



**Adaptation Committee side event:  
Technical support under the Convention –  
Climate Technology Centre and Network  
(CTCN)**

[www.ctc-n.org](http://www.ctc-n.org)  
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## CTCN: Responding to Developing Country technology needs

- UNFCCC Technology Mechanism created in 2009 with Copenhagen Agreement
- Technology Executive Committee and Climate Technology Centre and Network elaborated in 2010 at COP16
- CTCN: Climate technology transfer and development in service of developing country priorities
  - Hosted by UNEP, with support of UNIDO and 12 Consortium Partners
  - 160+ Network members
  - Assistance at request of developing countries to provide information, capacity building, technical expertise tailored to national context
  - Based in Copenhagen, began operations in 2015

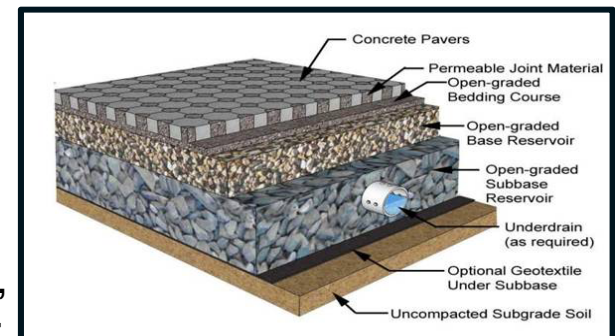
# What is “Adaptation Technology”?

**“Any equipment, techniques, practical knowledge and skills needed for reducing greenhouse gas emissions and adapting to climate change” (Special Report on Technology Transfer, IPCC, 2000a)**

- Hardware, software and ‘orgware’
- Traditional, modern, high tech

Given it’s a broad definition, CTCN organises its services by:

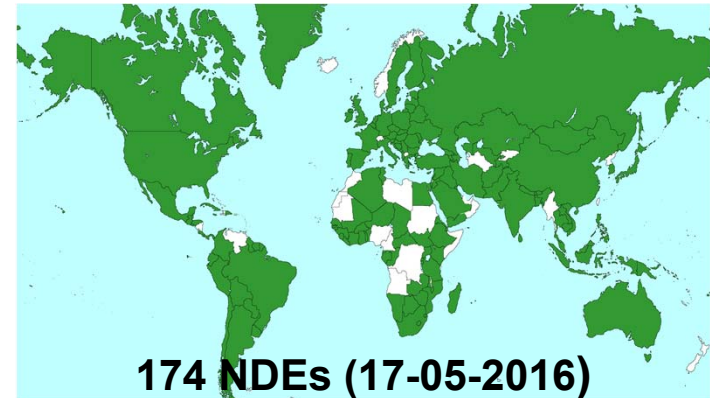
- I. 7 Adaptation and 7 Mitigation Sectors
- II. 4 Enabling Environment issues: governance and planning, financial decision making, communication and awareness:
- III. 3 Design Approaches: ecosystem-based, community-based, gender)





## 1. Technical Assistance

- ✦ 104 Requests from 60+ countries
- ✦ Upon request by NDE
- ✦ Implemented by Consortium and Network
- ✦ Significant demand for enabling conditions
- ✦ LDC Technical Assistance Incubator support, expanding to SIDS

