



UN CTCN : **Connecting Countries to Climate Technology Solutions**

Bolstering Interlinkage between Climate Technology and Finance: Synergy between Technology Mechanism and Financial Mechanism of the UNFCCC

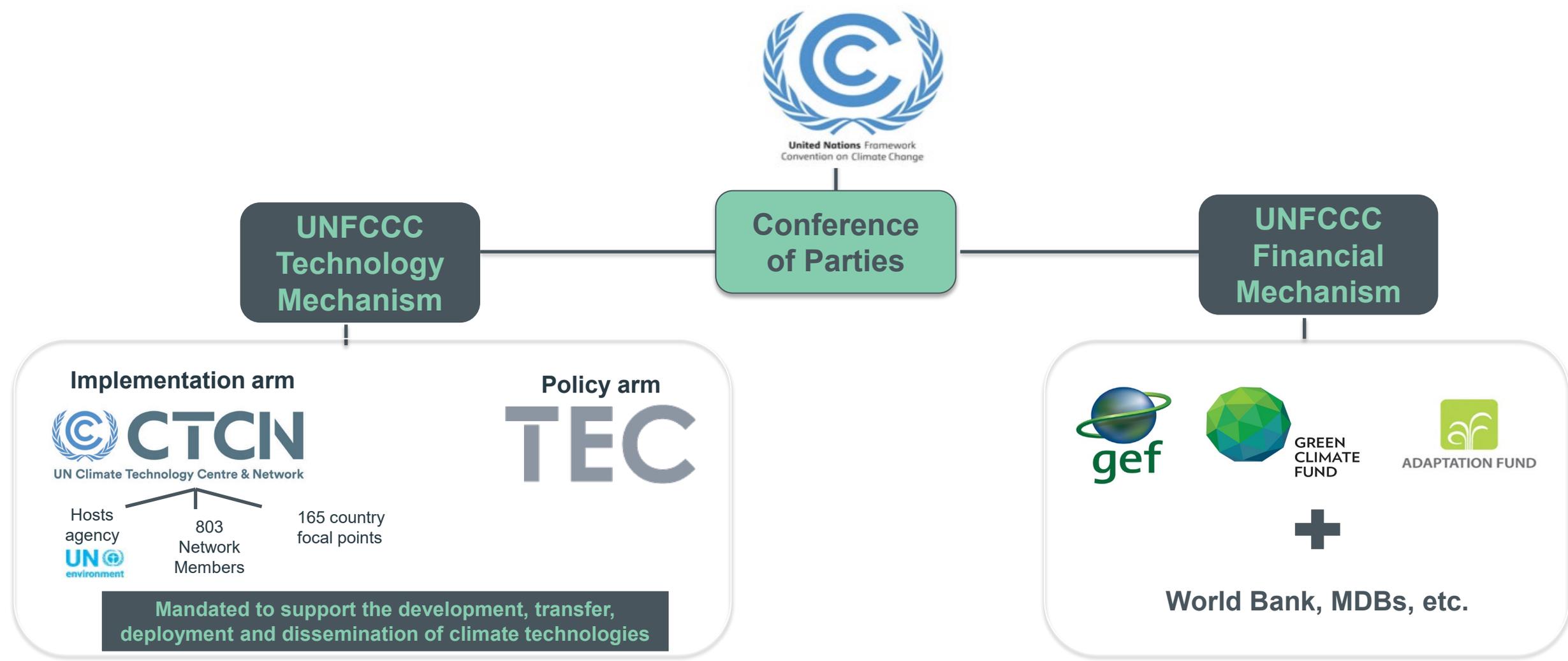
Green Climate Fund Regional Dialogue for Eastern Europe and Central Asia

