

# Supporting the implementation of Technology Action Plans



[www.tech-action.org](http://www.tech-action.org)

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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



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



## Cambodia (TNA 2013)

The Ministry of Environment, Forestry and Fisheries submitted, based on the recommendations from the TNA, a proposal to the GEF to achieve large scale adoption of renewable energy technologies and build adaptive capacity in the agricultural sector.

Resulted in a USD 25.8 million project to benefit small holder farmers

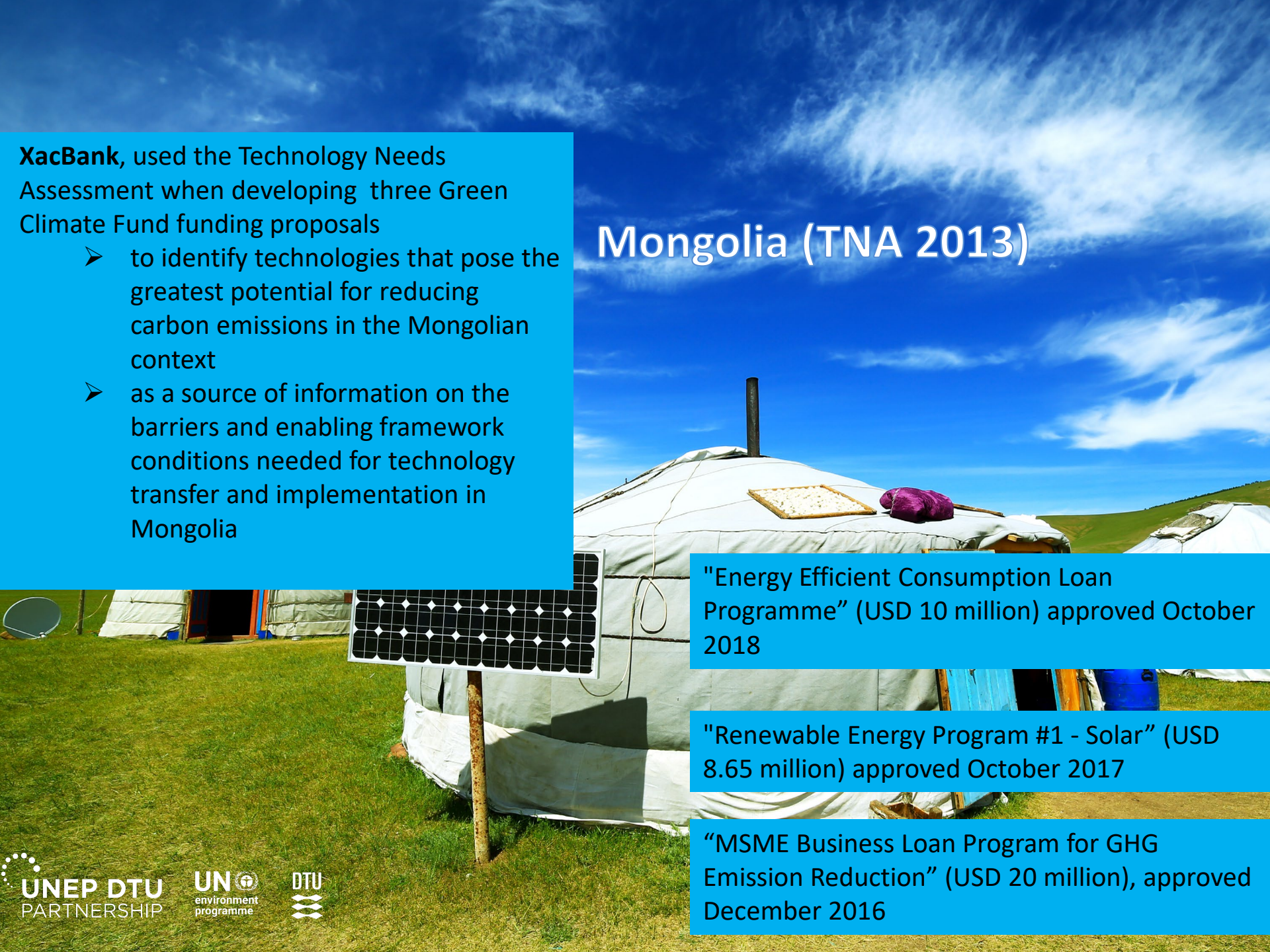


## Thailand (TNA 2012)

Identified waste management and waste-to-energy conversion as key priorities in their TNA

Building upon TNA work, and with a project preparation grant from the GEF, the Thailand Greenhouse Gas Management Organization (TGO) with UNDP and municipalities prepared a project proposal.

*2016: Achieving Low Carbon Growth in Cities through Sustainable Urban Systems Management in Thailand* project with USD 3.15 million in funding from the GEF Trust Fund and USD 182 million in co-financing from the three participating municipalities.



## Mongolia (TNA 2013)

**XacBank**, used the Technology Needs Assessment when developing three Green Climate Fund funding proposals

- to identify technologies that pose the greatest potential for reducing carbon emissions in the Mongolian context
- as a source of information on the barriers and enabling framework conditions needed for technology transfer and implementation in Mongolia

"Energy Efficient Consumption Loan Programme" (USD 10 million) approved October 2018

"Renewable Energy Program #1 - Solar" (USD 8.65 million) approved October 2017

"MSME Business Loan Program for GHG Emission Reduction" (USD 20 million), approved December 2016

# ESWATINI (TNA 2018)

## TNA priority technologies for adaptation

- were integrated into the Eco-Lubombo Biosphere project under the auspices of UNESCO.
- also forms part of a Green Climate Fund proposal and are included in Eswatini's Readiness Programme
- were included in a successful proposal to the Africa Climate Fund
- were integrated in its Nationally Determined Contribution

## Tunisia (TNA 2018)

**Identified Hybrid vehicles, in particular fully hybrid vehicles, as TNA priority**  
Hybrid cars are currently not on the market in Tunisia because of a lack of approved standards and the very low knowledge of the technology.

