of workers; and
- goal 12, to promote sustainable production methods by significantly limiting the need for natural resources.

Each of these goals will be associated with an indicator and with a 2030 target, and the means needed to achieve them will be indicated.

More generally, the medium/long-term CSR objectives will be set and published in 2019.

The Malance Circus has leng taken a preactive approach to corporate expression of the Sustainable Development Department has been responsibly followed, in an effort to act repossibly Molance approach to these social lessues is formalized in the Group's Sustainable Development Charter, which is available at warvariations community of the State of Conference Social Responsibility (CSR), which is integrated and Corporate Social Responsibility (CSR). 1. Since 2014, it bisutainable Development Department has been implementing a strategic five year plan for Sustainable Development and Corporate Social Responsibility (CSR), which is integrated into the strategic guidelines of the Group, updated armusity and monitored by the Supervisory Board. Accordingly, the strategic plan was presented to the Executive Committee in July 2018. It was broken down by specific priorities for each of the four Regions. It was also presented to the Board's CSR Committee

It relies on the following seven cornerstones:

- strengthening governance in Sustainable Development and CSR;
- setting medium-term objectives:
- Increasing consideration of Sustainable Development issues in the Group's business model;
- involving more employees in their daily actions to promote CSR:
- developing the Group's social commitments:
- strengthening ongoing actions for progress; and
- obtaining institutional recognition of the efforts made.

Accordingly, in strengthening governance in Sustainable Development matters, in 2016 the Group prepared, with the aid of a specialized consultant, its "materiality analysis" in an effort to identify the issues it faced, both from the perspective of its management and that of its stakeholders. The analysis, which was conducted using proven methodology, allowed the Group to get the opinion of our main stakeholders on the 30 issues that had been identified as important and specific to the Company's particularities. The opinion gathering and specific to the Company's particularities. The opinion gathering process was based on questionnaires and interviews, with senior executives, employees, investors, customers, suppliers, NGOs and the media. In all, 200 questionnaires were sent with a total response rate of nearly 60%. The results of the analysis are as follows:

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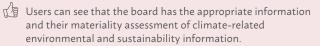
GOVERNANCE

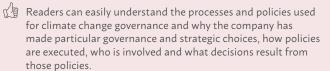
PREPARER PERSPECTIVE



- The report discloses how often teams inform board committees about climate change issues, which shows how the evaluation of climate-related issues receives the appropriate attention from the board and management.
- The report covers most of the necessary disclosures and contains several good reporting practices, including a table that associates different categories of non-financial information with the corresponding risks, policies and KPIs.
- The company demonstrates how climate-related information flows between corporate teams, management and the board and how this information influences business decisions in line with sustainable development and environmental strategies.

USER PERSPECTIVE





The level of disclosure is useful because it explains who coordinates and leads the initiatives and how working groups monitor and manage climate information and projects.

The state of the s relevant parts of the report.



↓ 2018 Registration Document, page 101

Corporate social responsibility information

4.2.4 Environmental commitment

The main environmental risks are described in Section 5.1.2 "Operational 4.2.4.1 General environmental policy risks" of this Registration Document.

The environmental data included in the environmental reporting for 2018 concerns all of the subsidiaries controlled by the Group, noting that those of Vallourec Tianda (Anhui) Co., Ltd (formerly Tianda Oil Pipe) (China), acquired in late 2016, have been taken into account. The Tianda plant has indeed been subject to numerous progress actions including in the environmental domain, in an effort to gradually bring it

considered independent production workshops. This concept better accounts for the level of activity of the production units than metric tons shipped for two reasons. On the one hand, because it is more representative of the flows and stages of production, and on the other, because it is less affected by changes in inventory.

For this 2018 assessment, the Group chose to consider Vallourec's the objective of manufacturing seamless steel tubes, and providing the associated services. This "sector-specific" approach is found in the "CDP Climate" questionnaire structure to which Vallourec responded in 2018, and in the -Science Based Targets" approach Vallourec has decided to adopt.

Accordingly, the Group's "Metal Processing" business line requires mastery of the following four activities:

- "Mine": extraction of iron ore from the Vallourec Mineração mine to supply the Brazillan steel mills (the Pau Branco mine is located in the State of Minas Gerais. It has a total area of 1,373 hectares, of which 32% is industrial area, 20% is an environmental protection region, and 48% is unused space):
- "Forget": operation of a purculantue forget in Brazil /Florgetall and manufacturing of charcoal to supply Brazilian blast furnaces and the Jeceaba pelletization unit;
- manufacture of iron ore "nellete" to europy the Jacobha etcel mill Valourse operates a peletization unit three to improve the yield of the blast furneces. This facility, which operates at normal against a communications and sharing among all Group entities, acquably, also supplies other Brazilian steel manufactures, a
- . production of steel in the United States and Brazil to supply steel hillets to the rolling mills:
- "Tubes": manufacture of seamless steel tubes and their accessories (connections, etc.) in rolling mills, heat treatment units, finishing units, and the associated services provided to customers.

On a like-for-like basis, namely by integrating the 2017 data from the Vallourec Tianda (Anhui) Co., Ltd (formerly Tianda Oil Pipe) (China) variouse randa (vinui) Co., Ltd (comeny I sainda ou in Pelpi (chimip) plan, the production expressed in metric tors processed increased from 5,245 in 2017 to 5,524 in 2018, i.e., a 5,3% increase. During the same time, the tube sales volume went from 2,256 kilotons in 2017 to 2,364 kilotons in 2018, which represents a 4,8% increase.

Vallourec's manufacturing policy is to minimize the impact of its activities on the environment. This commitment is clearly explained in the Sustainable Development Charter published by the Group in 2011, the Sustainable Levelopment Charter proteined by the varioup in 2011, and in the Group's Environment Policy, which was signed by the Chairman of the Management Board and published in 2014. Valicures strengthened its commitment to the climate by coopinging in late 2017, along with 89 other French businesses, a new version of the French Susiness Climate Piedge, to contribute to a low-carbon economy, it also published its carbon policy in early 2018 (see below).

In 2013. Valloured created a five-year environmental maximan for each

in 2013, valoured created a tive-year environmental risoamap for sea of the following three industrial divisions: Uperterm, OCTG and Valloured Tubos do Brasil, which became VSB. These roadmaps constitute a strategic Environmental plan and identify targeted environmental projects (energy, water, waste, chemical hazards and noise) whose purpose is to minimize the Group's environmental footprint. They focus on defining objectives, determining the necessary resources (including capital expenditures to be made), promoting progress and cost savings, and expenditures to be madel, promoting progress and cost savings, and partial priorities. They are monitored regularly and updated each year. Their horizon is extended annually ind. Give early 2017, these roadmaps have simultaneously been adopted by the new Europe-Arica, Middle East and Asia, North America and South America regions?

Environmental management

In accordance with Group rules and guidelines, the Director of each site is responsible for setting up an effective environmental management system that is tailored to the local context and the site's activity. The Director appoints an Environment Manager who heads up all action

The Environment Department, reporting to the Sustainable Development Department, coordinates all environmental initiatives, it is supported by the Environment Managers of the regions and production sites, who are

- incentives for entities to improve their environmental performance

These structures exist in all of the countries. The objective of this Interest structures sixts if all of the countries. The objective of the department consists of structuring the organizations by region or country in order to better take into account the specific national regulations. Under the Transformation Plant, the global workforce now totals approximately 45 full-time equivalent people for the Group as a whole.

Exchanges among the countries are continuing to develop, fostering solutions, particularly during regional environmental conferences

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STRATEGY

TCFD RECOMMENDATION:

Disclose the actual and potential impacts of climate-related risks and opportunities on the organisation's businesses, strategy and financial planning where such information is material.

RELEVANT NFRD ELEMENTS:

Business model.

Principal risks and their management.



DESCRIPTION	MAPPING	LARGE CAP COMPANIES	MID CAP AND SMALL CAP COMPANIES
Describe the principal climate-related risks the company has identified over the short, medium and long term throughout the value chain, and any assumptions that have been made when identifying these risks. This description should include the principal risks resulting from any dependencies on natural capitals threatened by climate change, such as water, land, ecosystems or biodiversity.	TCFD – Strategy, recommended disclosure (a) NFRD – Principal risks and their management	Enel	Vallourec
Describe the impact of climate-related risks and opportunities to the organisation's business model, strategy and financial planning.	TCFD – Strategy, recommended disclosure (b) NFRD – Business model	Kering	
Describe the ways in which the company's business model can impact the climate, both positively and negatively.	NFRD – Business model	_	
Discuss how resilient the business model and strategy are to climate-related risks and opportunities, taking into consideration a transition to a lower-carbon economy consistent with a 2°C or lower scenario and a greater than 2°C.	TCFD – Strategy, recommended disclosure (c) NFRD – Business model	AXA	CNP Assurances



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SUPPLEMENT 1: CLIMATE-RELATED REPORTING PRACTICES

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APPENDIX 2: Acronyms and abbreviations

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Kering

AXA

STRATEGY

RECOMMENDED DISCLOSURE DESCRIPTION

Describe the principal climate-related risks the company has identified over the short, medium and long term throughout the value chain, and any assumptions that have been made when identifying these risks. This description should include the principal risks resulting from any dependencies on natural capitals threatened by climate change, such as water, land, ecosystems or biodiversity.

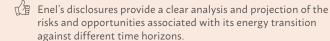
WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The company outlines climate-related risks and opportunities, setting these out for short-, medium- and long-term time horizons.

The report explains the various assumptions, methods and ambitions that were used to identify the various risks and opportunities for the company.

The report also explains how the company's strategy and business model ensure resilience and alignment with the goals set out in the Paris Agreement.

PREPARER PERSPECTIVE



The information provided is contextualised and features a good level of detail.



A visual representation of the short-, medium- and long-term time horizons, as well as of the risks and opportunities, would be helpful.

