



# Green Climate Fund

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the CTCN Advisory Board

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# Mandate

## *Governing Instrument*

- “The Board shall also **ensure adequate resources for capacity-building and technology development and transfer**. The Fund will provide resources for innovative & replicable approaches.
- “The Fund will finance . . . , **technology development and transfer**”

## *Guidance from COP:*

- **COP29:** “Encourages GCF to continue collaborating with the CTCN to enhance access to technology for developing countries”
- **COP28:** “Welcomes the collaboration . . . with CTCN and TEC”
- **COP27:** “Also encourages the Board to continue work . . . to establish technology incubators and accelerators”.

## *Updated Strategic Plan 2*

- **Target 10:** “Support for developing countries that results in **900-1,500 local private sector early-stage ventures and MSMEs** provided with broad-based seed and early-stage capital for innovative climate solutions, business models and **technologies...**”
- “The GCF will deploy its **entire range of financial instruments** to promote innovation in practices, business models [and] technologies...”
- “GCF will seek to replicate innovative and inclusive approaches, such as **incubators and accelerators** for climate technologies...”
- “Support development of **high-quality innovation ecosystems**”
- “The GCF will also seek to **provide early-stage financing** to new pre-commercially viable technologies...”

# Overview of GCF support: *Introduction*

*In line with given mandates, GCF uses various windows of support for technology*

- **Readiness and Preparatory Support Programme:** [new readiness strategy 2024-2027](#) provides enhanced capacity-building support via an integrated approach.
  - ✓ *GCF's revised RRMF notes the priorities of TEC and CTCN, including the TNA, NDE engagement, and technology support, to inform and guide users responsible for reporting duties. It also highlights TNA as a policy instrument.*
- **Projects and Programmes window:** with [USP2 2024-2027](#), strong provisions exist for GCF to continue its support for technology development and transfer, including dedicated targets and collaboration with TM.
  - ✓ *Continued engagement with TM via participation in CTCN and TEC-organized events (Latest engagement: Asia NDE Joint Forum; 2025 Africa Joint Program)*
- **Technology incubation and acceleration:** FPs supporting the technology incubation and acceleration under development and implementation.
  - ✓ *E.g., FP240 "Collaborative R&DB Programme for Climate Technopreneurship" FP198 "CATALI.5°T Initiative" in Latin America and West Africa*
  - ✓ *GCF's private sector pipeline under development for climate technology entrepreneurs and innovation ecosystems*
- **IRMF core indicator 6** for monitoring support for technology. **GCF project [template](#)** requesting AE to elaborate on technology support in their FPs (section C.3)

# Overview of GCF support: *as reported in the 14<sup>th</sup> Report to COP*

## *Technology in GCF Projects and Programmes*

- Out of all approved projects, **83% (261 projects)** contain **explicit technology** components.
- Mitigation dominates: **168 projects** (64%), focusing on renewable energy, low-emission transport, efficiency.
- Adaptation: **43 projects** (16%), often agriculture, water systems, and health-related technologies.
- Cross-cutting: **50 projects** (19%), blending mitigation and adaptation (e.g., smart irrigation with renewable energy).
- This high integration reflects **deliberate mainstreaming of technology** into project design, supported by funding templates, proposal manuals, and reporting tools.

## *Readiness Support: Scaling Technology Solutions*

- Readiness funding **builds institutional systems and enabling environments** that sustain long-term technology adoption.
- **35 new readiness proposals** approved (USD 30.04M) with strong technology integration.

### *Examples of GCF readiness support for technology*

- **Azerbaijan:** Developing TNA for food loss/waste and a technology action plan.
- **Burkina Faso:** Updating TNA in agriculture, water, sanitation; roadmap for new technologies.
- **Zimbabwe:** Updating tech priorities under NDC 3.0 framework.
- **Philippines:** Climate data and analytics system development.
- **Timor-Leste:** Solar PV adoption mainstreamed through readiness.
- **Mongolia:** Energy Savings Insurance launched to stimulate clean energy investment.
- **Saint Lucia:** Upgraded forestry/climate information systems for adaptation planning.
- **Trinidad and Tobago:** Adoption of solar-powered drip irrigation & protected agriculture.