20th March 2024

Who we are

UN Climate Technology Centre and Network

Implementation Arm of the Technology Mechanism of the UNFCCC



UN Climate Technology Centre and Network



Implementation Arm of the Technology Mechanism of the UNFCCC

CTCN Services

TECHNICAL ASSISTANCE

KNOWLEDGE SHARING

COLLABORATION & NETWORKING

**250,000 USD (Max) to IP,
402 Projects submitted, 157 Projects
completed, 110 countries**

17,001 Information resources

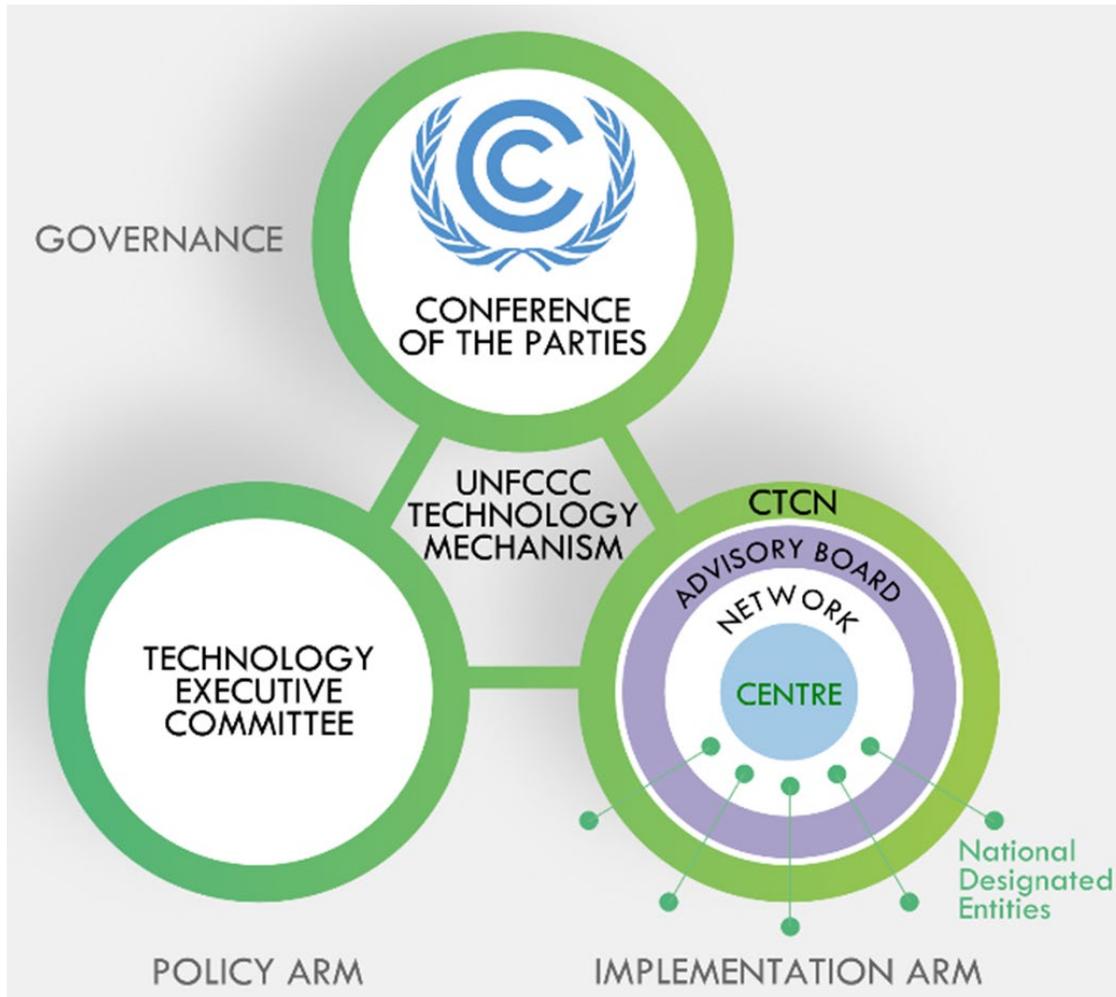
807 Network members

Technology Framework of the Paris Agreement



UN Climate Technology Centre and Network

Implementation Arm of the Technology Mechanism of the UNFCCC



165 National Designated Entities (NDEs)

NDEs facilitate support to their countries from the CTCN by:

- Serving as National Focal Point on CTCN activities.
- Supporting the articulation and prioritization of requests and proposals.
- Managing the national submission process of technical assistance requests to the CTCN