USER PERSPECTIVE



Enel provides a precise definition of what it means by short-, medium- and long-term time horizons.



More specific reporting on the relevant business risks and opportunities would give users a better overall understanding.

↓ Annual Report 2018, page 168

.....

cal areas in which we operate, thereby minimizing climaterelated risks and their overall financial impact. The Group henefits in terms of new revenue opportunities. also adopts the best strategies of prevention and protection in order to reduce the potential impact on the communities and territories surrounding our assets. All areas of the opportunities to develop renewable resources and with Group are subject to ISO 14001 certification, and the potential sources of risk are monitored by way of internationally recognized environment management systems (EMSs).

As for the risks and opportunities associated with transition variables, and based on the various scenarios mentioned above in combination with the various factors involved in the identification of risks (e.g. the competitive landscape, the long-term outlook for the industry, materiality analyses, etc.), we analyzed the trends in the following drivers and related potential risks and opportunities: (i) prioritizing the phenomena of greatest relevance in terms of climate change: (ii) distinguishing between the short term (less than 3 years) medium term (3-5 years), and long term (beyond 5 years); Long-term risks and opportunities and strategic actions o and (iii) connecting these drivers to the TCFD recommenda- mitigation and adaptation. tions for the classification of risks and opportunities.

mitigation and adaptation:

- → introduction of laws and regulations for getting through the transition and the Paris Agreement introducing stricter the value of assets, and on reputation; emission limits and/or altering the generation mix not driv-
- → increasing focus within the financial community on ESG issues with potential future benefits in terms of the availability of capital, which is also tied to financial sustainability and of new products and markets (e.g. green or ... By integrating financial strategy with sustainability and innoother sustainable honds):
- positive effects on return on investment.

Medium-term risks and opportunities and strategic actions → a decarbonization strategy for power generation, resultof mitigation and adaptation:

- -> use of more efficient means of transport from the point of view of climate change, particularly with regard to the sources to bring carbon-free power generation to 51% of development of electric vehicles and recharging infra-
- → development and/or expansion of (new) assets (e.g. storage) and/or low-carbon services (e.g. Energy-as-a-Service) in response to technological progress and shifts -> financial strategy aimed at integrating ESG issues, in investment from the supply side to the demand side of leading to a sustainable approach to debt manage

- tive impacts in terms of return on investment and new business opportunities
- increase in the level of competition and convergence of opportunities from diverse fields with opportunities to access new markets, services and/or partnerships or for the entry of new players into the energy industry;
- → regulatory changes with a view to integrating new digital and renewable technologies and to driving inof introducing new mechanisms of remuneration tied to environmental performance and innovation

uncertainty and volatility in business drivers (e.g. mac-Short-term risks and opportunities and strategic actions of roeconomics, energy, climate, etc.) that are growing and persistent as new paradigms, with effects on price indi-

- ing in a reduction of thermal fossil fuels of over 6 GW from 2015 to 2018 and an increase of about 6 GW in renewable calls for a further reduction of 7 GW in thermal generation by 2021 and the addition of 11 GW of renewable energy.

10. All figures related to the "decarbonization strategy" include managed capacity and related output

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energy in order to move beyond the Paris Agreement with

- and electricity industries with a shift towards distributed technologies and resources, which leads to new business and investment opportunities with a focus or

vation, the Group has already implemented a series of ac--> technological maturity and full competitiveness of re- tions aimed at mitigating potential risks and taking advantage newable energy, both large-scale and small-scale, with of opportunities related to transition variables. Of particular note are the main actions concerning the energy and climate

European Financial Reporting Advisory Group

Vallourec



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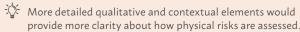
Describe the principal climate-related risks the company has identified over the short, medium and long term throughout the value chain, and any assumptions that have been made when identifying these risks. This description should include the principal risks resulting from any dependencies on natural capitals threatened by climate change, such as water, land, ecosystems or biodiversity.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Vallourec provides information that allows users to understand and link different categories of non-financial information with the corresponding risks, policies and KPIs. It also provides a clear methodology. The disclosures include a life-cycle analysis of some products, with ten key impacts being evaluated, including carbon, energy, water, resource depletion and toxicity. GHG emissions are reported, broken down by category and scope.

PREPARER PERSPECTIVE





USER PERSPECTIVE

Vallourec's approach of connecting risks with the company's strategy is relevant to investors.



The example provides an insightful approach that gives a clear overview of the assessed impact of physical risks across the relevant geographical spread.



Additional information on actions to prevent and mitigate ESG risks could be relevant and useful for investors.

↓ 2018 Registration Document, pages 118 and 119



In 2018, the quotas allotted to the sites concerned (five in Germany and four in France) were 168,917 metric tons for Germany (down 1.9% compared to 2017) and to 38,778 metric tons for France (down 57%) compared to 2017, and to 3 88,778 metric tones for France (down 5.7% compared to 2017, due to a reduction in activity at the Vallourer Tubes France sites in Saint-Saukve and Déville-Mes-Roueri, Therefore, in 2018, Vallourer still benefited from surplus direct allocations in the order of the Compared Compared to the Compared Compared to the Compared Com

The impact of the mechanism on the Group's activity is not limited The impact of the merchanism on the Group's activity is not limited to consideration of its own emissions. European electricity suppliers are obligated to fully cover their CO, emissions with emission rights, although it is not easy to measure the corresponding impact on the price of electricity supplied. Furthermore, steel suppliers and, in particular HIGM, which uses the cast ion covier-one process, are also obligated to purchase emission quotas. Therefore, given the low average price. of these emission quotas in 2018, the full impact of the ETS system

agreed to new provisions applicable starting in 2021 for the greenhouse gas emissions allowance and trading scheme for the 2021-2030 period. The impact on the Group is being evaluated, given its own seamless eel tubes production, as well as the activity of its European stee

		e-France ince		undy nce				leveland I States		Houston States		tam nesia		nghai ina		
	Probability	Impact	Probability	Impact	Probability	Impact	Probability	Impact	Probability	Impact	Probability	Impact	Probability	Impact	Probability	Impact
Increase of average temperature	3	1	3	1	3	1	3	2			3	1	3	1	1	
Heat waves	3	2	3	2	3	2			3	3	3		2	3	2	3
Drought	3	2	3	2	2	1	1	decrease	2	decrease	3		1	3		
Depletion of water resources	2	2	2	3	1	1	2				3	4	1	3	2	
Snowfall/frost	2		,		,	Milli			,	-						
St flo m					Cor	porate soci	al responsib mement of non	sility informa financial perform	tion 4	5	2	3	1	5	1	5
hu ma	process starts waters that would poing of major risk port for the Risks risks on the experi	be deemed mo is that the Corry Department and fine of the lower	at orbical, and for pany heeps upda 5 the internal con	ds within the ded, with the ded teams, it		N. Carlot			7	ı	2		1		1	
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42 Surr De d De d Sorr To de	4.5 Biodiver many surveys ha- main followers site sweatly. No major o se of the Grouph: a lookeestly standard ecitic project.	e been conduct es, to evaluate t risk has been ide specific activities.	he impact of thei withed. Inevertheless have	e a direct link	purts are purts or 15d speci Moreover, plants are	ne "Leopardus y sougar, and the ea of "Atlantic fo dili caves were n currently being	umate" field on "Onycorpor or rest" type rative nontored, their s studied.	pecies were obs 5, the "Pursu ob cottywes" (manes parts were inven pecis widdle (se	color* I wolf, toried,	2		3		4		6 strong/
Bra Dhi givi ave		ucation center idudes three eco etation, and the eveloped an env		me city. This ado juavannej, tiantic forest), my ordinict on	To improve is the Autrope- provider in an close to class network, and talloursc's bir site, and a sit concerned up	lymeries area wild around this shifted natural specificated natural he in adjustment of holdings, the in adjustment and investigated and inves	diversity on this as taunched in 2 a which has seve es, a space betor tage awas. The smediate perighe a expanded to a live species.	site, an impact of 017, with a spec oil pants and is to ging to the Natus study, which con ty of falloursc's in radius of 10 kilon	initiand scatted s-2000 seroed sustain witness	isks t	hat have plan, th	thus bea	en identifi ticularly i	ed, and	er examin of constri th the em	ucting ar
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	Santo project was or Environmental P the Valourec Mine on the Jacobba si if this open-pit in ook is pressed, di and refuneted with sex. Accordingly, eburned to radium et anno discounts or sex.	raicy. rapio subsidiary to, which it supplies red, then put in h local species i 1,800 recognes	is located some lies with ion one .r orninues, the res sandlies. The gro at the rate of six Il hectares have	SO kilometers to exploitation uiting waste and is in the hectares per simular been	Gueden," has maintained a- erosion, half if the shores the and the toxic actions are in and students on the site an	s been planting mangove close the penetration of one storms, as a products conta apported by the . Accordingly, in	trees, specifical to the facilities. The subsuiter towards well as enabling lend in the water local population 2018, more than in the botanical or	in with "Sozam Sic dy fluid brees, an else actions slow is the interior, and j carbon to be ab- to be absorbed, is, academic intelli- 1 200 brees were j arden. The collab	of has contail screet ained, These scions							

Adaptation to the impact of climate change

Rhine-Westphalia, Minas Gerais, Ohio, Texas, Batam Island in Indonesia and the Shanghai region

Upon an in-depth examination of the public documents and national adaptation plans, the main phenomena identified were the risks of flooding, heat waves and prolonged drought, periods of frost, disturbance of water resources and the evolution of marine or lacustrine nie. Some exceptional events could become more request (soorte and hurricanes) and damage the Group's facilities. The conditions under which the sites are operated could also worsen (availability of water needed for the tube manufacturing process, working conditions at the plants, operation of equipment during heat waves). In addition, the was estimated, and the extent of the consequences also evaluated

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Kering

AXA



Kering



HOW TO IMPROVE CLIMATE-RELATED REPORTING

STRATEGY

RECOMMENDED DISCLOSURE DESCRIPTION

Describe the impact of climate-related risks and opportunities to the organisation's business model, strategy and financial planning.

