



Riesgos financieros y medio ambiente

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WWF – Práctica Global de Finanzas

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CLIMATE RISKS: 1.5°C VS 2°C GLOBAL WARMING

EXTREME WEATHER

100% increase in flood risk. vs **170%** increase in flood risk.

SPECIES

6% of insects, **8%** of plants and **4%** of vertebrates will be affected. vs **18%** of insects, **16%** of plants and **8%** of vertebrates will be affected.

WATER AVAILABILITY

350 million urban residents exposed to severe drought by 2100. vs **410 million** urban residents exposed to severe drought by 2100.

ARCTIC SEA ICE

Ice-free summers in the Arctic at least once **every 100 years.** vs Ice-free summers in the Arctic at least once **every 10 years.**

PEOPLE

9% of the world's population (700 million people) will be exposed to extreme heat waves at least once every 20 years. vs **28%** of the world's population (2 billion people) will be exposed to extreme heat waves at least once every 20 years.

SEA-LEVEL RISE

46 million people impacted by sea-level rise of 48cm by 2100. vs **49 million people** impacted by sea-level rise of 56cm by 2100.

OCEANS

Lower risks to marine biodiversity, ecosystems and their ecological functions and services at 1.5°C compared to 2°C.

CORAL BLEACHING

70% of world's coral reefs are lost by 2100. vs Virtually **all coral reefs are lost** by 2100.

COSTS

Lower economic growth at 2°C than at 1.5°C for many countries, particularly low-income countries.

FOOD

Every half degree warming will consistently lead to lower yields and lower nutritional content in tropical regions.

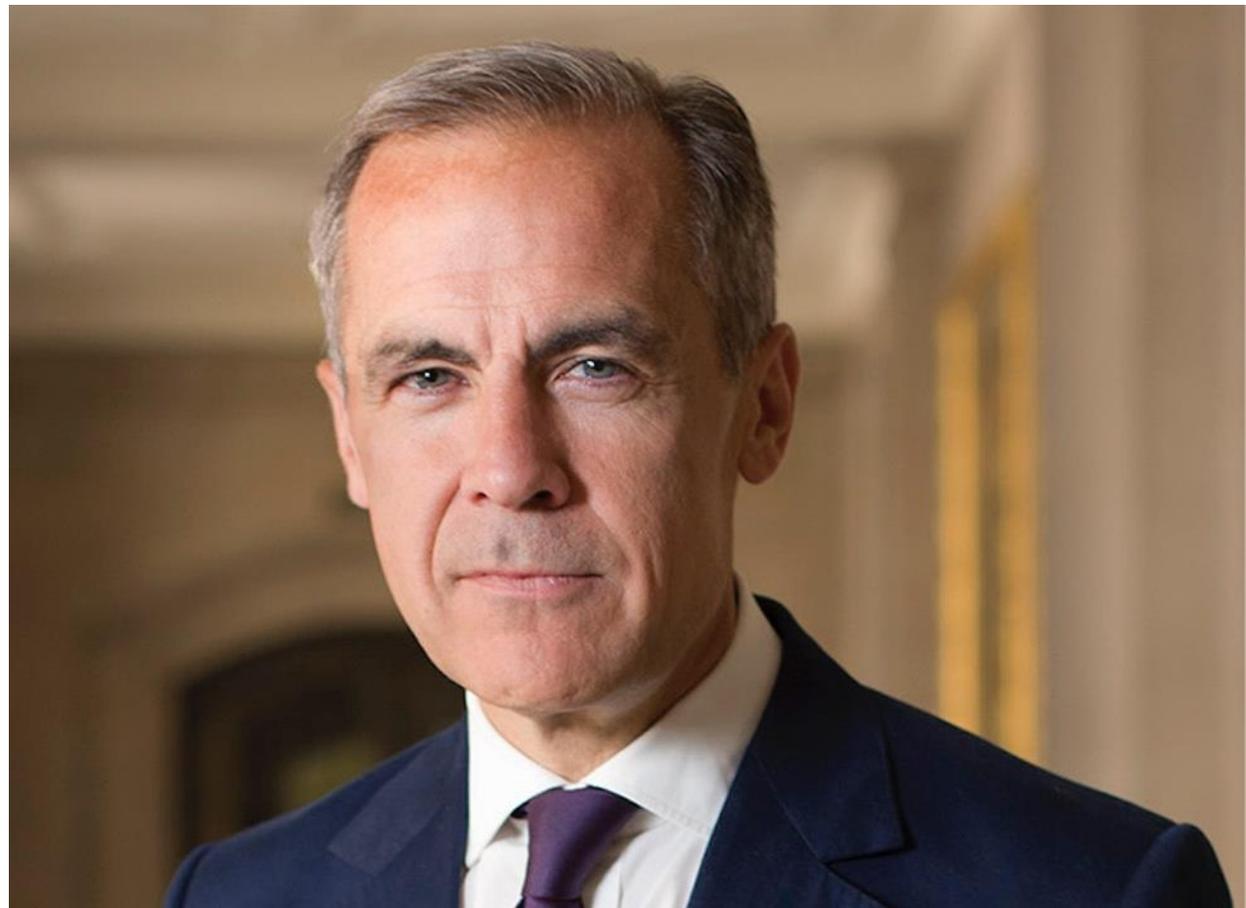


El riesgo climático es un riesgo financiero



Companies and industries that are not moving towards zero-carbon emissions will be punished by investors and go bankrupt.