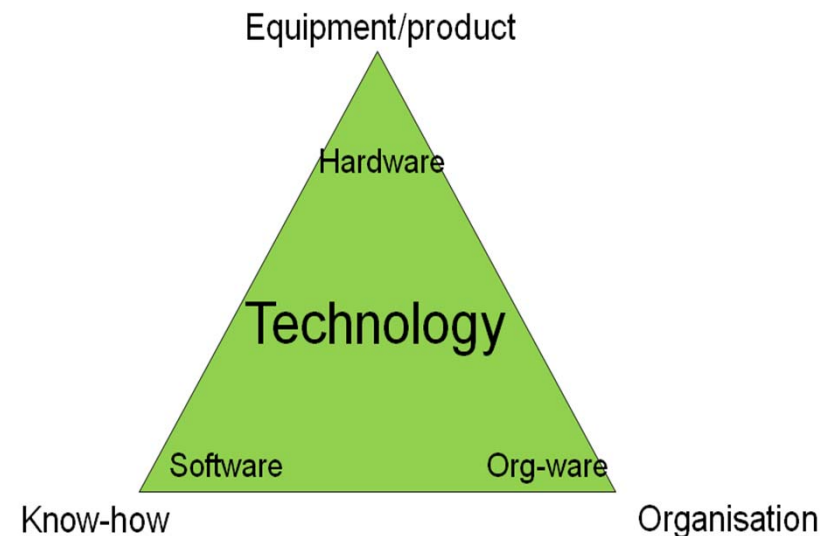


## 2. Capacity Building

- ✦ Regional Forums linking country focal points, private sector, GCF and MDBs

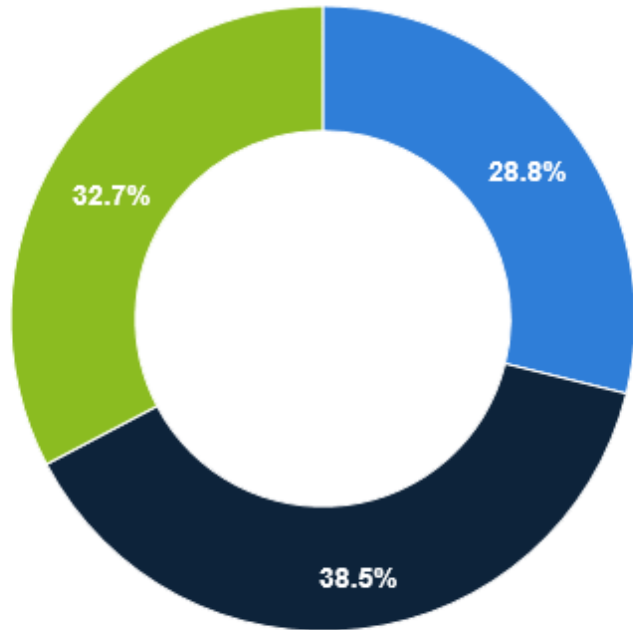
## 3. Knowledge Management + Networking

- ✦ Webinars and information portal



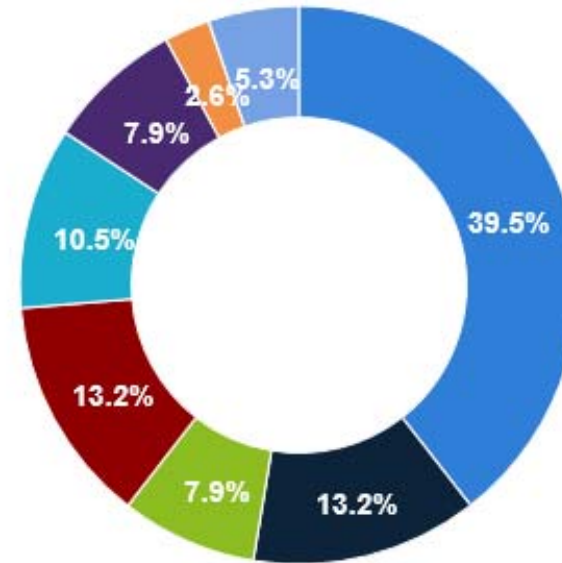
# Distribution of CTCN Technical Assistance Adaptation oriented Requests:

**Adaptation/Mitigation/Both:**



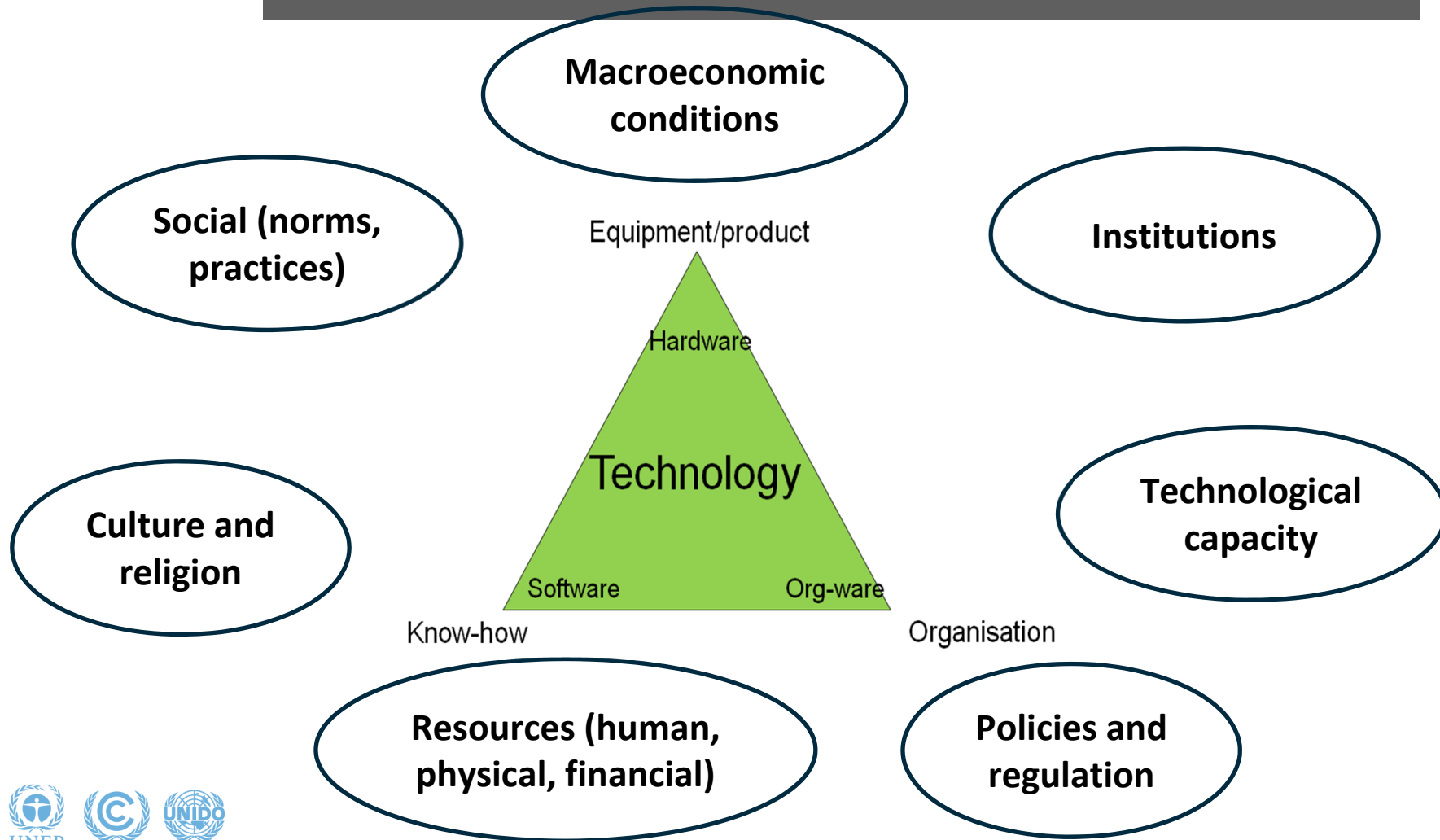
■ Adaption ■ Mitigation ■ Adaption and mitigation

**Adaptation Sectors:**



■ Agriculture and forestry ■ Cross-sectoral  
 ■ Infrastructure, Transport and Urban design ■ Water  
 ■ Early Warning and Environmental Assessment ■ Coastal zones  
 ■ Marine and Fisheries ■ Human Health

