

A photograph of a man and a woman crouching by a water tap in a field. The man is wearing a striped shirt and a white turban, and the woman is wearing a pink and blue patterned sari. They are both smiling and looking at the water. In the background, there are several large solar panels mounted on a structure, and a greenhouse is visible. The sky is blue with some light clouds.

Role of the Technology Needs Assessments in the Nationally Determined Contributions

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What are the Technology Needs Assessments?

- climate technology pathways for implementing the Paris Agreement

TNAs are a set of activities that identify and analyse mitigation and adaptation technology priorities of developing countries

- **country driven, implemented by national TNA teams**
- **stakeholder involvement**
- **capacity building**
- **align with national development objectives**
- **explore synergies with other national processes, strive towards implementation of NDCs**

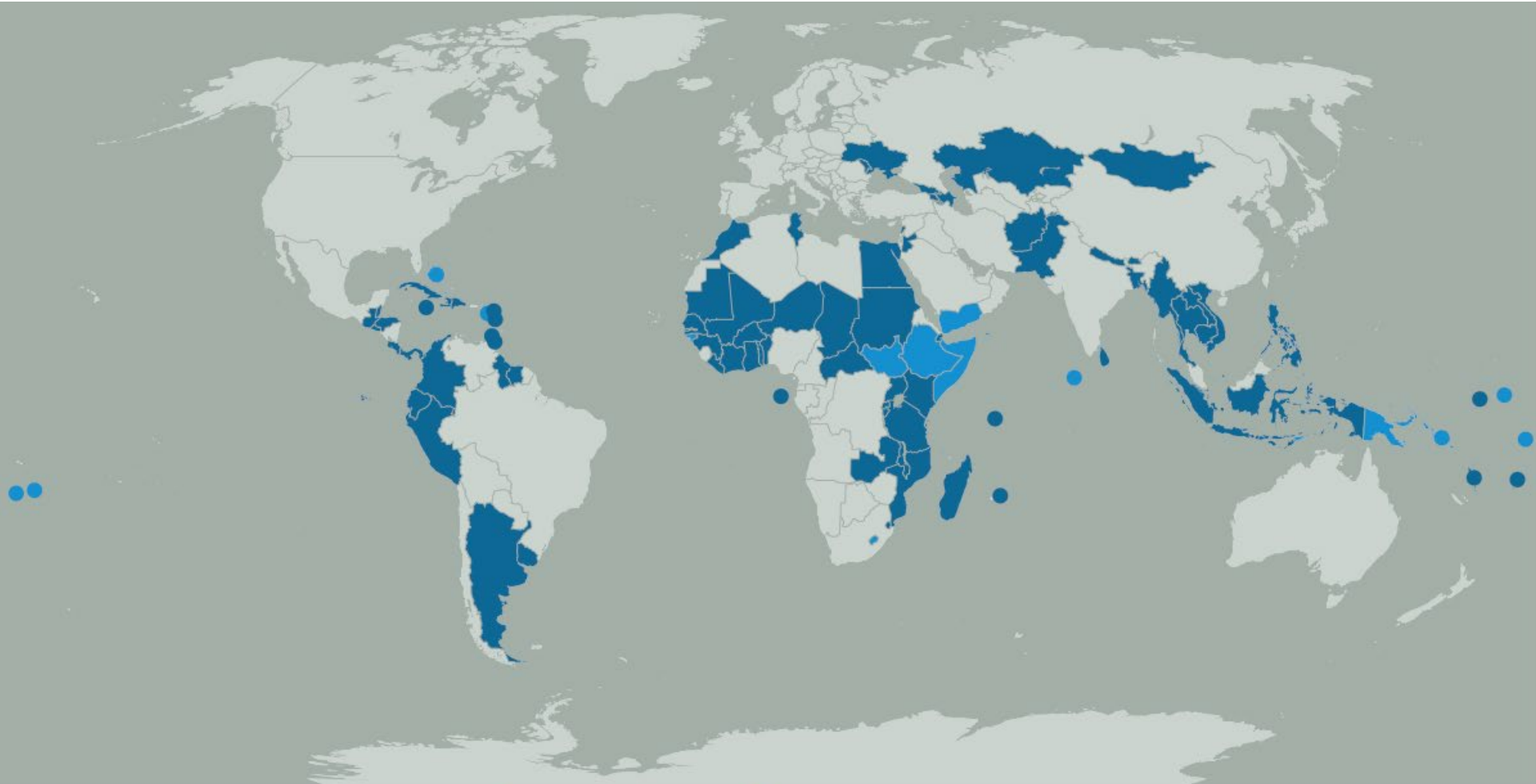
➤ *Funded by the Global Environment Facility,
implemented by UN Environment through
UNEP DTU Partnership*

