

Build a climate-resilient business

Climate-related risks impact nearly every aspect of business operations. Using a tech-enabled approach, our team helps you identify, evaluate, and quantify risks and opportunities so you can boost business resilience and thrive in a low-carbon future.

Leverage our scenario analysis & planning services to:



QUANTIFY CLIMATE AND NATURE RISKS

Identify location-specific hotspots and quantify the financial impact of acute and chronic climate, nature, and water risks based on your operations.



INCREASE LONG-TERM RESILIENCE

Manage risks and optimize opportunities at the asset- to business-level under a wide range of potential climate scenarios.



COMPLY WITH REGULATIONS

Satisfy scenario planning and risk quantification requirements of the EU CSRD, US SEC, CA SB-261, and other emerging regulations.



ENABLE DECISION-MAKING

Give executives the information they need to mitigate near- to long-term risks and tap into the financial potential of the climate transition.

Our 4-phase approach

1

IDENTIFY

climate, nature, and water risks and opportunities and interview key stakeholders

2

COLLECT

robust operational and value chain data and design climate warming scenarios

3

PERFORM

scenario analyses, visualize results, and quantify impacts with tech-enabled tools

4


DEVELOP

a plan to mitigate risks, leverage opportunities, and comply with standards


Partner highlight: Climate Engine


Quantifying risks with robust geospatial data


Climate Engine's **SpatiaFi** tool uses geospatial data underlying the latest IPCC AR 6 Report to evaluate and quantify risks. Sample risks include:

 **Extreme events**
Wildfire detection
Extreme wind
Earthquake

 **Biodiversity**
Species abundance
IBAT Star
Protected areas

 **Climate**
Extreme heat
Hurricane
Sea level rise

 **Water**
Climate projections
Historical baseline
Forecasts

 **PLUS:**
Supplier, asset, and business hierarchy data from 250+ million business locations

Climate risk: By the numbers

\$38T

Estimated annual damages of climate change over the next two decades

1 in 5

Companies with a plan to adapt to the physical risks of climate change

55%



Global GDP exposed to material nature and water risks

Risk & opportunity identification: A closer look

Risk	Action	Hypothetical findings
WATER SCARCITY	Identify sourcing regions for cacao beans to identify near- and long-term drought risk	Over 50% of cacao is sourced from highly stressed watersheds
SEA LEVEL RISE	Quantify impact of flooding on coastal facilities under a 1.5°C, 3°C, and 4°C scenario	30% chance of experiencing over \$1B in damages by 2050
CONSUMER PREFERENCES	Analyze benefits of producing lower-carbon products in line with changing preferences	Shifting to bio-based materials could increase demand by 15%
POLICY AND LEGAL	Consider impact of increased price of carbon on operational viability	Business-as-usual GHG growth will decrease margins by 40%



Earth Finance helps organizations accelerate the transition to a lower-carbon, regenerative economy.

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