# CTCN: Essential enabling conditions for adaptation technology – potential gaps



# CTCN Adaptation Technical Assistance

Countries	Sectors	Title	Date of submission
<b>Afghanistan</b>	Cross-sectoral	Technical support and advise for the identification of technology needs in Afghanistan	Sunday 4 May 2014
<b>Benin</b>	Agriculture and forestry	Establishment of a sustainable system for the collection and dissemination of agro-meteorological information for producers to adapt to the adverse effects of climate change	Friday 20 November 2015
<b>Chile</b>	Agriculture and forestry	Design of Biodiversity Monitoring Network in the context of Climate Change	Friday 21 February 2014
<b>Colombia</b>	Cross-sectoral	National Adaptation Monitoring System for Colombia	Tuesday 18 March 2014
<b>Congo</b>	Human Health	Feasibility study for setting up a watch observatory for health and environmental risks	Friday 25 March 2016
<b>Costa Rica</b>	Agriculture and forestry	Knowledge Management System in Tropical Forest Management and Ecosystem Services as a valuable tool for Adaptation and Mitigation: "The Costa Rica Green Hub".	Saturday 13 February 2016
<b>Costa Rica</b>	Cross-sectoral	Development of a National Metrics System for Climate Change (SINAMECC)	Friday 18 December 2015
<b>Costa Rica</b>	Cross-sectoral	Development of a protocol for the planning, management and implementation of adaptation measures in land use planning at the level of Local Governments	Friday 18 December 2015
<b>Côte d'Ivoire</b>	Cross-sectoral	Establishment of an Environmental Information System (EIS) capable of guiding the choice of a good policy for sustainable development and promote optimal management of climate change issues	Friday 29 August 2014
<b>Dominican Republic</b>	Cross-sectoral	Technical support in the formulation of the project "Cordillera Central Biological Corridor-Los Haitises"	Friday 1 April 2016
<b>Dominican Republic</b>	Early Warning and Environmental Assessment	A Community based early Warning System in every pocket from Santo Domingo, D.N.	Monday 19 January 2015
<b>Ecuador</b>	Agriculture and forestry	Design and scale-up of climate resilient waste management and energy capture technologies in small and medium livestock farms	Tuesday 29 September 2015
<b>Gambia</b>	Agriculture and forestry	Community Base Livelihood Improvement Program	Tuesday 10 May 2016
<b>Ghana</b>	Early Warning and Environmental Assessment	Early drought warning and forecasting considering climate change and climate variability	Monday 1 February 2016



