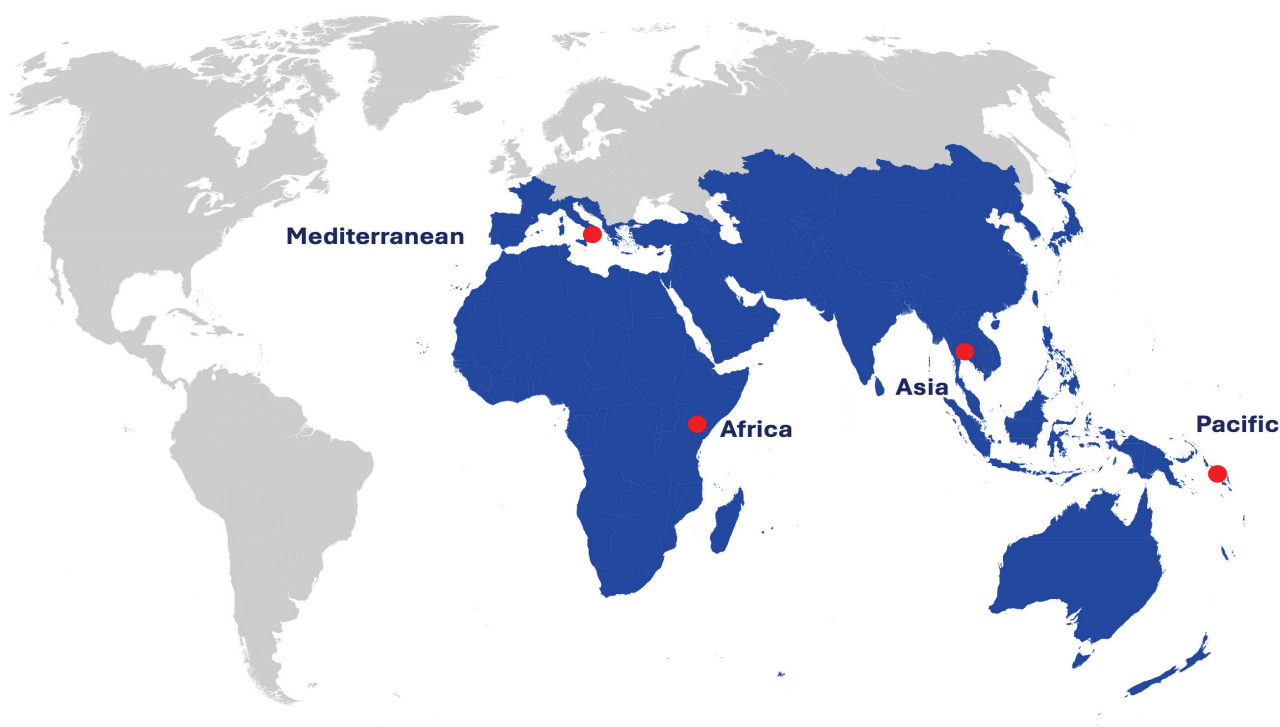


The Climate Mobility Innovation Lab

Advancing Solutions at Scale

IOM's Climate Mobility Innovation Labs (CMIL) across Asia-Pacific, Africa, and the Mediterranean serve as dynamic hubs for innovation, capacity strengthening, and collaboration. By prioritising scalable solutions and meaningful community engagement, CMIL empowers communities to adapt to the impacts of climate change and respond to the challenges of climate mobility. Globally, CMIL initiatives play a vital role in advancing evidence-based, community-led action for resilient and sustainable futures.



Key Statistics



In 2024, over **45.8 million** new displacements were recorded globally due to rapid-onset disasters, with nearly **97 per cent** associated with floods and storms.



By 2050, it is estimated that up to **216 million people** globally could be forced to migrate due to the slow-onset impacts of climate change.



By 2100, it is estimated that between **50 per cent** (in a low warming scenario) and **75 per cent** (in a high-warming scenario) of the human population may face life-threatening temperatures and humidity levels.



The total number of displaced people has **more than doubled in a decade, reaching 83.4 million people**. In the absence of durable solutions, new displacements continue to occur on top of protracted displacements.

Top Image: A small seed in hand, holding the promise of resilience and growth.. © IOM 2025 / Amanda Nero

Principles

- 1 **Cultivate and examine:** The Lab drives transformative change by co-designing high-impact, scalable solutions, developing new financing opportunities through partnerships, and focusing on rigorous testing, adaptability, and broad reach.
- 2 **Learn and share:** The Lab facilitates peer-to-peer technical exchange and knowledge sharing on climate change, human mobility, and well-being. It identifies leverage points for transformative change, promotes best practices, supports climate action advocacy, and foster policy engagement in the region.
- 3 **Lead, convene, and connect:** The Lab leads climate mobility and innovation programmes, fostering collaboration among diverse stakeholders and leveraging evidence-based practices and innovative tools. It connects regional and global stakeholders, seeking solidarity to address the needs of those impacted by climate change.

