



CTCN

CLIMATE TECHNOLOGY CENTRE & NETWORK
UNFCCC Technology Mechanism

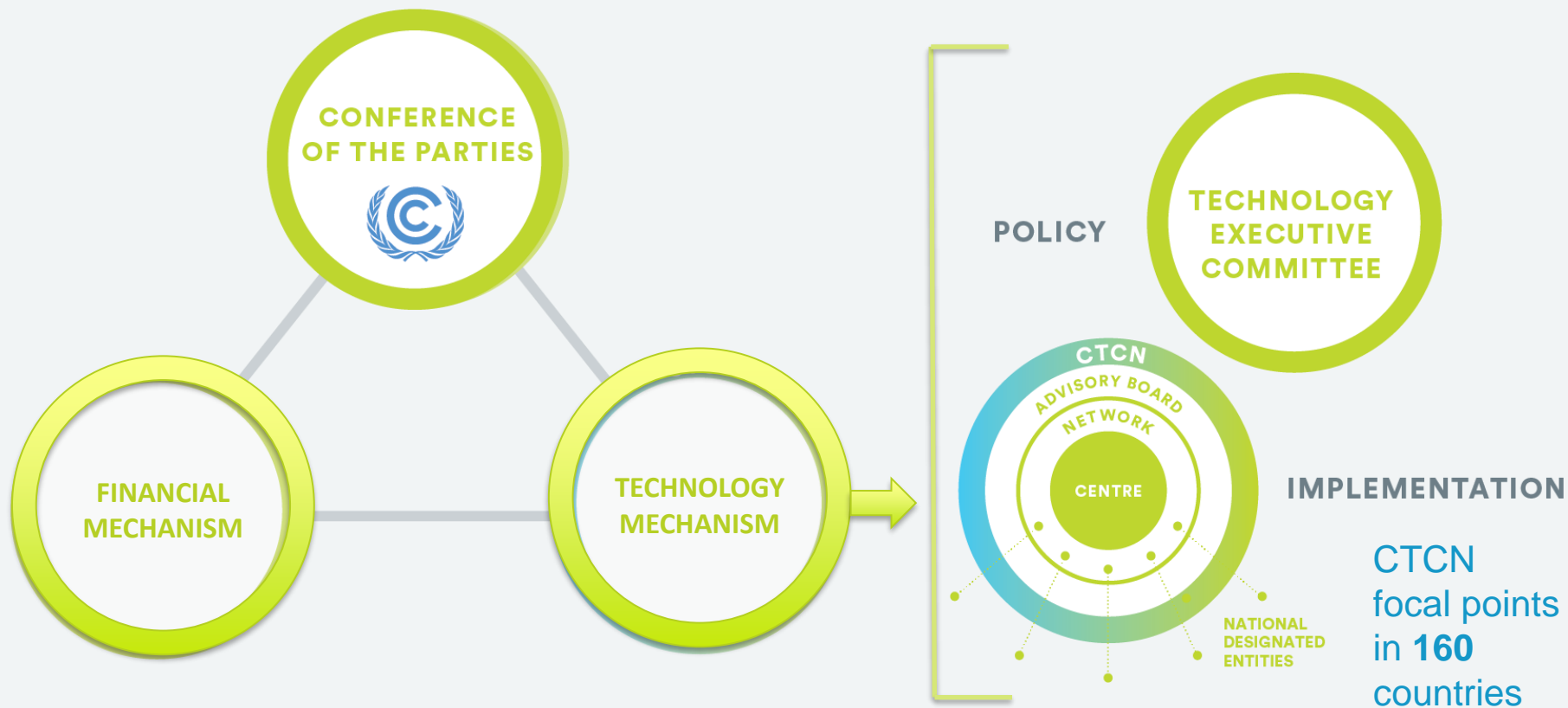


Support of the Climate Technology Centre and Network for technologies and practices related to agriculture

