

La naturaleza como factor decisivo en las finanzas

Análisis del marco TNFD

Bienvenida

Luís Herrero, presidente de Barcelona Centro Financiero Europeo (BCFE)

Adrià Gelabert, director general clientes y mercados de Anthesis

Jordi Martínez, director de educación financiera del Instituto de Estudios Financieros (IEF) y la Barcelona Finance School (BFS)

Keynote Speech

Mark Halle, Asesor Principal de UNDP *Financial Centres for Sustainability* (UNDP FC4S)



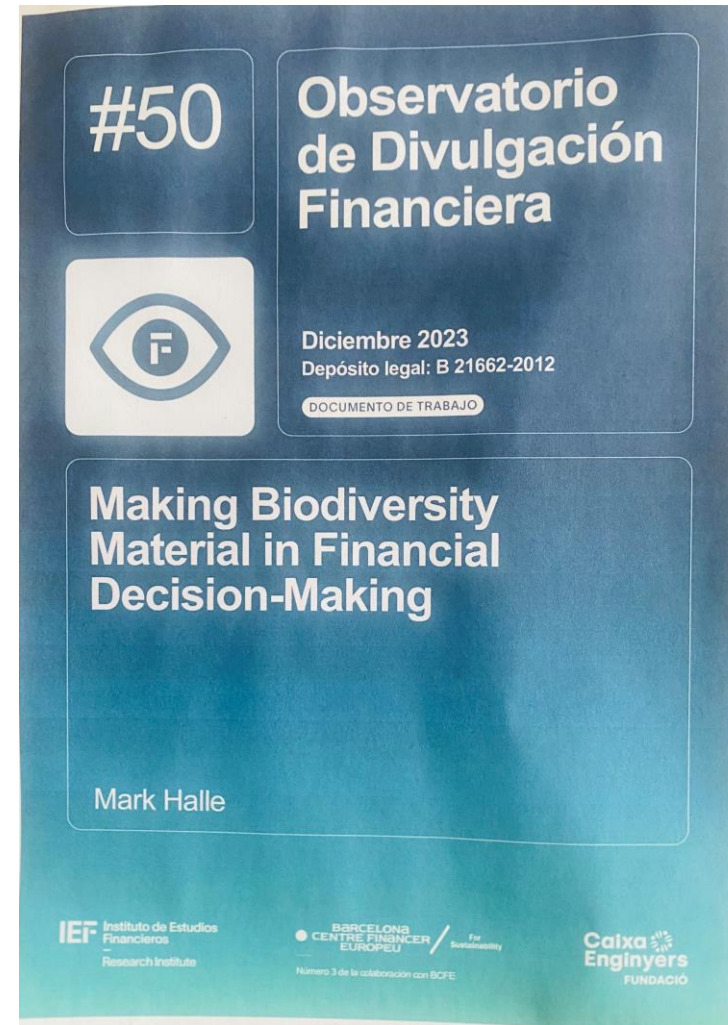
Nature as a Key Factor in Finance – Reflections on the TNFD Framework

Mark Halle
Senior Advisor
June 2024

Last year's message: Nature Finance has become unavoidable

- Paper set out the key elements of the nature finance transition
- Key message: biodiversity is becoming material to financial decision-making
- The foundation enabling biodiversity to be mainstreamed into financial decision-making is coming together quickly

This year's message: Nature finance is growing by leaps and bounds and is rapidly becoming a mainstream concern for the financial world, both as a risk factor and, increasingly, as an opportunity linked to emerging nature markets and the growing bioeconomy.





What has happened?

- Kunming-Montreal Global Biodiversity Framework steering global action
- TNFD Framework launched, and the implementation phase is underway
- G20 launches the Initiative on Bioeconomy
- First moves towards Biodiversity Credit markets
- EU Nature Restoration Law adopted

Nature-risks – Everywhere and Increasingly Frequent



The New York Times

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OPINION
GUEST ESSAY

The Coming Crisis Along the Colorado River

Aug. 4, 2022



'We worry about it disappearing': alarm grows over Italy's drought-hit Po River

Drought blighting country's longest waterway continues as economic hub battles climate crisis



Boats lie on a desiccated bank of the River Po in Boretto, Italy. Photograph: Piero Cruciatti/AFP/Getty Images

Climate change [+ Add to myFT](#)

Wildfires destroy almost all forest carbon offsets in 100-year reserve, study says

Carbon released by US forests burnt in recent blazes expected to wipe out most of the buffer in Californian trading system