Capacity building for each step of the process



- National, regional and global capacity building workshops
- Regional centres of excellence
- Technical support missions
- Guidebooks, sectors and methodologies
- Help desk

Technology Needs Assessment - countries

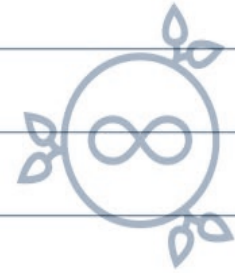
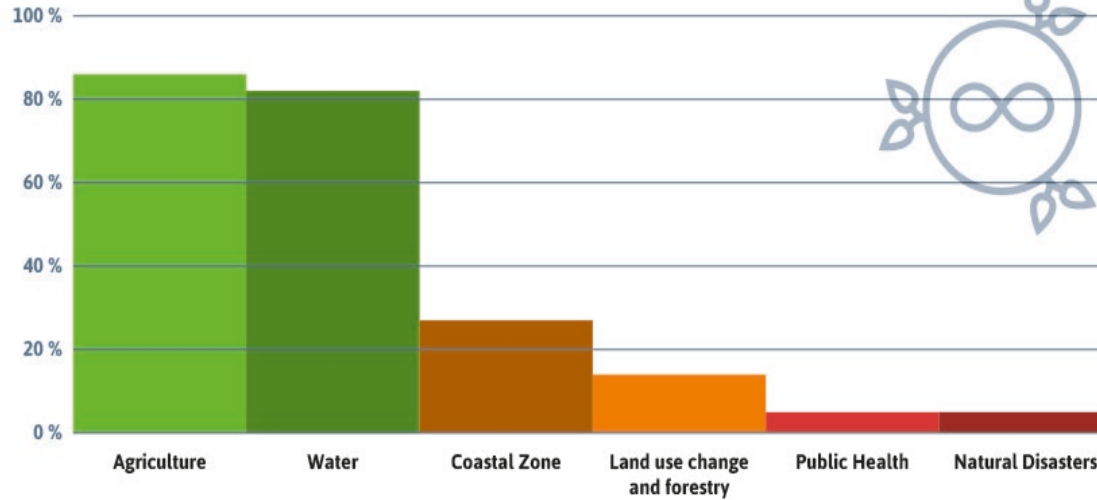


