

# CTCN

## *Director's Update*

Rose Mwebaza and Amanda Lees  
*Advisory Board 18 – September 2021*





# Video on CTCN achievements and invitation for inputs



<https://vimeo.com/viktorpesenti/review/598741743/22d74b2b0c>

# Technical Assistance – Overview

**321**

Requests for technical assistance received to date

**144**

Completed

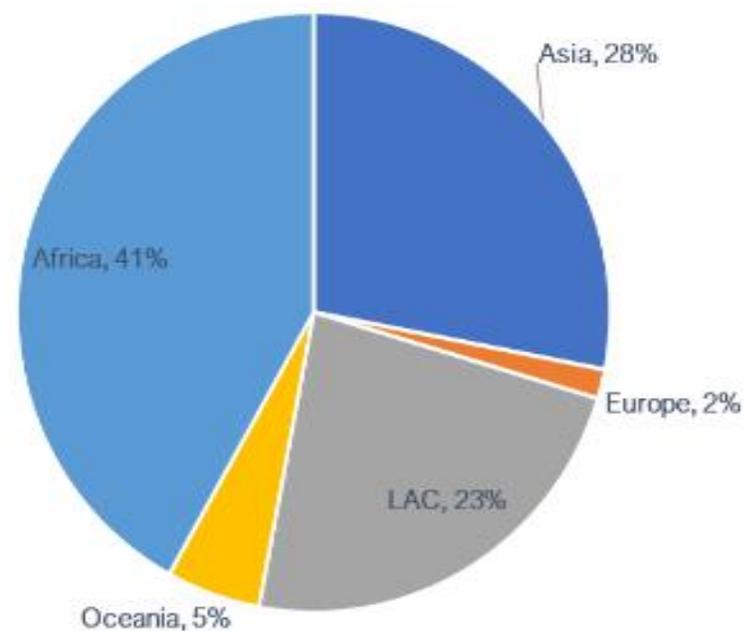
**63**

Under Implementation

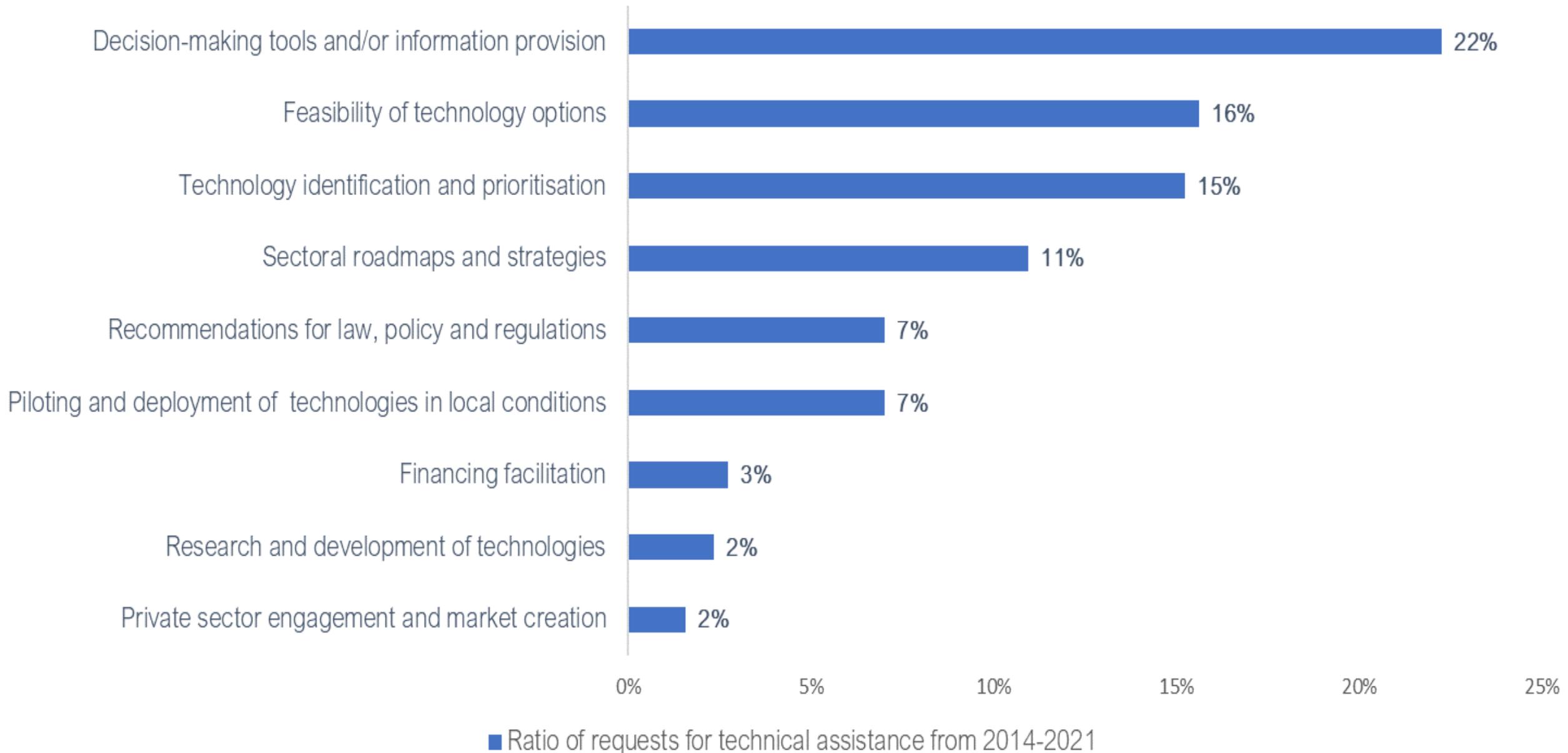
**50**

New requests in 2021

LDCs: 33%  
SIDs: 16%



## Distribution of requests for technical assistance by type of assistance (2014-2021)



# Technology Framework of the Paris Agreement

These types of CTCN assistance delivers directly on the 5 Technology Framework themes

Innovation

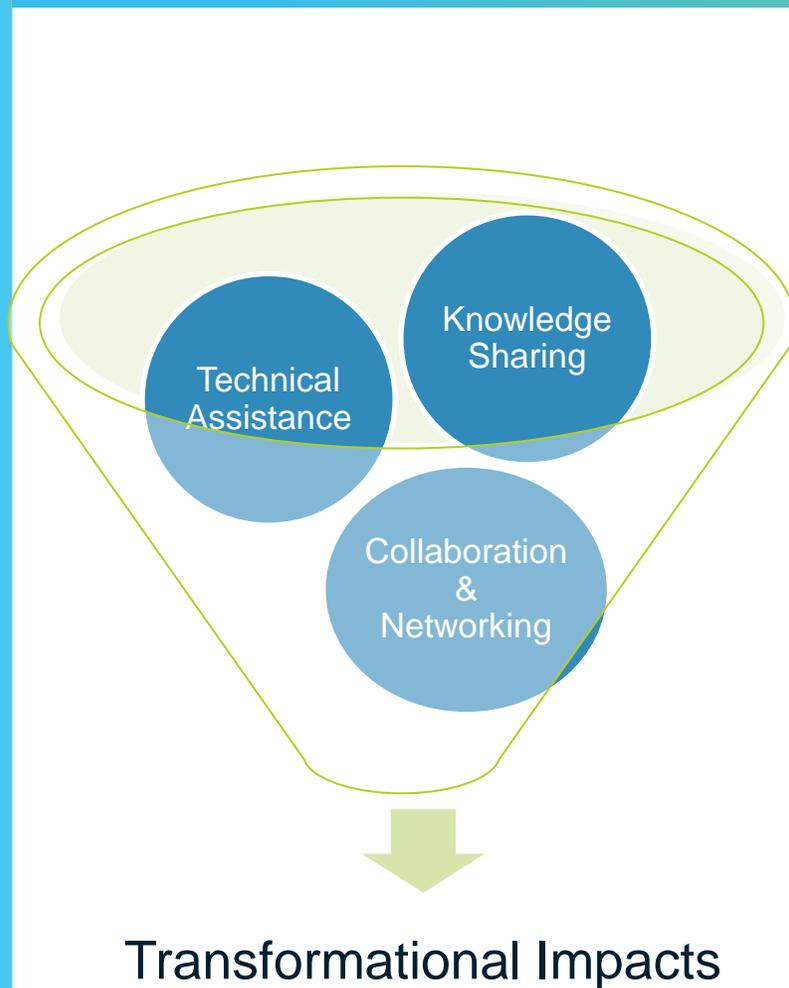
Implementation

Enabling Environment & Capacity Building

Collaboration & Stakeholder Engagement

Support

# Focus on transformational change



Transformational change in climate technology transfer requires a **combination of policy interventions and actions** which are not only focused on techno-economic feasibilities