*Mark Carney,
Former Governor of the Bank of England,
UN Special Envoy on Climate Finance
October 2019*

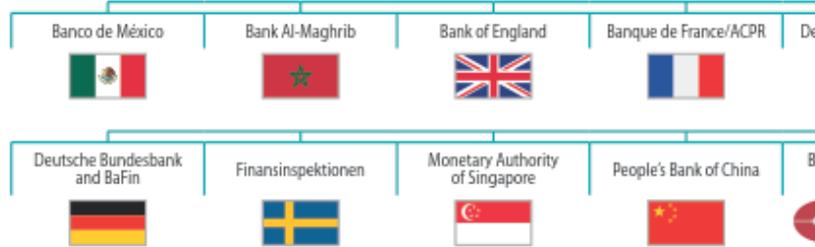




Los reguladores están al tanto



Steering Committee Members and Observer



Plenary Members and Observers



BIS
BANQUE DE FRANCE
EUROSYSTEME

The green swan

Central banking and financial stability in the age of climate change

Patrick BOLTON - Morgan DESPRES - Luiz Awazu PEREIRA DA SILVA
Frédéric SAMAMA - Romain SVARTZMAN

January 2020



Sector público y privado ya están actuando



TCFD

TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

**FOR IMMEDIATE RELEASE:
WEDNESDAY, FEBRUARY 12, 2020
7AM ET, 12PM GMT, 1PM CET, 8PM HKT**

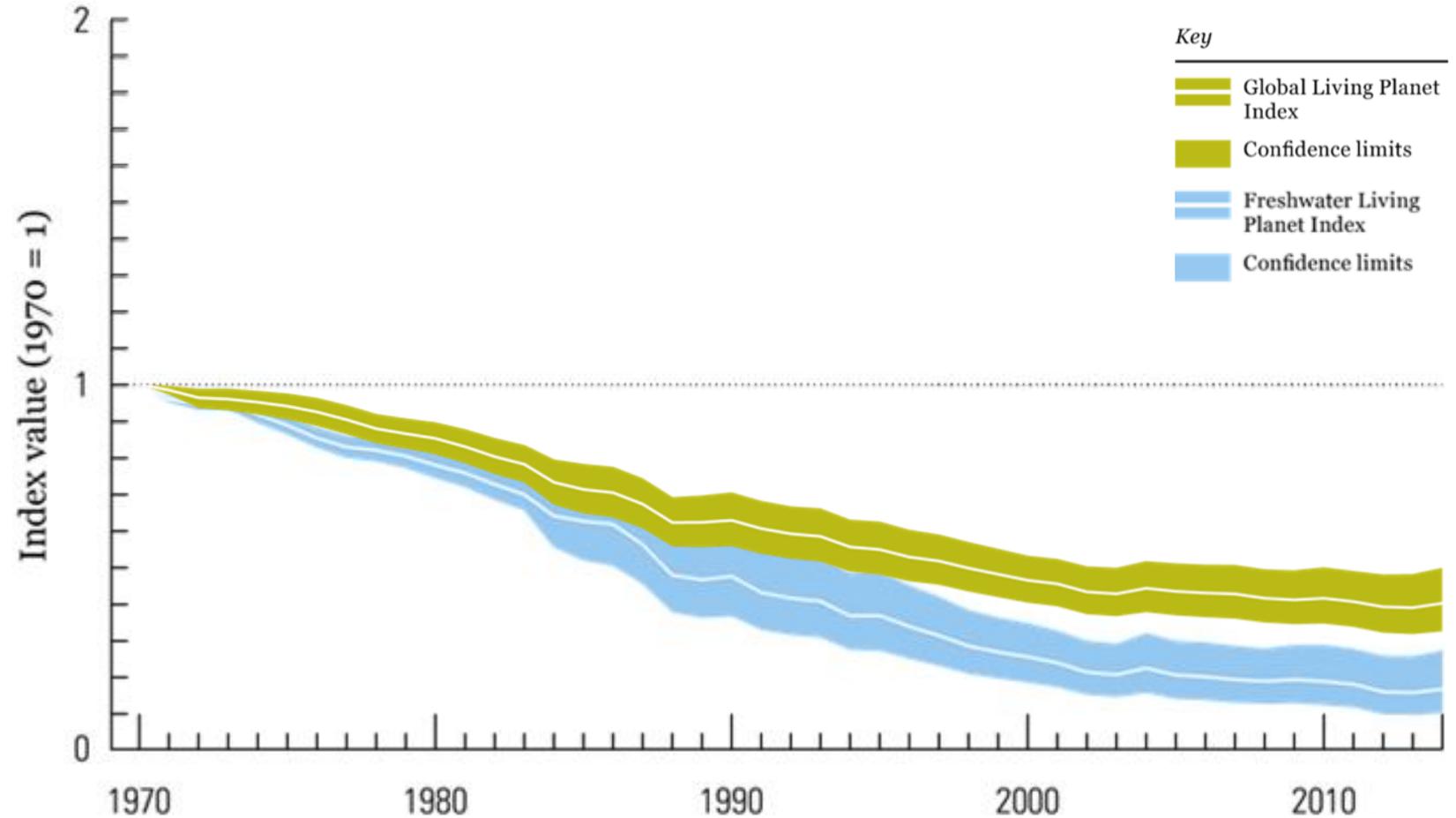
More than 1,000 Global Organizations Declare Support for the Task Force on Climate-related Financial Disclosures and its Recommendations