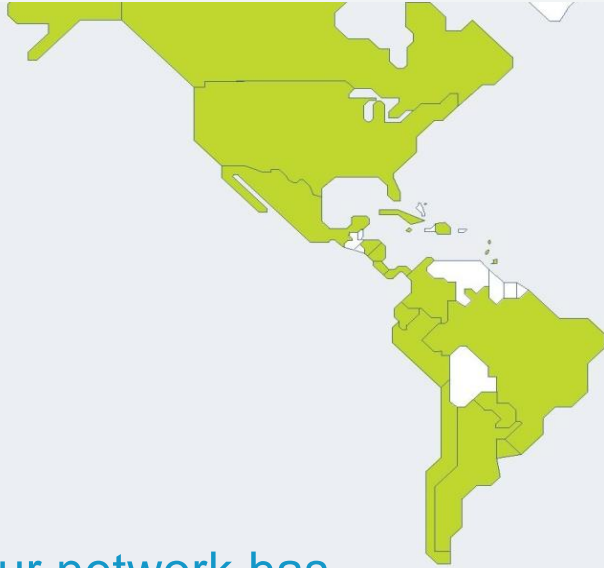
Maia Tskhvaradze, Chair, CTCN Advisory Board
First workshop of the Koronivia road map
3 December 2018, Katowice, Poland



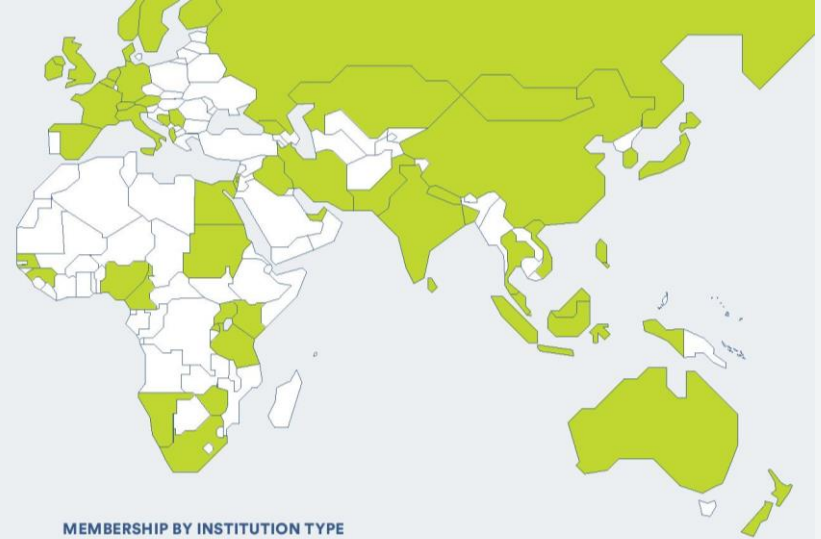
The CTCN: Operational Arm of the Technology Mechanism



The CTCN Network



Our network has
463 members in **80** countries
including **106** with specific
expertise on agriculture



MEMBERSHIP BY INSTITUTION TYPE



43,5 %
Private Sector
Organization



23 %
Research/Academic
Institution



20,8 %
Non-Profit/NGO



7,6 %
Public Sector Organization



2,6 %
Intergovernmental/
Regional Organization



1,9 %
Partnership/Initiative



0,5 %
Financial Institution

CTCN Core Sectors of Action



**REDUCE GHG
EMISSIONS**

↓ **MITIGATION**

Agriculture
Energy Supply
Forestry
Industry
Transport
Waste Management

SERVICE 1
Technical Assistance

SERVICE 2
Knowledge Sharing

SERVICE 3
Collaboration & Networking



**STRENGTHEN
CLIMATE
RESILIENCE**

↻ **ADAPTATION**

Agriculture & Forestry
Coastal Zones
Early Warning & Environmental Assessment
Human Health
Infrastructure, Transport & Urban Design
Marine & Fisheries
Water