Describe the ways in which the company's business model can impact the climate, both positively and negatively.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The example clearly discloses the scope of the Group's Environmental Profit and Loss (EP&L) approach. The EP&L approach is an example of a practice developed prior to TCFD. Kering uses EP&L to determine the environmental impact of its products, and the example summarises the key projects carried out in response to EP&L.

PREPARER PERSPECTIVE

- The visuals provided by Kering clearly disclose the scope of their EP&L approach.
- 《 Clear visuals are used to demonstrate Kering's environmental impact.
- The example presents Kering's environmental impact throughout its value chain.
- Preparers recommended that Kering could disclose details about how it obtained information up to Tier 4 in order to increase confidence in the completeness of the information.

USER PERSPECTIVE

Kering's visual representation is effective and helps communicate impacts to a wide range of users.



The size of the circles used in the visual representation could be explained quantitatively to allow comparison and benchmarking against the rest of the industry.

Providing information on the methodology and identification of factors within the company's control could improve the completeness and reliability of the information.

Reference document 2018, pages 116 and 117

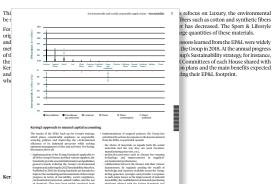
Sustainability - Environmentally and socially responsible supply chains

Kering's transformation into a Luxury pure player has slightly modified its environmental profile. The significant proportion represented by supply chains is nevertheless unchanged at 90% of impacts, with 76% attributable to

Land use, greenhouse gas (GHG) emissions and water pollution remain the predominant impact indicators, accounting for 78% of the total impact. This confirms, if need be, the strategic thrusts of Kering's environmental policy.

Mapping of 2017 impacts

	TIER 0 Operations and stores 10%	TIER 1 Final assembly 5%	TIER 2 Preparation of sub-components 9%	TIER 3 Processing of raw materials 10%	TIER 4 Production of raw materials 66%
Air pollution 200	•	•	•	•	•
Greenhouse gas emissions 32%	•	•	•	•	
Land use 32%	•	•	•	•	
Waste 5%	•	•	•	•	•
Water consumption &	•	•	•	•	•
Water pollution 14%	•		•	•	



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RECOMMENDED DISCLOSURE DESCRIPTION

Discuss how resilient the business model and strategy are to climate-related risks and opportunities, taking into consideration a transition to a lower-carbon economy consistent with a 2°C or lower scenario and a greater than 2°C.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The disclosure example addresses the warming potential of corporate bonds and equities expressed in degrees Celsius. This helps evaluate AXA's portfolios in terms of climate-change risks and opportunities.

PREPARER PERSPECTIVE



It is good reporting practice to present warming potential for AXA's portfolios of both bonds and equities. Warming potential is relevant information that demonstrates awareness of climate risk on portfolios.

USER PERSPECTIVE



瓜曾 AXA provides a clear and impactful visual representation of the effects of climate change on its asset portfolios. This is a good example of preliminary quantification of currently available information.



The example is an innovative and ambitious contribution to climate-related reporting.



It would be useful to include information on resilience and sensitivity per sector to complement the graphs.



A clearer colour key could make the visual representation easier to understand.

↓ 2019 Climate Report, page 17

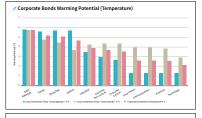
A First Estimate of AXA's Corporate Investments Warming Potential

Based on the methodology described above, AXA's Corporate Securities (debt and equities combined) "Warming Potential" estimate stands in line with widely used market indices (BofAML Global Aggregate - Corporate and MSCI ACWI) of 3.3°C. It should come as no surprise that these figures are above 2°C: this confirms that with today's public policies and business environment, and according to the "Warming Potential" approach tested here, AXA's operating investment universe is not aligned with the 2°C trajectory agreed during COP21.

The graphs on this page show this analysis per sector and per asset class (corporate debt vs equities).

The "Warming Potential" of the main corporate market indices

AXA's Corporate Investments' Warming Potential Sector Breakdown





Materials, Energy) are now underweighted in its benchmark, and a more comprehensive terms of asset allocation. Indeed, the average Warming Potential of AXA's coal and oil sands is required. exclusion list reaches 4.6°C (including the

How can a large asset owner like AXA influence "smoothing" effect on temperature caused Institute and seases owner merovarimmente. Simounting Peters and Specific in mind the numerous regulatory and fluciary constraints to which an insurer's investments are subject? AXA's Warming Potential. Indeed this effect There is still room for action. For example, our analysis shows that AXA's climate-related corporate investments, and it has a gradual divestments (coal, oil sands) have reduced our impact as coal/oil sands debt assets are run investments' carbon footprint (see section 4) as well as the Warming Potential of our corporate when the Course of several years. This is why this decision alone is insufficient to bring holdings, as the "warmest" sectors (Utilities. AXA's Warming Potential significantly below

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Discuss how resilient the business model and strategy are to climate-related risks and opportunities, taking into consideration a transition to a lower-carbon economy consistent with a 2°C or lower scenario and a greater than 2°C.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

This example from CNP Assurances' 2018 Sustainable Investment Report presents the impact of a 2°C scenario, with references made to multiple models (IEA, ADEME, France's national low-carbon strategy).

The example does not directly demonstrate the resilience of the business model and strategy to climate risk. Nonetheless, the example shows CNP Assurances' adaptation to the 2°C goal and its alignment with the Paris Agreement objective. This can be seen as an indirect indicator of the resilience of their business model and strategy to climate-related risks and opportunities. The PTF-CRR review and outreach highlighted the difficulties of defining and finding examples that demonstrate resilience. Supplement 2: Scenario analysis practices sections Scenario output and business decisions and Quantification and monetisation of scenario outputs provide further information on the use of scenario analysis to assess resilience.



↓ 2018 Sustainable Investment Report, page 41

3.2 2 °C Convergence

3.2.1 Investments in favour of the energy and environmental transition TCFD Metrics

As highlighted in France's national low-carbon strategy, large-scale investment is needed to limit global warming to $2\,^\circ\text{C}$ by the end of the century. These investments play a role in the energy and environmental transition and are also a means of managing tran-

CNP Assurances has established two complementary approaches. supporting businesses in the energy and environmental transition, as discussed in the previous sections, and also funding sustainable business opportunities for key players in the transition.

At 31 December 2017, CNP Assurances pledged €5 billion in investments for energy and environmental transition projects by 2021.

At 31 December 2018, the progress rate was 61%.

Equity and debt securities for infrastructure, private equity and green bonds are supported over several years, plus low-carbon property assets and sustainable woodland.

CONTRIBUTION TO THE ENERGY AND ENVIRONMENTAL TRANSITION • 3

environmental transition identified by the reference scenario of France's national low-carbon strategy, as well as the CBI, the TEEC label and the IACE Climate Financing Panorama, namely the energy, mobility, building and woodland sectors.

CNP Assurances has invested in private equity funds in the clean energy, clean industry and cleantech sectors, and made direct and indirect investments in renewable energy infrastructure, sus-tainable mobility, and water and waste treatment, particularly via the Meridiam Transition fund. Launched in late 2015 with the Meridiam management company, this fund finances innovative development projects related to the energy transition, local services such as heating systems and energy recovery from waste, electricity grids and gas networks, and innovative renewable energies.

In addition to these funds, it also invests directly in green bonds

	Renewable energy, services and energy efficiency	Transport and sustainable mobility	Miscellaneous (waste, water, environmental industry, unspecified share of green bonds, etc.)
Financial securities	Debt and capital for infrastructure, pri	vate equity, green bonds	
Assets at year end	€1.8 billion	€1.3 billion	€0.7 billion
Target and position at 31 December 2018	Objective: €3 billion at 31 December Total at 31 December 2018 = €3.8		
	Sustainable buildings (label on acquisition and renovation)	PEFC-labelled woodland	Multi-sector in favour of the energy and environmental transition
Financial securities	Direct holdings, non-trading property companies, debt securilies	Direct holdings, non-trading property companies, land companies	Listed equity funds
Assets at	€6.3 billion	€0.2 billion	€0.1 billion

over 3.4% of CNP Assurances' assets, coming to over €10 billion. Green bond assets came to €2.8 billion at 31 December 2018.

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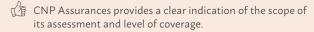
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PREPARER PERSPECTIVE





The example provides information on the underlying scenario.

USER PERSPECTIVE

- change risks is innovative and transparent.
- Different types of users can easily interpret the analysis provided by the company.
- The disclosures provide a clear description of the impact of
- The example could benefit from additional information on assumptions, asset allocation and forward-looking
- The example could be linked to the discussion of the company's resilience.



2018 Sustainable Investment Report, pages 42 and 43

3.2.2 2 °C Scenarios TCFD Strategy TCFD Metrics

This summary covers comparisons on CNP Assurances' position and/or objectives with national and international scenarios giving references for alignment with 2 °C pathways.

3 . CONTRIBUTION TO THE ENERGY AND ENVIRONMENTAL TRANSITION

CNP Assurances notes that the modelling of ESG and climate risk, based on current knowledge, requires a number of detailed assumptions about the climate impact of activities undertaken by companies, broken down by sector, geography, lifecycle and

To assess the consistency of investment for the energy and envi-ronmental transition with CNP Assurances' 2 °C approach, the forest sector) criteria were analysed regarding the following 2 °C scenarios by sector or equivalent:

- the International Energy Agency's (IEA) sustainable development scenaria (SDS) needed to meet the COP21 objectives source: World Energy Outlook 2017.
 World Foreign Outlook 2017.
 Note for coal: CNP Assurances' strategy is

2018 - SUSTAINABLE INVESTMENT REPOR

energy-climate scenario;
• France's national low-carbon strategy.