New York, February 12, 2020 – The Task Force on Climate-related Financial Disclosures (TCFD) announced today that it has officially reached more than 1,000 supporters globally for its recommendations, signifying a major shift among market participants in acknowledging that climate change presents a financial risk. Together, the private sector organizations that are supporters have a market capitalization of nearly \$12 trillion. The Task Force, which is chaired by Michael R. Bloomberg, provides recommendations to enable markets to address the financial impact of climate change by increasing transparency on climate-related risks and opportunities to promote more informed financial decision-making. By publicly declaring their support for the TCFD and its recommendations, the supporting organizations are demonstrating that they are taking action to build a more resilient financial system through climate-related disclosure.

“Reaching this important milestone for the TCFD shows that companies and global organizations are accepting that climate risk is financial risk. Today’s announcement also underscores the significant investor demand for information that will help them mitigate potential risks and evaluate opportunities in the transition to the low-carbon economy,” said **Mary Schapiro, Head of the TCFD Secretariat**. “This continued momentum and support from the public and private sectors is critical as we focus our efforts on implementation of the TCFD recommendations.”



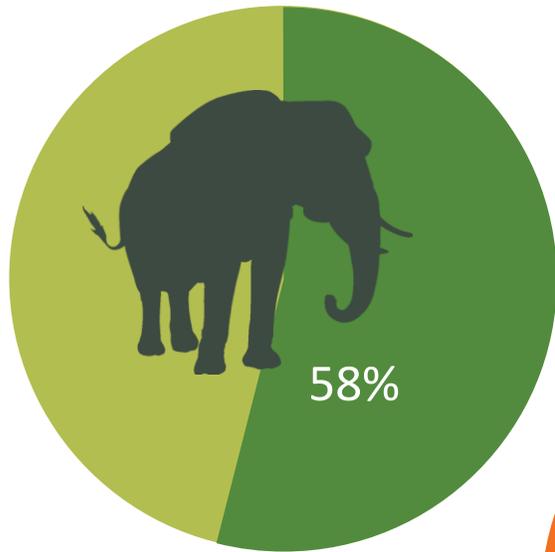
La naturaleza también está en declive



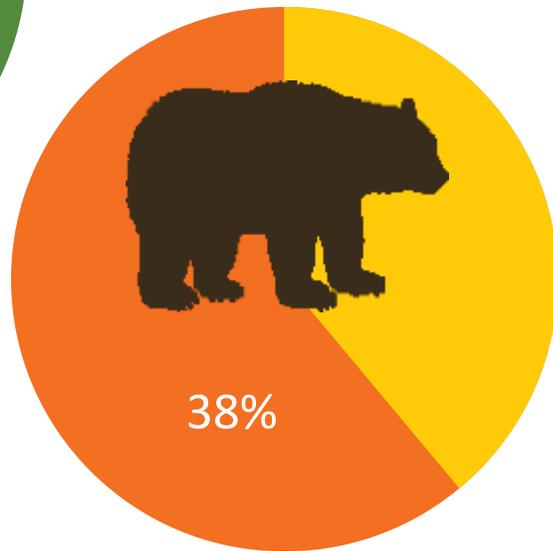
Source: WWF Living Planet Report 2018



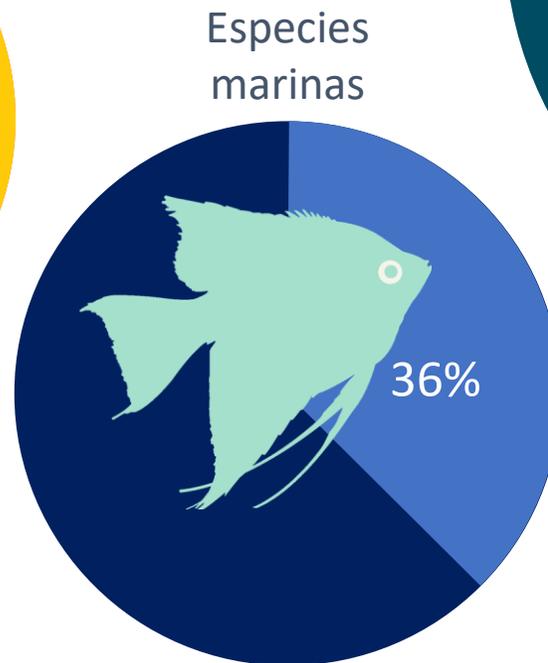
ESPECIES EN DECLIVE



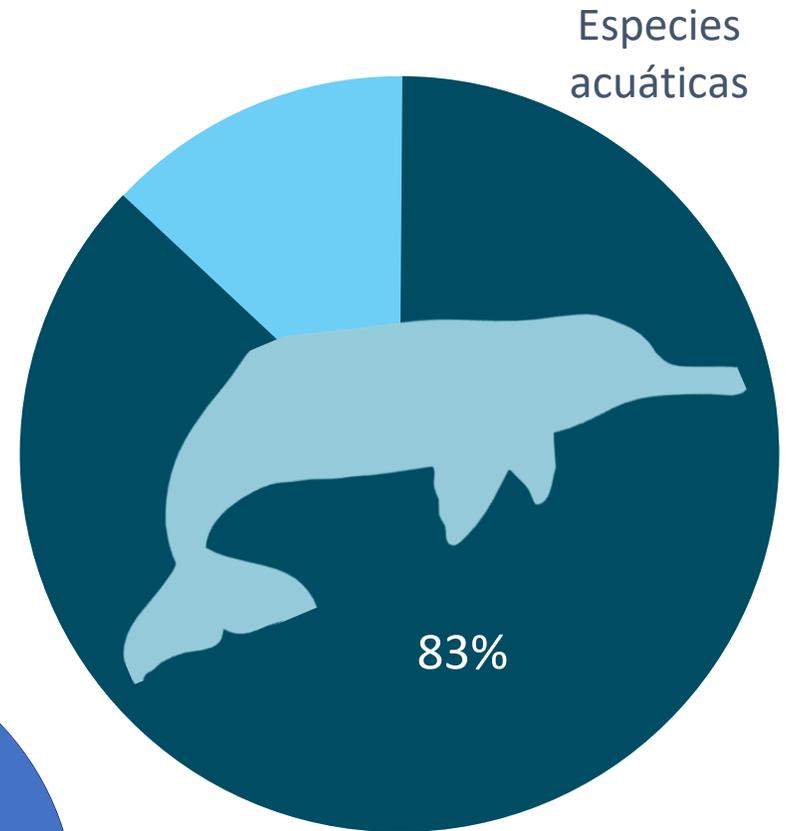
Especies vertebradas



Especies terrestres



Especies marinas



Especies acuáticas



La naturaleza tiene valor



Industria farmacéutica

Muchos medicamentos son derivados de plantas, animales, hongos o bacterias

70% de los tratamientos para tratar el cáncer son de origen natural

La naturaleza es una fuente importante de desarrollo de nuevos medicamentos



Industria forestal

Hay 13.2m de empleos en el sector forestal

Los bosques ofrecen protección contra avalanchas, regulación de incendios, regulación de ciclos hídricos y secuestro de carbono

