OS-Climate Physical Risk & Resilience Tool

Organization

OS-Climate

Partner organizations

BNPP, Red Hat, LSEG, Jupiter Intelligence, EY, World Resources Institute, Allianz, BNYM, Federated Hermes, Ortec Finance, Urgentem, S&P Global, Net-Zero Asset Owner Alliance, Microsoft, Amazon, Goldman Sachs, Polytechnique University, and the Climate Policy Initiativey

Summary

Assessing physical climate risk requires tooling which connects asset location data to climate hazard models and vulnerability curves. OS-Climate Physical Risk & Resilience Tool is gathering these inputs in one place to build physical risk tooling utilizing an overarching risk methodology based on insurance standards.

The OS-Climate open source development ecosystem fosters a strong collaboration between the research community and industry to accelerate model development, create a common language on the topic and direct models and data towards better risk measurement. A physical risk code package will be available through the OS-Climate Github along with a beta UI to help users get started. OS-Climate aim to incorporate resilience at the more regional and country level over time.

Climate Focus

Alignment	Impact	**Risk**

Resource Type

Data & Metrics	Pathways & Scenarios	**Assessment Tools**	Methodology	Target Setting Guidelines & Verification	Reporting Frameworks & Guidelines	Collaborative Initiatives

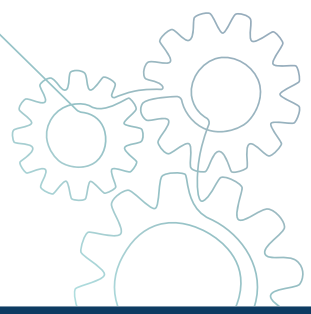
Intended Users

Banks	**Investors**	**Insurers**	**Central Banks**	**Regulators**

RMI

Center for Climate Aligned Finance

CLIMATE
AIR
TOOLBOX



OS-Climate Physical Risk & Resilience Tool

WHO	Any user interested in performing a physical risk assessment for portfolio assets
WHAT	The tool aims to collect and consolidate a wide variety of physical risk models into one platform to help users perform rigorous physical risk assessments
WHEN	• The tool can be used for risk management and strategy/investment decision-making • When performing ongoing research on climate models and assessing climate risk vulnerabilities, or for calibrating climate models and their assumptions
WHERE	All corporate and industrial related sectors, particularly those more susceptible to physical risks stemming from asset damage and disruption (e.g. power generation or real estate)
WHY	• The tool can support regulatory compliance on climate risk management • The tool can also help institutions understanding their physical risk exposures present within portfolios and can facilitate more informed engagement with counterparties
HOW	More information can be found on **OS Climate's website**, and the tool can be accessed via **OS Climate's GitHub page**

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