 TNA Countries

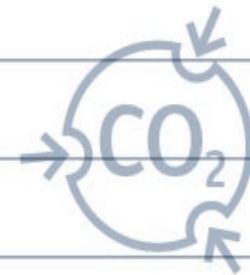
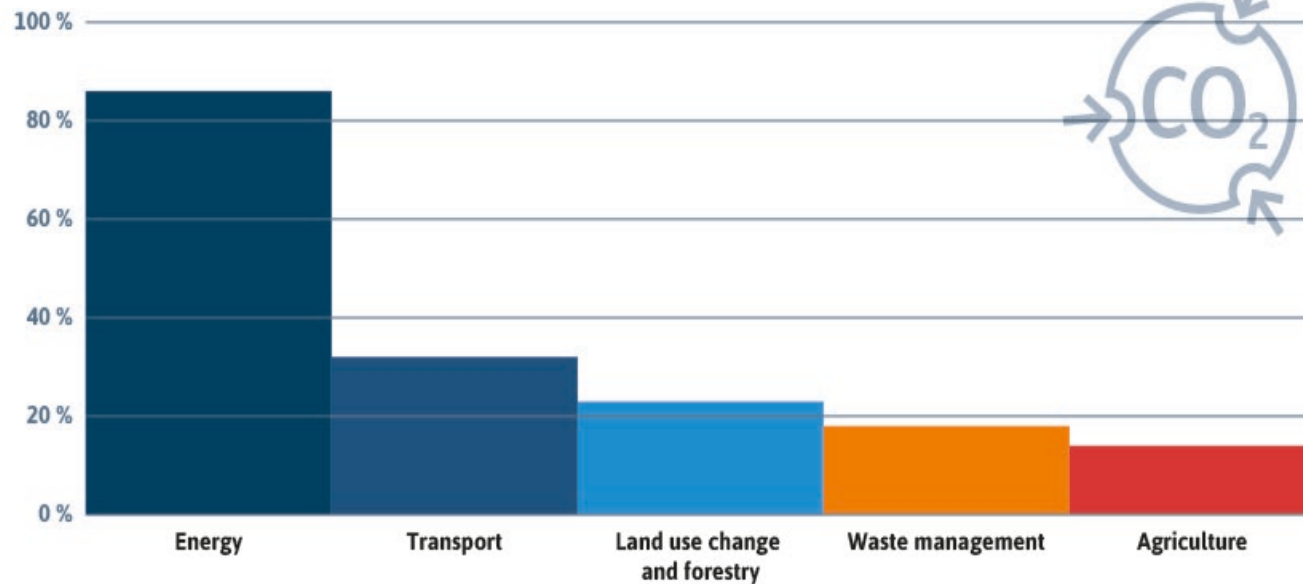
 Forthcoming TNA countries

Priority sectors, TNAs 2015-2018

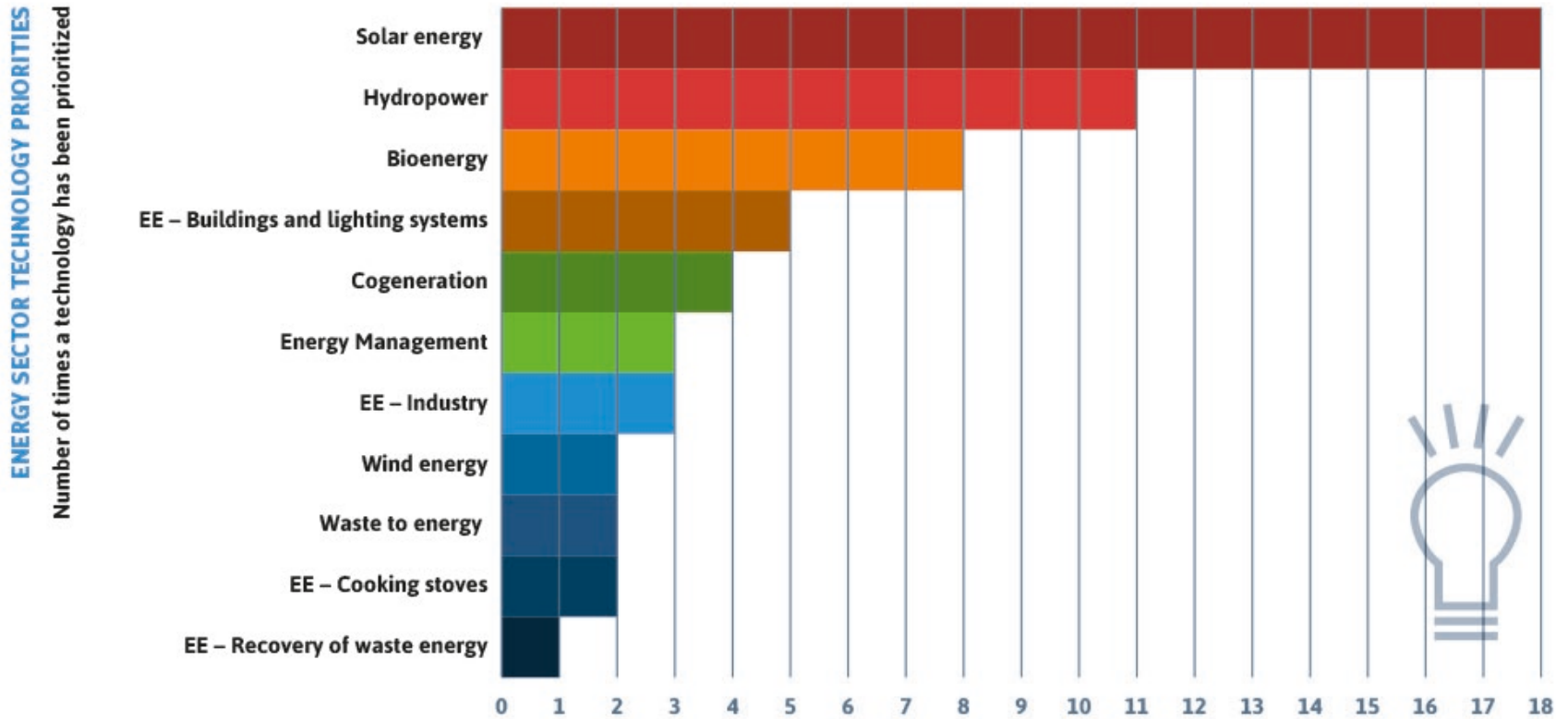
PRIORITIZED SECTORS FOR ADAPTATION
Percentage of countries