Los bosques proveen servicios ecosistémicos culturales y recreativos

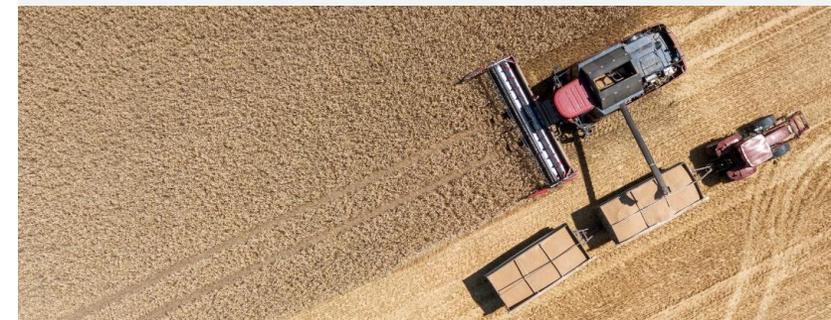


Agricultura

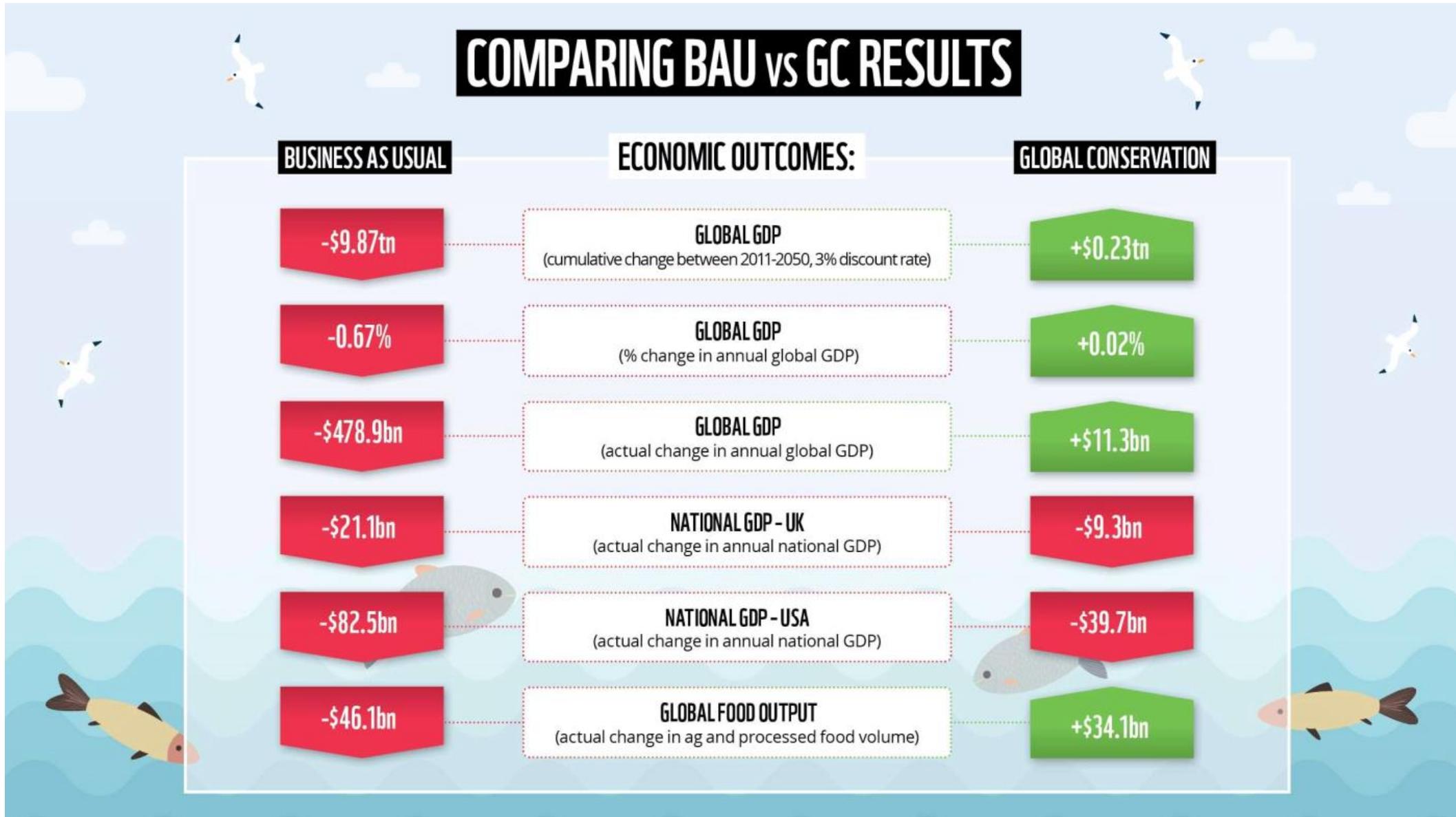
Las cadenas de valor agrícolas dependen de la disponibilidad de agua y del clima

El 70% de los 124 productos agrícolas más comunes dependen de insectos polinizadores

La biodiversidad genética facilita poder encontrar características genéticas específicas (ej. resistencia al calor extremo, a las heladas, etc.)