NEWS

Housing buyback details for Northern Rivers flood zone expected in weeks

ABC North Coast / By flood recovery reporter Bruce MacKenzie

Posted Fri 15 Jul 2022 at 9:44pm

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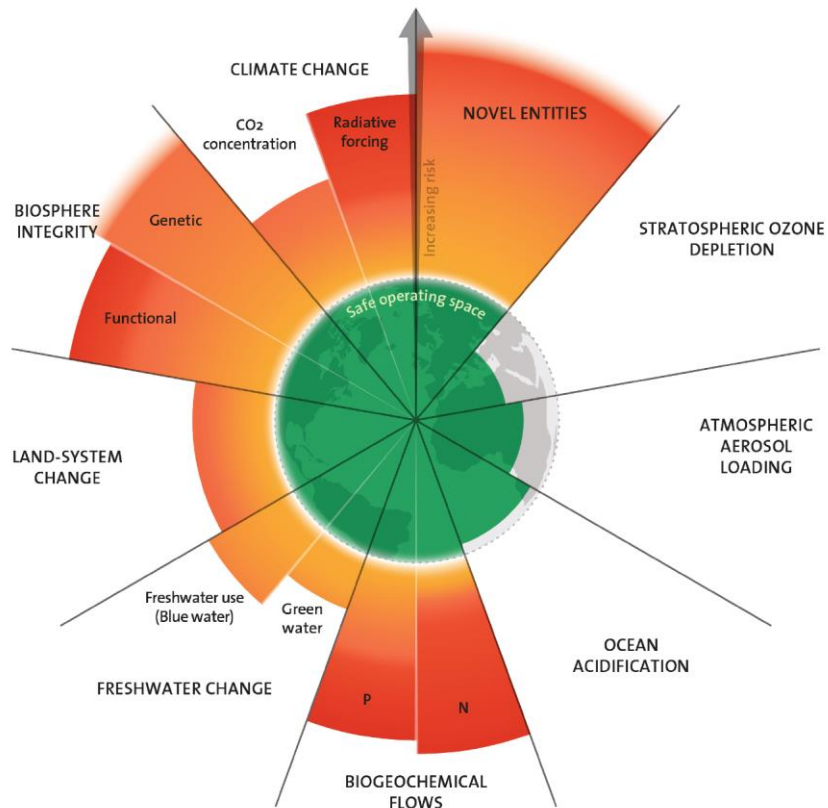
How heatwaves are creating a pollen crisis



Nature: From CSR to core risk management

The declining health and resilience of the earth's systems...

...is clearly reflected in risk perceptions.



10 years

- 1st Extreme weather events
- 2nd Critical change to Earth systems
- 3rd Biodiversity loss and ecosystem collapse
- 4th Natural resource shortages
- 5th Misinformation and disinformation
- 6th Adverse outcomes of AI technologies
- 7th Involuntary migration
- 8th Cyber insecurity
- 9th Societal polarization
- 10th Pollution

Now we no longer speak about a Foundation, but of Building a Nature Finance Operating System