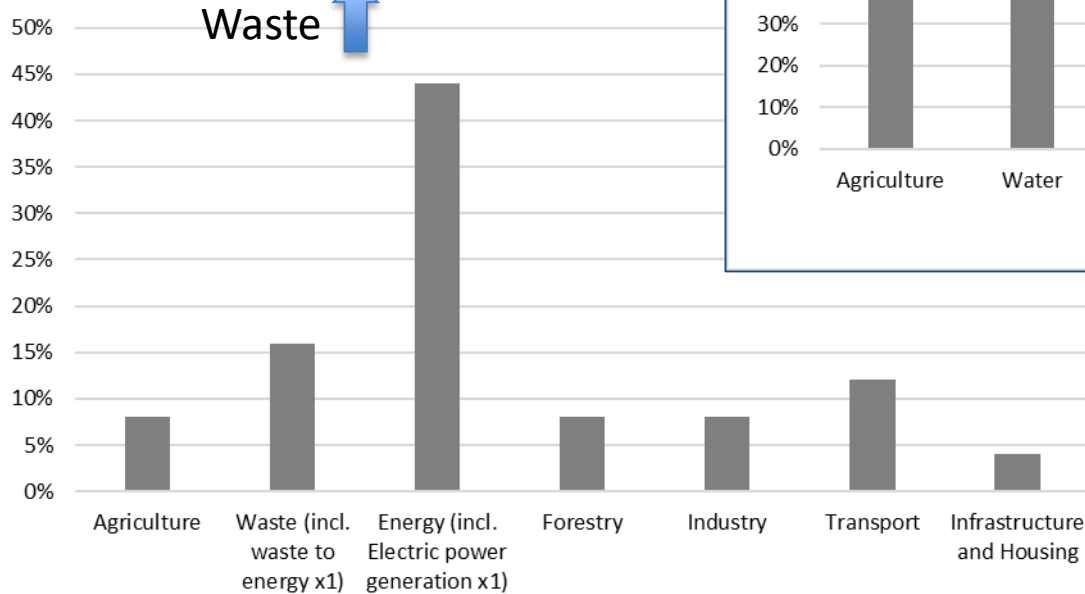
PRIORITIZED SECTORS FOR MITIGATION
Percentage of countries