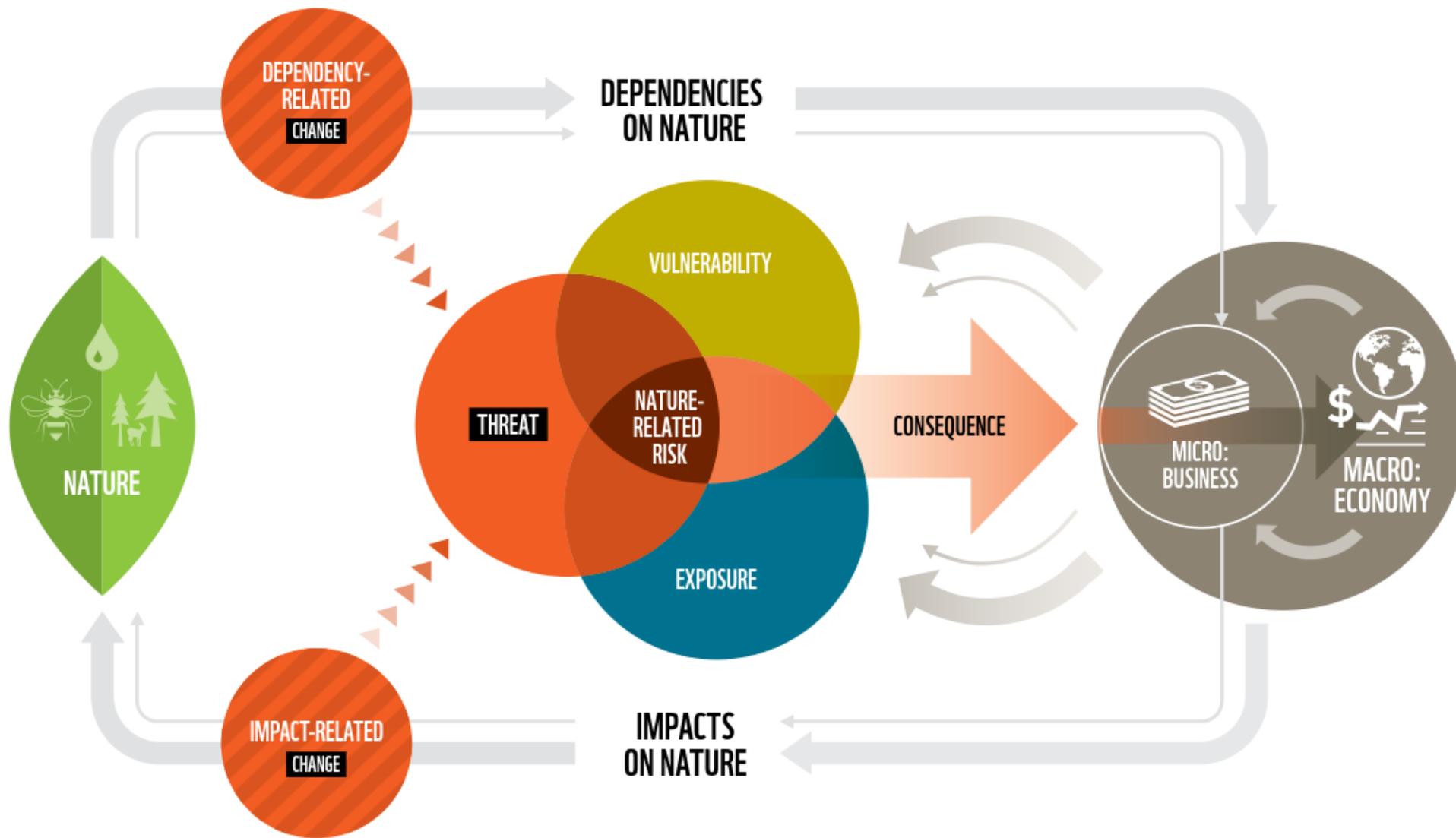


La degradación ambiental tiene costos





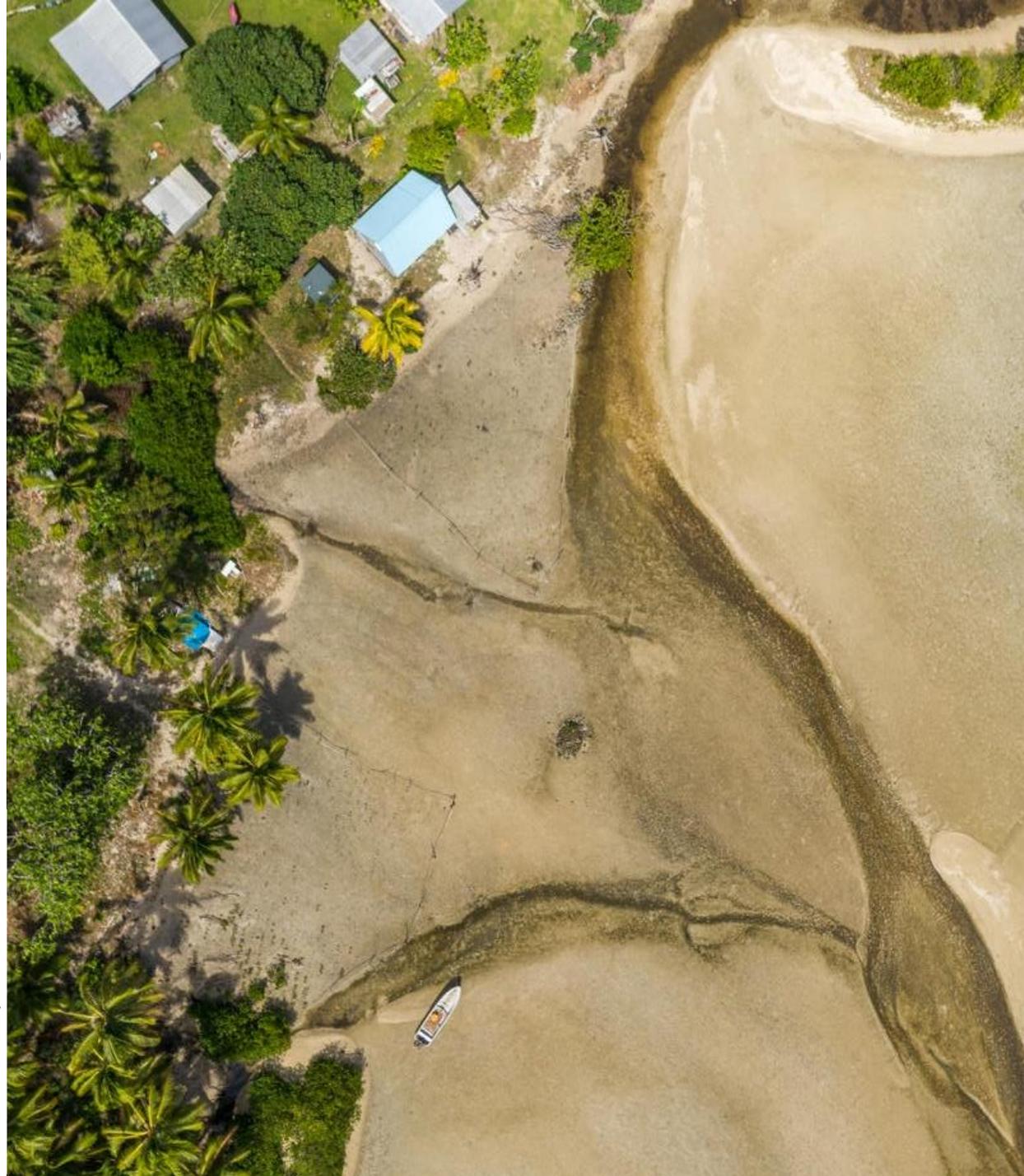
Sin naturaleza no hay negocios





La degradación ambiental es un riesgo financiero

- Costos de capital más elevados
- Pérdidas financieras
- Siniestros asegurados más costosos
- Primas de seguros más altas
- Mayores riesgos de incumplimiento
- Pérdida de valor por riesgos reputacionales
- Variaciones en el valor de mercado





El sector privado está poniéndose al día

The Nature of Risk
A Framework for Understanding Nature-Related Risk to Business

AXA Research Fund

Biodiversity at risk