# CTCN Adaptation Technical Assistance (continued)

<b>Guinea</b>	<b>Agriculture and forestry</b>	<b>Amélioration de la résilience des communautés au changement climatique par la promotion de la Gestion de l'Irrigation à Petite Echelle (GIPE) en Haute Guinée</b>	<b>Monday 14 March 2016</b>
<b>Guinea</b>	Water	Technical and financial assistance to the preparation of Guinea's National Water Policy document	Monday 7 December 2015
<b>Guinea</b>	Cross-sectoral	Optimising Guinea's access to climate change adaptation funding	Friday 26 June 2015
<b>Guinea-Bissau, Mali, Niger</b>	Agriculture and forestry	Capacity Building in Ecosystem-based Methods and Green Infrastructure for Sustainable Agriculture Intensification and Disaster Risk Management	Tuesday 31 March 2015
<b>Honduras</b>	Cross-sectoral	Design of a national framework of climate change related indicators	Thursday 21 April 2016
<b>Indonesia</b>	Infrastructure, Transport and Urban design	Integrated River and Coastal Management toward Sustainable Giant Sea Wall Technology Jakarta	Thursday 5 February 2015
<b>Jordan</b>	Cross-sectoral	Capacity Building in Prepare Project Proposal to access Funding	Tuesday 19 January 2016
<b>Kenya</b>	Water	Research on low cost green technologies for sustainable water service delivery	Wednesday 18 November 2015
<b>Laos</b>	Cross-sectoral	City Climate Vulnerability Assessment and Identification of Ecosystem-based Adaptation Intervention	Wednesday 6 April 2016
<b>Madagascar</b>	Cross-sectoral	Creating a technology development and education centre for climate change	Tuesday 28 July 2015
<b>Mali</b>	Agriculture and forestry	Study of technical and economic feasibility to remove barriers to the implementation of drying and storage technologies for okra, mango and potatoes to support food security	Friday 24 April 2015
<b>Mali</b>	Agriculture and forestry	Strengthening of the implementation of climate change adaptation and clean development actions by rural communities in Mali	Friday 29 August 2014
<b>Mauritius</b>	Coastal zones	Climate Change Vulnerability and Adaptation Study for the Port of Port Louis	Wednesday 24 February 2016
<b>Mauritius</b>	Coastal zones	Identification, Characterization and exploitation of Potential Offshore Sand Banks/Deposits	Thursday 28 January 2016
<b>Namibia</b>	Water	Transformative water harvesting plan for Namibia	Monday 6 October 2014





# CTCN Adaptation Technical Assistance (continued)

<b>Nepal</b>	<b>Agriculture and forestry</b>	<b>Technical support to formulate a National Agroforestry Policy for Nepal</b>	<b>Monday 9 May 2016</b>
<b>Pakistan</b>	Cross-sectoral	Technology Guidance and Support for Conducting the Technology Needs Assessment (TNA)	Friday 26 September 2014
<b>Peru</b>	Marine and Fisheries	Technical assistance and capacity building for the development of a climate change strategy for the sector of fisheries and aquaculture - Peru	Thursday 10 March 2016
<b>Peru</b>	Agriculture and forestry	Development of a methodological framework for incorporating ecosystem-based adaptation in the process of planning and management of protected areas in Peru	Thursday 10 March 2016
<b>Peru</b>	Water	Water planting and harvesting as alternative technology for capturing and storing water in high mountain areas in the Puno region	Thursday 10 March 2016
<b>South Africa</b>	Cross-sectoral	The Development of Technology Needs Assessment at Subnational Level	Wednesday 13 January 2016
<b>Syria</b>	Agriculture and forestry	Determination of Technological Needs to Face Obstacles of Wheat Growing Related to Climate Change in Syria	Wednesday 1 July 2015
<b>Tanzania</b>	Agriculture and forestry	Enabling community of Pwani, Lindi and Mtwara access efficient and low emission biomass stoves for the household and institutional cooking	Wednesday 25 November 2015
<b>Thailand</b>	Early Warning and Environmental Assessment	Urban Flood – Early Warning System	Friday 29 January 2016
<b>Thailand</b>	Early Warning and Environmental Assessment	High resolution regional climate model projections for Thailand	Monday 30 November 2015
<b>Thailand</b>	Agriculture and forestry	Capacity Building on Technology Development for Efficient Use of Resources in Agriculture Sector	Monday 30 November 2015
<b>Uruguay</b>	Coastal zones	Development of technology tools for the assessment of impacts, vulnerability and adaptation to climate change in the coastal zones of Uruguay	Wednesday 25 November 2015
<b>Zimbabwe</b>	Agriculture and forestry	Developing a Climate-Smart Agriculture Manual for Agriculture Education in Zimbabwe	Friday 27 November 2015



# Thank you



CLIMATE TECHNOLOGY CENTRE & NETWORK

 Norwegian Ministry  
of Foreign Affairs



UDENRIGSMINISTERIET  
**DANIDA**

Canada



 環境省  
Ministry of the Environment



  
Comhshaol, Pobal agus Rialtas Áitiúil  
Environment, Community and Local Government

Governments of Switzerland  
and Germany

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