

GEF Support to Climate Technology Development and Transfer

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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



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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



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Recent GEF-8 Support to CCM Technologies

➤ Green Hydrogen

- Global Green Hydrogen Program –8 countries (Algeria, Egypt, Malaysia, Namibia, Nigeria, Philippines, South Africa, Ecuador) ~ US\$ 15 million
- Green hydrogen energy in China

➤ Energy resilience and security: Antigua and Barbuda and Argentina

➤ Zero-emission buildings and circular construction: Brazil and Chile

➤ Energy efficiency and supply chain decarbonization through the GEF private sector window.



Climate Change Adaptation

- Support to technology transfer is a priority of both the LDCF and SCCF
 - Technology transfer along with innovation and private sector engagement is a priority under the GEF-8 LDCF SCCF programming strategy
 - LDCF supports technology transfer under the GEF-8 strategy as a dedicated focal area element.
 - SCCF, given its mandate for technology transfer, supports this through a dedicated Window B.
 - SCCF Window A focuses on addressing vulnerabilities of SIDS and supports technology transfer for enhancing adaptation.



LDCF & SCCF Support to CCA Technologies

Several countries have accessed LDCF and SCCF for technology transfer 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 Inclusive Assembly Challenge Program.

Since the approval of the GEF 8 LDCF and SCCF strategy (2022-2026), **29 CCA projects** have been approved totaling **\$250.3 million**, and leveraging **\$1.3 billion in co-financing** in **27 countries (22 LDCs and 5 SIDS)**.



Other Support

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, over the last year NDEs of Benin, Malaysia, Nicaragua, Togo and United Republic of Tanzania participated in the GEF National Dialogues in their respective countries.



Thank you!

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