Data



Metrics



Accounting

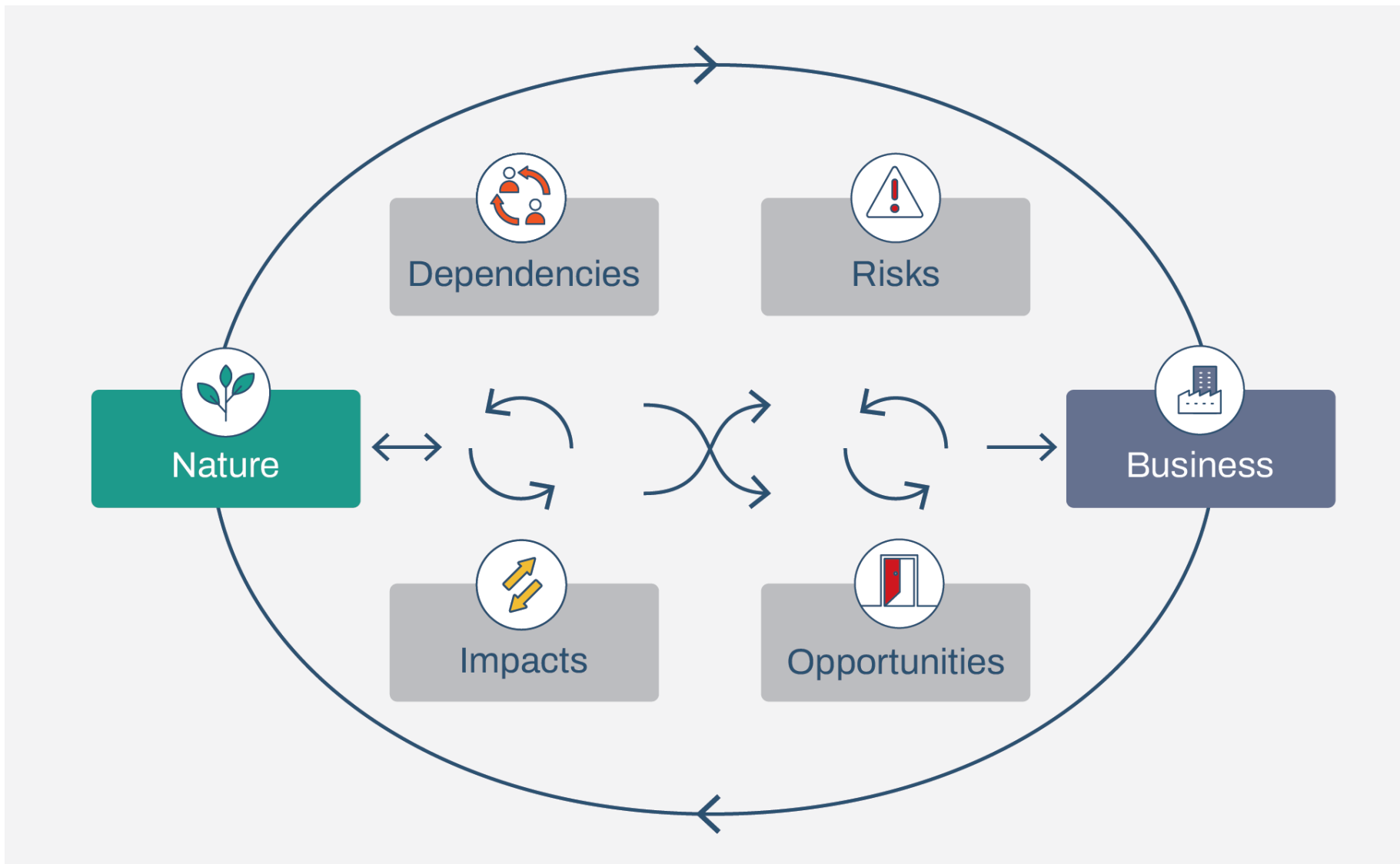


Policy and
Regulations



Standards

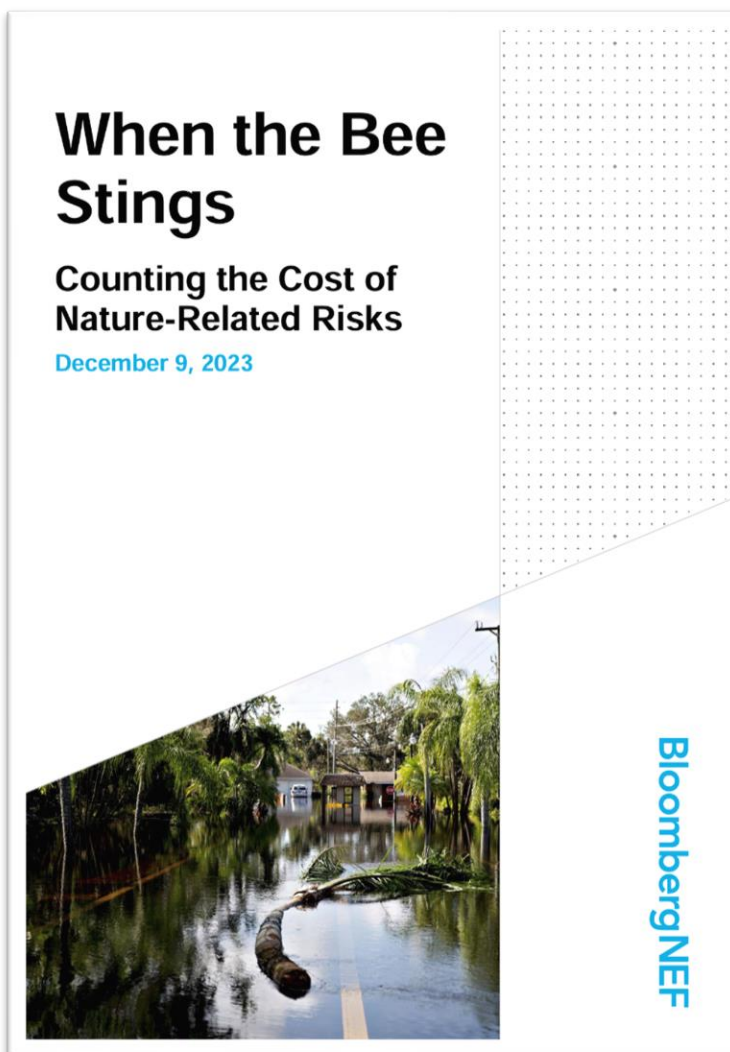
Key building blocks aligned with emerging requirements



Nature risk is financial risk: Case studies & examples

“As central banks and supervisors, we have every reason to be concerned because **it’s an illusion to think we can preserve financial stability if this (nature) degradation continues.**”

