GEF SUPPORT TO TECHNOLOGY DEVELOPMENT AND TRANSFER

CTCN AB 28th Meeting

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GEF Support to Climate Technologies

A CROSS-CUTTING PRIORITY

Cross-cutting priority to the GEF Family of Funds since its **establishment.**

MORE THAN

US$ 4 billion

resources channeled to climate technologies since GEF's inception.

New Programming Strategies

MITIGATION

GEF-9 Programming Strategy on Climate Change Mitigation

https://www.thegef.org/sites/default/files/documents/2026-07/EN_GEF.C71.02.Rev_.03_%20Draft%20Summary%20of%20Negotiations%20of%20the%20Ninth%20Replenishment%20of%20the%20GEF%20Trust%20Fund_0.pdf

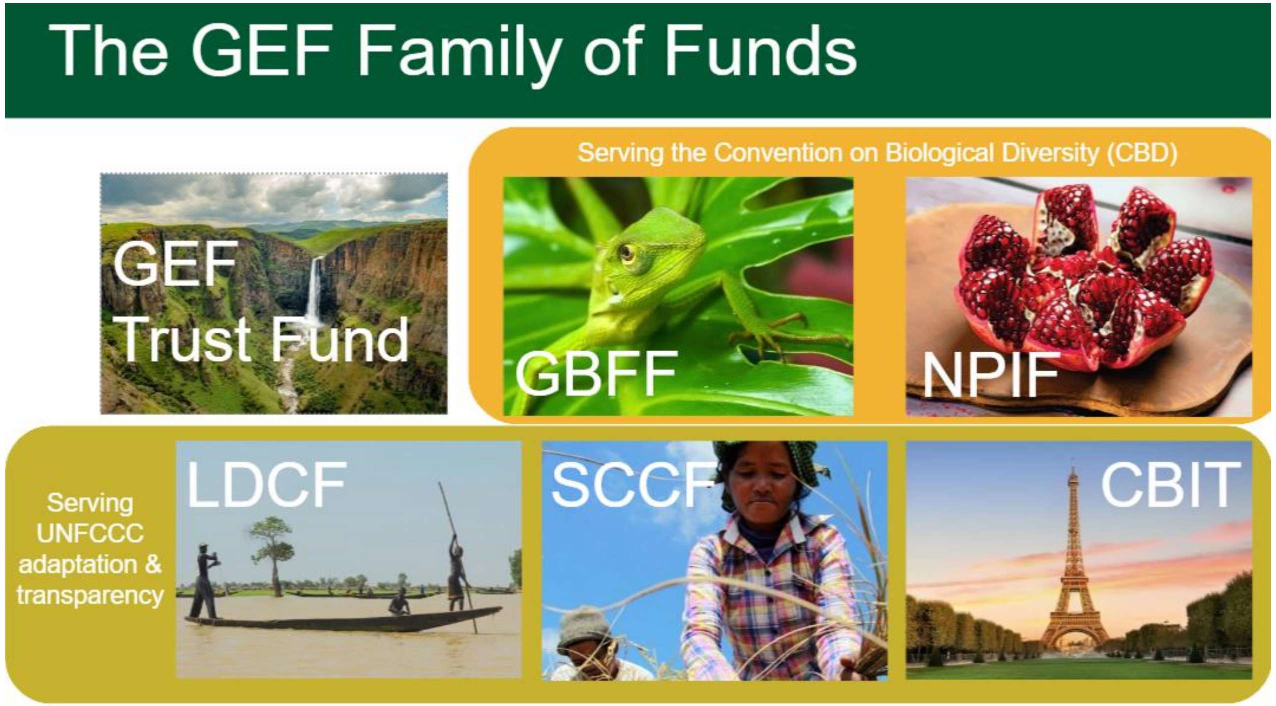
ADAPTATION

LDCF/SCCF Programming Strategy on Climate Change Adaptation

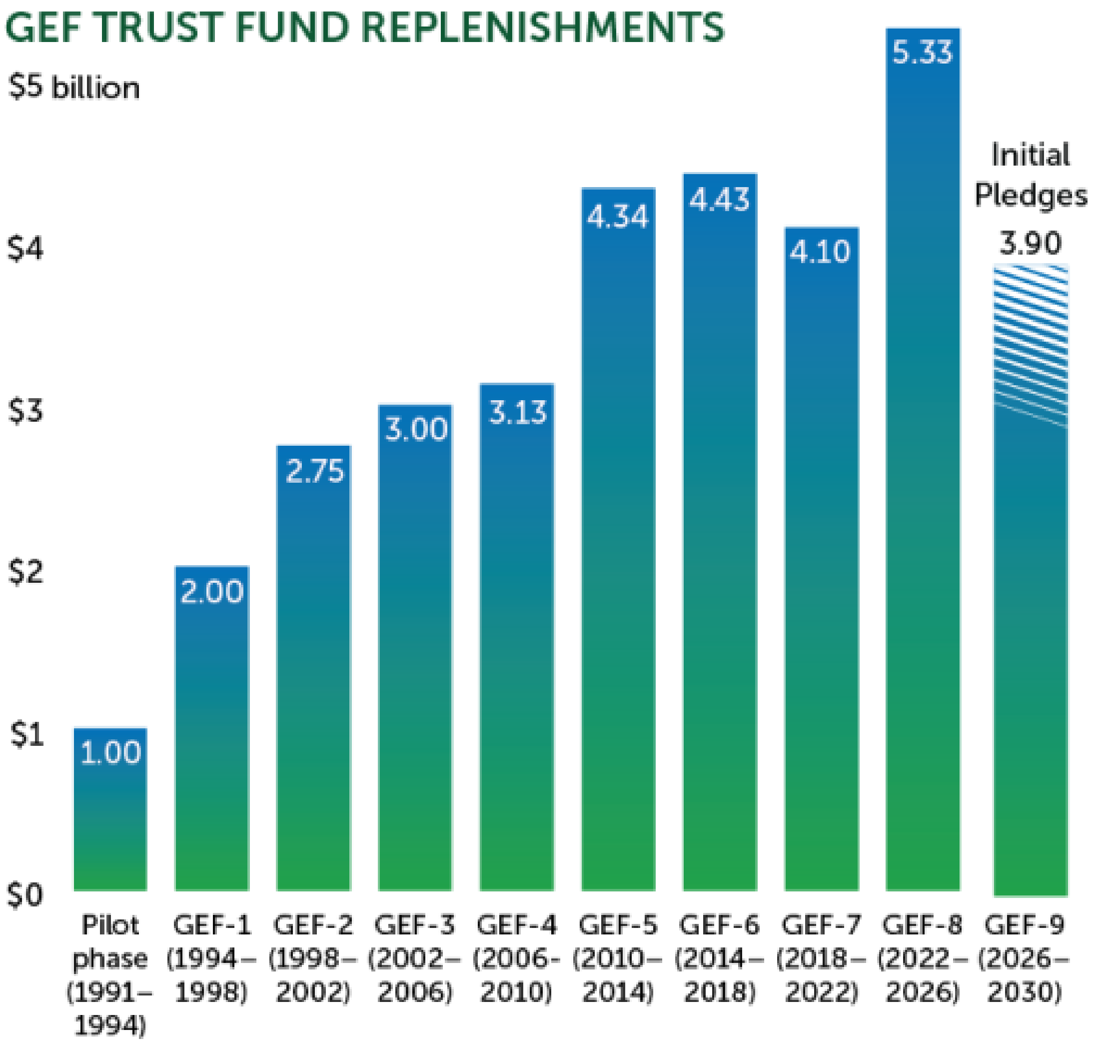
https://www.thegef.org/sites/default/files/documents/2026-05/EN_GEF.LDCF_.SCCF_.40.02_GEF-9%20LDCF-SCCF%20Programming%20StrategyV2.pdf

Support to Climate Technologies under GEF-9 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.



GEF Trust Fund Replenishment



$3.9 B initial pledges (June 2026)

Additional funding expected in years 1-2 of GEF-9 cycle

*GEF-9 STAR allocations may increase annually if the GEF receives additional funding

