Climate-related risk assessments and financial disclosures

Our services to answer the challenge of the TCFD recommendations

June 2018
Climate change is arguably the most severe challenge facing our planet during the 21st century. Human interference with the climate system - through the emission of greenhouse gases (GHG) and changes in land use - has increased the global and annual mean air temperature at the Earth’s surface.

Climate change is a truly cross-cutting issue and a global challenge that affects many sectors and cannot be considered in isolation from other challenges.
At Deloitte, we believe that strategies centered around sustainable development are key in transforming the public and private domain.

Firms must re-evaluate and prioritize all aspects of their business - their products, services, organization, marketing and communication, financial choices, their interaction with civil society - through a new “sustainability” lens.

Policy makers are challenged to rethink their courses of action: creating alliances and partnerships with various actors in society, with business and citizens alike, to achieve change.

Deloitte Sustainability Services are the leading team worldwide, covering the entire value chain of consulting in sustainable development, from idea creation to concrete implementation.

Deloitte Sustainability Services are comprised of 800 sustainability consultants worldwide.
Deloitte Sustainability offers tailor-made and comprehensive solutions for managing climate risk and reporting.

In particular, Deloitte helps organisations assess and disclose their climate-related risks and opportunities. Our expertise is based on transparent and robust methodologies aligned with the Task Force on Climate-related Financial Disclosures’ (TCFD) Recommendations and Guidance, published in 2017. The TCFD’s recommendations address four key pillars: governance, strategy, risk management and metrics & targets. They aim at promoting consistent “disclosures that will help financial market participants understand their climate-related risks.”

**GOVERNANCE**
- Identification and designation of key management roles in assessing and managing climate-related risks and opportunities.
- Knowledge transfer and training of Board members on the key risks and opportunities of climate change.

**STRATEGY**
- Scenario and strategy development
- Cost benefit analysis, including impact assessment of potential risks and opportunities

**RISK MANAGEMENT**
- Identification, prioritization of risks & opportunities
- Risk quantification and analysis
- Integration of climate risks in overall risk management strategy
- Development of action plan to mitigate climate-related risks

**METRICS & TARGETS**
- Identification of key data needs, scope, targets and objectives
- Definition of key performance indicators, monitoring strategies and roadmap

Our experts bring the strategic, economic, technical, risk management and sustainability skills required to provide a comprehensive service offering.
Challenges and objectives

Identifying, assessing and managing climate risks to ensure the long term sustainability of your business

1 AT STAKE
Positive and negative impacts of climate change risks on business activities

Climate change risks can positively or negatively impact business activities and businesses have also an impact on climate change. A strategy supported by viable tools, is needed to address potential climate change risks and challenges for the company: policy regulation, availability of raw materials, geopolitical context, etc.

2 SHORT-TERM OBJECTIVES
Identify key climate change risks, priority risks and mitigation actions

Understand “hot spots” and design framework for risks monitoring and potential communication to internal and external stakeholders, including shareholders, based on a robust and transparent risk framework.

3 LONG-TERM OBJECTIVES
Monitor and mitigate risks

Monitor and mitigate risks, ensure findings contribute to key business decisions, communicate to stakeholders using appropriate risk frameworks.
Our approach in four steps

A clear, step-by-step, cost-effective approach ensuring short to long term actions against climate change risks.
Deloitte helps organisations from start to finish or intervenes at specific steps of the approach.

1. **IDENTIFICATION AND PRIORITIZATION OF YOUR KEY CLIMATE-RELATED RISKS AND OPPORTUNITIES**
   - Definition of the scope, parameters, main data needs, targets, indicators and objectives
   - Data collection and stakeholder consultation
   - Quantification and analysis of key climate-related risks and opportunities

2. **ANALYSIS OF TAILOR-MADE CLIMATE SCENARIOS**
   - Definition of scenarios (including a 2°C scenario) taking into account: increase in global temperature, worldwide endorsement of policies to fight climate change, specific factors for each economic sector, potential disruptions
   - Detailing risks and opportunities for each scenario

3. **DEVELOPMENT OF ACTIONS TO MITIGATE RISKS**
   - Development and implementation of actions to address priority risks and opportunities
   - Short, mid and long-term – feasible and flexible solutions
   - Development of key performance indicators to measure and monitor progress

4. **COMMUNICATION AND DISCLOSURE OF CLIMATE-RELATED RISKS AND OPPORTUNITIES**
   - Climate disclosure report according to TCFD recommendations
   - Summary of key findings and the way forward, including any uncertainties and/or areas for further investigation
Prioritisation of climate-related risks:
- Magnitude of risk: scope
- Likelihood of risk
- Potential impacts and consequences e.g. financial impacts include impacts on revenue statements, cash flow and balance sheet, etc.

Build upon promising opportunities:
- Opportunities could offset potential risks e.g. new investments, reduced operating costs, access to new markets
- Opportunities focused on climate change mitigation and adaptation solutions and a transition to a lower-carbon economy
ANALYSIS OF TAILOR-MADE CLIMATE SCENARIOS

• Scenario analysis allows to explore and develop an understanding of how various combinations of climate-related risks, both transition and physical risks, may affect your businesses, strategies, and financial performance over time.

• Scenarios are hypothetical constructs and not designed to deliver precise outcomes or forecasts. Instead, scenarios provide a way for organizations to consider how the future might look if certain trends continue or certain conditions are met.

• The TCFD provides in-depth step by step guidance, including a specific technical supplement on scenario analysis on how to carry out scenario analysis, including recognition of key issues and challenges to consider.

• Our approach goes one step further, enabling a progressive analysis and leveraging on your understanding of your business.

Deloitte’s scenario development process: Flexible process, common architecture

Scenario analysis improves judgment and decision-making in the face of radical uncertainty
DEVELOPMENT OF ACTIONS TO MITIGATE RISKS

- Actions to mitigate and adapt to the identified climate change risks for your company will be developed based on findings from internal consultation and external benchmark. The actions should be coherent with both your current actions as well as relevant international initiatives.

The action plan can be adapted to reflect evolutions such as technologic developments, policy context, etc. The action plan also highlights the areas of highest risk and vulnerability, what can be done, by who and by when, etc.
The TCFD’s recommendations include detailed guidance on the structure and contents of the climate disclosures. There is also supplemental guidance for the financial and non-financial sectors, highlighting important sector-specific considerations.

Certain elements from the climate disclosures reported may be adapted to reflect more specifically the scope and interests of your organisation. They can be used as a strategic communication tool for internal purposes and for external stakeholders. Further, the disclosures can be included in financial filings and for investors.
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Contacts

Deloitte Sustainability Services offer tailored and comprehensive solutions for managing climate risk and reporting. Our experts are equipped with strategic, economic, analytical, and technical skills to provide an exhausting service offering to our clients.

Eric Dugelay  
Partner, Sustainability Services  
Member of the TCFD  
+33 1 55 61 54 13  
edugelay@deloitte.fr

Julien Rivals  
Partner, Sustainability Services  
+33 1 40 88 83 94  
jrivals@deloitte.fr

Olivier Jan  
Partner, Global Leader, Sustainability Services  
+33 1 55 61 60 81  
ojan@deloitte.fr

Nadège Grennepois  
Partner, Risk Advisory  
+33 1 55 61 62 28  
grennepois@deloitte.fr
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Deloitte
6 place de la Pyramide - 92908 Paris-La Défense Cedex

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