*Klaas Knot, DNB and FSB Chair
7 September 2023*



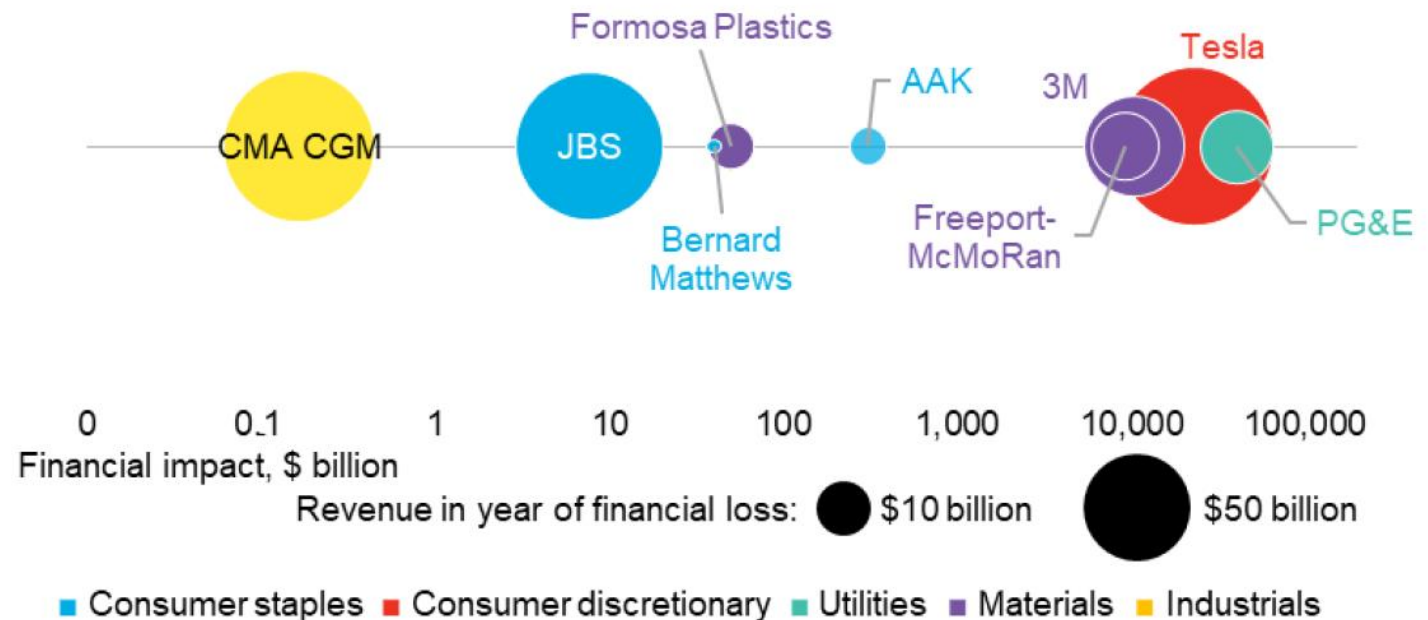
10 case studies across sectors and geographies, with **US\$83.2 billion in total** financial impact

- Quantified financial risks – market cap, credit ratings, revenues, capex
- Reputation and litigation risks
- CEO tenure and director liability

The financial costs of nature-related risks

\$83.2 billion: Total financial impact on the 10 firms profiled in Bloomberg NEF case studies, including:

- Over 90% fall in market cap
- Credit rating downgrades
- Litigation settlements of ranging up to \$5.4 billion
- Major reputational damage (loss of consumer loyalty, and senior executives losing the confidence of investors and their jobs)



Nature and climate risks are converging

Tesla and the reliance on groundwater

- Declining groundwater levels exacerbated by climate change
- Environmental groups filed a licensing complaint based on Tesla's Berlin-Brandenburg gigafactory not sufficiently considering its impact on groundwater levels
- Led to delays costing **\$5.7 billion**
- **3.1%** decline in company's share price between NGOs' complaint about water licensing and stock market opening

TECHNOLOGY

Tesla's first European factory needs more water to expand. Drought stands in its way

NOVEMBER 3, 2022 · 6:22 AM ET



BUSINESS | GERMANY



Tesla in Germany: Locals vote against factory expansion plan

02/20/2024

Residents of Grünheide near Berlin have voted against expansion plans for the large Tesla facility there. But the vote is not binding and local authorities can still decide. Turnout was high, though, indicating interest.



TECH

Tesla shares slip 4.5% after suspected arson attack halts production at Berlin Gigafactory