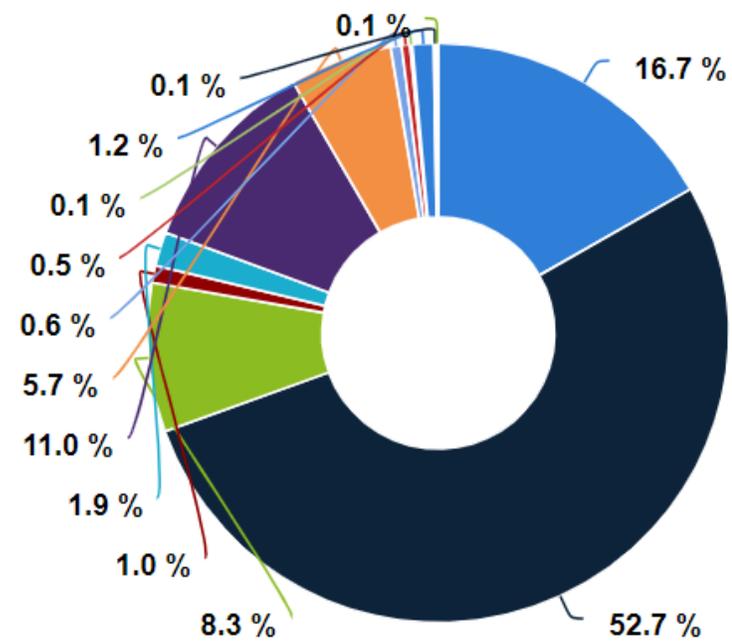
807 Network Members are Implementing Partners (IPs) of the TAs

UN Climate Technology Centre and Network

Implementation Arm of the Technology Mechanism of the UNFCCC



Distribution of network members by type of institution



- Research and academic institution
- Private sector organization
- Not for profit organisation
- Partnership
- Intergovernmental organisation
- Non-governmental organisation
- Public sector organisation
- Initiative
- Financial institution
- Regional organisation
- Other
- Local government
- Specialized agency

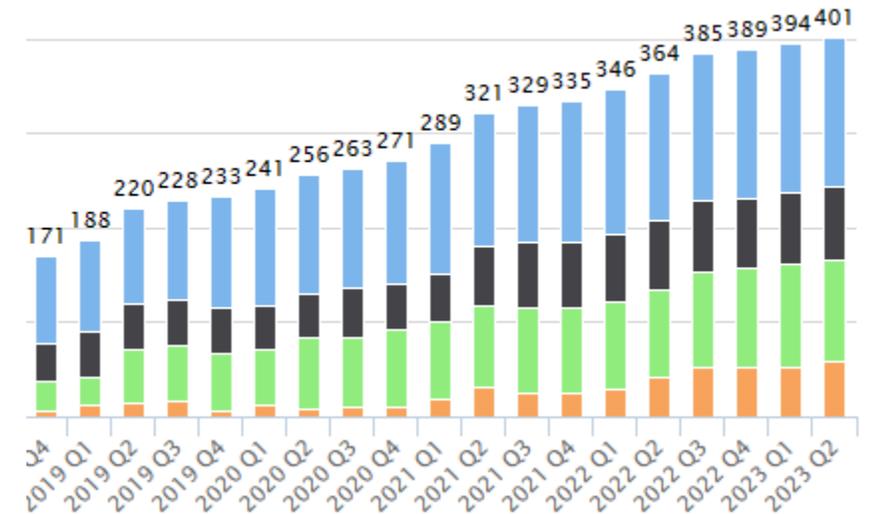
UN Climate Technology Centre and Network

Implementation Arm of the Technology Mechanism of the UNFCCC



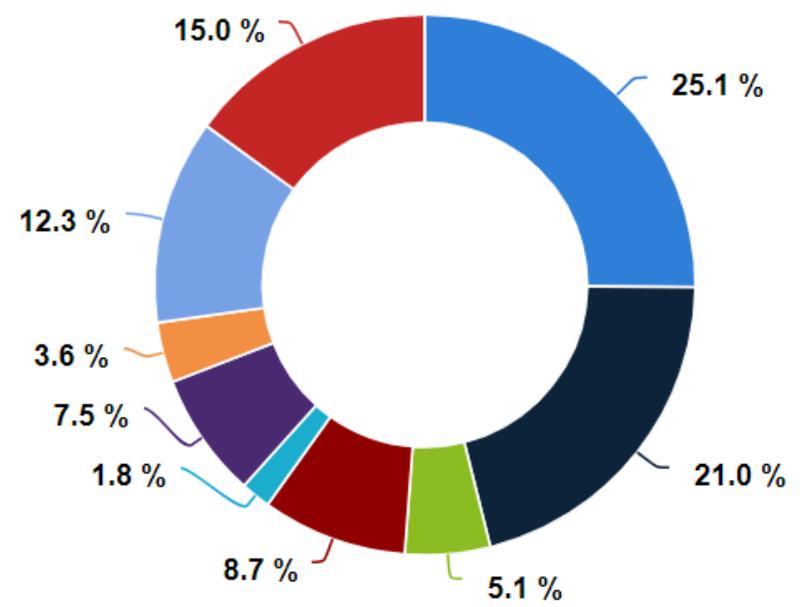
Delivery of TA implementation: 2019-2023