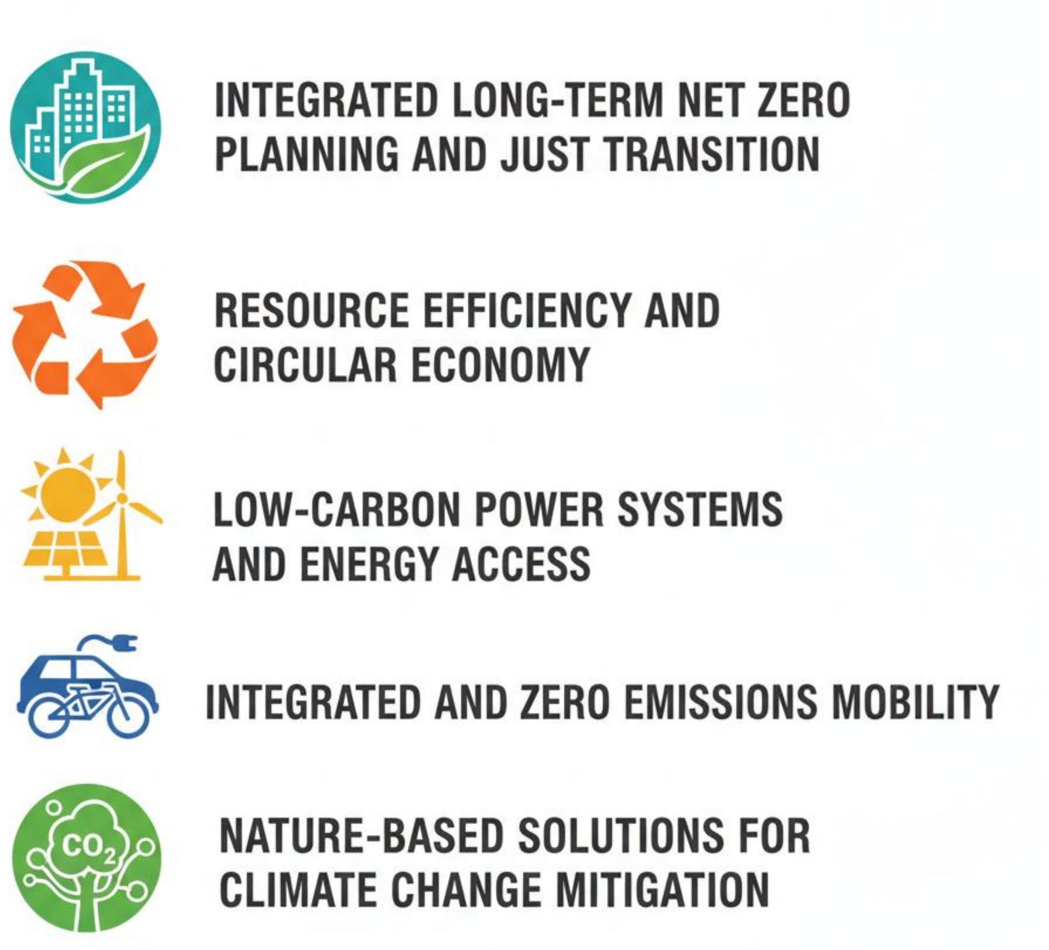
Climate Change Mitigation

Goal

Accelerate decarbonization efforts and drive transformational shifts toward net-zero GHG emissions and climate-resilient development pathways

Targets

1,200 $MtCO_2e$
GHG emissions reduced
Directly: **1,000 $MtCO_2e$**
Indirectly: **200 $MtCO_2e$**



Recent GEF-8 Support to CCM Technologies

Uzbekistan Risk Mitigation Facility (GEFID 11994)
Agency: World Bank; GEF Project Financing: $12,752,907; Co-financing: $152,000,000. Blended Finance Operation.

Nature for Cooling Challenge (GEFID 11960)
Agency: UNEP; GEF Project Financing $3,000,000; Co-financing: $30,760,000.

Global Decarbonization Investment Accelerator For The Hard To Abate Sectors (GEFID 12132)
Agency: UNIDO; GEF Project Financing: $3,000,000; Co-financing: $12,050,000.

Enabling Pathways for Long-term Low Emission Development Strategies for the Built Environment in India (GEFID 11986)
Agency: UNDP; GEF Project Financing: $4,982,110; Co-financing: $25,050,000.

Implementation Of Sustainable Transport Solutions In Togo (GEFID 11577)
Agency: BOAD; GEF Project Financing $9,321,280 (GEF Trust Fund: $ 3,866,904; LDCF: $5,454,376); Co-financing: $56,000,000.

Power System Modernization For Clean Energy Integration In Nauru (GEFID 12263)
Agency: UNDP; GEF Project Financing: $1,776,485; Co-financing: 7,105,940.

Demand-driven Digital Smart Grids (GEFID 12100)
Agency: UNDP; GEF Project Financing: $2,185,100; Co-financing: $18,020,000.

Climate Change Adaptation

Technology Transfer priority of LDCF and SCCF Strategy 2026-2030

1 **SCCF-B Dedicated Incubator**

SCCF-B acts as a dedicated incubator for adaptation technologies and innovative approaches

2 **Challenge Program for Adaptation Innovation**

Financing pilots in AI, digital tools, climate insurance and accessible microfinance

3 **Demonstration to Scale**

Successful models are designed to attract larger public and private investment

4 **Non-grant Instruments**

Concessional loans, guarantees and equity reduce investment risk and speed market uptake

5 **Strategic Partnerships**

Development banks, research organizations and private firms bring expertise and replication pathways

Recent GEF-8 Support to CCA Technologies

Technology transfer was 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*

Recent GEF-8 Support to CCA Technologies

During **GEF-8 LDCF/SCCF Strategy (2022-2026)** period, 46 projects have been approved totaling **$320.47 million**, and leveraging **$1.46 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.

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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, 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 UNFCCC COP31

GEF Report to UNFCCC COP31

Date: August 11, 2026

Downloads

2026 GEF Report to UNFCCC COP31: July 2025 to June 2026

https://www.thegef.org/documents/gef-report-unfccc-cop31

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Looking ahead: GEF-9

Blended Finance

Blended Finance will play a large role in GEF-9 with a Trust Fund target of 25% and a 1:3 incentive for country STAR programming

Integrated Programs

Eight **Integrated Programs** will be funded in GEF-9; IPs will also offer a 1:3 incentives for country STAR programing

Targeted Funding Windows

SIDS/LDC programming, IPLC programming, IFI programming all have notional target funding levels for GEF-9

Programming Targets

Aspirational Targets for **MCF Programming (10%)** and **IPLC Programming (20%)** have been introduced for LDCF and SCCF for GEF-9

THANK YOU!

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September 2026