Preserving the natural world for our future

AXA Research Guide Series

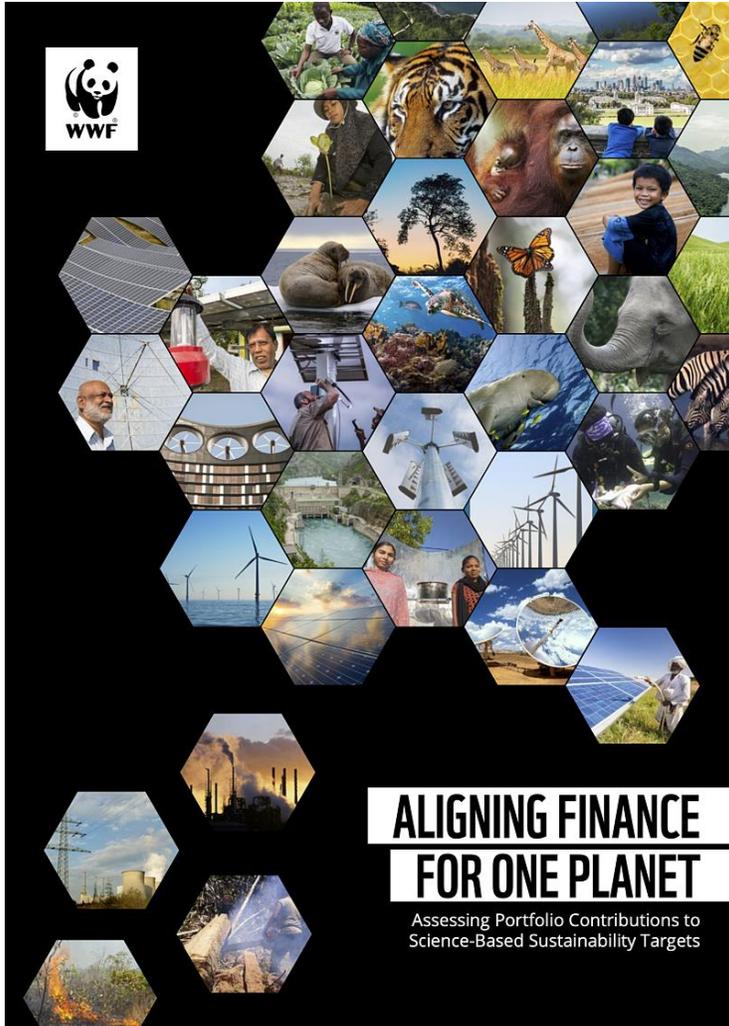
www.pwc.ch

Nature is too big to fail
Biodiversity: the next frontier in financial risk management

January 2020



Nuevas metodologías



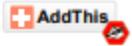


Hacia una mejor divulgación y manejo de riesgos ambientales

Environmental Finance

The case for a Task Force on Nature-related Financial Disclosures

22 July 2020



The finance sector has responded strongly to climate-related risks. Now it must do the same for nature-based risks, says **Lord Goldsmith**.