- For the period of 2019-2022, received 193 TA requests, implemented 154 TAs and served 90 countries
- **58% of active TAs during the period of 2019-2023 supported SIDS and LDCs**
- We also observed some distinguishing trends in technical assistance such as
 - piloting and deployment of technologies in local condition, recommendations for law, policy and regulations and sectoral roadmaps and strategies
 - In terms of sectors most in need from developing countries were **Agriculture, circular economy and transport.**



Distribution of TA requests by the type of assistance

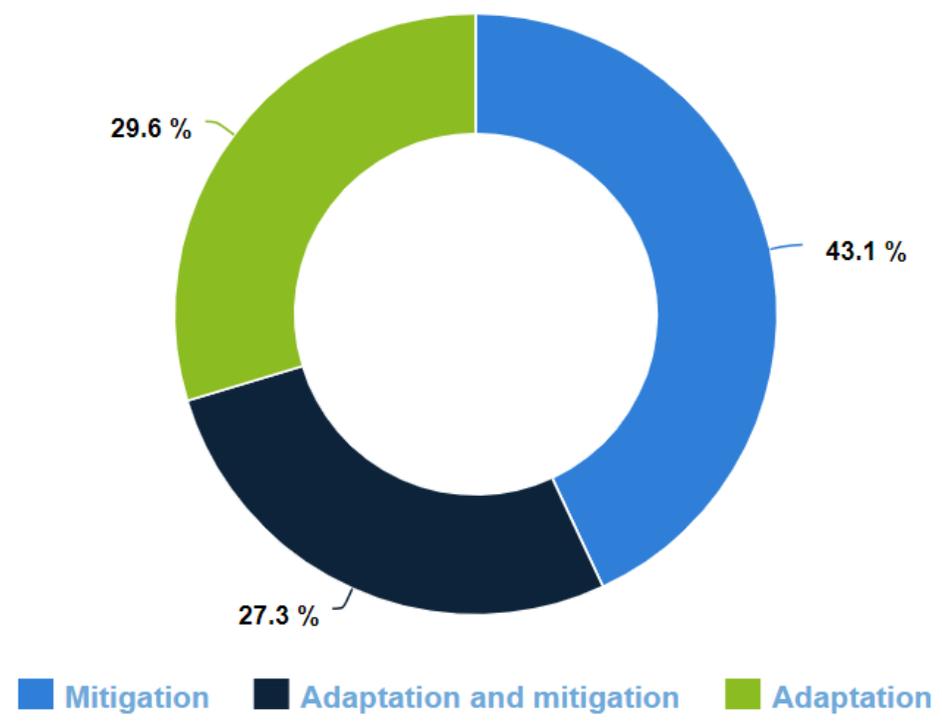
Distribution of requests by type of assistance



- Decision-making tools and/or information provision
- Feasibility of technology options
- Financing facilitation
- Piloting and deployment of technologies in local conditions
- Private sector engagement and market creation
- Recommendations for law, policy and regulations
- Research and development of technologies
- Sectoral roadmaps and strategies
- Technology identification and prioritisation

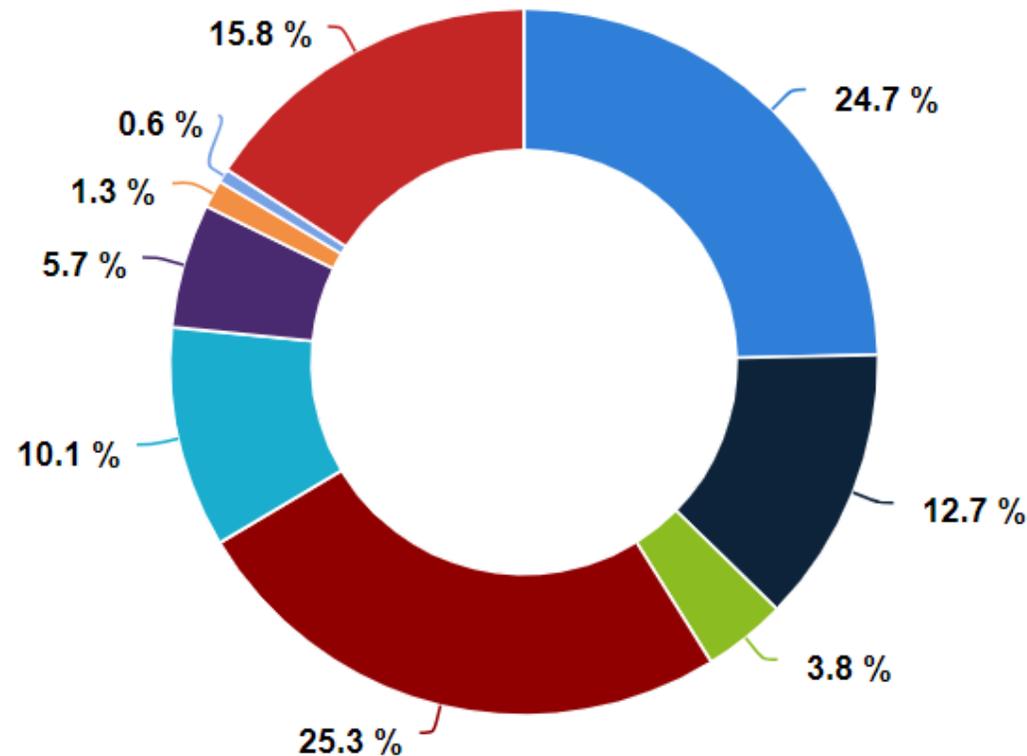
Distribution of TA requests by objective