- Based on TNA recommendations, the Government has now introduced a national program in support of hybrid cars including appropriate regulatory and legal framework and capacity building of relevant stakeholders.

**Incorporated the TNA priority ‘High Performance Engines’** for the energy industry sector into Tunisia’s Green Climate Fund Readiness Programme.

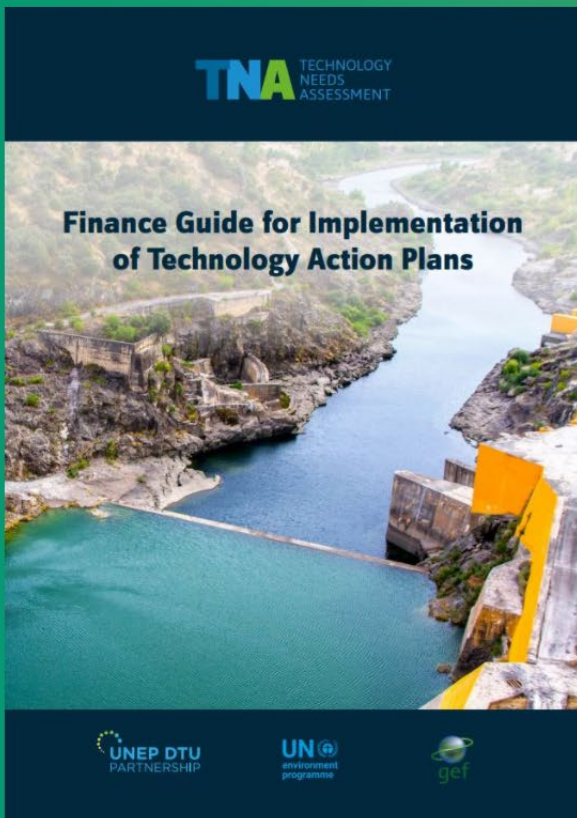
# New TNA guidebook to further support implementation

- available at [www.tech-action.org](http://www.tech-action.org)

NEW PUBLICATION

## Finance Guide for Implementation of Technology Action Plans

This guidebook provides information on how to develop a business case for interventions that are inclusive of climate change mitigation and adaptation technologies, and to present this information in structured proposals to donors and financiers.



[Download publication](#)



Chapter 1 - Introduction to TNA process and financing for TAP



Chapter 2 - Phases of proposal development



Chapter 3 - Preparing the business case and financial plan



Chapter 4 - Application of financial instruments, concessionality and incremental cost

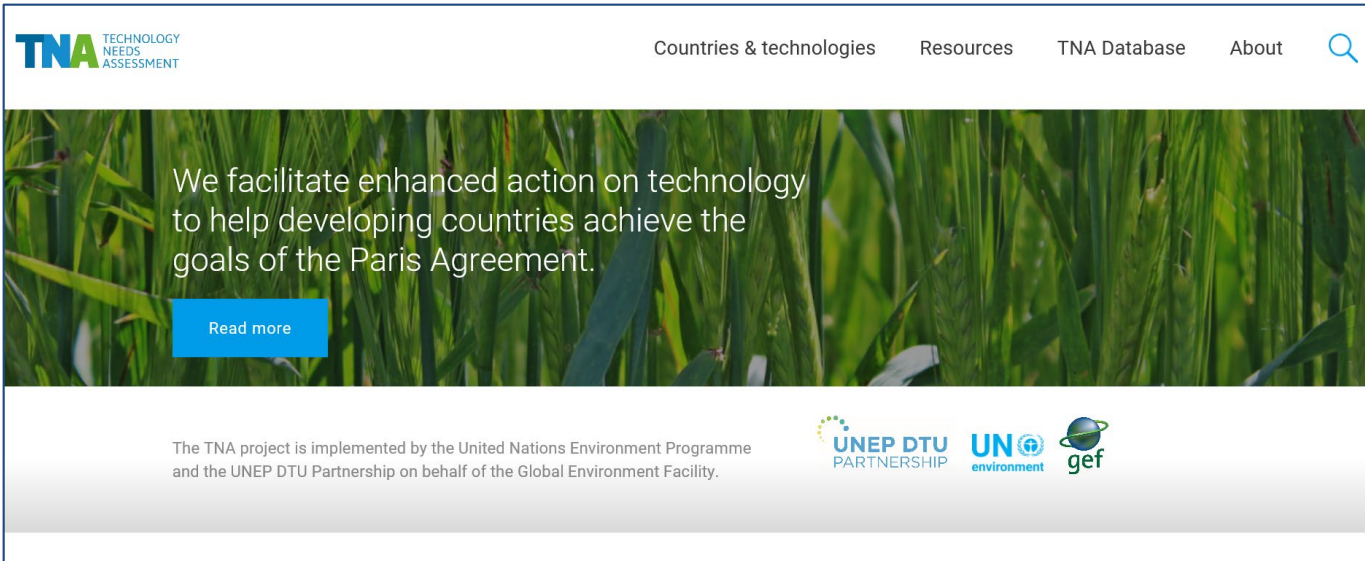


Chapter 5 - Building blocks of a proposal: preparing the first draft proposal



Chapter 6 - Selecting the appropriate financial partners for a targeted proposal






**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.



More information on TNAs available at:

[www.tech-action.org](http://www.tech-action.org) and <http://unfccc.int/ttclear/>

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## Map of countries' technology priorities

Adaptation ▾ Mitigation ▾ Region / Country (all) ▾