**Multi-level** approach and **long-term** perspectives strengthen potential for transformational change

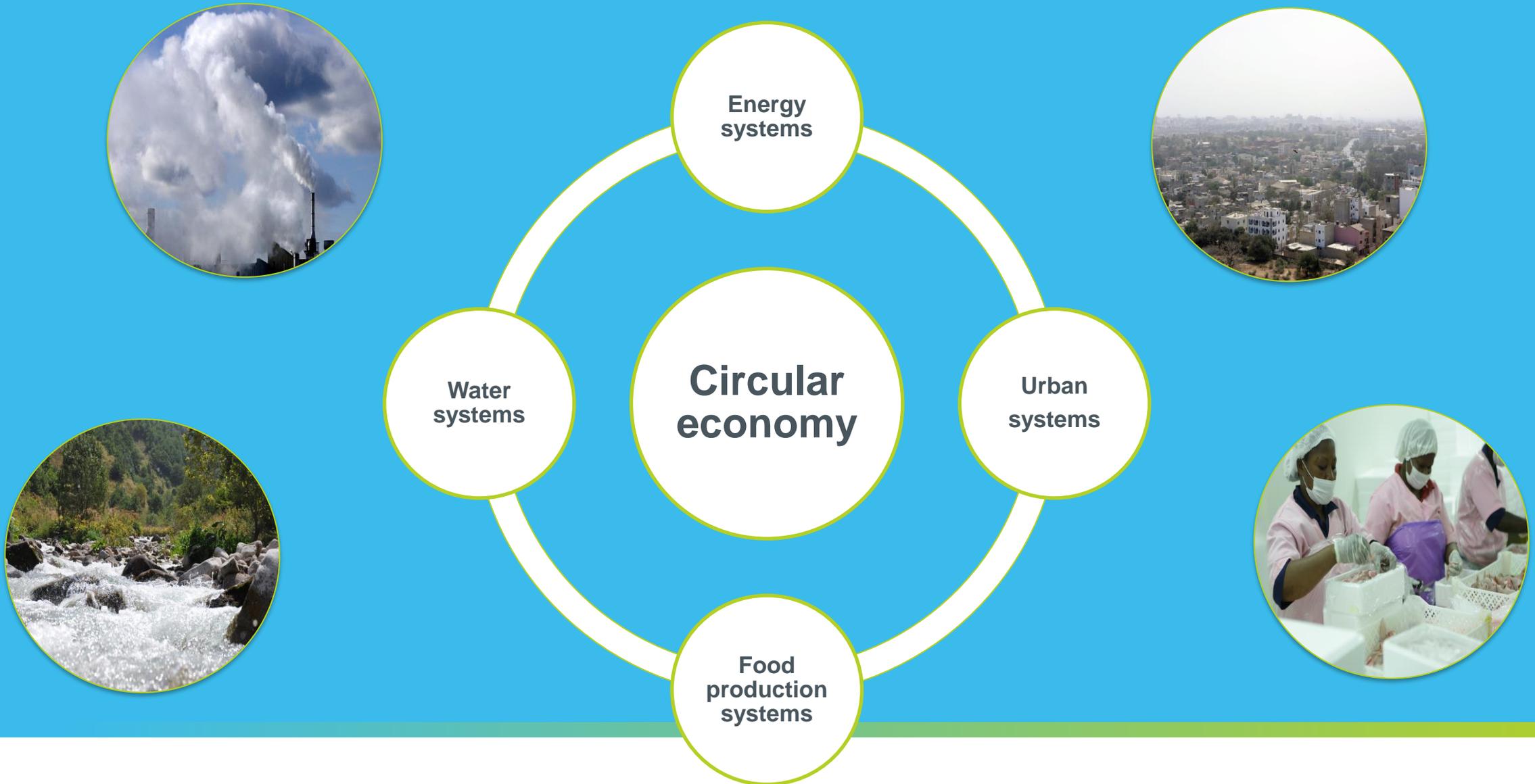
More focus is needed on ensuring **sustained** change and avoiding **relapse**

Avoiding pre-defined solutions: moving from incremental improvements towards **systemic change**

# Transformational Change M&E

- Developing specialized, multi-purpose transformational impact assessment and reporting tools to enable comparison and aggregated assessment of transformational impact - in partnership with UNEP-DTU
- Biannual NDE Survey – with TEC planned for next year
- Deep dives of select completed technical assistance to be better able to tell the full story on CTCN impact

# We know where the transformational changes need to take place



# CTCN Technical Meeting - Sept 8<sup>th</sup> 2021



1. **Objective:** Present thinking on the future of the CTCN and solicit inputs on priority areas of work as the CTCN starts developing its new four-year programme of work (2023 – 2026)
2. **Result:**
  - Several discussions on partnership and funding support initiated with different representatives
  - Bilateral follow-up meetings scheduled
3. **Moving Forward:**
  - Inputs used to inform workplan and consultations for the development of the PoW
  - Serves as the basis for the donor roundtable at COP26: although the PoW will only be developed next year, the CTCN must raise attention at COP26 on raised ambitions and vision for CTCN moving forward.
  - Except for a projected income of approximately 2 million USD during 2023-24 from the Adaptation Fund, the CTCN does not have additional income secured after 2022.

# Innovation assistance

- **Collaboration with Blockchain & Climate Institute (BCI)**
  - 5-week interactive online course (Sept-Oct 2021) focusing on blockchain solutions and emerging digital technologies for global climate action
  - Open to 100 representatives from developing country Parties
- **Liaison office in Songdo – signing ceremony end of September 2021**
  - \$10 million over 5 years
  - promoting innovation and RD&D,
  - enhancing the Centre's collaboration with the GCF,
  - strengthening existing efforts on innovation and collaborative RD&D,
  - South-South learning



# Circular Economy Coalition for Latin America and the Caribbean



- National Circular Economy Roadmaps developed by the CTCN were adopted by the Governments of Brazil, Chile, Mexico and Uruguay.
- Also resulted in the 2021 launch of the Regional Coalition on Circular Economy for Latin America and the Caribbean
- CTCN one of 8 strategic partners working with Latin American countries
- First regional programme in the Americas to coordinate a government-level intervention in the field of circular economy
- Implement circular economy approach in LAC region
- Support access to financing with emphasis on SMEs

## TA case study:

# National certification system for energy auditors - Pakistan

- 20-25% potential for energy saving in all sectors of economy – specifically industrial sector
- 2016 national energy efficiency and conservation act – legal basis to enforce efficient use and conservation of energy
- But no professional certification exists for energy auditors.