## Overview of GCF support: *Institutional Strengthening*

*Results Management: results systems ensure that climate technologies are not just funded, but are monitored, validated*

- Newly established **Department of Monitoring, Evaluation, and Learning (DMEL)**, ensures projects deliver not only on finance, but on measurable technological impacts.
- **Ex post validation of emission reductions:** Focusing on analyzing greenhouse gas mitigation technologies & enhancing templates and implementing tools for tracking emission reduction progress across the portfolio.
- **Aims at significantly improving the ability of GCF to assess climate impacts** and ensure the effectiveness of the investments in mitigation projects

*Use of AI within GCF's Operation: GCF is not only financing technologies externally but also embedding advanced technologies internally*

- **AI integration across the programmatic cycle**, aimed at enhancing project reporting, evaluation, risk management, and monitoring
- **AI Agents deployed:** Chatbot assisting with queries and first-level evaluation of submissions
- **AI applied to streamline portals and workflows**, improving speed and consistency, seeking operational efficiency

# Overview of GCF support: *Projects and Programmes*

## Country-Level examples of technology integration

- [FP249](#): Shows how GCF financing **supports systemic reforms** (irrigation technologies, water management, and integration of renewable energy). A strong case of mitigation + adaptation.
- [FP257](#): Illustrates the softer side of technology, such as orgaware building, focusing on training, awareness, adoption support. Not just hardware, **but institutional capacity**.

## TNA - GCF Project Linkages: FPs approved at B.42

**Maldives – SAP050**  
*TNA concluded in 2024 followed by GCF SAP of USD 25 million grant, approved in 2025.*

**TNA priorities:** 2024 TNA promotes observation integration of technologies (drone, satellite imagery and GIS) into existing land use planning processes.

**GCF alignment:** SAP050 supports outputs, including observations and forecasting; warning dissemination; as well as preparedness and response capabilities.

**Paraguay – FP277**  
*Visible linkages connecting TNA and action financed by GCF through combining technology rollout with institutional enablers.*

**TNA priorities:** 2023 TNA highlighted solar and distributed renewable energy, plus enabling policies and finance.

**GCF alignment:** FP277 promotes renewable deployment, policy reforms, and financing to lower adoption barriers.

**Cambodia – FP270**  
*A cross-cutting GCF project linking TNA’s priorities into concrete interventions.*

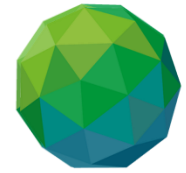
**TNA priorities:** (2013)  
Adaptation: water/agriculture;  
Mitigation: energy efficiency, renewables.

**GCF alignment:** FP270 addresses both: improving water/irrigation for resilience and boosting energy efficiency.

**Ghana – FP265**  
*Ensures continuity observed by TNA-identified priorities linked to large-scale implementation.*

**TNA priorities:** (2013)  
Renewable energy, efficiency, agricultural technologies; need for stronger institutions.

**GCF alignment:** FP265 scales renewables/efficiency in priority sectors and supports institutional capacity.



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# Operational Modalities for 2024-2027 Readiness Strategy

# Financing Modalities of the Readiness Programmes

*Strategic, medium-term programmes based on 4-year planning*

Objective 1

Capacity building for CF coordination and enabling environment

Objective 2

Programming for adaptation and mitigation, based on country needs

Objective 3

Knowledge sharing and learning

**2024-2027**

**DAE Modality**

- Total envelope **\$ 1 m** per entity over 4 years

DAEs

**Country Modality**

- Total envelope **up to \$ 7.32 m** per country over 4 years


NDA

➔ **\$ 320k** per LDC/SIDS country over 4 years


<https://www.greenclimate.fund/readiness>

# Key Enablers for Operationalizing Readiness Strategy

## Streamlined Readiness Templates

 Streamlined workflows to ensure efficiency and consistency across implementation steps - ToR integrated into Proposal template; Log Frame and Budget


## Inbuilt Flexibility in Rollout

 Adaptable implementation model to accommodate diverse regional and national contexts (TFFF, IP, NDC-P, NAP-G, TNAs/TAPs, CP-DAE, Country / Regional Platforms)


## Clarity in Process

 Digitized proposal formats for Country & DAE window; use of GPP and PRTP



## Standardized Deliverables

 Standardized **14 deliverables** ensure streamlined results data and reporting, consistency in quality review, and accountability