Distribution of requests by objective



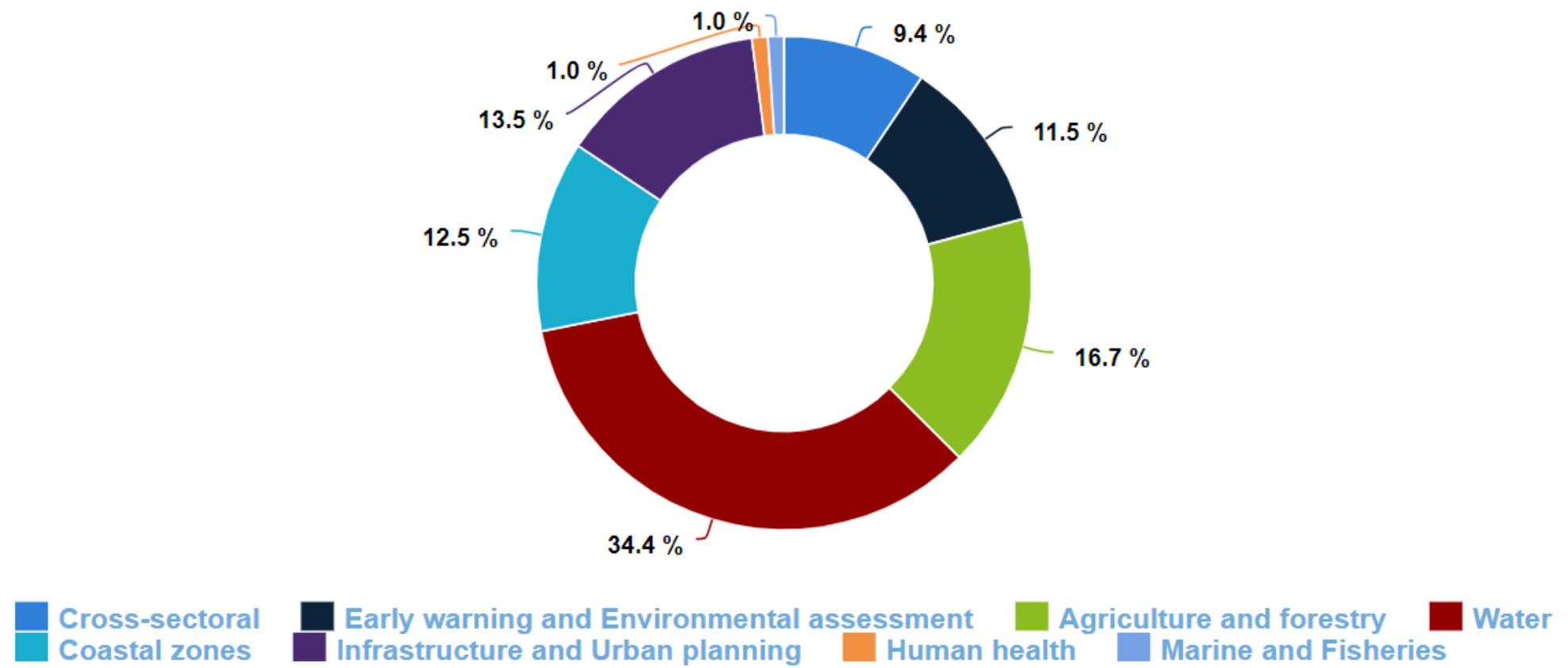
Distribution of TA requests related to mitigation, by sector

