CLIMATE AIR TOOLBOX

OS-Climate Transition Analysis Tool

Organization
OS-Climate
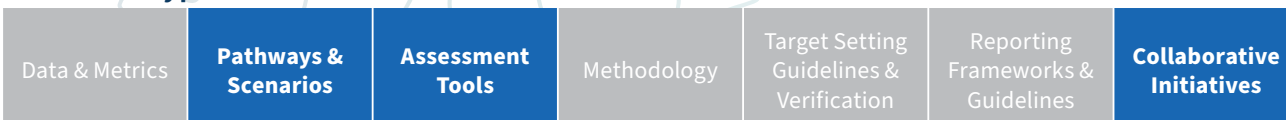
Partner organizations
Airbus, Red Hat

Summary

The Transition Analysis Tool is a tool designed by OS-Climate to structure and understand the forward-looking impact of climate-related risks and the energy transition on individual economic sectors using a system-of-systems approach. The tool allows users to leverage numerical simulation methods and tools to build a complete world transition model. It offers the possibility to plug in best-in-class models of various origins in order to evaluate climate transition strategies against a variety of energy, resource, climate, or economic factors. These factors combine various sources of expertise and best practices for climate strategies to identify the strengths, weaknesses, comprehensiveness, and gaps of climate investment strategies.
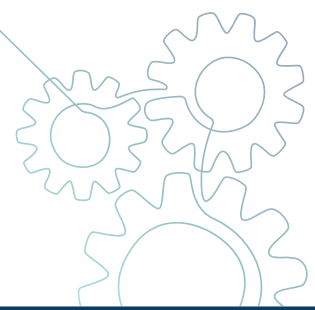
Climate Focus

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

Backward-looking   Current Snapshot   **Forward-looking**

RMI   Center for Climate Aligned Finance

OS-Climate Transition Analysis Tool

WHO	Any users interested in assessing the consequences of climate investment strategies
WHAT	• Optimize global investments versus global objectives (e.g., optimizing investments in energy production technology to maximize economic development while minimizing emissions under resource constraints) • Understand the value and impact of energy production technologies or resources • Model the global economy and energy system evolution using energy, resource, climate, and policy factors
WHEN	• When assessing mid- to long-term investment relevance versus the parameters of different climate pathways • To evaluate investments and strategies for transition risks
WHERE	This tool can be used to model any sector/region to evaluate its necessary evolution within the context of global transition scenarios
WHY	This model enables analysis that is open, transparent, and cooperative by allowing various experts to co-define assumptions and co-analyze results
HOW	More information can be found on **OS Climate's website**, and the tool can be accessed via **OS Climate's GitHub page**

RMI **Center for Climate Aligned Finance**