CNP Assurances' strategy supports France's national low-carbon strategy, notably on the following points:



Strike a balance between the increase in fuelwood and bio-based products, while preserving biodiversity and carbon sequestration in the forest ecosystem (see detail for the

the calculation was done with the objective of continuous improve-

Note for coal: CNP Assurances' strategy is not directly compara-ADEMES 2°C scenario – source: Update of the ADEME 2035-2050
 Ble with the IEA scenario, as it is expressed in terms of revenue and not the energy mix. Its impact can nevertheless be considered. CONTRIBUTION TO THE ENERGY AND ENVIRONMENTAL TRANSITION • 3

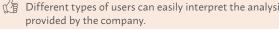
2 °C scenario(1)

CNP Assurances

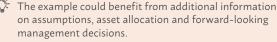
[4] France's national low-carbon strategy.
 [5] French Environment & Energy Management Agency (ADEME)

2018 - SUSTAINABLE INVESTMENT REPORT

CNP Assurances' reporting of its exposure to climate







CNP Assurances' objectives

situation



TCFD RECOMMENDATION:

Disclose how the organisation identifies, assesses and manages climate-related risks.

RELEVANT NFRD ELEMENTS:

Principal risks and their management.

SUPPORTING RECOMMENDED DISCLOSURES:

MANAGEMENT

DESCRIPTION	MAPPING	COMPANIES
Include information on the processes for identifying and assessing climate-related risks in the company's operations and value chain over the short, medium and long term.	TCFD – Risk management, recommended disclosure (a) NFRD – Principal risks and their management	Aviva
Describe the processes for managing climate-related risks (if applicable how they make decisions to mitigate, transfer, accept, or control those risks), and how the company is managing the particular climate-related risks identified.	TCFD - Risk management, recommended disclosure (b) NFRD - Principal risks and their management	South32
Describe how processes for identifying, assessing and managing climate-related risks are integrated into the organisation's overall risk management. An important aspect of this description is how the company determines the relative significance of climate-related risks in relation to other risks.	TCFD – Risk management, recommended disclosure (c) NFRD – Principal risks and their management	Equinor



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RISK MANAGEMENT

RECOMMENDED DISCLOSURE DESCRIPTION

Include information on the processes for identifying and assessing climate-related risks in the company's operations and value chain over the short, medium and long term.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Aviva discloses meaningful information on how the company identifies and assesses climate-related transition and physical risks and opportunities on its operations and investment portfolio. The report includes good descriptions of the processes, tools and metrics used to identify and assess climate-related risks and opportunities, while recognising some of the limitations. The disclosures are insightful, concise and make good use of narrative, visuals and quantitative information. The latter is especially seen as good reporting practice, as the company discloses its KPIs, both for transition and physical risks and opportunities.

PREPARER PERSPECTIVE



The disclosure is an example of good reporting practice as it integrates climate-related risk management disclosures with the overall risk management framework of the company.



Aviva's processes for identifying climate-related risks are transparently addressed.



The disclosures would benefit from more explanation on how climate-related topics are fully integrated into the overall risk (and opportunity) management system.

USER PERSPECTIVE



The reporting on portfolio warming potential indicates the company's exposure in terms of transition and physical risk.



点 Limitations on the scope of the analysis are clearly stated.



Aviva could provide more insight on the actions they are taking to align with the Paris Agreement goals.



The inclusion of specific targets and timeframes would provide more clarity on the objectives.

Risk management, Metrics and Targets

include:

Carbon foot-printing of investments

data (tCOze^{NI}/\$m sales) to assess and manage the exposure of

shareholder and participating funds III. Despite being backward

of our investments to a potential increase in carbon prices. Carbon

our credit and equity portfolio on a regular basis. We measure the "weighted average carbon intensity" - i.e. the carbon intensity of intensity metric provides a proxy assessment of a company's exposure to a potential increase in carbon prices and its exposure

to changes in climate and energy policies and a shift to low-carbon Figure 5: Weighted average carbon intensity (tCO:e/Sm sales) of corporate

dit and equities in Aviva's shareholder and participating funds as at

portfolio size but is very sensitive to outliers.

31/12/2018. Source: Aviva/MSCI

measure, manage, monitor and report on the risks to which we are,

For transition risks and opportunities, the metrics and tools used or could be, exposed and the accountabilities of management, the risk function and internal audit with respect to enterprise-wide risk

 \downarrow Aviva's Climate Related Financial Disclosure 2018, page 11

Aviva's process for identifying climate-related risks and opportunities

Aviva's risk spectrum (see figure 4) determines the significance of the **Carbon foot-printing of investments** impact and timescale for different external issues. Aviva considers model, and a proximate risk¹¹, because its impacts are already being felt. We are therefore taking action now to mitigate and manage the impacts of climate change both today and in the future. Through intensity measures how carbon efficient Aviva's investment portfolio transition, physical and litigation risks including the risk of assets

Figure 4: Aviva Group Risk Spectrum - October 2018. Source: Aviva.



Aviva's process for assessing, managing and monitoring climate-related risks and opportunities

our alignment with global or national targets on climate change

We use a variety of metrics and tools to manage and monitor

mitigation as well as the potential financial impact of climateof emissions or sectors covered) and that some are backward looking, we believe they are still valuable in supporting our climate related governance, strategy and risk management



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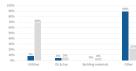
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Aviva's Climate Related Financial Disclosure 2018, pages 12 and 13

Figure 6: Aviva's exposure to carbon intensive sectors in its shareholder ar participating funds (corporate credit and equities) as at 31/12/2018. Source: Aviva / MSCI.



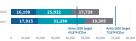
Share of sector in Aviva's shareholder and participating funds (corporate credit and e

Figure 6 shows that these carbon intensive sectors represent 10% of our corporate credit and equities shareholder and participating funds but contribute 78% of the weighted average carbon intensity. The utilities sector is the largest single contributor representing 7% of the portfolio but it contributes 69% of the weighted average carbon intensity.

Aviva's operational carbon emissions

We have measured our operational carbon emissions since 2044 and disclose related metrics on an annual basis in our public filings. We report on the Greenhouse gas emission sources on a carbon dioxide emissions equivalent basis. Aviva has been carbon neutral in respect of our operations since 2006 through the purchase and retirement of carbon offsets from the voluntary carbon market.

Figure 7: Absolute operational carbon emissions tCO:e. Source: Aviva.



- Scope 1 natural gas, fugitive emissions, oil, and company owned cars
 Scope 2 electricity
- We have already achieved our 2020 operational target set in 2010 by

reducing our emissions by 60% and we have a long-term reduction target of 70% by 2030 compared to this 2010 baseline. Aviva was recognised as one of 20 companies that reported 100% of their Scope 1 emissions. More details of this analysis can be found on way aviva com/coria1-numose.

In 2015 we conducted a carbon tootprinting exercise of our wider supply chain in the UR with the Carbon Trust. Approximately 73% of our spend is with Professional Services companies. The estimated associated emissions amounted to 78,000 ti COx. We do not believe these figures will have changed significantly since then but will result and the properties of the control of the

Portfolio Warming Potential

Aviva is exploring the use of a number of different emerging metrics designed to help analyse the alignment of investment portfolios to the Paris agreement's goal of limiting the global temperature rise to below 2°C. We set out our initial findings from this analysis below.

12 Aviva's Climate-Related Financial Disclosure 2

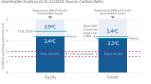
However, we fully anticipate that these approaches will evolve over time and be improved in the light of new research, data and emerging best practice.

Aviva has used Carbon Delta's warming potential metric to assess our corporate credit and equities shareholder funds' alignment with the Paris agreement? VC target. This warming potential methodology captures investments' Scope 1 emissions as well as investments in low-carbon technology to provide a forward-looking perspective. We would like to extend this analysis to our whole portfolio over time.

The "Portfolio Warming Potential" is calculated as a weighted average of individual issuers' warming potential. This is based on the alignment of each company within the portfolio to the sectoral Greenhouse gas emission intensity needed for each sector to make its contribution to reach the elobal 2°C travel.

The actions we are taking to reduce our investment exposure to carbon intensive sectors over time should lead to a reduction of the warming potential of our investment portfolio. The analysis found that Carbon Delta's warming potential of our equity portfolio at 3.4°C was 0.5°C below that of the FTSE 100 and the warming potential of our corporate credit portfolio at 3.2°C was 0.2°C below that of the Boox GBP Liquid Corporate Large of pindex. This analysis does not include our investments in sovereign, real estate and infrastructure assets where we have heavely invested in seen assets.

Figure 8: Corporate credit and equities warming potential (in °C) for Aviv



Avia has also used the Paris Agreement Capital Transition Assessment [PACAIP1 model deleoped by 2 Degrees Investing Initiative to analyse alignment of our investment portfolio to a 2°C level set in their methodology. The PACAT model tests the alignment with the International Energy Agency's 2°C scenario and focuses on three of the most carbon intensive sectors for which energy transition can be estimated with reasonable nelevance: the utilities sector, the foosil full seasonable relevance: the utilities sector, the foosil fulls sector and the automotive sector.

Figure 9: PACTA analysis as at 31/12/2018 for Aviva's utilities shareholder and participating funds. Source: 2 degrees investing initiative – PACTA tool.

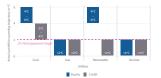


Figure 9 shows now the utilities sector exposure of our corporate credit and equilities shareholder and participating funds are aligned to the 2°C climate warming trajectory target at a 2023 horizon. It provides insight into the transition risk by looking through to the mix of energy sources (coal, gas, renewables and nuclear) used by the utility issues for the securities we hold. Where we are below the red line, this indicates alignment with the 2°C target at a 2023 horizon. Conversely, where we are above the red line this indicates the portfolio is not aligned with respect to this energy source. At a more granular level, it shows alignment with respect to gas and nuclear energy sources. We have fell this analysis into investment strategy reviews of our businesses. Our £3.1bn unlisted infrastructure in the smallystic.