Tesla halts production at German factory after attack claimed by far-left group

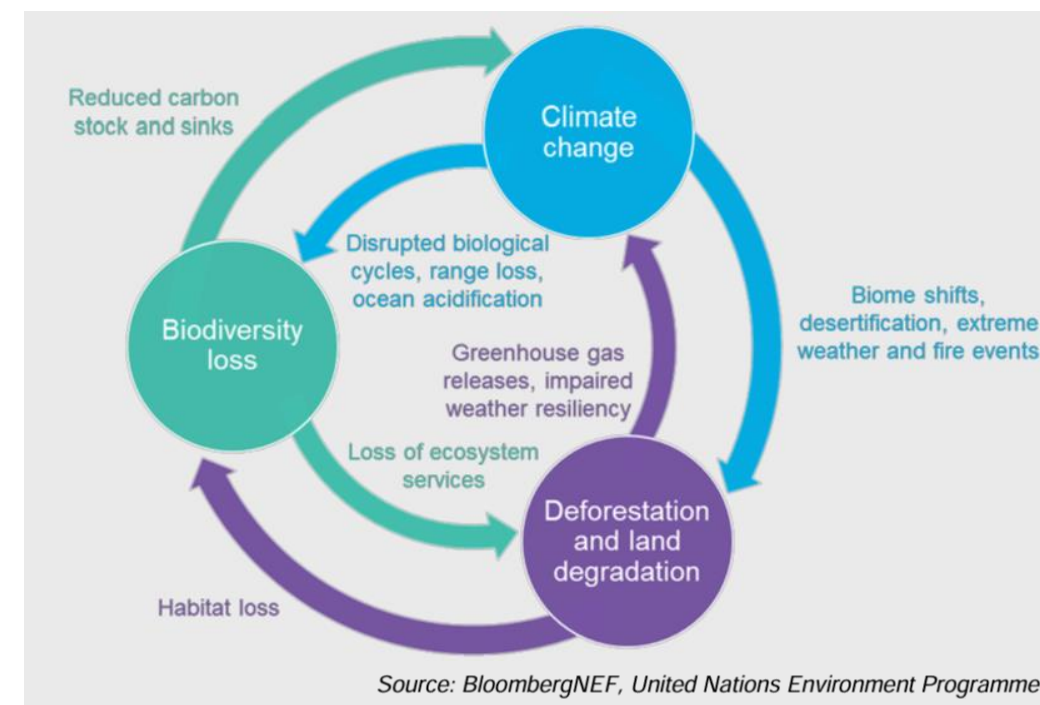
Tesla halted production at its German factory Tuesday after power lines supplying the electric carmaker's only European plant were set on fire in an act of sabotage claimed by a far-left group.

Issued on: 05/03/2024 - 19:49 ⌚ 3 min

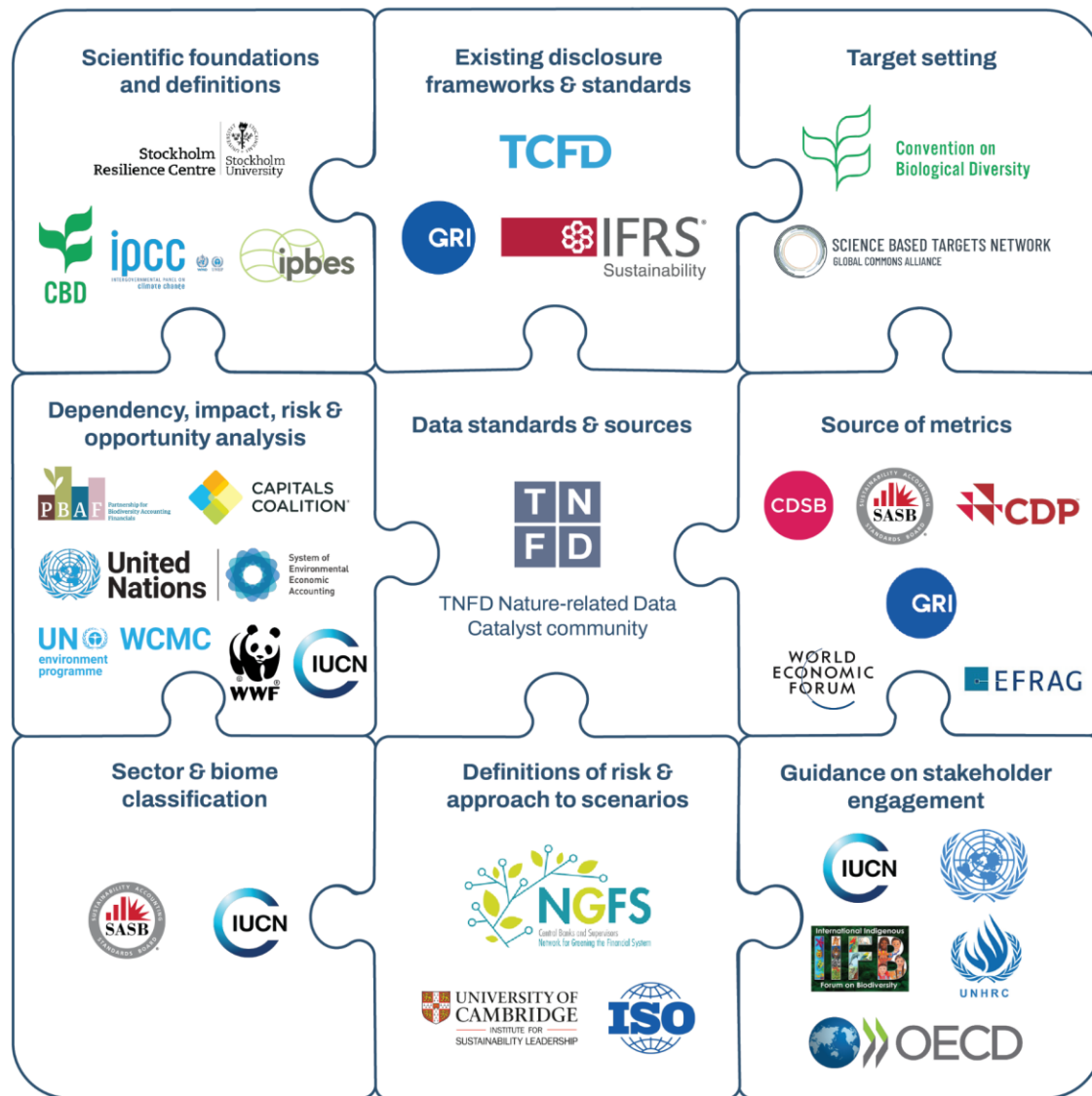
Nature and climate risks are two sides of the same coin