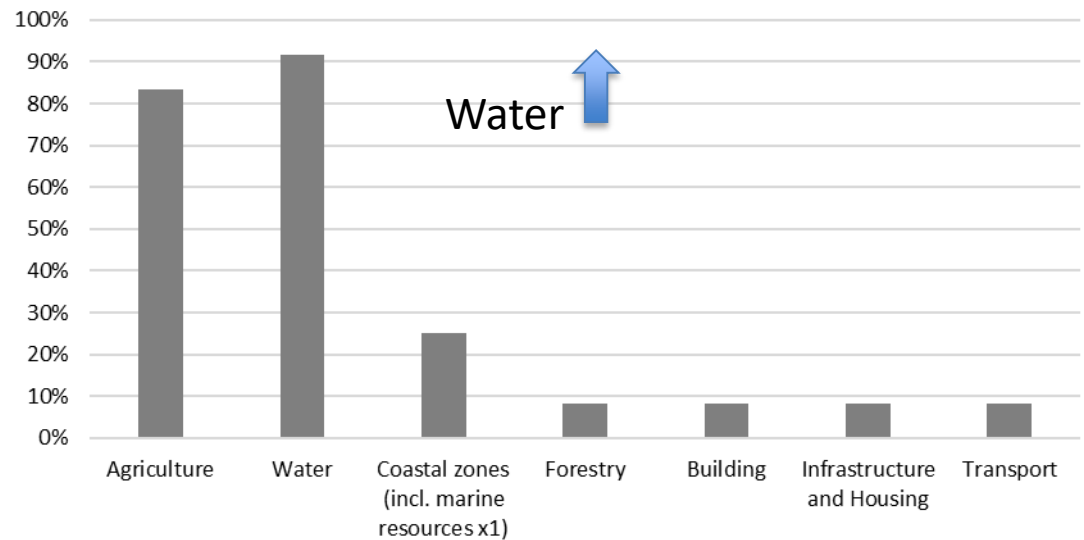
Energy sector priorities



Sectors prioritized by TNA countries mitigation



Sectors prioritized by TNA countries in the field of adaptation



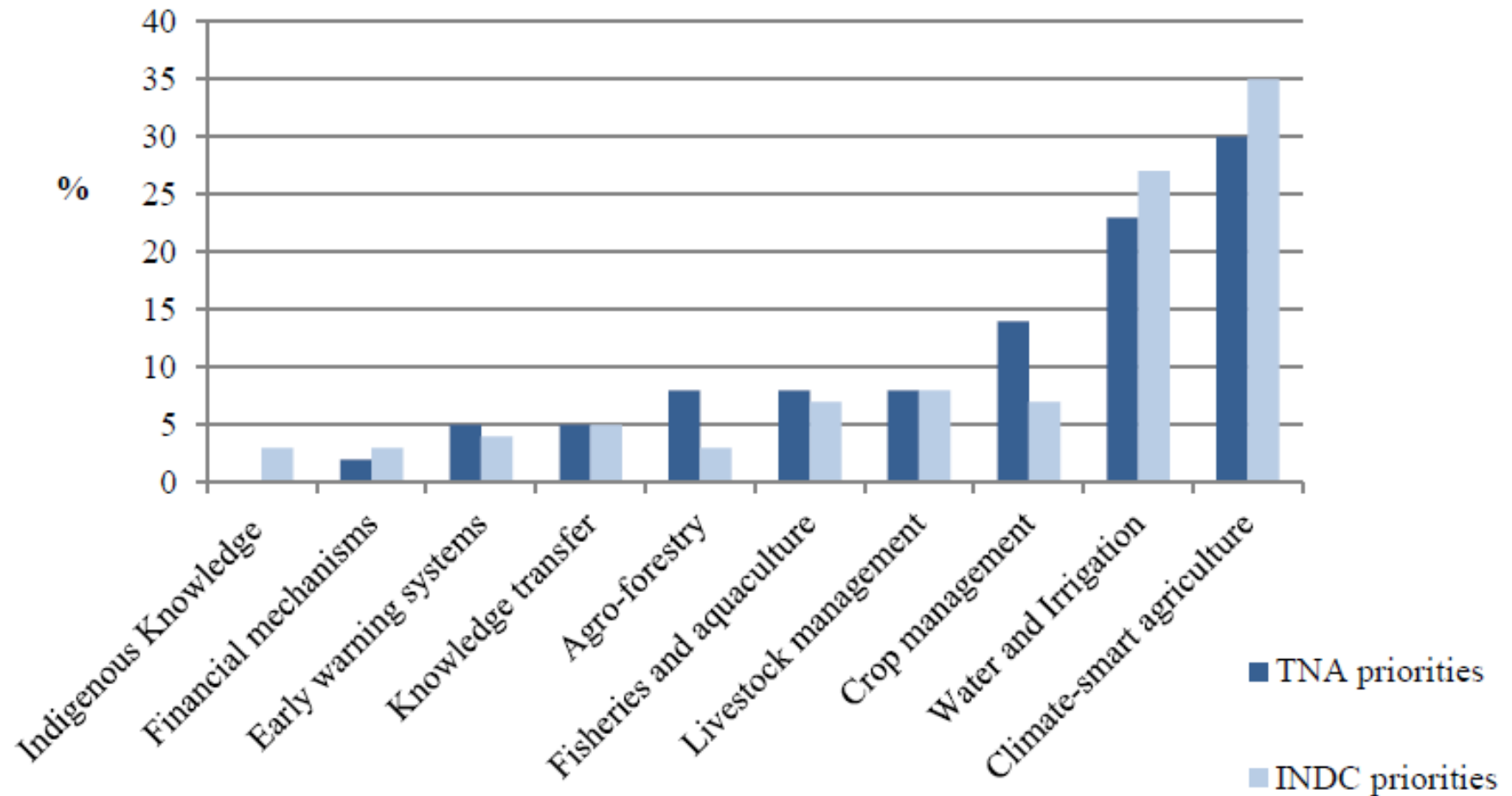
TNAs offer information on the implementation potential, ability and scale of technologies - and not least the required enabling frameworks for technology transfer and uptake

"The results of TNA project will be used in ongoing process of Ukraine's NDC revision for efficient GHG reduction pathways identification and investment needs assessment to reach more ambitious reduction targets." **Ukraine TNA 2019**

"... will contribute to achieve the National NDC targets for adaptation (building capacity) and mitigation (reforestation and introduction of renewable energy sources)". **Afghanistan TNA 2019**

The process started ...with a review of Uganda's climate and development national/sectoral strategies and plans, including its NDC...based on the information gathered from these documents on the national priorities and commitments, the consultants developed the initial list of eighteen (18) mitigation technologies. **Uganda TNA 2019**

TNA & NDC adaptation priorities, agricultural sector



TNA TECHNOLOGY NEEDS ASSESSMENT

Countries & technologies Resources TNA Database About

We facilitate enhanced action on technology to help developing countries achieve the goals of the Paris Agreement.

Read more

The TNA project is implemented by the United Nations Environment Programme and the UNEP DTU Partnership on behalf of the Global Environment Facility.

UNEP DTU PARTNERSHIP UN environment gef

Map of countries' technology priorities

Adaptation

Mitigation

Region / Country (all)



The TNAs support:

- ✓ national strategies,
- ✓ policies,
- ✓ programmes,
- ✓ projects,
- ✓ inputs to NDCs, NAPs and other processes under the Convention

More information on TNAs available at:

www.tech-action.org and
<http://unfccc.int/ttclear/>

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FROM NEEDS TO IMPLEMENTATION:

STORIES FROM THE TECHNOLOGY NEEDS ASSESSMENTS

2019