Physical risks and opportunities

For physical risks and opportunities, the metrics and tools used include:

- Monitoring of sovereign risk
- Global Real Estate Sustainability Benchmark (GRESB)
- Weather-related losses

Monitoring of sovereign risk

Avia has used the Noter-Dame University's Noter Dame-Global Adaptation Index (INC-AMI)** or neasure our sovereign holdings exposure to climate related risks and opportunities [See figure 10]. NG-GAM measures a country's value-ballity to climate change and its readiness** in addition to our risk monitoring, we engage around the world with finance ministries on climate change, adaptation, mitigation and resilience and will continue to increase our profile in this regard.

55 18% 12% 6% 2% 2% 46

as at 31/12/2018 (ND-GAIN index 0-100 Higher is Better). Source: Aviva 2018/ NDGAIN 2016.

For sovereign bonds, Aviva is predominantly exposed to sovereigns from developed markets where physical climate change risk is less likely to have yet sovere implications for sovereign debt. Aviva has no significant exposure to countries highly vulnerable to climate change and our exposure to moderately exposure do countries is captured as part of our risk management and monitoring of sovereign risk. Aviva has also no material exposure from sovereigns whose credit quality is reliant to no land gas production.

With respect to transition risk, the Organisation for Economic Cooperation and Development (OECD)** found that for G20 sovereigns,

Global Real Estate Sustainability Benchmark (GRESB)XM

When acquiring property, Aviva Investors commissions an Environmental Assessment Report, which covers important potential risks, such as flood exposure and historic and potential pollution. Within our real estate portfolio, we use flood mapping for monitor exposure and GRESS to understand the climate resilience and broader sustainability of individual properties and funds. In 2018, we assessed the performance of 15 property funds and Aviva Investors has achieved 32 eres stars. Whilst there funds have improved their



- XIV https://gain.nd.edu/our-work/country-index
- RESB assesses and benchmarks the ESG performance of real asset investments, providing standardised and validated data to capital ma

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RECOMMENDED DISCLOSURE DESCRIPTION

Describe the processes for managing climate-related risks (if applicable how they make decisions to mitigate, transfer, accept, or control those risks), and how the company is managing the particular climate-related risks identified.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

South 32 follows a logical structure and makes good use of tables (topic, time horizon, most relevant scenario, risks, mitigation and opportunities), which results in concise, easily-accessible information. The report gives an indication of where the company's risk management procedures currently stand, and what the company aspires to and by when.

This example from a non-European company is included as no European equivalent was found during the PTF-CRR review and outreach.

PREPARER PERSPECTIVE



The example provides a summary of the most significant risks, opportunities and mitigation actions for different time horizons.

USER PERSPECTIVE



The example is concise and easy to understand thanks to the



The South32 reporting gives insights into which topics are deemed material, how they are handled right now and how their management will evolve over time.



More quantitative information would increase insightfulness, e.g. the company could report on the probabilities of occurrence and potential damages of the respective risk categories.



The company could explain why they will apply an internal carbon price only from financial year 2025 onwards (earlier in some jurisdictions that progress faster towards an explicit carbon price).

 \downarrow Our approach to climate change 2019, page 23

OUR CLIMATE-RELATED RISKS, MITIGATION

Table 1 summarises the most significant climate-related risk mitigation options and opportunities relevant to our business today, both in a future that exceeds, and in a future that avoids, more than two degrees of warming.

year's assessment, we've reflected these changes in the table. Our scenarios have been used to identify likely risks and opportunities relevant to that scenario. You can find more information on our

Table 1 Climate-related risks and opportunities

Topic	Time horizon(*)	scenario	Risks	Mitigation and opportunities
Policy	Short, medium and long-term Medium and long-term	Global Cooperation Runaway Climate Change	carbon pricing policies including carbon tasks can and trade systems and any other regulatory carbon pricing mechanisms raws jurices are always and any other regulatory carbon pricing mechanisms raws jurices with liable carbon emissions. Policy uncertainty and sudden changes in policy may limit the business' capacity to prepare for a structured transition. This could result in increased costs and clerupton to the submission. This could carbon to the submission. This could compose to the submission. This could commodifies, such as metallurgical coal and aluminium.	We include a global carbon price from FY25 in our capital allocation and investment evaluation. A local carbon price is applied before FY25 if country specific (legislation is in place or deeme to be lieky). This helps us make effective and well-informed decisions to manage risks beyon current pricing policies. You can find more detail to the property of the prope
	Short, medium and long-term	Global Cooperation	As our stakeholders, including customers and suppliers, are likely to experience smillar changes in policy, we may face changing commercial requirements to most regulatory changes in jurisdictions outside of our own operang environments. This may involve pass on costs from an upstream prespective, but also have a downstream risk due to the relative competitioners and demand for some of our products.	potential changes in policy and how it affects up Our scenario analysis encorporates potential policy-based impacts on our supply chain to tet resilience of our portfolio to these risks. We use the insights we gain from this in our ongoing strategic plans. We've also calculated and disclosed our annual Scope 3 emissions to ensure that were aware of the scale and sources of our supply chain emissions. You can find more details on page 14 Both of these internal policies (as well as ongoin modelling of impacts of prospective new government policies) allow us to adjust rapidly te- sternal regulatory developments. We continue to engage with state and federal governments both directly and indirectly througe
	Short, medium and long-term Medium and long-term	Global Cooperation Runaway Climate Change	As pollution concerns or scarcity pressures increase, water and biodiversity regulation may become stricter.	governments both decay and indirectly and indirectly con- our relevant associations, to better understand potential charges in policy and how's discharge Through our focus on innovation and technolog through our focus on innovation and technolog through our focus on innovation and technolog bodiversity impacts, waste, cabon and water usage over time. As our internal voluntary performance standard. As our internal voluntary performance standard with versionary enditient operations, our aim is to be a head of policy change and avoid the risk that stricter flusher policies could provide a three policy change and avoid the risk that stricter flusher policies could provide a provide three policy change and avoid the risk that stricter flusher policies could provide a provide three policy change and avoid the risk that stricter flusher policies could provide a provide three policy change and avoid the risk that stricter flusher policies could provide a provide three policy change and a provide three po

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Topic	Time horizon ⁽ⁿ⁾	Most relevant scenario	Risks	Mitigation and opportunities	
Legal	Short, medium and long-term	Global Cooperation and Runaway Climate Change	Increased litigation against governments, companies and directors, either seeking to oppose greenfields developments or operational expansion. Compensation for damages caused	We have a proactive approach to climate- related risk assessment, risk management and disclosure. Along with our diversified portfolio, this helps us minimise our relative exposure to climate change-related litigation. However, we monitor legal developments in this space and	
			to them because of climate change impacts, or to force greater action on climate change. ⁽¹⁸⁾	seek advice on major developments when we need to.	
teputation	Short, medium and long-term	Global Cooperation, Patchy Progress and	to address climate-related risks, our reputation with a range of stakeholders may suffer.	To manage reputational risks, we provide clear and comprehensive information to stakeholders on our business position, policies, risks and mitigation actions.	
		Runaway Climate Change	This could make it harder for us to get and maintain our social licence to not just operate at existing sites, but also to build and invest in new operations (including access to finance and insurance). Skilled staff may not want to work	We're always ready to support a globally competitive and broad-based price on carbon, and we've set voluntary short and long-term carbon reduction targets in line with the Paris Agreement. These targets are linked to all bonus payments and incentives, including to our Lead Team.	
			with us because of our exposure to climate change.	climate change. memberships to make sure the climate change and energy po	We regularly review our industry group memberships to make sure their positions on climate change and energy policy are aligned with our interests (see page 21).
				We have an opportunity to improve our reputation with some investors by achieving net zero emissions by 2050. We also have the opportunity to be a preferred investment if we maintain above average climate change risk and opportunity management.	
				By leading the way on climate change, we can attract the best talent, which will benefit our business performance over the long-term.	
Shareholder action	Short, medium and long-term	All	When it comes to climate change, shareholders are increasingly focused on companies' disclosure, responsiveness and lobbying	We prioritise regular and open dialogue with our shareholders on climate change and broader ESG issues – to better understand what they need and expect.	
			responsiveness and budying activities. Being negatively targeted could damage our reputation and potentially impact our capacity to secure investment capital, insurance, development or expansion permissions and partners.	We were early adopters of the TCFD voluntary reporting framework. Reporting transparent climate change disclosures is becoming increasingly more important to our stakeholders. We recognise the value of this and we will keep doing this to make sure our stakeholders are always informed about our progress.	

Our approach to climate change 2019, pages 24-26

Topic	Time horizon ⁽⁸⁾	Most relevant scenario	Risks	Mitigation and opportunities
Technology changes	Short, medium and long-term	Patchy Progress and Global Cooperation	The difficulties in integrating new technologies with existing systems — and the cost and unproven nature of new technology — could reduce productivity and profit margins. There are also risks around the disruptive nature of new technologies, which may change demand for our products (see	We've developed an integrated approach to innovation. It focuses on opportunities to improve productivity and safety through technology and morosation, wille exchange cost, risks and the environmental and social footprint of what we do. This includes decarbonisation and the minimisation of water and other resources' use and impact.
			'market changes'). Decreased demand in resources may occur due to changes in technology or substitution of resources. e.g. metallurgical coal.	
Market Changes	Medium and long-term	All	The supply and demand for our commodities may change as technology change (sincluding potential substitution of some resources) and consumer demands describing more products and consumer demands describing more young or competitive access to finance, investment and insurance. As governments and other companies act on climate change, there's a chance we could be exposed to higher costs for the products which we rely on, such as electricity, cloring coal or water.	So that we can quickly respond to change, we monitor the global environment, conduct detailed assessiments of commodity markets and regularly update our supply and demand forecasts. For long-term changes, our scenario analysis incorporates potential technology-based innegates on product demand to test our portfolio resilience and evaluate new opportunities. We want to be in a position to satisfy customer needs, which includes providing lower carbon products. We believe several of our portfolio a commodities would benefit from a transition to a low carbon commodities would benefit from a transition to a low carbon commodities would benefit from a transition to a low carbon commy, and we see opportunities to create value by focusing our business on these commodities.