PG&E, California electric utility company

- Severe and prolonged drought, exacerbated by climate, has led to higher vulnerability to wildfires
- Forced to file for Chapter 11 bankruptcy: liable for damage caused by unmaintained power lines



Focus on interoperability and consistency



L **Locate**
The interface with nature

E **Evaluate**
Dependencies & impacts

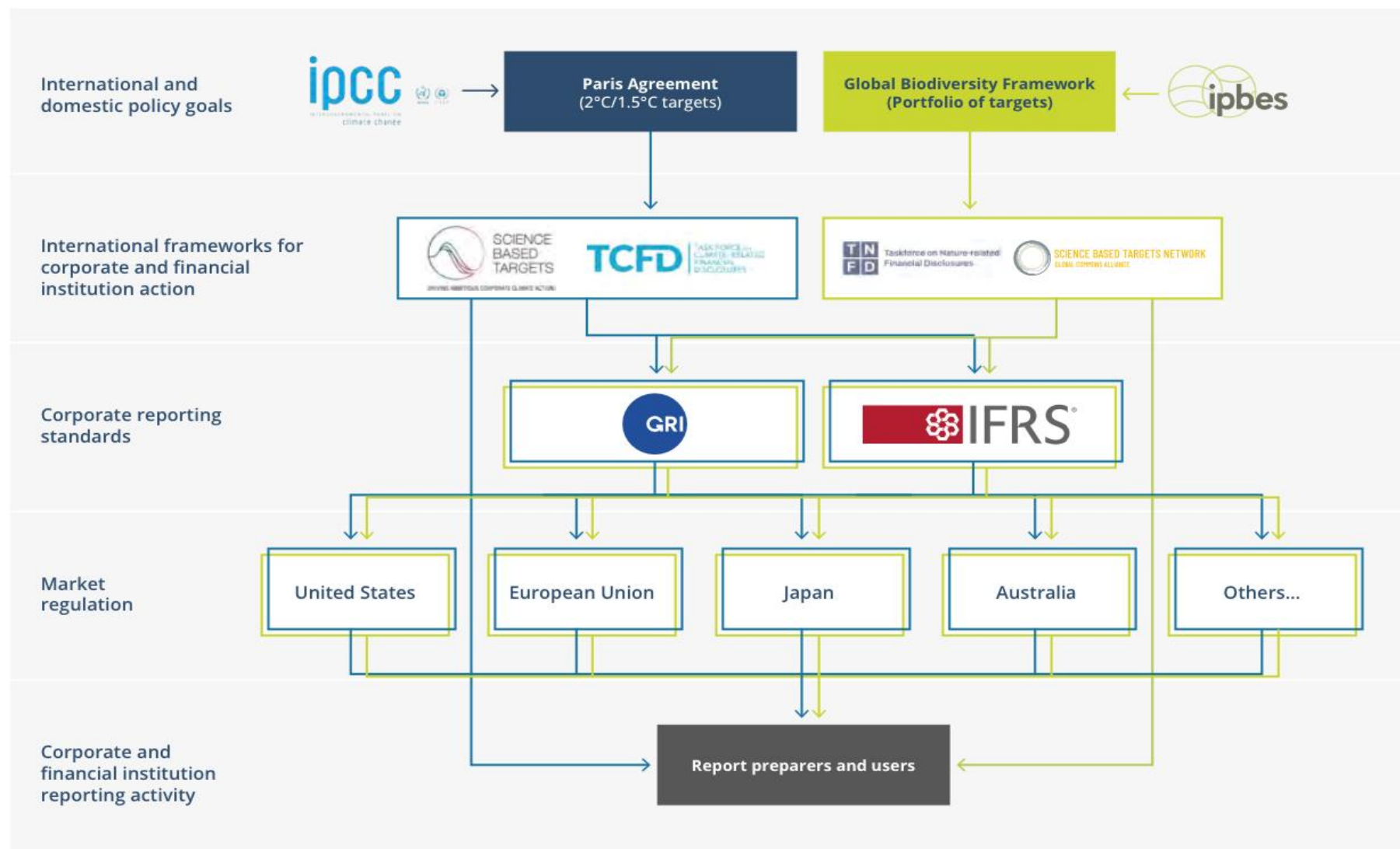
A **Assess**
Risks & opportunities

P **Prepare**
To respond & report

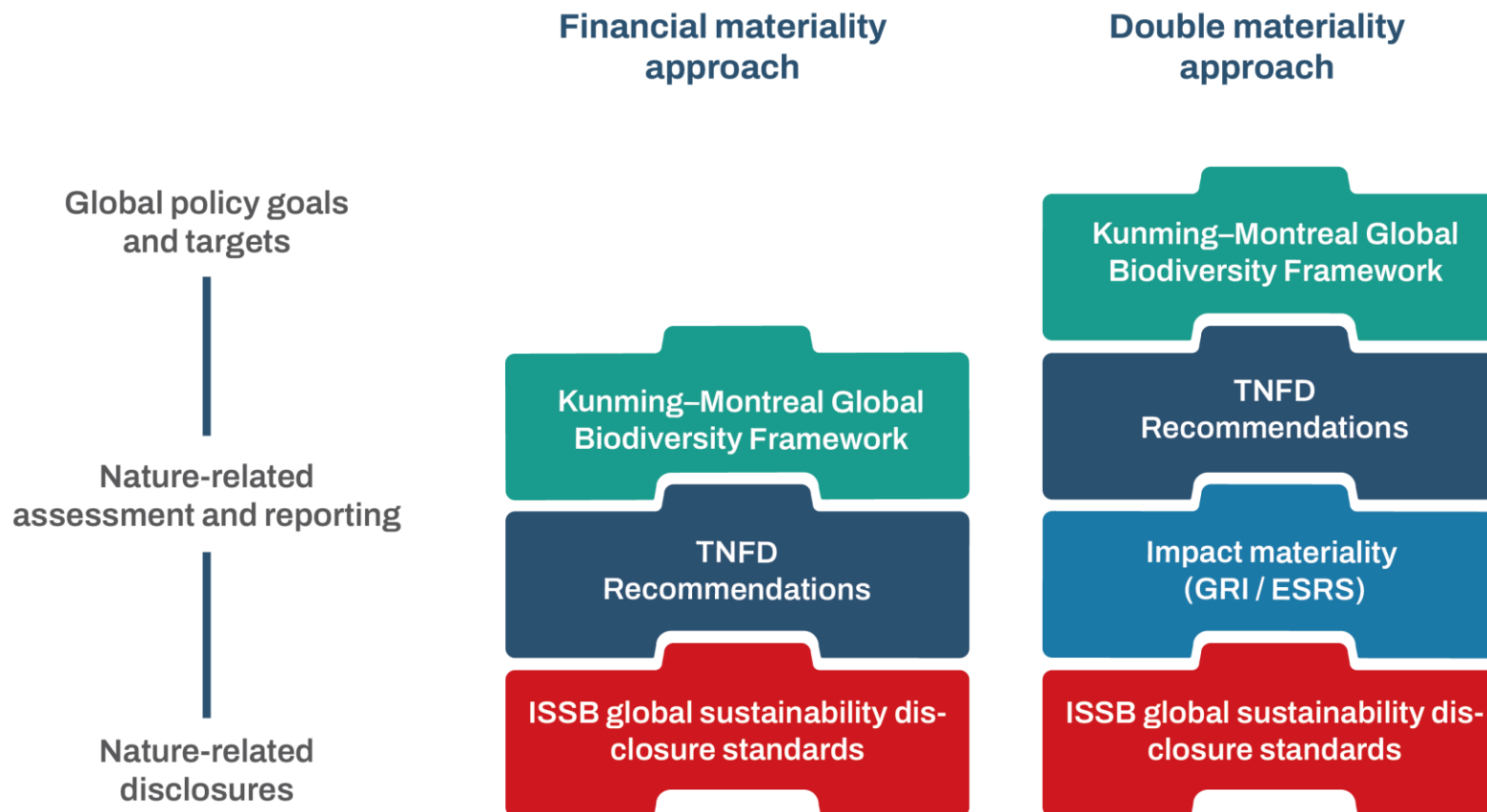
Our Approach: Align to global policy goals & emerging regulation

Pathways to adoption

- 1 Companies start adopting on a voluntary basis while nature-disclosure standards develop further
- 2 TNFD recommendations inform further standards development
- 3 TNFD recommendations inform regulatory developments



Enabling the materiality preferences of preparers



Meeting the material information needs of capital providers consistent with the ISSB's IFRS Standards and the TCFD recommendations, with a focus on risk management and how dependencies and impacts on nature create risks and opportunities for an organisation's financial position and prospects.