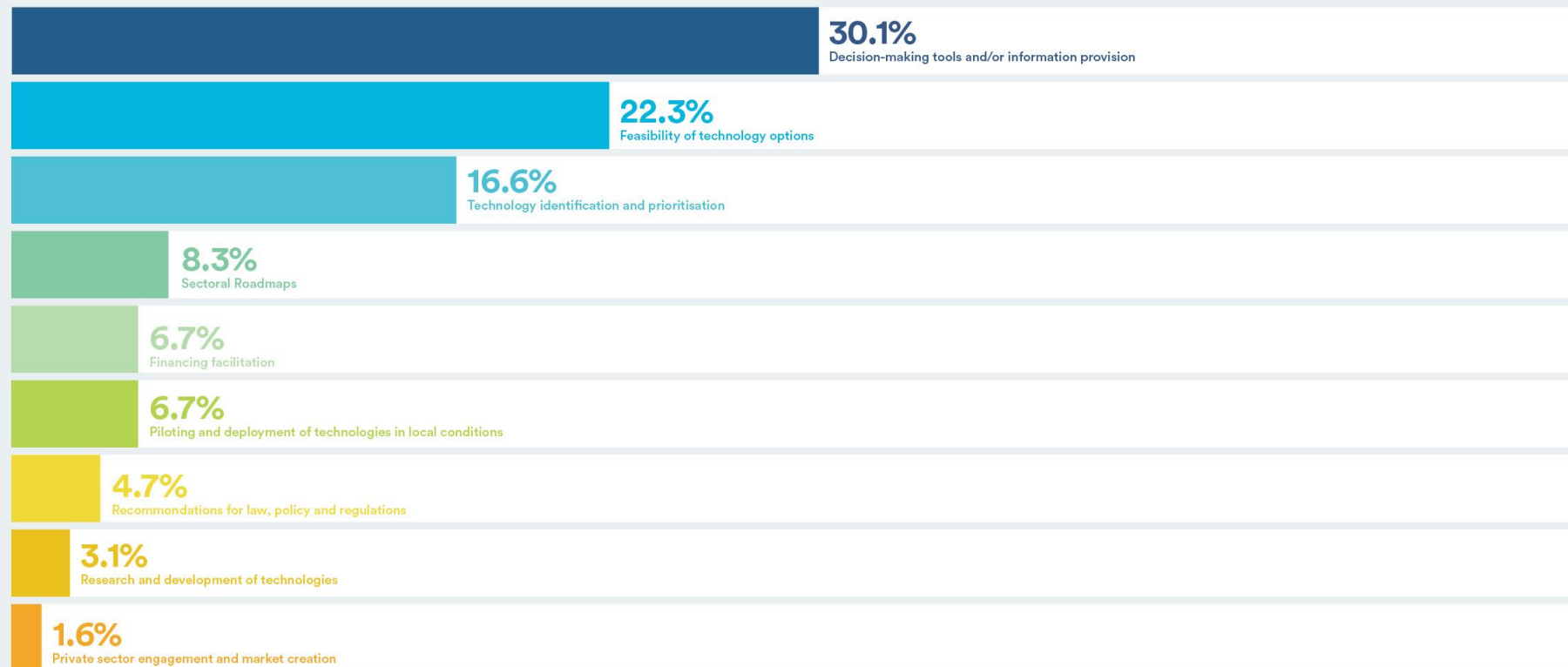
“The CTCN can accurately find the right experts, help to develop technology options, remove the barriers and also identify financial partners to implement technologies in countries.”

MR. ISSAKHA YOUNG
CENTRE D'ETUDES ET DE RECHERCHES SUR LES
ENERGIES RENOUVELABLES, SENEGAL (CTCN NDI)