Distribution of requests related to mitigation, by sector

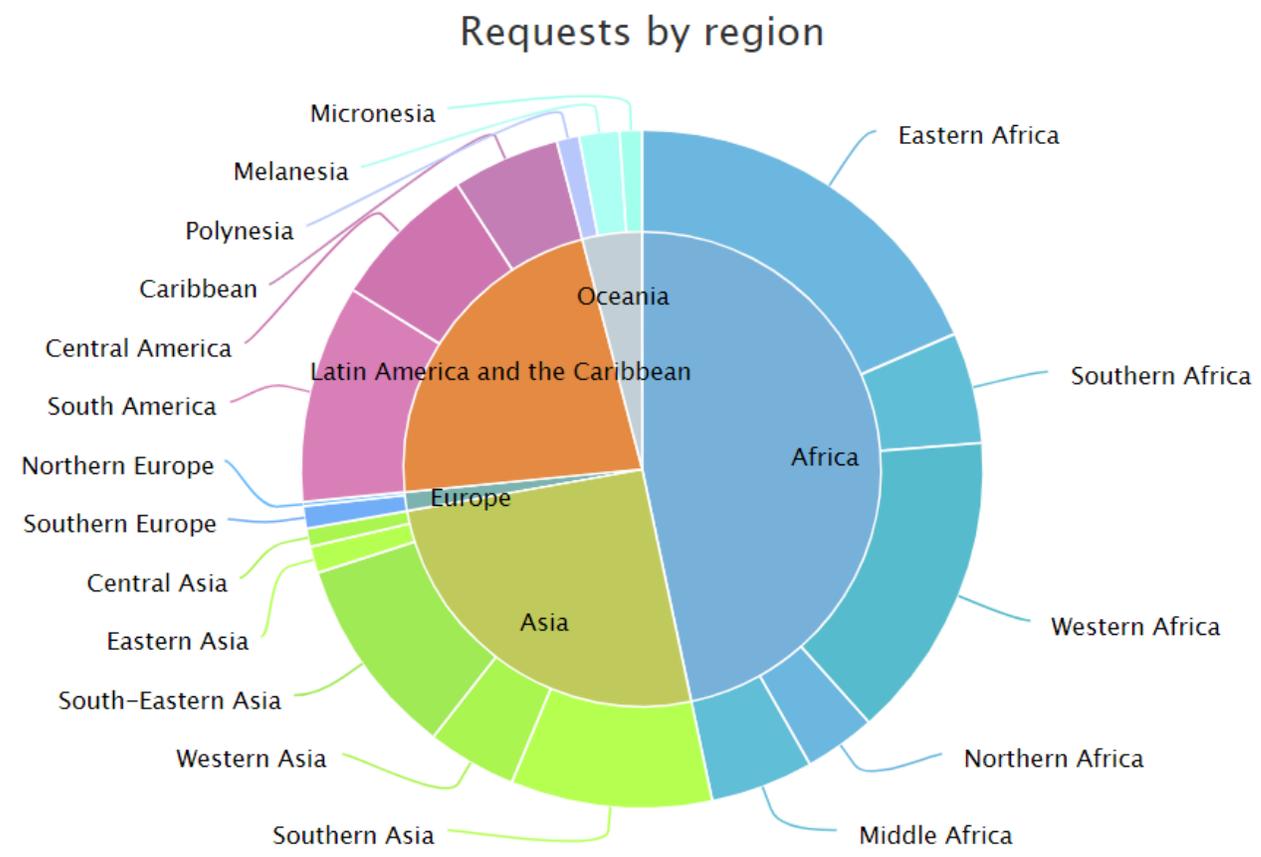


Distribution of TA requests related to adaptation, by sector

Distribution of requests related to adaptation, by sector

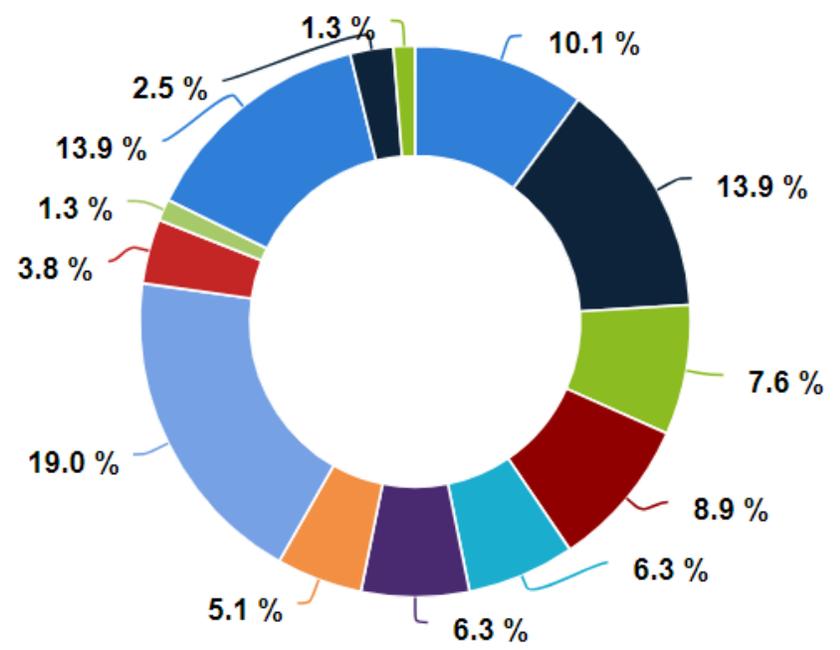


Distribution of TA requests by region



Distribution of TA requests from Asia by sector

Distribution of requests from Asia by sector



- Renewable energy
- Cross-sectoral
- Transport
- Waste management
- Agriculture and forestry
- Early warning and Environmental assessment
- Infrastructure and Urban planning
- Energy efficiency
- Agriculture
- Industry
- Water
- Coastal zones
- Human health

UN Climate Technology Centre and Network

Implementation Arm of the Technology Mechanism of the UNFCCC



The Programme of Work(PoW) 2023-2027

Support Parties to achieve their commitments to **the Paris Agreement** through technology development and transfer and to implement their **NDCs**, improve resilience to climate change impacts and mitigate climate change.



UN Climate Technology Centre and Network

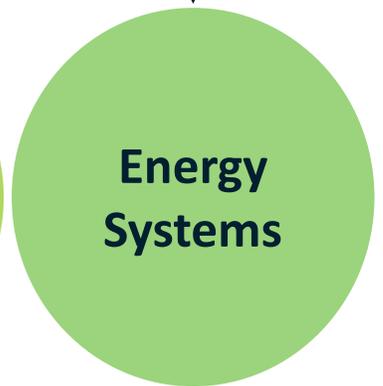
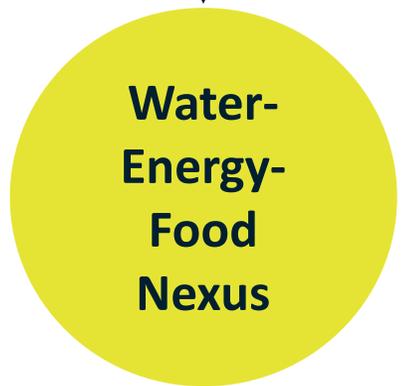
Implementation Arm of the Technology Mechanism of the UNFCCC



ENABLERS



5 SYSTEM TRANSFORMATION AREAS



CROSS CUTTING



National Systems of Innovation

The CTCN will support the development of national systems of innovation to:

1. support collaborative approaches to [climate technology research, development, and demonstration \(RD&D\)](#);
2. create and promote relevant enabling policy to incentivize and [nurture a supportive environment for innovation](#); and
3. actively engage [the private sector](#) and build closer [collaboration between the public and private sector](#).

(Example) Approaches that include [support to policy, institutional and regulatory framework development and planning processes](#), and [the development of technology transition pathways](#) that stimulate the uptake of climate technologies.

Digitalisation

The Programme of Work will explore [how digital technologies and circular design can bring significant potential in reductions in the global carbon footprint.](#)

(Examples of digitalisation and data) as supports to enhance system transformation in areas such as:

1. [Early warning systems,](#)
2. [Nature based solutions and digital technologies](#) to support off grid energy systems, such as blockchain technologies for urban transport and buildings

In this regard, CTCN could focus on [promoting access to digital public goods \(such as freely available and open- source software, data, and standards\)](#) that will enable the design of policies, that support climate risk assessments, planning for adaption and resilience at country level, promotion of low emission pathways and informing climate investment decisions.