- **Outputs:**

- National certification scheme for energy auditors and managers + draft rules and regulations required for making the certification scheme effective.
- Capacity development of energy professionals to carryout mitigation efforts in the textile, cement, conventional power plant and pulp and paper sectors.

**Duration:** 16 months

**Cost:** \$103,570

**TA Implementer**



Notification of Designated Consumers

Guidelines for accreditation and the appointment of evaluators and professionals

Syllabus, course material, guidebooks, and question banks for the accreditation

Training of Relevant Professionals

Draft Regulations to Support Implementation Roles as defined in National Certification Scheme

# Enhancing Engagement

# Network Collaboration

- **NDC Technology Analysis** - Collaboration with University of Michigan
- Developing a **Circular Economy knowledge brief for Africa** in partnership with the Climate Innovation Centre Kenya
- **Conducting training on “Financing mechanisms and business models for energy efficient technologies”** together with Basel Agency for Sustainable Energy (BASE) and PwC – India
- 72 new Network members (50 from developing countries)

**664**

Network Members

**50%**

Private Sector  
Organisations

**187**

Network Members  
Participated in  
regional Events



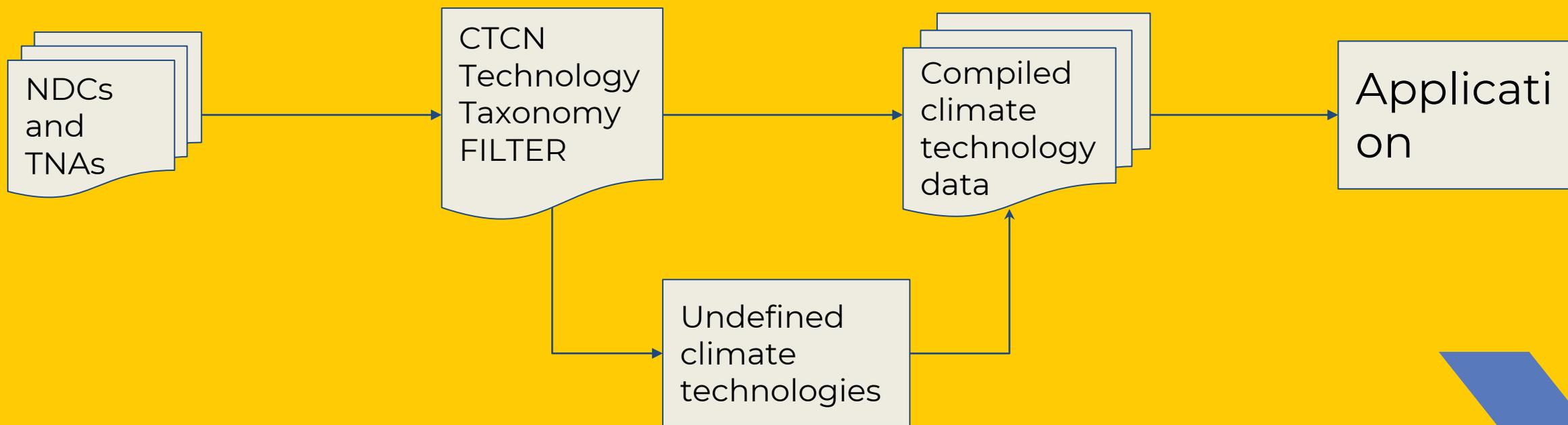
# **NDC Analysis of LDC/SIDS/Africa**

**Summary Presentation for SEAS-  
CTCN Master Project  
September 14th, 2021**

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**Lauren Davis, Yeri Kim, Bhavesh  
Rathod, and Sarah Collins**

# NDCs/TNAs for LDCs, SIDS, and African countries were analyzed





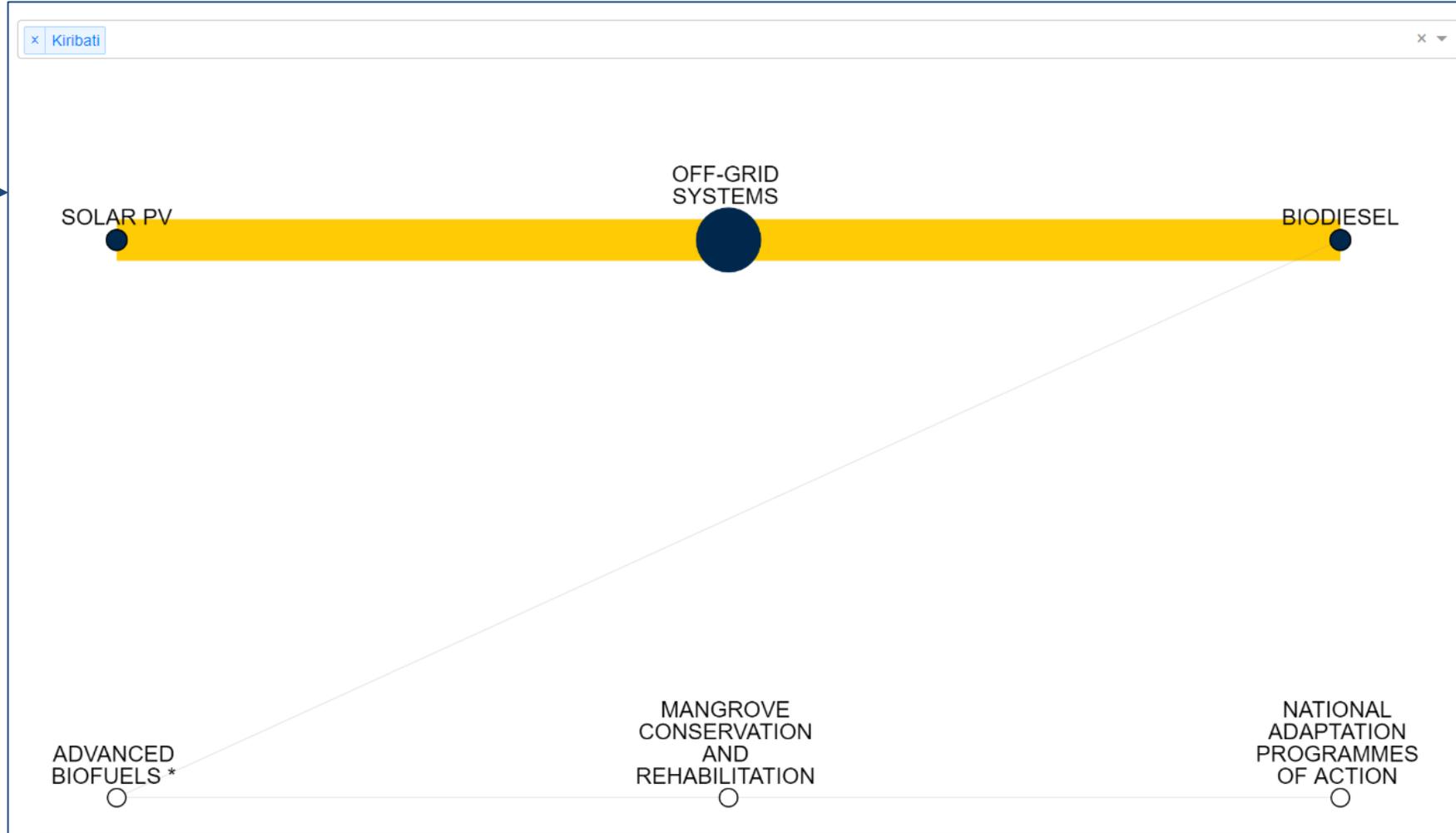
# Application was developed to make information readily available

- 
- Python based web application
  - Allows visualization of climate technologies as a network for desired regions.
  - Allows access to underlying data