Topic	Time horizon ⁽ⁿ⁾	Most relevant scenario	Risks	Mitigation and opportunities
Physical risks (acute and chronic)	Short, medium and long-term	All, increasing severity in Runaway Climate Change	We mine geologically bound ore bodies, connected by rail, road, ports and sea. These may experience production and logistics delays because of extreme weather events (e.g. bushfires, cyclones and flooding).	One of the core objectives of Our Approach to Climate Change (see page 7) is to build our operational resilience. By doing this, we can quickly adapt to a changing climate and get back on track following extreme weather or other acute events.
				Droughts, heat extremes or unseasonal weather variability could also create water stress, or contribute to worker ill-health and the spread of disease. This could impact our operations.
			We're using the outcomes to better understand any future adaptation requirements. You can find more details on page 45.	
			medium and severity long-term Runawi Climate	All, increasing severity in Runaway Climate Change
	ILM – an integrated social, environmental and economic approach to achieving climate resilience.			
				 Climate modelling – of changes in weather, including rainfall, to better predict the physical risks we may be exposed to and to proactively mitigate or adapt to them. We use the World Resources Institute Aqueduct tool to screen our operations for water scarcity and oversupply risks.
	Short, medium and long-term	All, increasing severity in Runaway Climate Change	Physical risks can turn into social risks, such as conflict over access to natural resources. Regions with poorly developed social support systems could be more vulnerable	We make contributions to development programs – to help communities build resilience against the impacts of climate change.
			to the physical impacts of climate change. This can lead to decreased food and water security, and create a challenging operating environment.	

Equinor



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RISK MANAGEMENT

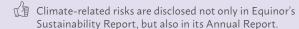
RECOMMENDED DISCLOSURE DESCRIPTION

Describe how processes for identifying, assessing and managing climate-related risks are integrated into the organisation's overall risk management. An important aspect of this description is how the company determines the relative significance of climate-related risks in relation to other risks.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

Equinor discloses how it has integrated climate considerations into incentives, reporting and decision-making. It also shows that it has targets in place to measure progress and incentivise performance across the entire company, starting at the top. CO₂ intensity (upstream) is a key performance indicator and influences executive salaries. Equinor also discloses how climate change issues are considered in investment principles, energy scenarios and portfolio stress tests.

PREPARER PERSPECTIVE



(質 Equinor's disclosures provide information on the use of internal carbon pricing, scenario analysis and sensitivity analysis, giving an indication of the company's climate-related risk exposure.

USER PERSPECTIVE



The Equinor example is concise and easily understandable thanks to the use of a table and graphs.



The example provides detailed information on management actions (including NPV and Capex information).

Climate-related business risk and portfolio resilience

Our business needs to be resilient to the multiple risks - both upside and downside – posed by climate change. These include potential stricter climate regulations, changing demand for oil and gas, technologies that could disrupt our market, as well as physical effects of climate change.

, 2018 Sustainability Report, pages 17 and 18

Governance and risk management

Climate-related risks and apportunities and our strategic response to these are discussed frequently by our corporate executive committee and board of directors. In 2018, the board of directors specifically discussed climate-related issues in four of their eight meetings, as well as related to relevant investment decisions. The board of directors safety, sustainability and ethics committee discussed climaterelated issues in all committee meetings in 2018.

Management of climate-related risk is embedded in Equinor's enterprise risk management process. We use internal carbon pricing, scenario analysis and sensitivity

analysis to assess and manage climate-related risk. We monitor technology developments and changes in regulation and assess how these might impact the demand for oil and gas, the cost of developing new assets and opportunities for low-carbon technologies

Climate-related risk factors are identified by considering main sources of change - market, policy and regulatory technology physical and reputational. Climate-related risk factors are assumed to indirectly influence Equinor's cash flow risk via effects on revenues or cost. This relationship is integrated into our risk assessment of revenues and costs and corresponding actions. As an example, climate-related risks could influence oil, gas and carbon price assumptions. Risk adjusting actions are evaluated, decided and implemented as relevant. An overview of relevant risk factor and how we manage these, is provided below. For more information about governance and risk management, see

Sources of change	Risk factors (upside and downside p	otensial)	Management actions Scenario analysis Climate-related principles in investment decisions 2030 CO ₂ upstream intensity target Scaling up investments in new energy solutions Enhancing profitability	
Market	Oil and gas demand Renewable energy demand			
Policy and regulatory	Carbon costs and taxes Specific regulations (e.g. air qu and fuel directives)	ality, emission standards	Monitaring policy and regulatory development Internal carbon price applied Portfolio stress test ——gy efficiency initiatives	
Cur storage of the current of the cu	estear — Equinor annually conducts a price sensitivity analysis or and assess particles against the assumptions regarding and assess prices in the range of energy scenarios of the Sinerry Agency (IEA) are presented in their World Energy or Tiths congless that discusses energy transition-visitativists.	Regiment value of portfuls of comments of the state of t	toring technology development as up investments in new energy solutions situation roadmap for updates of meteonology and nagraphy data used in project and ational planning scal design criteria for affishere platforms stilling rigs. sparency and disclosures of performance, mance and tangets not engagement and communication	
The procision is upgesting in collect for in collect for in the project experience in the property of the property of the process of the collect experience of the collect experience of the process of the impacts of collect experience of the impacts, would have potential of to be more in the collection.	In it is about a seal to deal	Colored go production in 2025	sation see the risk section in our and Form 207 e Equinor 2018 Sustainability report II	

TCFD RECOMMENDATION: Reporting Lab Disclose the metrics and targets used to assess and manage **METRICS** relevant climate-related risks and opportunities where such information is material. **AND TARGETS RELEVANT NFRD ELEMENTS:** Outcomes. Key performance indicators. SUPPORTING RECOMMENDED DISCLOSURES AND SELECTED COMPANY EXAMPLES: LARGE-CAP MID-CAP DESCRIPTION MAPPING COMPANIES COMPANIES Include the metrics used by the company to assess climate-related risks and TCFD - Metrics and targets, recommended disclosure (a) Allianz ABN AMRO opportunities in line with its strategy and risk management processes. NFRD - Key performance indicators L'Oréal Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 GHG emissions against TCFD - Risk management, recommended disclosure (b) M&S the targets set and the related risks over time. NFRD - Outcomes Describe the outcomes of the company's policy on climate change, including TCFD - Risk management, recommended disclosure (c) L'Oréal SCOR the performance of the company against the indicators used and targets set to NFRD - Outcomes manage climate-related risks and opportunities. EFRAG

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METRICS AND TARGETS

RECOMMENDED DISCLOSURE DESCRIPTION

Include the metrics used by the company to assess climate-related risks and opportunities in line with its strategy and risk management processes.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The example provides an action plan for the transition to a low-carbon economy, broken down into key areas, and includes comparative information. Cross-references to other sections of the report provide further guidance on where more detailed data can be found. The first two sections show how qualitative targets are broken down into specific actions. A table shows the targets for the reporting year, what was achieved and what remains to be done in the coming years.

PREPARER PERSPECTIVE

Cross-references to more detailed sections help to navigate the Allianz report.

The fact that some of the targets set for 2020 were already achieved in 2018 could be better highlighted.

USER PERSPECTIVE



All the targets, achievements and references to where the relevant data can be found are presented in one clear table.



The example provides a good overview of the most significant areas for Allianz and how they interconnect.



Additional information on baseline and/or target values would help users assess the significance of the reduction targets

↓ Sustainability Report 2018, page 92

LOW-CARBON ECON	IOMY			
Topic	Torgets 2018	Achievements 2018	Targets 2019 and beyond	Reference Sections / Data Table
CLIMATE STRATEGY	 Investigate on how to further olign our investment strategy with a 2°C target. 	 Committed to Science Boxed Targets initiative in May 2008. 	 Set long-term dimote targets for our proprietory inventments and business operations in line with the Paris Climate Agreement's goal to limit global warming to well below 2°C. 	Sections 02.1 01.5 09.2
			 In the first half of 2019, we will run plot portfolior, on directe- related target-setting and steering which will ideally allow us to identify data gap, delive maintaining and steering approaches and metric or, well or authential investment management actions. 	
			 Together with the UN Principles for Sustainable Insurance, we will furthermore develop new approaches on climate risk consument tools for the Insurance industry. This shall reache a better understanding of the Imports of Climate sharings suseraios on the different lines of Insurance business. 	
COAL	Implement a group-wide diventment from coal-based business models.	 Decided to no longer insure single-size assistined power plants and coal mines that are being operated or planned as of 2008. 	Fully phase out coal-based business models across our proprietory investments and property casualty portfolios by 2040 at the latest.	Section: 022; 044; 05.2 Table ESG-10
		Further strengthened the coal exclusion approach in inventments in 2018. Tightened restrictions on coal based business models, and introduced a long-term action plan for coal until 2040.		
RENEWABLE ENERGY	Increase debt and equity investments in renewable energy in the mid-term.	 Investments of 6.6 billion Euro (2017: 5.6 billion Euro) in renewable energy. 		Sections 02.2 03.4 04.2 04.4 05.2 05.4 09.2 Tables ESG-8, ESG-9
	Further investigate a more holistic role of green energy in our operations.	 Signed up to RESSO committing Allians to 100% renewable energy by 2023. 	 We are striving to minimize our environmental impact and committed to source 100% renewable power for our group-wide operations by 2021. 	Sections 02.1; 02.2; 01.5; 06.6 Table ENV-5
		 Achieved a share of 45% green electricity of total electricity used (2017-45%) within Allians Group. 	 Achieve 100% green electricity for our operations by 2023 within Allianz Group. 	Section DEA Table DNV-5
ENERGY CONSUMPTION	30% reduction in energy consumption per employee by 2000 (2000 baseline) within Allians Group.	Achieved a IAS cut in 2018 within Allians Group.	 30% eduction in energy consumption per employee by 2020 (2000 boseline) within Allianz Group. 	Section 06.6 Table DNV-3
GHG EMISSIONS PER EMPLOYEE*	30% reduction of CO, emissions per employee by 2020 (2000 baseline) within Allians Group.	 In 2008, our carbon faotprint per employee was 2.7 tons. This represents a 27% reduction through increase in the share of green electricity and higher energy efficiency, against a 2000 baseline within Alfara Grauo. 	Reduce corbon emissions by 30% per employee by 2020 (2000 boseline) within Allianz Group.	Section DSA Table DNV-2
PAPER CONSUMPTION	 40% paper reduction by 2020-(2004-baseline) within Allianz Group. 	 Achieved a reduction of 1855 within Allianz Group by the end of 2018. 	 40% paper reduction by 2020 (2004 baseline) within Allianz Group. 	Section 06.6 Toble ENV-9

