



Building Capacity for NAMAs

Nationally Appropriate Mitigation Actions (NAMAs) are voluntary measures by developing countries and emerging economies to reduce Greenhouse Gas (GHG) emissions in the form of projects, programmes, or policies, ideally aiming at transforming whole sectors. They should be embedded in Low Carbon Development Strategies (LCDS), which have been developed in most countries, and are building blocks of the (Intended) Nationally Determined Contributions ((I)NDCs) to an international climate change agreement. An MRV (Measurement, Reporting and Verification) system is necessary to determine the actions' effectiveness, i.e. whether the planned GHG emission reductions were achieved. Unilateral NAMAs are financed nationally and hence require only national MRV. Supported NAMAs, however, seek additional international funding to complement the national efforts, usually including capacity development, policy advice, or technology cooperation, and thus international MRV is mandatory.

In addition to their high mitigation potential, NAMAs have important co-benefits for sustainable development. The intended change of the framework conditions of entire (sub-)sectors should be ambitious, transformational and nationally appropriate. A core element of every NAMA is a financial mechanism to mobilise additional funding, ideally including the private sector. Another element is an MRV system for the NAMA itself as well as one at the national level to include the NAMAs into the national reporting on emission reductions to the United Nations Framework Convention on Climate Change (UNFCCC).

In order to enhance NAMA finance, the NAMA Facility was established in 2012 by the Federal Ministry for the

Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and the UK Department for Energy & Climate Change (DECC), joined by the Danish Ministry of Climate, Energy and Building (MCEB) and the European Commission in 2015. The Green Climate Fund (GCF) intends to provide funding for NAMAs.

PROJECT EXAMPLES

Mexican-German NAMA Programme (ProNAMA)

In 2011, the governments of Mexico and Germany decided to jointly design four energy efficiency-driven NAMAs in the key sectors residential buildings construction/ retrofit, small and medium-sized enterprises (SME) and road freight transport, financed by BMUB and supported by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) in cooperation with four Mexican ministries: Ministry of Environment and Natural Resources (SEMARNAT), Ministry of Energy (SENER), Ministry



of Communication and Transport (SCT), and Ministry for Agricultural, Territorial and Urban Development (SEDATU).

ProNAMA created robust NAMA concepts with MRV systems and developed implementation capacities. Most important results are:

- **Housing:** Integration of the “wholehouse” performance approach into the national housing policy and advisory services for piloting the construction of 75 new houses and retrofitting of eight housing units.
- **SME:** Introduction of MRV criteria, training for energy efficiency advisors, and sectoral benchmarking studies.
- **Transport:** Finance acquisition for efficient technology packages, NAMA calculation tools, and updating of Mexican emission standards for heavy vehicles.
- **National NAMA coordination:** Improvement of the national NAMA management system, (criteria, guidelines, and national NAMA Registry) and studies on domestic NAMA financing.

A virtual library comprises studies developed and a final product on key activities, challenges, and success factors. The first NAMA to receive implementation funding by the NAMA Facility, the Sustainable Housing NAMA, is a result of ProNAMA.

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MitigationMomentum Project

Since 2012, the project MitigationMomentum, jointly implemented by Ecofys Germany and the Energy research Centre of the Netherlands (ECN) in cooperation with government partners in each country, has been developing transformational NAMAs in Chile, Georgia, Indonesia, Kenya, Peru, Thailand and Tunisia (country-specific NAMA activities). Sectors include building efficiency, (off-grid) renewable energy and development of Energy Service Companies (ESCO) markets.

As one of the first global NAMA projects, it has helped to put NAMAs into practice and to set standards for ambitious NAMAs. It also fostered cooperation and dialogue among international NAMA practitioners and produced Annual Status Reports (2014) and its Updates (2015) and other publications. Attracting finance is very important for success and MitigationMomentum has played a key role in assisting Chile with one of the first NAMAs to receive implementation funding from the NAMA Facility: the Self-Supply Renewable Energy (SSRE) NAMA.

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