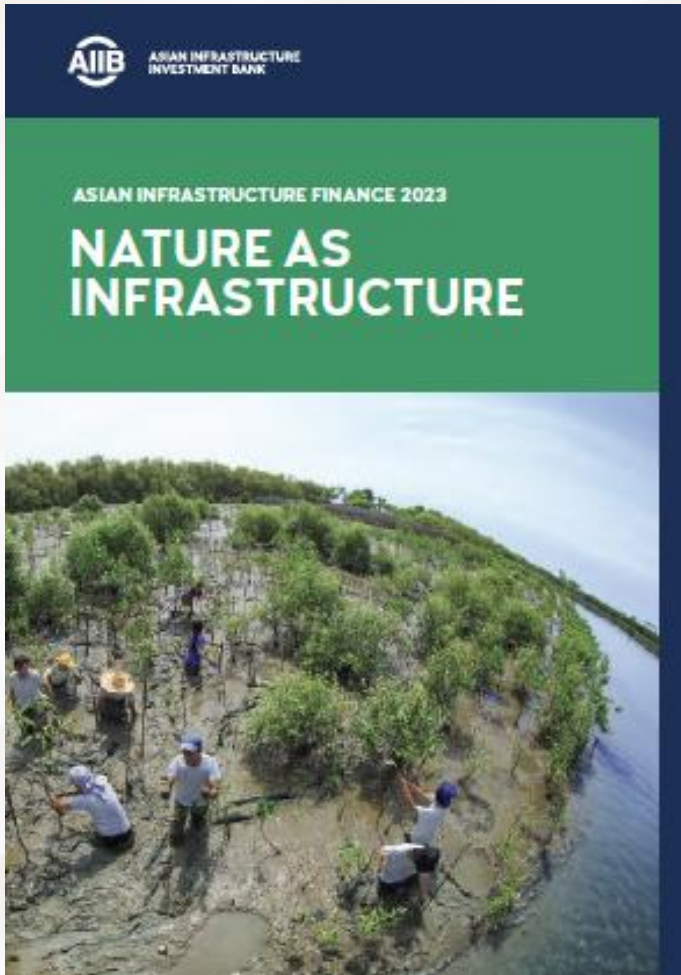
Meeting the material information needs of stakeholders focused on impacts, aligned with a broader materiality approach, reporting against both the ISSB and the GRI standards.

What's next for TNFD

- Expanded global engagement
- Capacity building initiatives
- Sector guidance
- Additional guidance – value chains & transition planning
- Blueprint for a global nature public data facility



Nature as Infrastructure



“Nature is a form of infrastructure, and a very special form so far as humanity is concerned. While infrastructure is commonly understood as being a human construction, nature is the most essential form of infrastructure that can be imagined. Nature has the power to feed us, heal us and help us grow. We depend on nature, and the biodiversity it facilitates, for our food, energy, water, resources, medicine, employment and leisure. Humankind cannot exist without nature.”

*Jin Liqun
President and Chair of the Board of Directors
Asian Infrastructure Investment Bank*

Nature Finance – marginal no longer

- Nature markets now represent \$9.8 trillion – or roughly 10% of global GDP
- Of this, \$4.6 trillion is extractives, and \$4.3 trillion agriculture and livestock.
- If it were an economy, it would rank 3rd after the US and China
- Nature-aligned private finance runs at \$9.4 billion and is expected to grow by an order of magnitude over the coming 4 years
- Moving from a risk and compliance lens to an opportunity lens
- From a rearguard action to the front foot
- From fragmented to systematic



Nature Finance @ NatureFinance



www.naturefinance.net

www.naturemarkets.net (Taskforce on Nature Markets)

www.ssdh.net (Sustainability linked Sovereign Debt Hub)



**NATURE
FINANCE**

Mesa 1

Cómo entender el marco político y regulatorio de las finanzas para la biodiversidad y a que paso se desarrolla

MODERA

Mark Halle, Asesor Principal de UNEP sobre el Diseño de un Sistema Financiero Sostenible

PONENTES

Anna Estella, subdirectora general de Información y Fomento de la Sostenibilidad de la Generalitat de Catalunya

Adrián García, doctor en tecnologías industriales, experto en sostenibilidad e investigador en evaluación del capital natural en la URJC

Mesa 2

Oportunidades y retos de la implementación del marco

MODERA

Nuria Asensio, manager de natura de Anthesis

PONENTES

Isabel Gavin, gerente del equipo de Riesgos de Sostenibilidad de CaixaBank

Dulcinea Meijide, directora de desarrollo sostenible y equidad de AGBAR

Yolanda Romero Ortuño, responsable de Medio Ambiente y Cambio Climático de Cellnex Telecom

¡Gracias!