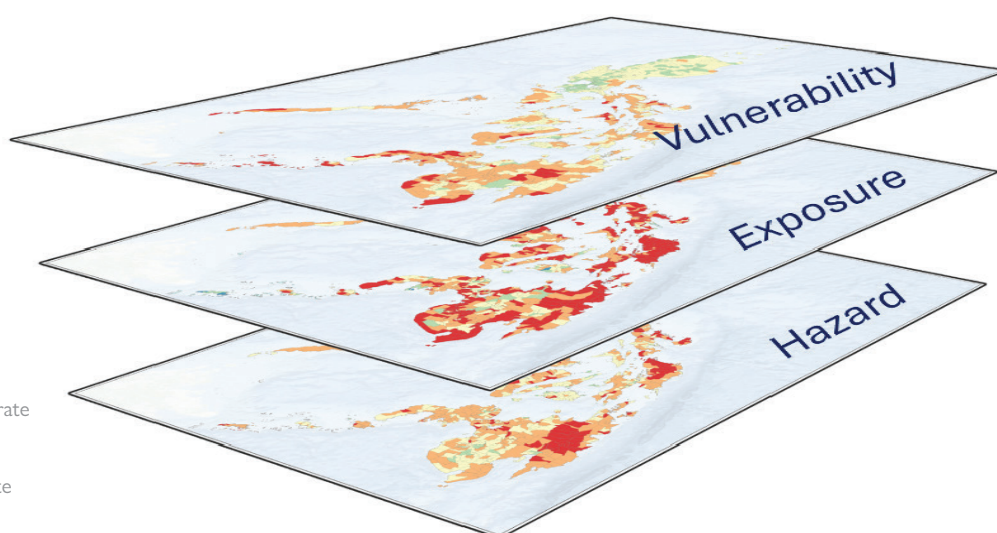


Figure 1. Macro level Hazard-Exposure-Vulnerability (HEV) risk maps overlaid to generate flood-related displacement risk scores in the Philippines. Example from CMIL's Risk Index for Climate Displacement (RICD).

Flagship Innovations

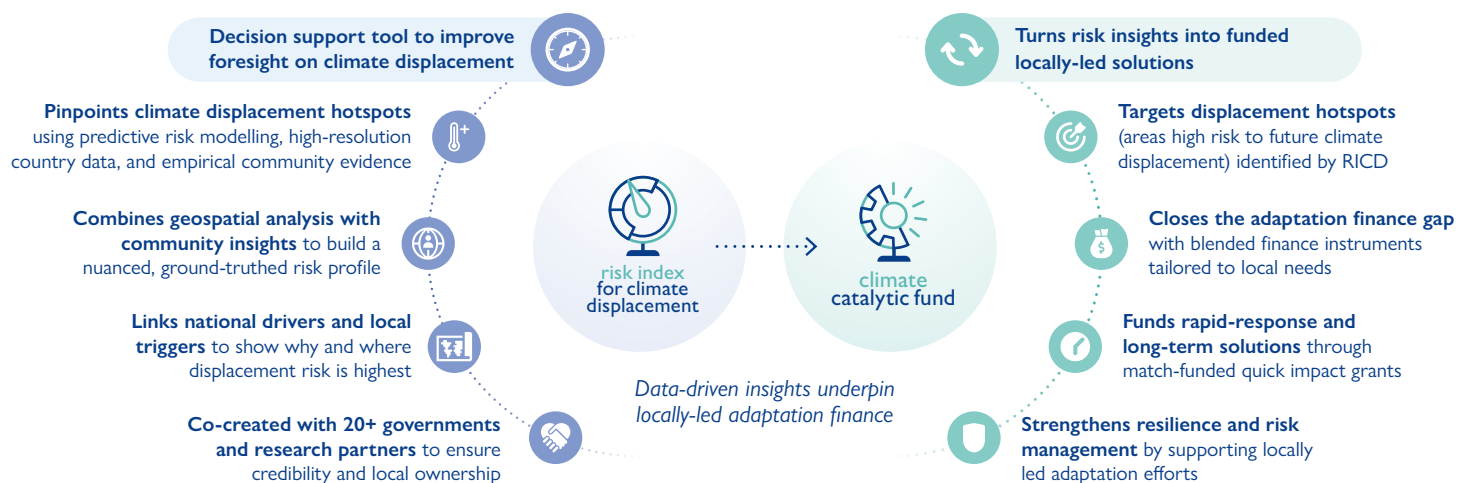
CMIL advances a portfolio of flagship innovations that aim to bridge the gap between risk data, financing, and locally led adaptation action. CMIL's key innovations include the Risk Index for Climate Displacement (RICD) and the Climate Catalytic Fund (CCF), which together translate risk analytics into practical solutions on the ground.

