

GEF SUPPORT TO TECHNOLOGY DEVELOPMENT AND TRANSFER

TEC 30th Meeting



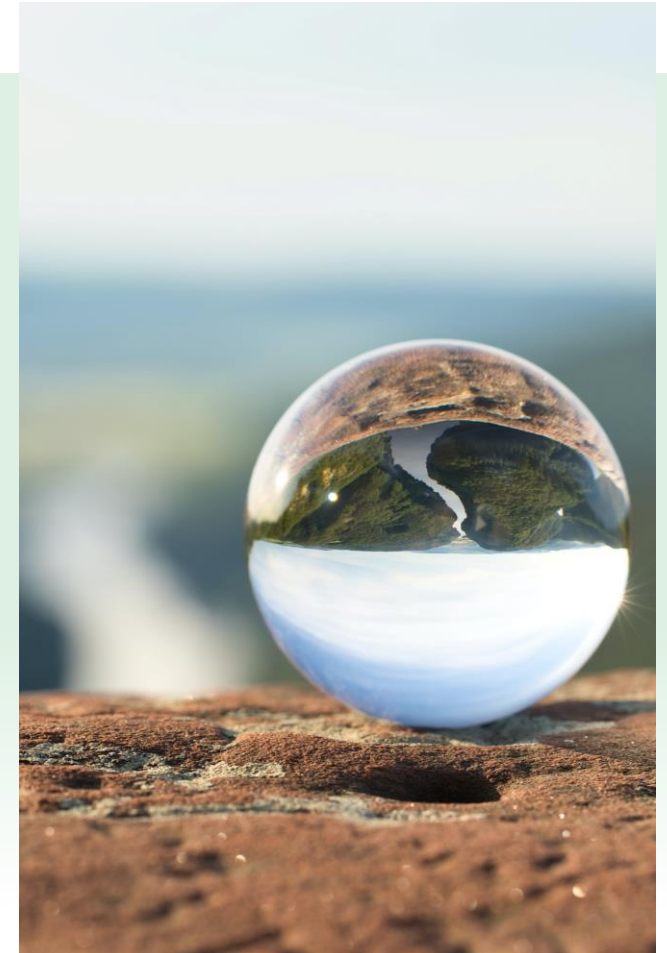
global
environment
facility
INVESTING IN OUR PLANET

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Support to Climate Technologies

- Cross-cutting priority to the GEF 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

- 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



The GEF-8 Climate Change Mitigation Strategy

Objective 1:

Promote innovation, technology development and transfer, and enabling policies for mitigation options with systemic impacts.



Energy & Materials Efficiency



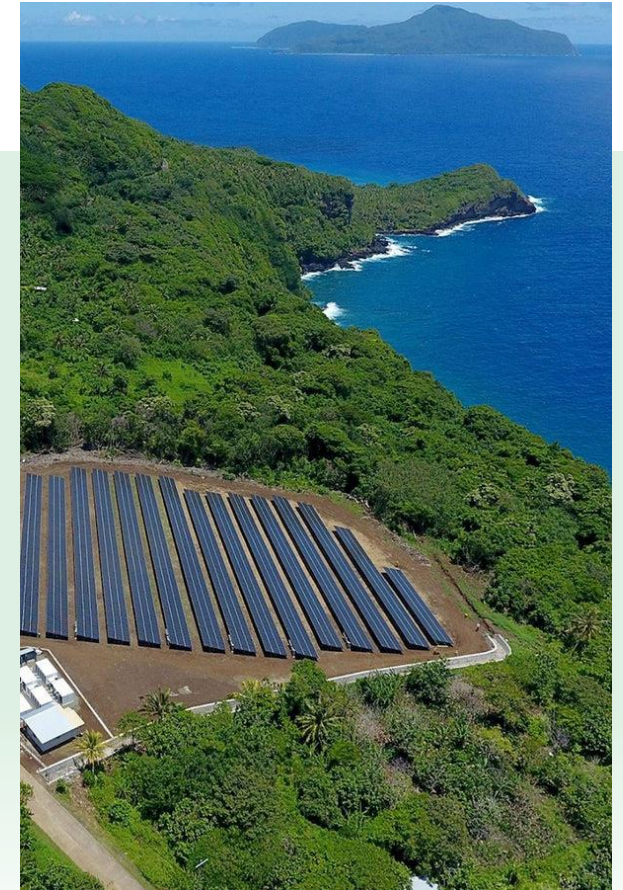
Decarbonized power systems



Zero-emission Mobility Scale-up



Nature-based Solutions



Recent GEF-8 Support to CCM Technologies

In the December 2024 Work Program, 2 regional programs, 1 projects and 1 project addendum were approved with **\$55 million in GEF funding**, and \$1 billion in co-financing.

➤ The main technology elements of these projects are:

- Green hydrogen technologies
- Electric mobility systems
- Distributed renewable energy
- Energy efficiency

Recent GEF-8 Support to CCM Technologies

- **India: Accelerating sustainable energy transition for decarbonization of micro, small and medium manufacturing enterprises.** GEF financing: \$9,8 million; Co-financing: \$71,2 million
- **Global: Clean Hydrogen Programme – Addendum.** GEF financing: \$15 million; Co-financing: \$168 million. # of countries: 9.
- **Africa: Green Mobility Financing Facility – Non-Grant Instrument.** GEF financing: \$15 million; Co-financing: \$547 million. The project aims to transform urban mobility in six initial countries to test and expand to the African continent by promoting green mobility solutions for public transport.
- **ECA: Sustainable and Inclusive Green Acceleration (SAIGA) - Non-Grant Instrument.** GEF financing: \$15 million; Co-financing: \$254 million. The Programme seeks to bridge the gap in financial access for private sector companies, particularly micro, small, and medium enterprises (MSMEs) in Kyrgyz Republic, Tajikistan, Türkiye and Uzbekistan.

Climate Change Adaptation

**Technology transfer
continues to be 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 and SCCF Strategy (2022-2026), 15 projects have been approved totaling **\$177.7 million, and leveraging \$857.9 million 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.

Climate Information & Early Warning Systems

105

PROJECTS,
*includes CIEWS
with focus on
LDCs and SIDS*



\$690
million

- ✓ This is nearly 31% of the total adaptation project portfolio funding on average.
- ✓ During the current GEF-8 funding period (2022 to 2026), CIEWS is a priority theme for LDCF and SCCF programming.
- ✓ More attention needs to be placed on community-level risk awareness and capacity building linked to appropriate responses;
- ✓ Despite advancements made in the development of relevant infrastructure and innovative solutions, the “last mile” challenge persists, and the private sector involvement remains constrained in the early warnings value chain;
- ✓ There are significant wins in improving effectiveness of CIEWS by integrating hazards, vulnerabilities, and risk reduction measures into existing systems, harnessing technologies and enhancing institutional effectiveness, operational efficiency, and public preparedness.

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.

Other Support (II)

➤ **GEF Innovation Window**

In May 2024 the GEF launched an Innovation Window with \$12 million of GEF financing that will prioritize activities that both directly and indirectly support and enhance the impact of GEF investments, considering the urgency to raise ambition and to influence transformative change in line with the multilateral environmental agreements for which GEF serves as a financial mechanism.


Specific consideration was given to five areas of innovation, including technological innovation, for example, through new products and processes and through significant technical changes in existing products and processes.


GEF Report to COP29

GEF Report to UNFCCC COP29



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Downloads 

 English

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THANK YOU!