## Practical Approach to Results Delivery

 **Milestone-based disbursement** model that ties disbursement to tangible progress towards standardized deliverables

## Balancing NAP.1 and NAP.2

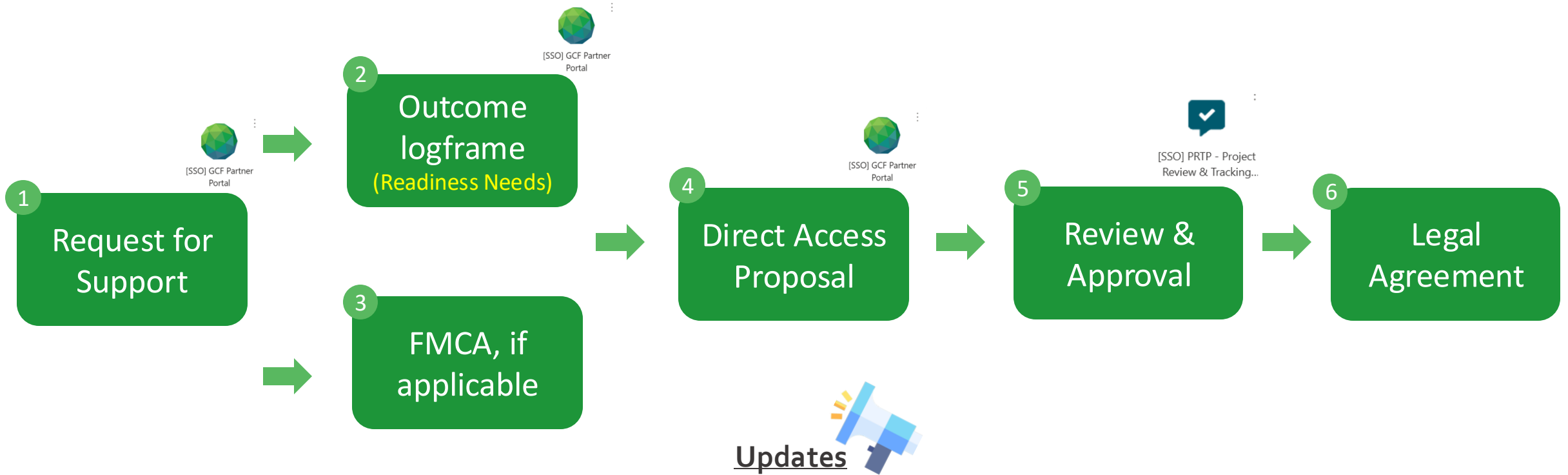
 Support NAP **formulation** in countries that did not utilize USD 3 million  
 Prioritize NAP **implementation** in countries that have finalized their NAPs

# Operationalizing Country Window



# Direct Access Modality & FWA Holder

Country Window: NDA, DAE, or designated agency\*



-No TORs for Direct Access modality as TOR content was integrated/streamlined at proposal stage (for GPP and offline template).

-If countries select an FWA, no TOR needed, as FWA co-design proposal in coordination with NDA and GCF.

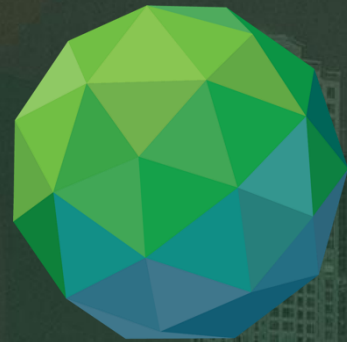
-Outcome logframe (retained from TOR) - a mandatory step for countries to map country outcomes and identify readiness needs, prior to submit a Direct Access Proposal

\* If country nominates a designated agency, a nomination letter is **required** at the RfS stage

# Readiness Opportunities: Working together – Technology and Financing Mechanism



Readiness Objective	Opportunities for CTCN / NDE engagement
<p><b>Capacity-building</b> for climate finance coordination and setting up the <b>enabling environment</b> for integrated climate investment</p>	<ul style="list-style-type: none"> <li>- Country level capacity building - climate tech &amp; finance</li> <li>- Institutional coordination – NDA &amp; NDE (country platforms)</li> <li>- Technology advisory – TNAs - policies, strategies, frameworks</li> </ul>
<p>Paradigm-shifting GCF <b>pipeline development</b> and implementation for <b>adaptation and mitigation</b>, based on country needs</p>	<ul style="list-style-type: none"> <li>- Project ideas, Concept Note and Project Preparation</li> <li>- Feasibility studies, business models, bankability of ideas</li> <li>- Mainstreaming adaptation / mitigation related technologies in projects, programmes, sectors</li> </ul>
<p><b>Knowledge-sharing</b> and learning to enhance national and <b>regional cooperation</b> on climate programming and financing</p>	<ul style="list-style-type: none"> <li>- Technology related knowledge products</li> <li>- Knowledge sharing events, peer-peer learning &amp; platforms</li> <li>- Transboundary, Regional or South-South Cooperation, Technology Partnerships, Policies &amp; MoUs</li> </ul>



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