RICD is an operational foresight tool developed by CMIL in collaboration with a network of government, scientific, academic, and other partners through a co-creation approach to anticipate climate displacement and identify hotspots where displacement is most likely. The RICD also informs the design and prioritisation of interventions under the CCF by providing robust data and analysis to guide targeted adaptation financing.

CCF mobilises small, rapid, match-funded grants to translate data-driven risk insights from the RICD into concrete, locally led adaptation action in the most at-risk locations. Through its matching-fund modality, which leverages public funds to catalyse additional funding from local sources, the CCF helps address a persistent climate adaptation finance gap.

From Risk Analytics to Local Action: The Climate Mobility Pipeline

Filling the data-to-action gap



Nature-based Solutions (NbS) and Human Mobility

CMIL approaches NbS through a climate mobility lens, focusing on how NbS can strengthen resilience and reduce displacement risks for communities affected by climate change.

1 Conceptual and Operational Framework

Documents the links between climate change and human mobility and helps operationalise NbS as an approach to address different dimensions of the human mobility–environment nexus.

2 NbS Landscape Pipeline

A ten-country pipeline of promising NbS initiatives with an explicit climate mobility focus. It translates the conceptual and operational framework into practice by identifying and scaling landscape-level approaches.

3 Project-Level Analytics

Develops ex-ante metrics to estimate resilience gains and potential “avoided displacement”, using advanced modelling approaches, including NatCap methodologies.



Nature-based solutions, like mangrove ecosystems, help protect coastal communities and sustain local livelihoods in the Philippines.
© IOM 2021 / Andrea Empamano

Structure and Governance

GLOBAL STEERING COMMITTEE

- Monitor, impact, and review
- Advocate and support

IOM HQ

- Provide strategic vision and leadership
- Advocate and drive policy
- Ensure global technical support
- Monitoring, evaluation, and learning

REGIONAL INNOVATION COMMITTEES

- Provide technical expertise
- Support development of innovative solutions
- Provide strategic oversight at regional level

REGIONAL CMILs

- Co-create innovation
- Ensure communication and coordination with partners
- Facilitate exchange of best practices
- Link the Labs with activities of the Climate Change and Human Mobility Framework

COUNTRY OFFICES

- Manage operations, government engagement, and finance
- Provide context specific expertise
- Support the delivery of new initiatives
- Monitoring, evaluation, and compilation of best practices

IOM's Climate Offer

IOM's Climate Offer provides an integrated framework that supports Member States and communities in averting, minimising, and addressing climate-related mobility. Through policy and governance support, the Climate Mobility Innovation Labs (CMIL), and Climate Mobility Investment Plans, it delivers a practical package of solutions that connects evidence, innovation, financing, and operational delivery at scale. Delivered through IOM's global network of 171 country offices and led by the Climate Action Division, the Climate Offer translates policy commitments into concrete action on the ground. Together, these components form an end-to-end approach that translates policy into sustainable action at scale to climate mobility.

Global Steering Committee



MS AMY POPE

Director General

International Organization for Migration



MS UGOCHI DANIELS

Deputy Director General

International Organization for Migration



MS RANIA SHARSHR

Director of Climate Action

International Organization for Migration



DR ADIL NAJAM

Dean Emeritus

Frederick S. Pardee School of Global Studies, Boston University



MS AINURA SAGYN

CEO

Tazar [Become Greener]



DR CARLO BUONTEMPO

Director

Copernicus Climate Change Service, European Centre for Medium-Range Weather Forecasts



PROF CHRISTINE LOH

Chief Development Strategist

The Hong Kong University of Science and Technology



DR EDWARD W. MAIBACH

Director

Mason's Center for Climate Change Communication (Mason 4C)



DR MAHMOD MOHIELDIN

UN Special Envoy on Financing 2030 Agenda

International Monetary Fund



MR SALEM MASSALHA

Co-founder

Clickfunding

The CMIL Steering Committee is supported by Denmark, Italy, the Philippines, and Uganda.