Linkage between TM & FM

- CTCN&GCF
- NDEs & NDAs(AEs)

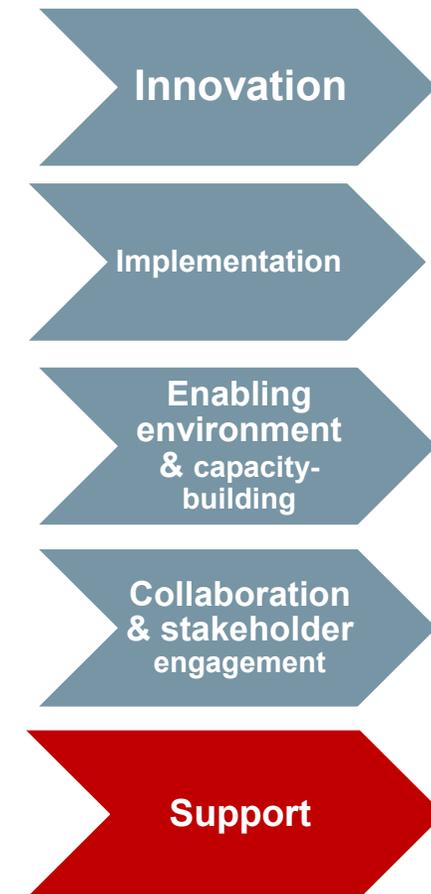
Strengthening the linkage between TN & FM



Support: theme of the Technology Framework under the Paris Agreement

Support across the CTCN's service areas aims to :

- Enhancing collaboration under the Technology Mechanism and the Financial Mechanism to increase support for technology development and transfer
- Enhancing the mobilization of various types of support including pro-bono and in-kind support
- Enhancing a monitoring and tracking of actions undertaken and support received by the Technology Mechanism, with consideration of the global stocktake



Enhancing Engagement with the GCF: GCF Readiness Funding for the CTCN TA

- **CTCN as a Delivery Partner of Readiness and Preparatory Support Programme (since 2017):**
Countries' CTCN TA can be implemented through the GCF Readiness budget.
 - 39 CTCN TA Readiness Proposals submitted.
 - Of which, **31 CTCN TA Proposals** approved (USD 12 million funding leveraged)
 - In 2022, **4 CTCN TA requests proposals were submitted and approved.** In 2022, CTCN completed 6 CTCN TA projects

Enhancing Engagement with the GCF: Scaling-up of the CTCN TA results including TNAs results

1. CTCN's strategy

- **Scaling-up of CTCN TA results**
- One of deliverables of the CTCN TA becomes the Concept note for the FM
“Much technical assistance has included the development of a concept note for further financing as a deliverable, with many intended for GCF full-scale implementation”
- **Developed 2 concept notes** from CTCN TA support
 - 1) MSMEs' Climate Sound Technologies for Production Efficiency and Business Value in Kenya (MSMEs CST- Kenya) (USD 95 million)
 - 2) West Africa Low Emissions and Climate Resilient Agriculture Financing Facility (USD 210 million)

2. Developing Country Parties : strong demand for the facilitation of implementation of Global TNA results



**CTCN and GCF
Working on TNAs in the
region and globally**

GCF CTCN Technology Needs Assessments (TNAs)

- CTCN has developed 35 projects with the GCF.
- Out of these 35, 14 are TNAs.
- 11 are completed: including the TNA of Kyrgyz Republic and Georgia
- 1 is one going
- 2 are under revision
- In 2024, 3 new requests to update TNA have been received from Africa and LAC region.

Similarities between Georgia and Kyrgyz Republic TNAs

Items	Georgia	Kyrgyz Republic
Sectors	Energy generation and supply Building Agriculture Transport	Agriculture Water
Technologies identified	<ul style="list-style-type: none"> Energy generation and supply : 16 technologies Agriculture: 10 Transport: 9 Building : 13 	<ul style="list-style-type: none"> Agriculture: 11 identified // 5 prioritized Water: 32 identified // 3 prioritized Energy : 15 technologies Waste: 9 technologies
N° of concept notes formulated	4 CN	3 CN
Targetting specific AEs	1	

Similarities between Agriculture & Energy technologies

Items	Georgia	Kyrgyz Republic
Agriculture	<ul style="list-style-type: none">• Use of agricultural waste as fertilizer• Breeding of highly productive cattle• Conservation methods of land cultivation	<ul style="list-style-type: none">• Sustainable Pasture Management• Organic Farming• Drip irrigation
Energy	<ul style="list-style-type: none">• Combination of wind power plants and hydro-accumulating HPPs• Green hydrogen• Solar PV	<ul style="list-style-type: none">• Hydropower plants (small)• Solar energy for hot water• Solar PV• Wind power plants• Biogas for heating and electricity• Natural Gas combustion