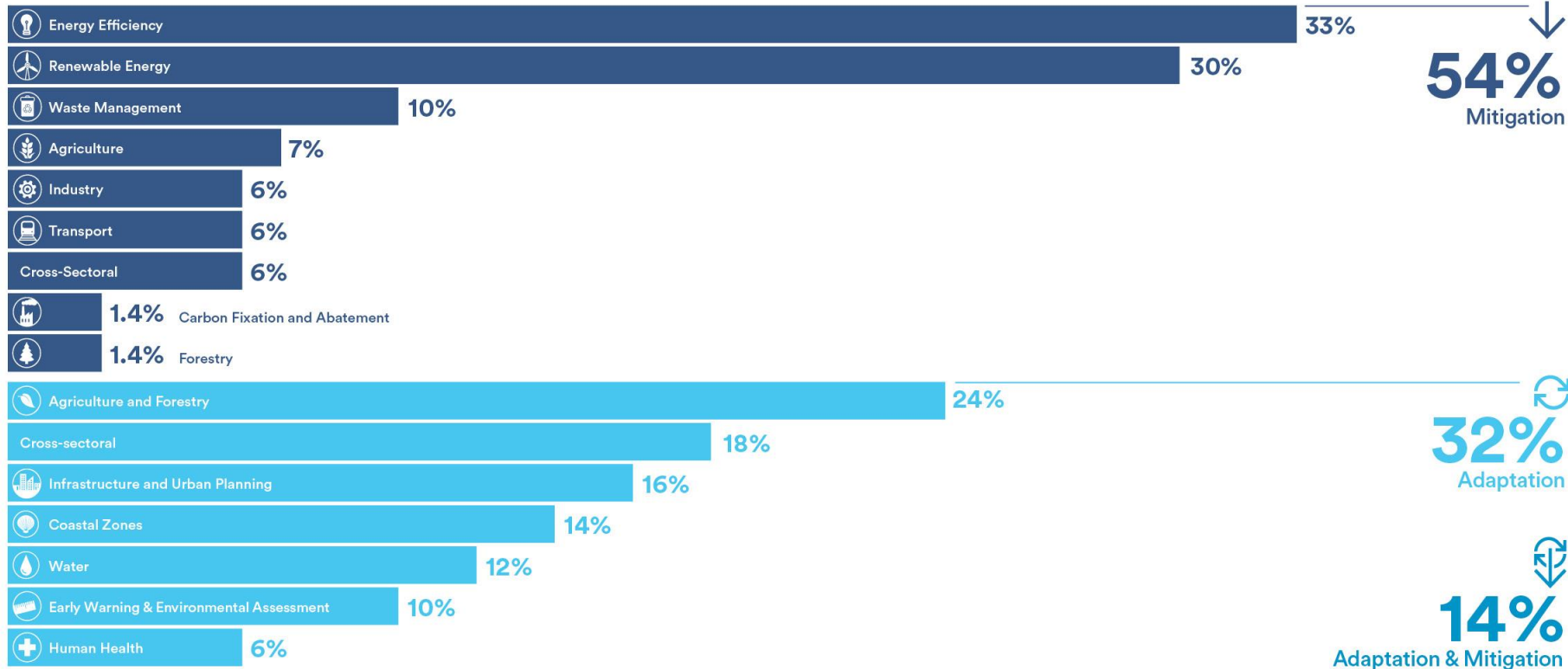


1. **Fast Technical Assistance:** international expert advice (remotely or through brief in-country missions)
2. **Technical Assistance:** 6-12 months, provided by Consortium and Network members, worth < USD 250,000
3. **Technical Assistance through GCF Readiness:** Country support to access GCF readiness funds (Max. \$1M/country/year.)

Distribution of Technical Assistance Requests by Type of Assistance



Distribution of Technical Assistance Requests by Sector



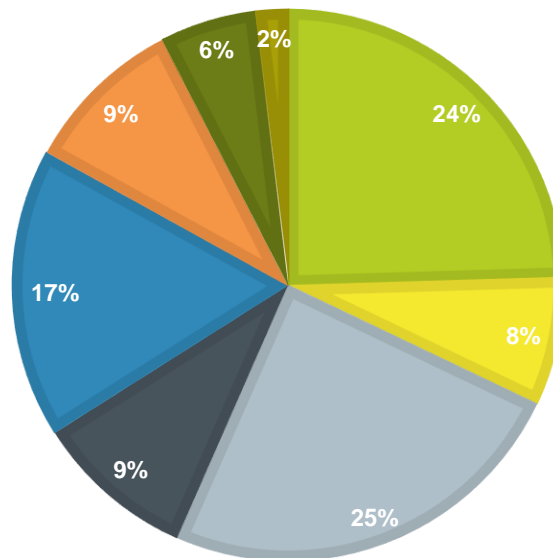


Technical Assistance related to Agriculture



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CLIMATE TECHNOLOGY
CENTRE & NETWORK

