



## Afghanistan

**Applicant:** National Environment Protection Agency of Afghanistan

**National Designated Entity:** Mr. Gulam Hassan Amiry, National Environment Protection Agency of Afghanistan

**Duration:** 12 months

**Status:** Completed

**Budget:** 39,950 USD

**Planned by:** UN Environment

**Implemented by:** UN Environment

## Identification of Technology Needs

### CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technical assistance aligned with national climate objectives.

### CHALLENGE

As a mountainous country, with dry lands and frequent droughts, Afghanistan experiences challenges regarding the availability of water, while also recognizing the landscape provides opportunities for utilization of renewable energy. The government of Afghanistan has therefore asked for assistance in identifying technology needs for three priority sectors: agriculture, energy and water resources.

### CTCN SUPPORT

- Development of a planning roadmap for mainstreaming climate technology priorities in key sectors
- Creation of a compendium of climate technology options and priority project concepts
- Briefing papers and training materials to build capacity of policy makers and other key stakeholders to incorporate climate technology priorities into national planning

### IMPACT

The government of Afghanistan now has at its disposal a compendium of technologies that can be instrumental to implementing its Nationally Determined Contributions. The roadmap and capacity building will inform new policies to be developed and will provide a solid basis for the country to conduct a Technology Needs Assessment and Technology Action Plan in 2017.

# THIS ASSISTANCE SUPPORTS

## Afghanistan's Nationally Determined Contribution to:

- Identification and mainstreaming of climate change adaptation technologies into the sectoral policies, strategies and development plans, and promotion of regional and international cooperation and coordination for adaptation technology transfer

# SUSTAINABLE DEVELOPMENT GOALS



## What is climate technology?

Any equipment, technique, practical knowledge or skills needed to reduce greenhouse gas emissions and/or adapt to climate change. This includes traditional, modern and high tech technologies.

## Learn more about CTCN technology transfer

Visit: [www.ctc-n.org](http://www.ctc-n.org)  
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The CTCN is the operational arm of the UNFCCC's Technology Mechanism and is hosted by the United Nations Environment and the United Nations Industrial Development Organization (UNIDO).

## THE STORY

In order to develop its mitigation and adaptation options to climate change impacts, the government of Afghanistan asked CTCN for assistance in identifying technology needs in its three most vulnerable sectors, according to its National Adaptation Programme of Action.

The CTCN, with the expertise of the UN Environment Post Conflict and Disaster Management Branch, worked with the National Environment Protection Agency and other ministries to identify and advocate for suitable technologies for low-carbon and climate resilient development in agriculture, water, and energy. Three project concepts were developed as a result, namely a "Renewable Energy and Sustainable Rural Electrification Support Program"; a "Forestry Institutions, Restoration and Science Technology for Afghanistan" project; and a "Climate Early Warning Integrated Mountain System and Ecological Observatory".

The assistance strengthened understanding of mitigation and adaptation technologies among policymakers, and therefore created a strong basis in the country for conducting the TNA/TAP and for the implementation of new technology initiatives to support sustainable development in Afghanistan.

## The CTCN gratefully acknowledges the support of :



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