# Network diagram creation example

E	L
INDC technology	Country
SOLAR PV	Kiribati
OFF-GRID SYSTEMS	Kiribati
BIODIESEL	Kiribati
ADVANCED BIOFUELS *	Kiribati
MANGROVE CONSERVATION	Kiribati
NATIONAL ADAPTATION PR	Kiribati



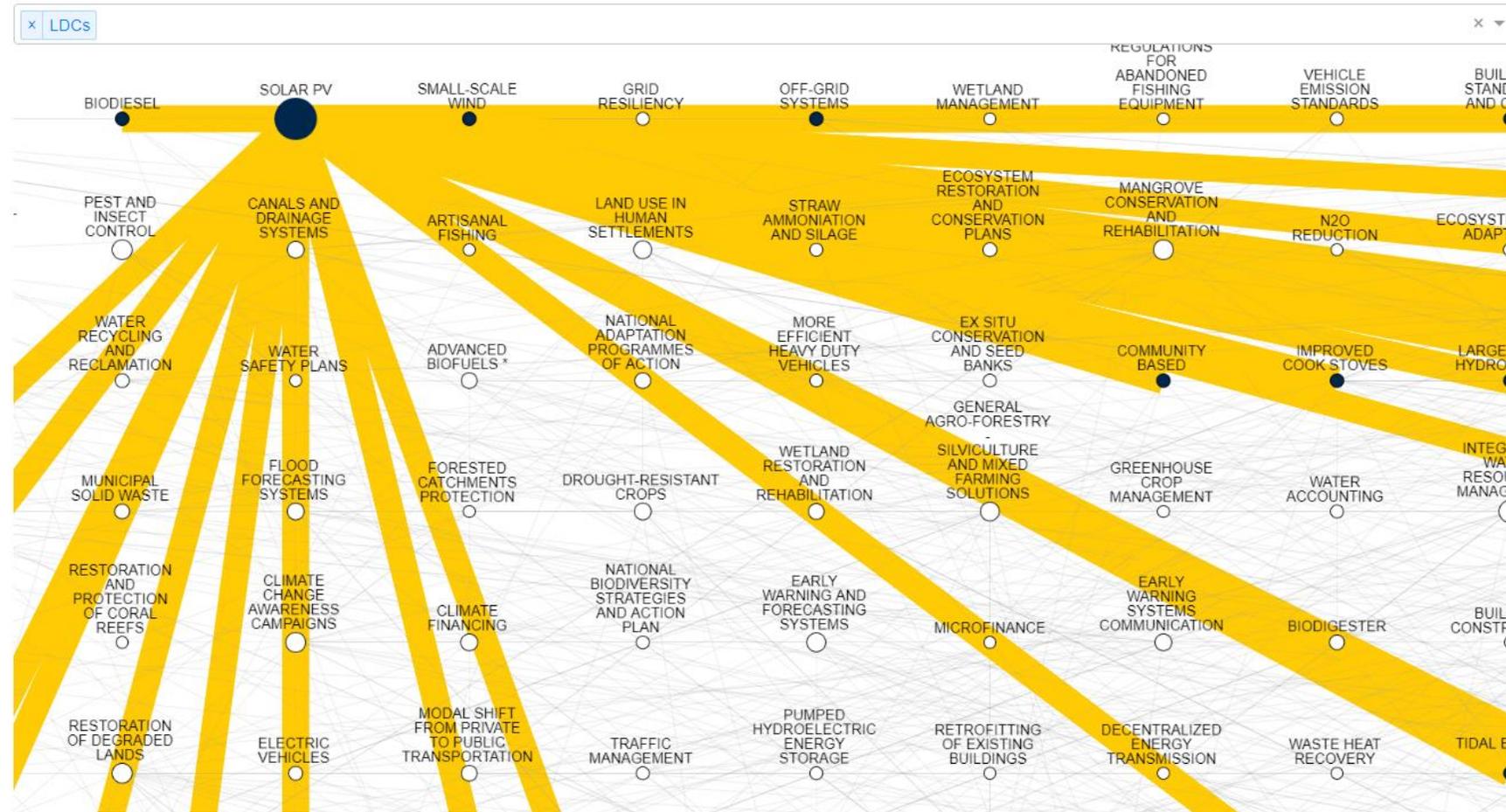


# Data can be sorted to visualize technology connections

- 
- Climate technology data can be pre-sorted.
  - Examples: sorting technologies by ease of implementation in countries
  - Now, network diagram shows technologies connected by their ease of implementation



# Which technologies are prioritized with Solar PV for LDCs?





# Thank You!

Email: [ctcn-ms2022-requests@umich.edu](mailto:ctcn-ms2022-requests@umich.edu)

# Enhancing engagement with the Financial Mechanism

## **GCF:** Ongoing discussions to move beyond readiness work

- Focus on adaptation and capacity building
- Programmatic approach -> geographic and/or topical/sectoral theme to prepare a group of countries facing similar climate-related exigencies focusing on specific technologies
- Capacity building of developing countries to develop TNAs and TAPs
- Capacity building of GCF national Direct Access Entities using CTCN “Vision to Concept” approach.

## **Current status: 35 readiness projects**

- TNA, TAP, technology roadmap
- Enabling readiness for up scaling investment in energy efficiencies

**75% of GCF technology-related readiness grants are implemented by the CTCN**

## GEF:

- Increasing CTCN engagement with the GEF in its eighth cycle
- New GEF concept note under development
- Submission under the Net Zero Accelerator window
- The bulk of the growth in global carbon emissions in the coming decades is set to come from emerging and developing economies as they grow, industrialise and urbanise.
- Concept focus: Supporting developing countries to transition to low emission energy

## Adaptation Fund

- **204** applications received to date for AFCIA
  - approx. 60% from LDCs & SIDS
- **Major adaptation sectors:**
  - Agriculture, Rural Development (resilience) and Food Security
- **Lessons learned:**
  - There is a large appetite and need for adaptation-related technical assistance in developing countries
  - Developing countries need support to identify and articulate their adaptation technology demands, especially LDCs and SIDS

**Adaptation Fund 5-year pilot grant innovation programme co-managed by UNEP CTCN and UNDP (CTCN budget: \$5 million USD)**

Implementation of 25 projects (valued at up to \$250,000 USD each)

### Adaptation Fund Innovation Programme



# Engagement with NDEs

## LAC NDE Regional Forum (May 2021)

- Key points raised by NDEs:
  - Importance of NDEs and NDAs involvement to tackle climate action
  - Innovation as a broader concept including not only technology innovation but also business models and methodologies
  - There is a need to enhance engagement with Youth - potential to lead changes
  - Green Hydrogen as an opportunity for the region to become a global supplier and decarbonize the economy in Latin-American
  - Circular economy and its potential for regional replicability and scale up

## UNFCCC-Regional Collaboration Centers:

- Two webinars held in collaboration with UNFCCC Regional Collaboration Centres (St. George and Panama) on how to request technical assistance from the CTCN.