- Sustainable Agriculture
- Agro-meteorology and early warning
- Agricultural waste to energy
- Compost
- Agro-forestry
- Water use for agriculture
- Low carbon agriculture practices
- Low carbon energy for agriculture



CTCN Capacity Building related to Agriculture

Recorded webinars



CTCN/Viresco Solutions webinar:
Agricultural Carbon Markets - Building
the Biological Bridge



CTCN/UNU-INWEH webinar:
Wastewater management in developing
countries

- Organization and facilitation of webinars, including on agriculture-related topics
- Incubator programme for Least Developed Countries and Small Island Developing States to develop technology roadmaps (i.e. Conservation agriculture roadmap)
- ‘Vision to Concept’ programme to support access to the Green Climate Fund, including concepts related to agriculture
- Training on technologies to enhance and monitor terrestrial sequestration of carbon

Learning and Knowledge Sharing

Agriculture and forestry



Although being a vital sector, agriculture contributes significantly to climate change through greenhouse gas emissions. At the same time, agriculture is highly exposed to climate change, as farming activities directly depend on climatic conditions. Climate change also increases forest disturbances and occurrence of invasive species. CTCN brings together stakeholders to provide technical assistance to mitigate and adapt to these change, through a combination of well-established and innovative technologies. Below you will find related publications, partners, CTCN technical assistance, technologies and other information for exploring this topic further.

Agriculture and forestry



Identification of climate adaptation technologies with rural communities

Type: Technical Assistance Date of submission: Friday 29 August 2014
Phase: Completed Countries: Mali Objective: Adaptation
Sectors: Agriculture and forestry
Cross-sectoral enabler: Communication and awareness
Approach: Community based, Endogenous technologies

Nationally Determined Contribution to "Address the climate change challenges relevant to agriculture" and "Implement a technological action plan for adaptation and mitigation, as well as mobilization of local authorities, communities and vulnerable groups, to increase their resilience to climate change by 2020".

Filter by content type:

- ☐ Publication (890)
- ☐ National Plan (329)
- ☐ Organisation (79)
- ☐ Product (34)
- ☐ Technology (28)
- ☐ News (20)
- ☐ Webinar (15)
- ☐ Technical Assistance (12)

- Open to the public and accessible anytime at www.ctc-n.org
- Tutorials on a broad range of technology sectors related to climate mitigation and adaptation strategies
- 10,000 publications, case studies, tools and videos
- 2,105 climate technology solutions
- 1,620 National Plans (TNAs, NDCs, NAPs etc.)



Summary

- The CTCN directly supports developing country climate priorities related to agriculture, covering a wide range of topics and types of assistance
- Capacity building is integrated in all CTCN technical assistance to ensure sustainability of agriculture and food systems
- Work is implemented by our large network of expert organizations worldwide, in collaboration with national partners and experts, as well as with the Financial Mechanism of the UNFCCC
- Knowledge-sharing is key to enable learning and possible replication across countries
- Agriculture can be supported in an integrated manner, and is closely linked to multiple SDGs



Opportunities and Looking Forward

- Feeding 2m additional people in 2050 requires large-scale transformation of food and agricultural systems as well as broad adoption of climate technologies for agriculture
- CTCN can support by:
 - Enhancing agricultural and rural development by identifying appropriate technology-neutral approaches that make agriculture more resilient and climate-friendly;
 - Focusing on conceptualization, design, development, evaluation and application of innovative ways to use the full range of technologies (ICT, RSGIS, green/grey, WTE, water saving tech, etc...) in the rural domain, with a primary focus on agriculture;
 - Helping to share best-practice, remove barriers and create enabling environments;
 - Focusing on national priorities (NDC/NAP/TNA) and de-risking investment;
 - Partnering with development partners to scale up promising initiatives.



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UN
environment



Norwegian Ministry
of Foreign Affairs



UDENRIGSMINISTERIET
DANIDA



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Supported by:



Comtehoob, Pöbel egus Riates Añditi
Environment, Community and Local Government



Ministry of Science and ICT



Government Offices of Sweden
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Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO