

GEF SUPPORT TO TECHNOLOGY DEVELOPMENT AND TRANSFER

TEC 32nd Meeting



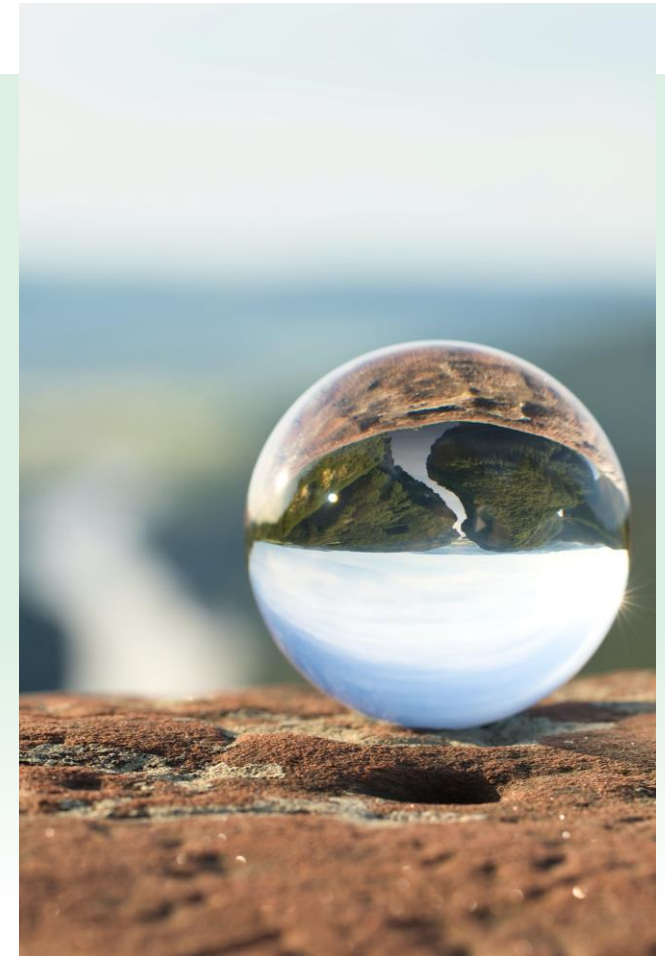
global
environment
facility
INVESTING IN OUR PLANET

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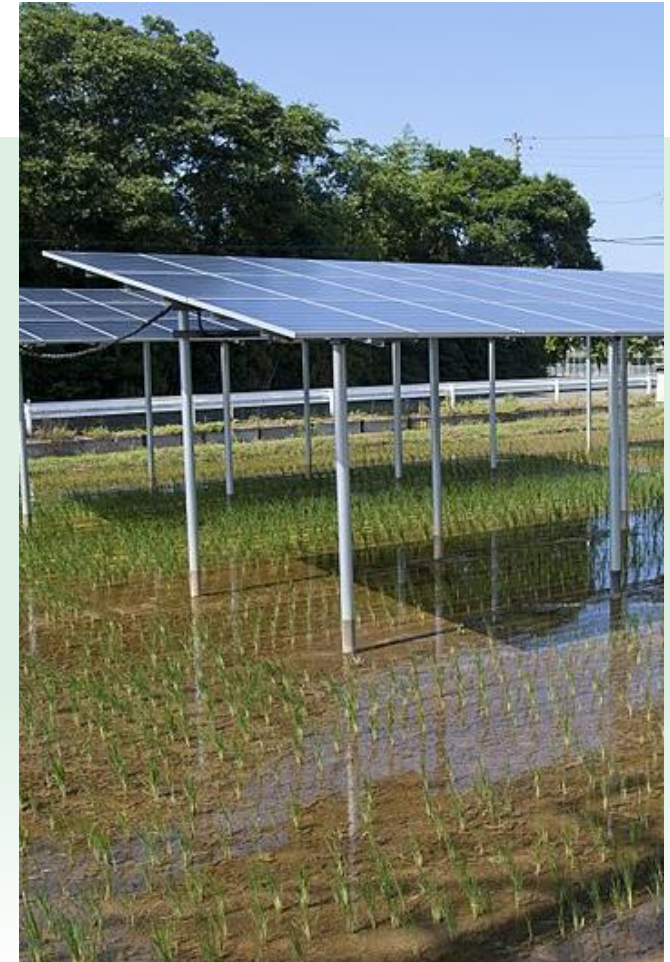
GEF Support to Climate Technologies

- Cross-cutting priority to the GEF Family of Funds since its **establishment**.
- More than **US\$ 4,000 million** resources channeled to climate technologies since GEF's inception.



Support to Climate Technologies under GEF-8 Family of Funds

- Technology transfer continue to be at the **core of the programming directions**.
- Dedicated programming objectives under both climate change mitigation and adaptation.
- Projects continue to be **country driven** and required to demonstrate alignment to national priorities, including in national climate strategies and plans.



Climate Change Mitigation

Objective:

Support developing countries to make transformational shifts towards net-zero GHG emissions and climate-resilient development pathways.

Pillars:

1. Promote innovation, **technology development and transfer**, and enabling policies for mitigation options with systemic impacts
2. Foster enabling conditions to mainstream mitigation concerns into sustainable development strategies



Energy & Materials Efficiency



Decarbonized power systems



Zero-emission Mobility Scale-up



Nature-based Solutions

Recent GEF-8 Support to CCM Technologies

- **China's Green Shipping Transition Model and Demonstration.** GEF financing: \$12.5 million; Co-financing: \$158 million
- **Transforming China's Cooling Sector for Low-Carbon Development.** GEF financing: \$12million; Co-financing: \$135 million.
- **Global Programme to Support Countries to Upscale Integrated Electric Mobility Systems – Addendum (Madagascar).**
- **Accelerating Cuban low-carbon and circular solutions for micro- , small and medium-sized enterprises.** GEF financing: \$2million; Co-financing: \$9 million
- **Tuvalu Rural Electrification Fund (TREF).** GEF financing: \$4million; Co-financing: \$20 million.
- **Global decarbonization investment accelerator for the hard to abate sectors.** GEF financing: \$3million; Co-financing: \$12 million.
- **Demand-driven digital smart grids.** GEF financing: \$3 million; Co-financing: \$5 million.
- **Just Energy Transition in Hard-to-Abate Sectors: Cement, Residential Cooking, and Thermal Energy Uses in Uruguay.** GEF financing: \$1 million; Co-financing: \$12 million.
- **Global Program on Renewable Energy Systems in SIDS: Barbados, St. Kitts, Saint Lucia, PNG, Palau and Antigua & Barbuda.**

Climate Change Adaptation

**Technology transfer
is a priority of both
the LDCF and SCCF
for 2022-2026**

LDCF PRIORITY AREA 2

Strengthening innovation and private sector engagement

- *Technology transfer and innovation*
- *MSME incubation and acceleration*
- *Inclusive microfinance*
- *Risk sharing to catalyze private investment*
- *Enabling private sector action*



SCCF PRIORITY AREA 2

Strengthening innovation, technology transfer and private sector engagement

- *Technology transfer, deployment and innovation*
- *Blending and de-risking to catalyze private investment*
- *Microfinance for climate resilient transitions*
- *Insurance for climate risks*
- *Regional/global projects*



LDCF & SCCF Support to CCA Technologies

Since the approval of the GEF-8 LDCF/SCCF Strategy (2022-2026), 15 projects have been approved totaling **\$718.1 million, and leveraging \$2.73 billion in co-financing** in LDCs and SIDS in the following areas:

- Climate information services and early warning systems.
- Climate resilient agriculture value chain- improved farm management techniques, efficient irrigation, water harvesting solutions, climate tolerant varieties, access to market information, data application, etc.
- Fintech solutions for climate adaptation and resilience.
- Support to adaptation MSMEs in developing innovative adaptation solutions in agriculture, water, ecotourism, fisheries, climate services and others.
- Private sector-led strategic innovative projects through Challenge Program for Adaptation Innovation.
- CSOs and community-led innovative adaptation technology solutions through the Inclusive Assembly Challenge Program.

Other Support (I)

The GEF continues to explore opportunities for further collaboration in support of technology development and transfer with the TEC and CTCN, as consistent with national priorities and based on country demand.


- For instance, NDEs are invited to participate in GEF National Dialogues
- In addition, the CTCN is a member of the Steering Committee for some TNA projects.

GEF Report to COP30

GEF Report to UNFCCC COP30



Date: August 4, 2025

Downloads 

 [GEF Report to UNFCCC COP30: July 2024 - June 2025](#)

<https://www.thegef.org/documents/gef-report-unfccc-cop30>

Looking ahead: GEF-9

GEF-9 & LDCF/SCCF Programming Strategies on Climate Change Mitigation and Adaptation

- Includes deepened support for Climate Mitigation and Adaptation technologies.
- Subject to Council Approval in June 2026.
- GEF-9 start date July 2026.

❑ **Draft GEF-9 Programming Directions:** <https://www.thegef.org/council-meeting-documents/gef-r-09-18>

❑ **Draft LDCF/SCCF Programming Directions:** <https://www.thegef.org/council-meeting-documents/gef-ldcf-sccf-02-sm4-01>

THANK YOU!

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