# Engagement with NDEs

## Asia-Pacific NDE Regional Forum (July 2021)

- **1. Countries shared experience on CTCN support**
  - New NDEs to CTCN TA process (Fiji)
  - CTCN support acknowledged as an effective match making mechanism on the climate technology needs, bringing in the right implementation partner to the requesting countries.
- **2. Priority climate technology needs that can be responded/served through CTCN TA**
  - energy efficiency in land-based transport,
  - efficient water operations related to food security,
  - strengthening the coastal climate resilience
  - capacity building issues, and the provision of tools
- **3. Countries expressed their willingness to explore multi-country/programmatic approaches and potential ideas under GCF**



# Gender & Youth



**Gender-Just Climate Solutions:** 2021 submissions now being reviewed for awards and workshop in November; ongoing mentoring for current participants

**Youth Climate Innovation Lab for Latin America:** Launched in August; 16 Latin American countries participated; Over 500 applications



**Youth Knowledge Exchange programme:** Launched in August; 2 youth representatives from Colombia and Germany are collaborating with the CTCN on developing and implementing youth and gender initiatives

# New Partnerships



- Meeting with UNDP Africa Resident Representatives
- Collaboration at country level on TA implementation
- Africa Innovates Magazine – young people and climate technologies

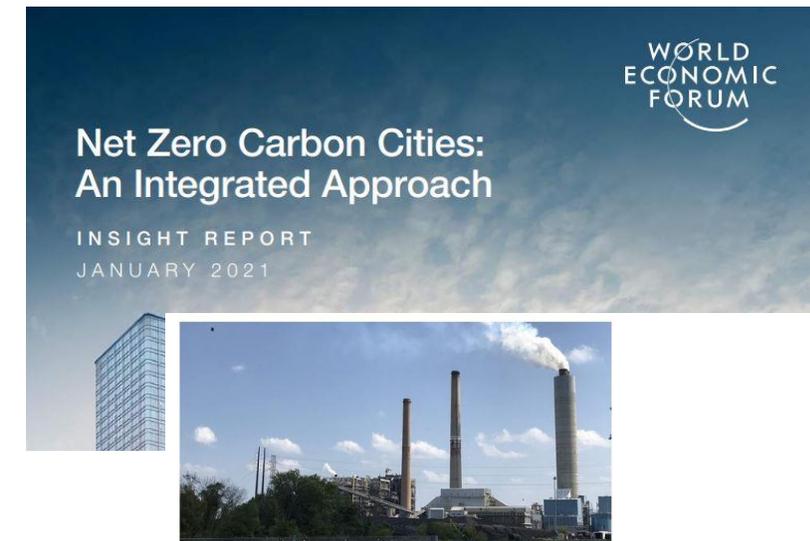


- Multi-country submission to GCF
- \$250 million GCF concept note
- Enhancing climate information, knowledge services and climate-resilient infrastructure to build resilient livelihoods amongst agricultural communities in 5-6 countries in the Sahel region

# Knowledge Sharing and Outreach

# Knowledge Sharing

- **Technology Perspectives publication** – collaboration by CTCN, UNEP-DTU Partnership, UNFCCC
- Regional brief on Asia: **Nature-based Solutions with a focus on water** (UNEP-DHI)
- World Economic Forum’s Net Zero Carbon Cities: An Integrated Approach – contribution by the CTCN
- Collaboration with WIPO, WTO – “Making micro small and medium-sized enterprises (MSMES) competitive through IP and Innovation”



**INTELLECTUAL PROPERTY AND  
INNOVATION: MAKING MSMES  
COMPETITIVE IN GREEN TECH**

## CTC-N.org visits (Jan – August)

**278,542** visitors (↑53%)

Among top 50 countries who spend the most time on [www.ctc-n.org](http://www.ctc-n.org):

- 40% are LDCs; 33% are SIDS
- Africa represents half of top users, followed by LAC and then Asia-Pacific

### Most visited web pages:

1. AFCIA page
2. Technical assistance descriptions
3. Technology descriptions

Users: 52% men and 48% women

## Earned media (Jan – August)

**599** Media mentions (↑11,8%)

**282 M** media impressions (↑91,4%)



# Technology agenda at COP26

SBI (wk 1)	SBSTA and SBI (wk 1)	COP	CMA
Poznan strategic programme on technology transfer	Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network (for 2020-2021)	Second independent review of the Climate Technology Centre and Network	First periodic assessment referred to in paragraph 69 of decision 1/CP.2
Alignment between processes pertaining to the review of the Climate Technology Centre and Network and the periodic assessment referred to in paragraph 69 of decision 1/CP.21		Review of the constitution of the Advisory Board of the Climate Technology Centre and Network	Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network (for 2020 and 2021): <b>To be referred to SBs</b>
Linkages between the Technology Mechanism and the Financial Mechanism of the Convention.		Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network (for 2020 and 2021): <b>To be referred to SBs</b>	Alignment between processes pertaining to the review of the Climate Technology Centre and Network and the periodic assessment referred to in paragraph 69 of decision 1/CP.21: <b>To be referred to SBI</b>
		Linkages between the Technology Mechanism and the Financial Mechanism of the Convention: <b>To be referred to SBI</b>	

# COP 26 update

- CTCN Exhibition
- *CTCN 2021 Progress Report and Technology Perspectives* publication launches
- Side Events & Meetings:
  - Technology Mechanism (CTCN & TEC)
  - Donor Roundtable
  - Climate Finance for technology deployment (EU, UNEP-DTU)
  - NDE meeting
  - Youth and Technology (CTCN, YOUNGO, U of Michigan)
  - Feasibility studies (CTCN, West African Development Bank)
  - Women, Networks and Technology (CTCN, UK govt, Women & Gender Constituency, Network of African Women Environmentalists)
  - Gender & Technology (CTCN, TEC, UNFCCC, UNEP-DTU)
  - Gender-Just Climate Change Awards (Women & Gender Constituency, German government, PCCB)

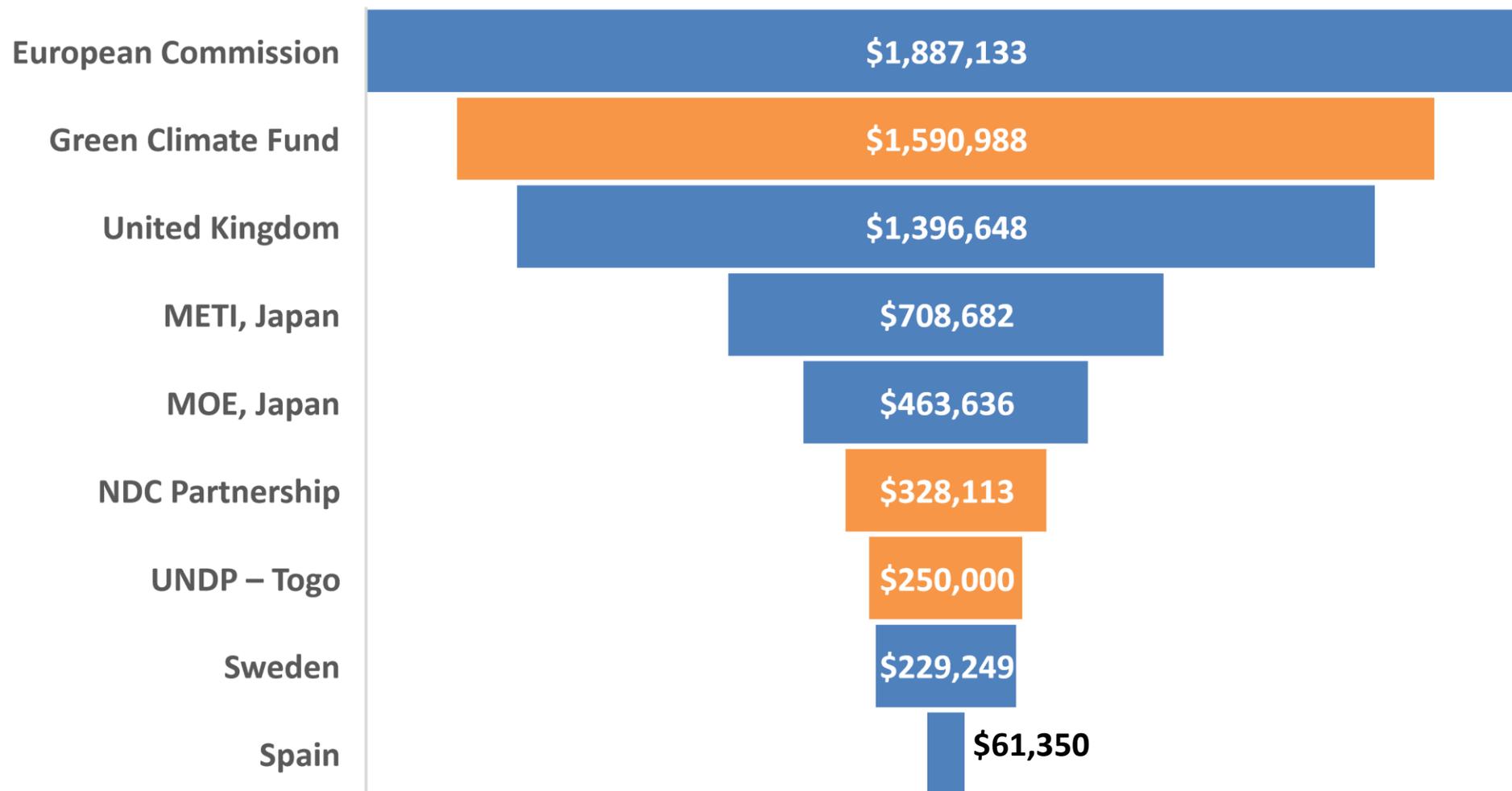
# COVID-19 effects in 2021

- Focus shifted to implementation of technical assistance (away from in-person NDE meetings for example) - 81% of the projected expenses for 2021
  - Relied on local implementing partners – inclusion of provision to include local IPs was key
- Workshops, trainings and knowledge sharing events shifted to online formats – allows for greater participation but not ideal for in-depth engagement
- Developed the practical guidebook “Ensuring a Climate Resilient Recovery after COVID-19”

# Financial Update

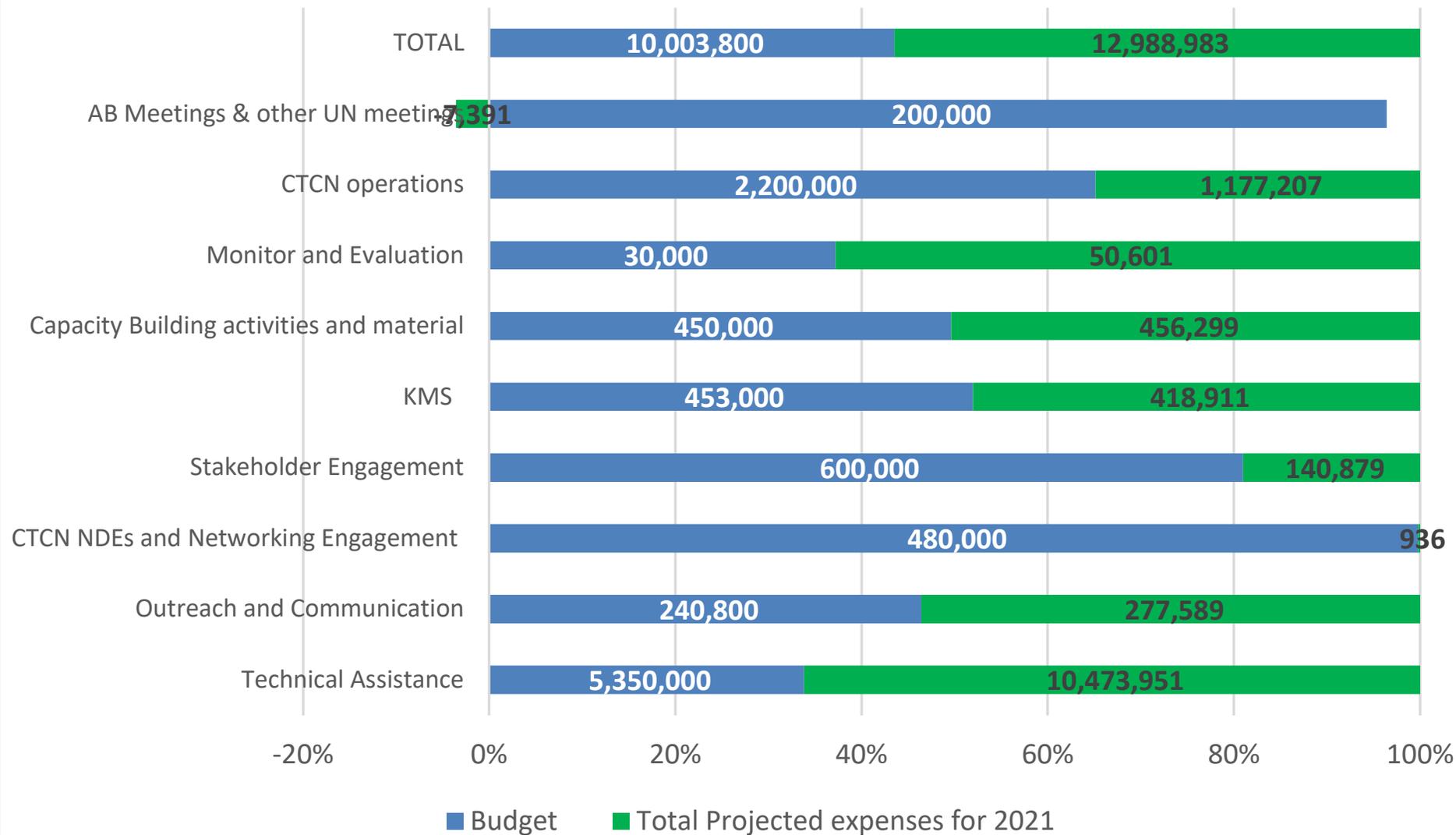
# Financial Brief- Income and Expenditure 2021

## Cash Receipts as on 31 July 2021

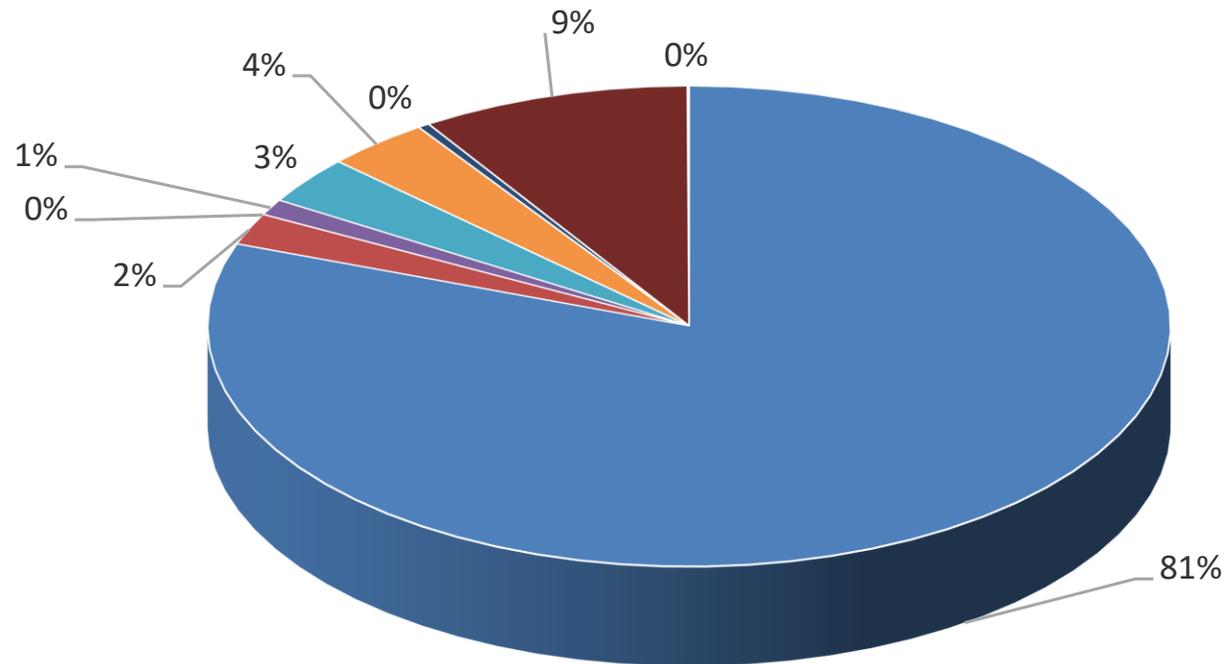


# Financial Brief- Income and Expenditure 2021 cont.

## 2021 Approved Budget and Projected Expenses



## 2021 Projected Expenditure (%)

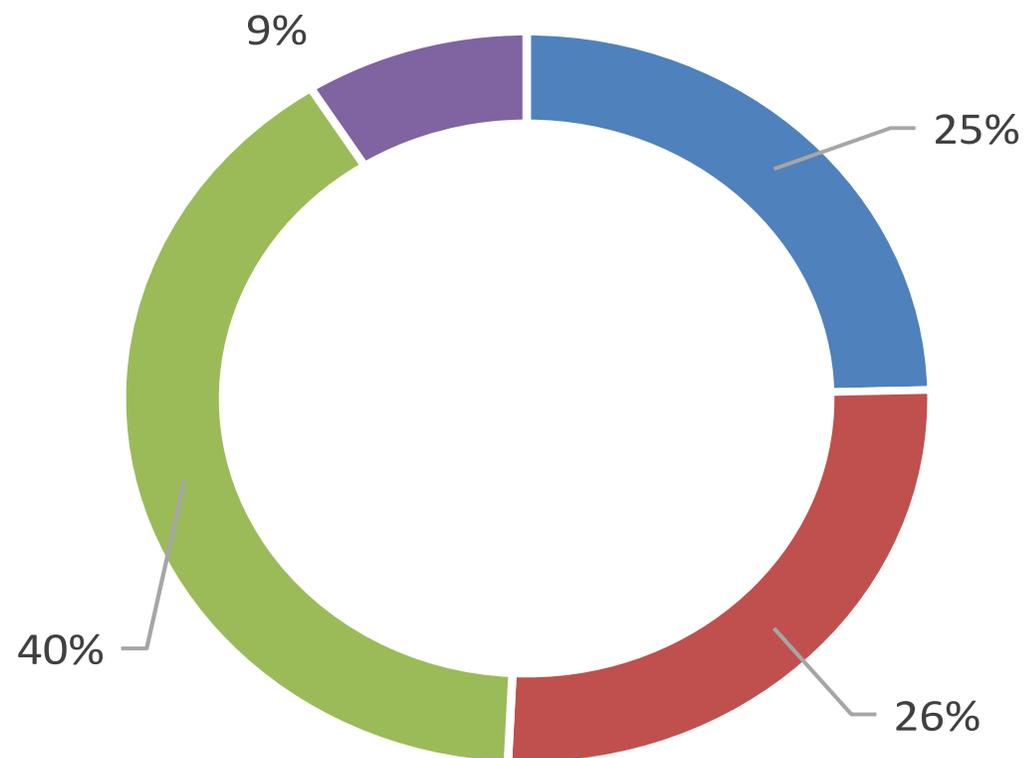


- Technical Assistance
- Outreach and Communication
- CTGN NDEs and Networking Engagement
- Stakeholder Engagement
- KMS
- Capacity Building activities and material
- Monitor and Evaluation
- CTGN operations
- AB Meetings and other UN meetings