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HOW TO IMPROVE CLIMATE-RELATED REPORTING

METRICS AND TARGETS

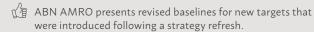
RECOMMENDED DISCLOSURE DESCRIPTION

Include the metrics used by the company to assess climate-related risks and opportunities in line with its strategy and risk management processes.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The ABN AMRO example provides reporting on strategy goals, including information on how the bank supports its clients' transition to sustainability (inside-out impact). This approach goes beyond the traditional corporate view that financial institutions usually present. The targets reported are mainly based on clients' sustainability results. Negative forecasts in some areas are explained below the table. The company presents targets for the strategy of not only the current reporting year (2018), but also for the two subsequent years, which helps users to track results in the

PREPARER PERSPECTIVE





The table format used by ABN AMRO allows data to be presented in a concise way.

The presentation of some targets and metrics (Net Promoter Score) could be simplified to make the data self-explanatory, without the need to rely too heavily on footnotes.

USER PERSPECTIVE



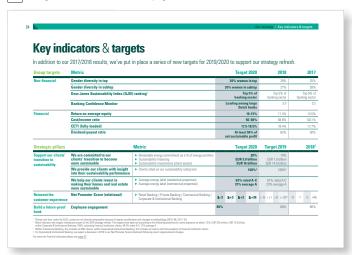
ABN AMRO's client-oriented goals provide more insight into the business aspects of its strategy than the corporate goals commonly presented by financial institutions.

The detailed targets provided for consecutive years allows for trend analysis.

An explanation of the underlying methodology for the targets set in relation to ABN AMRO's 'sustainability rating tool would give more credibility to this aspect of its strategy.

Presenting the results achieved against the original targets would help users better understand the evolution of ABN AMRO's ambition and achievements over time.

↓ Integrated Annual Review 2018, page 24



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RECOMMENDED DISCLOSURE DESCRIPTION

Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 GHG emissions against the targets set and the related risks over time.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

L'Oréal's example shows detailed information about Scope 3 GHG emissions related to each of the 15 categories required by the GHG Protocol Corporate Accounting and Reporting Standard. Some of the items include further explanations that are company-specific (for example, a description of the sources of GHG emissions in use, or end-of-life treatment of sold products). Required GHG Protocol Scope 3 categories that are not relevant for L'Oréal are also clearly explained, which increases the credibility of GHG emissions accounting.

PREPARER PERSPECTIVE

- Scope 3 GHG emissions for all 15 categories are included in the example.
- が复 L'Oréal provides a detailed explanation of several categories that are company-specific, including an explanation of why Scope 3 categories are relevant or not.
- Including GHG emissions reduction targets could indicate the company's level of ambition regarding its GHG emissions reduction strategy.

USER PERSPECTIVE





Comparative year-on-year information could provide a useful insight into the company's GHG emissions reduction path

The inclusion of a denominator would enhance the information provided (e.g. % of total output).



↓ 2018 Registration Document, page 186

L'Oréal's corporate social, environmental and societal responsibilit

e GHG Protocol defines 15 items of emissions associated with Scope 3

Upstream or downstream	Scope 3 categories	Scope	(in thousands of tonnes of CO ₂ eq.)
Upstream	Products and services purchased	CO ₂ emissions related to the preparation of all of materials used for the products manufactured by the Group and their promotion at points of sale. These emissions include the extraction of materials, their transportation to suppliers, then their processing prior to delivery.	3,338
	2. Capital goods	CO ₂ emissions from capital goods acquired or purchased by L'Oréal in 2018 (property, production, IT, etc.).	513
	Fuel- or energy-related activities (not included in Scope 1 and 2 emissions)	CO ₂ emissions related to the extraction, production and transport of fuel and energy purchased by L'Oréal and its subcontractors. It also includes losses during the distribution of electricity.	137
	Upstream transport and distribution	CO ₂ emissions generated by the transport of items purchased and shipped to production or distribution sites.	160
	Waste generated by sites	CO ₂ emissions related to the treatment of production waste and effluents (by a third party) from facilities operated and owned by L'Oréal.	20
	Business travel	CO ₂ emissions related to business travel for all employees in all countries. These emissions take into account the different means of transport used (short-term car hire, train or plane).	157
	7. Employee commuting	CO ₂ emissions related to employees' journeys from their home to their workplace.	103
	8. Upstream leased assets	CO2 emissions generated by stores and vehicles on long-term leases	100
Downstream	Downstream transport and distribution	CO ₂ emissions related to the transport of sold products: this includes transport flows of finished products from the production sites to the first customer delivery point.	693
	10. Processing of sold products	Not relevant: our production is used directly by the end customer. There is no transformation of intermediate products.	
	11. Use of sold products	CO ₂ emissions related to the use of L'Oréal products by consumers due to the hot water used for rinsing aff certain products, such as shampoos, shower gels, dyes, etc. CO ₂ emissions for this item are mainly related to the nature and method of production of the energy used to heat the water.	5,979
	12. End-of-life treatment of sold products	CO ₂ emissions relating to the treatment of sold products after their use: packaging items treated in existing channels and effluents treated in water treatment plants. CO ₂ emissions for this item are related mainly to the nature and mode of production of the energy used for each treatments.	572
	13. Downstream leased assets	Not relevant: there is no exploitation of assets owned by L'Oréal and leased by other entities.	
	14. Franchises	Not relevant: all stores are retail stores and are included in the "Upstream leased assets" category.	
	15. Investments	CO ₂ emissions related to L'Oréal's investments in 2018. Investments are accounted for by the share of L'Oréal's investments in the company or companies in question	82

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UPPLEMENT 1: TIMATE-RELATED REPORTING PRACTICES

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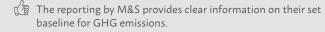
RECOMMENDED DISCLOSURE DESCRIPTION

Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 GHG emissions against the targets set and the related risks over time.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The report shows a detailed presentation of Scope 1 and 2 GHG emissions, accounted according to the <u>GHG Protocol Corporate</u> <u>Accounting and Reporting Standard</u>. The table includes emissions calculated using different methods. There is a clear presentation of emissions for the reported year and the comparative period, as well as against a set baseline. Additionally, M&S presents its activities under the <u>UN Climate Neutral Now Initiative</u>, which consists of purchasing and retiring carbon offsets and netting them against accounted emissions. An industry-specific carbon intensity metric (emissions per 1,000 square feet of salesfloor) is also included.

PREPARER PERSPECTIVE



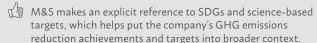




Introducing targets in an additional column would provide more clarity on the reported information.

USER PERSPECTIVE

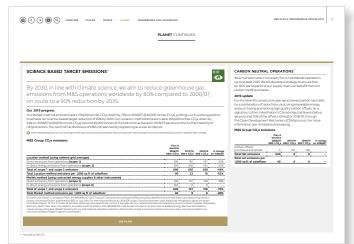




The inclusion of targets could show the company's level of ambition regarding its GHG emissions reduction strategy.



↓ Plan A - Performance Update 2019, page 9



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HOW TO IMPROVE CLIMATE-RELATED REPORTING

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RECOMMENDED DISCLOSURE DESCRIPTION

Describe the outcomes of the company's policy on climate change, including the performance of the company against the indicators used and targets set to manage climate-related risks and opportunities.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

L'Oréal presents its 2018 achievements in close relation to the targets set for 2020 in its strategy. In addition, the company mentions the 2017 results in relation to the same targets which allows users to see the company's progress over the past year.

PREPARER PERSPECTIVE

- L'Oréal describes its targets and results in a consistent way.
- The results of both the current (2018) and previous (2017) year are presented, demonstrating the company's confidence in the management of its path to sustainability.
- As four criteria are used to track the sustainability of renovated products, and some products have clearly met more than one criterion, the results could include additional information such as the percentage of products that have met more than one criterion.

USER PERSPECTIVE

- 们 L'Oréal uses simple and clear language in its description of targets and results, ensuring the report is easy to understand.
- The inclusion of previous year results makes it easier not only to track progress towards targets, but also to track year-onyear progress.
- Additional explanation would be useful in cases where there was no progress made by the company in 2018 in relation to the previous year.