T N

Bringing Together a Task Force on Nature-related Financial Disclosures

A Task Force on Nature-related Financial Disclosures will create resilience in the global economy by redirecting flows of finance at scale towards nature-positive activities to allow nature and people to flourish.

global canopy UN DDP UNEP Finance Action WWF

F D

<https://tnfd.info>

FINANCIAL TIMES

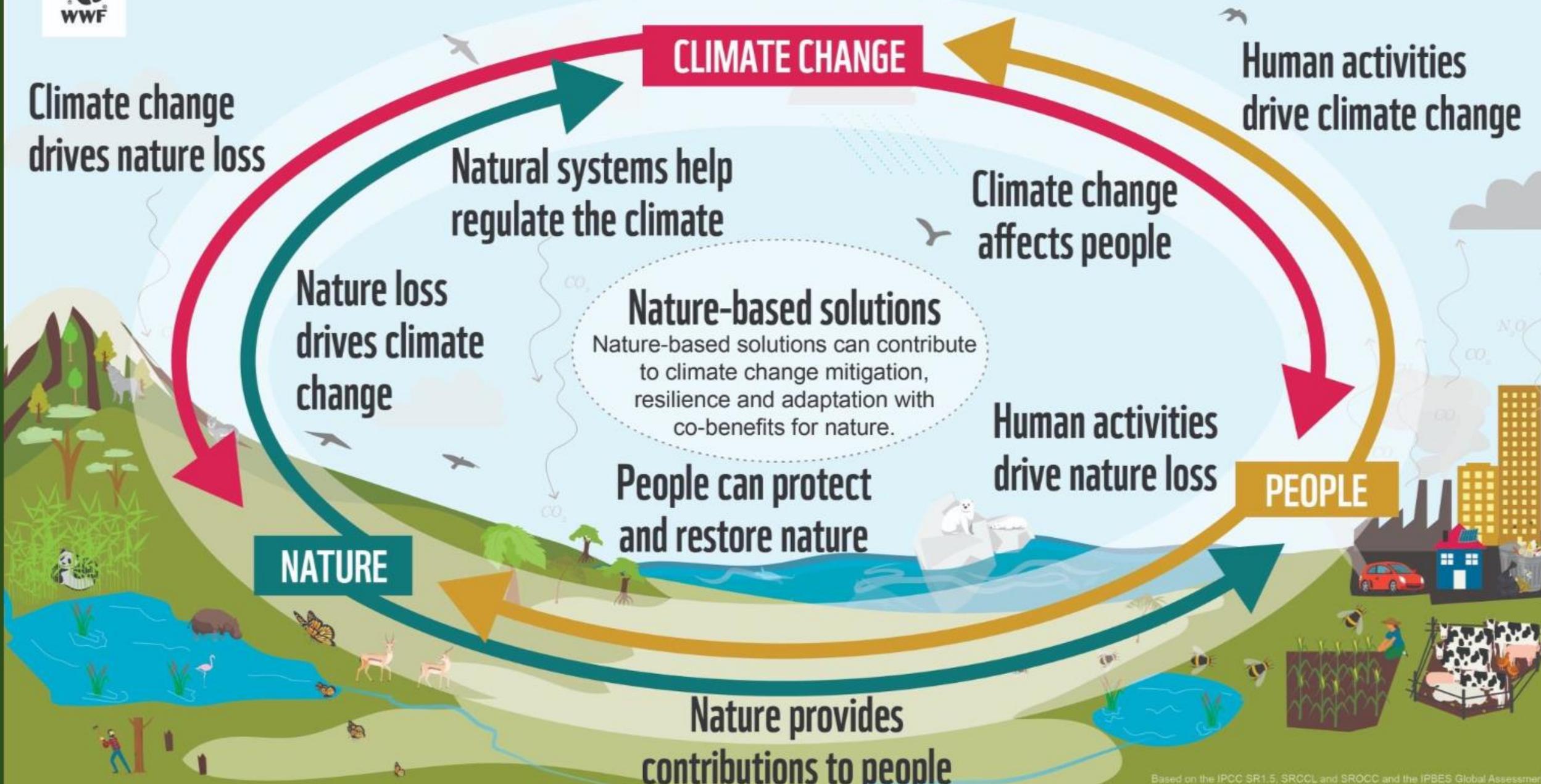


ESG investors wake up to biodiversity risk

Damage to ecosystems including forests and coral reefs forecast to have devastating effect on global economy



INTERACTIONS BETWEEN CLIMATE CHANGE, PEOPLE AND NATURE





¡Gracias!

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