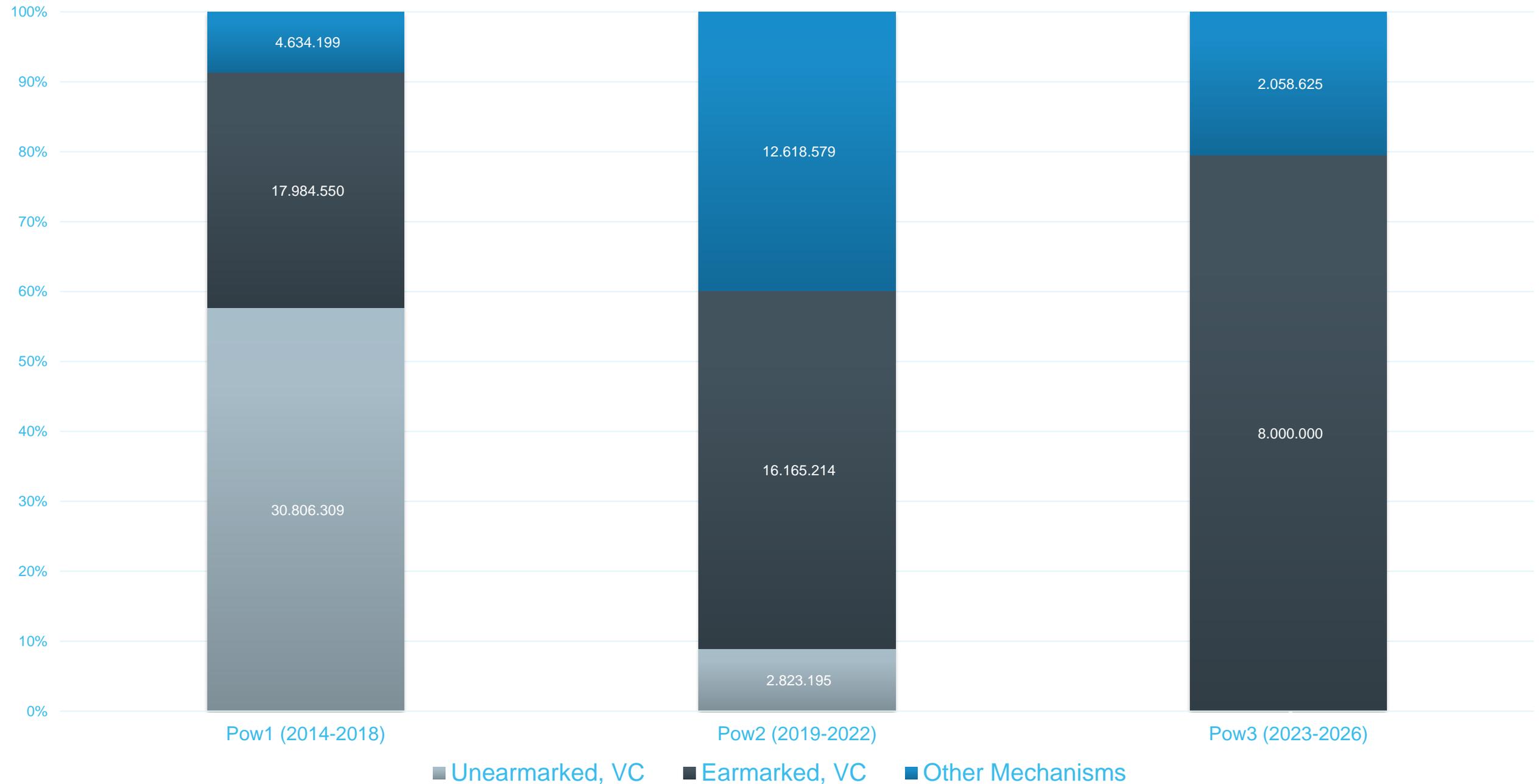
# Financial Brief- Projections 2022

## Projected Fund Balance, 2022

- Unearmarked
- Financial Mechanisms
- Approved Budget
- Earmarked - Mitigation

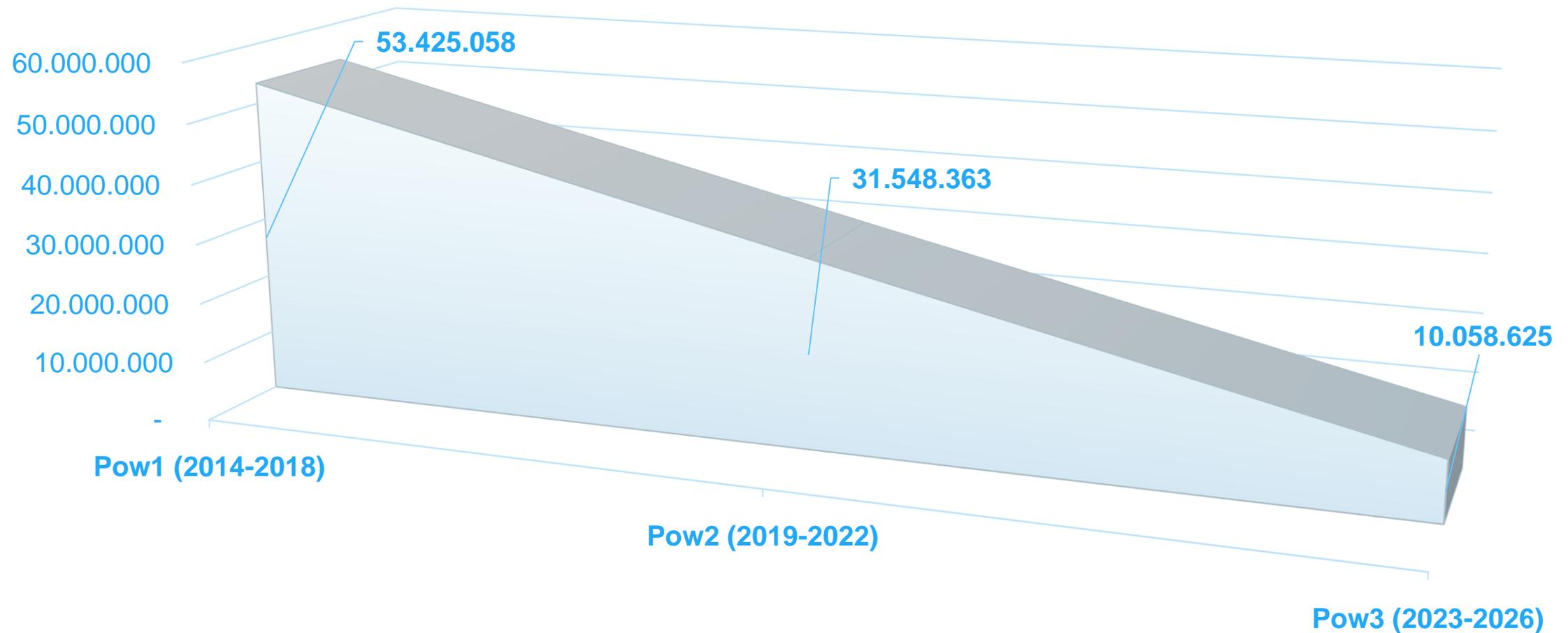


# Funding Trend during different Phases of CTCN PoW

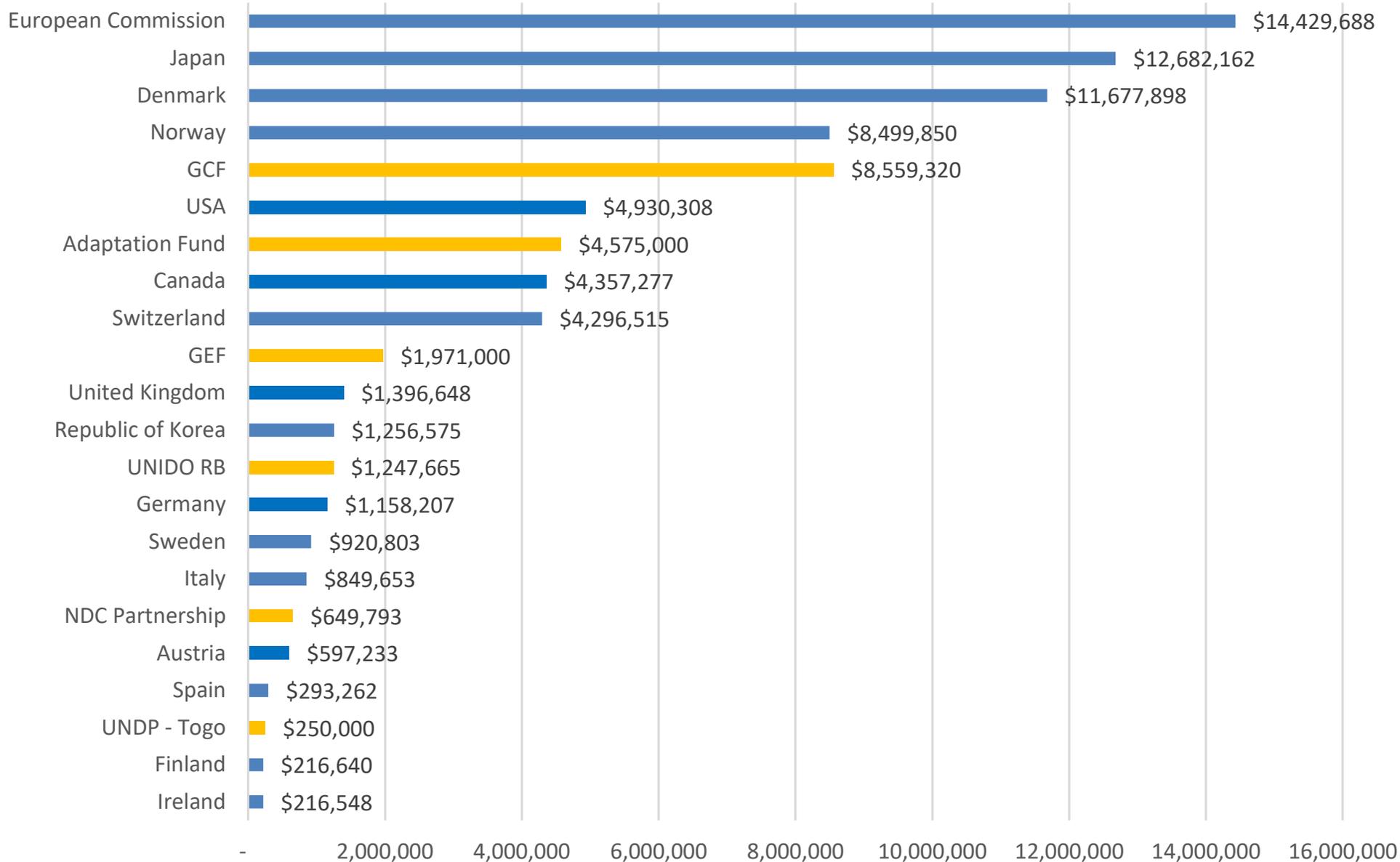


# Programme implementation and Financing

Total Secured Income, todate

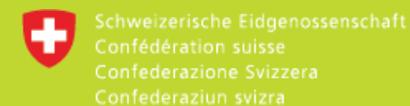


# CTCN, Total Secured Contribution to date (\$ 85,032,046)





## Supported by



Swiss Confederation

Federal Department of Economic Affairs,  
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