↓ 2018 Progress Report, page 8

2020 commitments. 2018 results

Every year, L'Oréal reports the evolution of its sustainability performance in relation to its 2020 goals. The table below provides a concise, overall summary of the Group's progress within the four major focus areas of its Sharing Beauty With All programme, using 'strategic' performance indicators.* The figures and activities relating to each focus area are shared in detail within the pages of this report.**

Innovating sustainably



2020 TA	RGETS	2018 RESULTS	2017 RESULTS	
•	L'Oréal will reduce the CO ₃ emissions generated by its plants and distribution centres by 60% in absolute terms, compared to 2005.	-77% reduction in CO ₂ emissions from plants and distribution centres since 2005.	-73%	
,	L'Oréal will out the CO ₃ emissions linked to the transport of its products by 20% (in grams of CO ₃ per sales unit per km), compared to 2011.	-8% reduction in CO ₂ emissions linked to the transport of products (in gram of CO ₂ per sales unit per km) since 2011 with 413.568 tonnes of CO ₂ emitted in 2018.	-18%	
Ŧ	L'Oréal will lower its water consumption by 60% per finished product, compared to 2005.	-48% decrease in water consumption at plants and distribution centres since 2005 (in litre/finished product).	-48%	
Û	L'Oréal will reduce its waste generation by 60% per finished product, compared to 2005.	-37% reduction in waste generated from plants and distribution centres since 2005 (in grams per finished product).	-37%	
	L'Oréal will send zero industrial waste to landfill.	ZERO ⊘ waste to landfill from plants and distribution centres. All the Group's plants and distribution centres have achieved zero waste to landfill (exceeding regulatory requirements).	0.1%	

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SUPPLEMENT 1: CLIMATE-RELATED REPORTING PRACTICES

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RECOMMENDED DISCLOSURE DESCRIPTION

Describe the outcomes of the company's policy on climate change, including the performance of the company against the indicators used and targets set to manage climate-related risks and opportunities.

WHY IS THIS CONSIDERED GOOD REPORTING PRACTICE?

The example presents a breakdown of achievements related to a climate-related goal set for the company's board, with the results receiving a quantified achievement rate. This shows that climate change mitigation is integrated into the board's goals and into the company's remuneration policy.

PREPARER PERSPECTIVE



SCOR quantifies its achievement of climate-related goals.



Clearer information on the 2018 targets set for the board, instead of comparison to previous year results or stand-alone information, would improve transparency.

USER PERSPECTIVE



SCOR provides clear information on the percentage of the board's incentive that depends on climate-related goals.



The reported information is presented in an easy-to-read



More details on how the achievement rate is measured, used and assessed would contribute to better overall understanding of the reported information.



↓ 2018 Registration Document, page 86

REPORT ON CORPORATE GOVERNANCE

Category	2018 Objectives description	Achieved result	Achievement rate
Corporate Social and Environmental Responsibility/ Fight against climate change (10%)	Implement the Group Climate Policy	On the basis of the Climate Policy defined last year, the Chairman and Chief Executive Offlicer continued the Group's actions in the fight against climate change.	135%
		Many systems have been successfully deployed such as:	
		 25% reduction in carbon intensity by the end of 2018 (baseline: 2014), compared to a 15% reduction target by 2020; 	
		 multiplication by 2.5 of the carbon emissions offset by the acquisition of certified credits; 	
		 extension of the coal disinvestment policy to the 120 largest developers (Global Coal Exit List); 	
		 implementation of a sectoral coal exclusion policy for P&C underwriting; 	
		 implementation of a sectoral exclusion policy related to tobacco, both in terms of investments and P&C underwriting, in line with the Group's support for Tobacco-Free Finance Pledge; 	
		 adherence to the PSI/WWF/Unesco Declaration on the Protection of the World Heritage of Humanity and implementation of associated policies for both investment and P&C underwriting. 	
		The Board of Directors notes the very significant progress made by the Group in terms of climate policy, beyond the objectives set, in line with the strong involvement of the President and Chief Executive Officer.	
Corporate Social and Environmental Responsibility/ Human Capital Management (10%)	Broadening and deepening of the Group's talent	Under the leadership of the Chairman and CEO, the Group pursued an active employee development policy with 98.5% of employees having received training during the year.	140%
	pool, including the development of SCOR's employer brand	In addition, more than 85% of employees will have been covered by the internal process of Strategic Talent Workforce Review (STWR), allowing management to have a broad view of everyone's skills and aspirations, to	
	Conduct a policy of active career and skill management	prepare succession plans and to promote internal promotion. Thus, the Group has experienced 8 internal promotions at the top management level (EGP-SGP) against only one external recruitment, attesting to the depth of its talent pool.	
		Finally, the Group successfully deployed its employer brand, with the deployment of a proactive communication campaign between late 2018 and early 2019 using internal and external social networks. This campaign has made it possible to significantly increase the number of SCOR followers on social networks.	
		The Board of Directors notes the high quality of the Group's human capital management and the fact that it has exceeded its objectives.	

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(Metrics and targets)

Allianz

ABN AMRO

L'Oréal

M&S

L'Oréal

SCOR

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APPENDIX 2: Acronyms and abbreviations

The PTF-CRR review identified several reporting practices to avoid, such as producing generic information, reporting without prior materiality assessment and reporting without a common narrative. Issues with coherence and transparency were also noted.

Generic information

Generic information makes it hard for users to evaluate the scope of commitment to climate change. Examples of generic information are:

- Policy formulation without specific details.
- Communication of commitments to climate-related initiatives without sufficient relevant information on how to achieve it.

Generic information does not provide enough details for a reader to assess a company's commitment and ambitions.

Insufficient operationalisation

Being able to act on climate-related commitments, including having sufficient resources and management structures in place, is crucial for achieving the objectives that companies express in their reports. Examples of insufficient operationalisation are:

• Insufficient information on actions related to climaterelated risks and opportunities.

- Poor definition of management's role in assessing and managing climate-related risks and opportunities.
- Lack of clarity on the board's oversight of climate-related risks and opportunities.

Missing outcomes and impacts

Examples of missing outcomes and impacts are:

- Failure to report the outcome of scenario analysis.
- Failure to address positive and negative impacts of climate-related aspects on the company's business model.

Without sufficient detail on the outcomes and impacts found using scenario analysis, nor on the company's response to managing these, the reader may not have sufficient information to assess whether or not the company has the appropriate processes in place to manage the outcomes and impacts.

Poor connectivity of information

The review of climate-related disclosures has identified a lack of:

- Connections between various elements of the report.
- References to supporting information elsewhere (such as a sustainability report, or greenhouse gas report).

• References to national and international commitments, such as the Paris Agreement or the UN SDGs.

Disclosure elements that are connected provide additional information and reinforce each other, establishing a more complete picture of the organisation's approach to assessing and managing climate-related risks and opportunities. For example, an organisation's strategy disclosures may provide insight into how it has chosen to respond to key climate-related risks and opportunities.

Lack of supporting information

The review also found that statements made were not sufficiently underpinned by supporting information, for example:

- Disclosures on scenario analysis are not linked to a description of the methodologies used.
- Disclosures often lack a clear identification and description of climate-related risks in the short, medium and long term.

Supporting information is helpful for users trying to understand the risk assessment process of the company and whether or not the company's responses to the identified risks are appropriate.



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Directive 2014/95/EU – the EU Non-financial Reporting Directive

European Commission guidelines on non-financial reporting, June 2017

Recommendations of the Task Force on Climaterelated Financial Disclosures, June 2017

European Commission Guidelines on reporting climate-related information, June 2019

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Acronyms and abbreviations



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2°C	2° Celsius
ADEME	French Environment & Energy Management Agency
BNEF	Bloomberg New Energy Finance
IIRC	International Integrated Reporting Council
Cap (large-cap, mid- cap or small-cap)	Market capitalisation (large, medium or small)
C ₂ ES	Centre for Climate and Energy Solutions
CDP	Formerly Carbon Disclosure Project
CDSB	Climate Disclosure Standards Board
COP ₂₁	21st session of the Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC). See also <i>Paris</i> <i>Agreement</i> below.
CRR	Climate-related Reporting
EBRD	European Bank for Reconstruction and Development
E P&L	Environmental profit and loss account
ESG	Environmental, social and governance
European Lab	European Corporate Reporting Lab @EFRAG
European Lab SG	European Lab Steering Group
FSB	Financial Stability Board
G20	Group of Twenty nations
GeSI	Global e-Sustainability Initiative
GHG	Greenhouse gas
GICS	Global Industry Classification Standard
GRI	Global Reporting Initiative
I4CE	Institute for Climate Economics
IAMs	Integrated Assessment Models
IAS/IFRS	International Accounting Standards/International Financial Reporting Standards

IEA	International Energy Agency
IIGCC	Institutional Investors Group on Climate Change
IPCC	Intergovernmental Panel on Climate Change
KPI	Key Performance Indicator
MIT	Massachusetts Institute of Technology
NBGs	European Commission's non-binding guidelines on non-financial reporting
NFRD	Directive 2014/95/EU - the EU Non-Financial Reporting Directive
NGO	Non-Governmental Organisation
OECD	Organisation for Economic Co-operation and Development
Paris Agreement	Paris Agreement under the United Nations Framework Convention on Climate Change (also called Paris Climate Agreement or COP21)
PRI	Principles for Responsible Investment (PRI)
PTF-CRR	European Lab Project Task Force on Climate-related Reporting
RCP	Representative Concentration Pathway
SASB	Sustainability Accounting Standards Board
SBT; SBTI	Science Based Targets; Science Based Targets Initiative
SDGs/UN SDGs	Sustainable Development Goals of the United Nations General Assembly
SDS	Sustainable Development Scenario
TCFD	Task Force on Climate-related Financial Disclosures
TRE	Thomson Reuters Eikon
UN	United Nations
UNGC	United Nations Global Compact
UNEP	United Nations Environment Programme
VaR	Value at Risk

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