



### Building capacity through development of NAMAs (Table below) as per country priorities

Sector	NAMA	Countries
Forestry	Sustainable Agro-forestry to reduce deforestation	Ethiopia
Biogas	Sustainable management of animal waste and use of biogas for onsite power generation Sustainable management of animal waste through use of biogas as an alternative to wood in rural areas	Vietnam Senegal
Waste	Urban solid waste management and Waste-to-Energy	Ethiopia
Solar	Household PV systems connected to grid in the residential sector PV pumping in agriculture sector Off-grid PV systems in rural and peri-urban areas Promoting Rooftop Solar PV systems	Morocco Senegal Indonesia
Wind	NAMA on Integrated Program for Promotion of Wind Power Generation	Vietnam
EE	Energy Efficiency through Installation of Capacitor Banks for Commercial and Industrial Customers of Electricity Company of Ghana (ECG) Promote EE Tech in Steel industry	Ghana Indonesia
Transport	Enhancing Urban public transport through Bus Rapid Transit NAMA	Ghana

### Technical contribution to building knowledge relevant to the international climate change process

While overarching guidance for NAMAs are further being developed and established under the UNFCCC, FIRM enables gaining, extracting and sharing of experience which can bring about clarifications and improved understanding by combining practical application with normative development.

In addition, the development of analytical materials for LCDS and NAMAs criteria, MRV approaches, and tools for analyzing

and prioritizing mitigation actions, can further inform the international process.

### Expected Results/Outputs

- Strengthened national low-carbon development frameworks including institutional and MRV arrangements.
- Guidelines, tools and publications developed to enhance knowledge on preparing NAMAs and LCDS.
- Experience sharing workshops and platforms for sharing experience to increase South-South and triangular cooperation.

## Facilitating Implementation and Readiness for Mitigation (FIRM)

### Support for Low Carbon Development Strategies and Nationally Appropriate Mitigation Actions in Developing Countries

**Developing countries have expressed a need for international financial and technical support to lay the foundations for a low carbon development path. Focus of such effort is to identify, in the context of sustainable development, opportunities for reducing greenhouse gas emissions that provide additional benefits – such as employment generation, enhanced energy security, improvements in local environmental quality – which provide strong arguments for adopting a low carbon approach to economic growth.**

For more information on FIRM, please visit [www.lowcarbondev-support.org](http://www.lowcarbondev-support.org) or contact:

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with assistance from the Government of Denmark

**The Facilitating Implementation and Readiness for Mitigation (FIRM) project,**

funded by the Government of Denmark, will strengthen national capacities to formulate low carbon development strategies and identify mitigation opportunities within the context of national sustainable development priorities and the evolving concept of Nationally Appropriate Mitigation Actions (NAMAs).

Towards this end, FIRM will provide technical and methodological advice and institutional capacity-building to national agencies and their stakeholders in the participating countries.

Implemented by UNEP’s Division of Technology, Industry and Economics (DTIE) together with the UNEP DTU Partnership (UDP), in-country activities will leverage key involvement of local centres of excellence and national experts.

The project builds on existing UNEP and URC experience and support to developing countries, in areas such as the GEF funded initiative for Technology Needs Assessments (TNAs) and Technology Action Plans (TAPs) and other national priorities identified through studies, such as the Green Economy scoping studies as well as other ongoing activities to identify options for climate change mitigation and resource efficiency in the respective countries.

More specifically, the FIRM project provides financial, technical and methodological support to create the necessary conditions in participating developing countries to identify low carbon development options and formulate and implement GHG emis-

sion reduction activities within the context of sustainable development. The project will contribute towards the development and understanding of the concept of Nationally Appropriate Mitigation Actions (NAMAs) and will provide support to national processes for identifying and formulating NAMAs by enabling institutional arrangements, national MRV systems, and legal structures for NAMAs.

**Participating Countries**

**The countries across 3 different regions include:**

**Africa:** Ethiopia, Ghana, Morocco, Senegal

**Asia:** Indonesia and Vietnam

**Latin America:** Costa Rica

**In addition to the 7 participating countries, the FIRM project will support South Africa and Mexico to develop analytical inputs aimed at fostering South-South learning and co-operation in LCDS and NAMAs processes.**



**Main Project Components**

<b>A</b>	<b>Developing a national low carbon development framework and NAMAs priorities</b>
<b>B</b>	<b>Supporting national processes for development and formulation of NAMAs ready to be implemented</b>
<b>C</b>	<b>Developing analytical materials and sharing project experiences and analytical results, including through regional and international networks</b>

**Project Objectives**

The main objectives of the FIRM project are:

- Contributing to develop the conceptual basis and practical understanding of low carbon development as well as analytical and methodological approaches to NAMA development and MRV systems.
- Linking the outcomes of the Technology Needs Assessment (TNA) exercise and other work on identification of mitigation options with national low carbon development planning processes to identify priority NAMAs.
- Supporting formulation of NAMAs in identified priority areas and in that context pilot identified activities for overcoming of non-financial barriers that hinder NAMAs implementation in developing countries.
- Enhancing efficient use of resources, including energy, creating enabling environments for uptake of clean technologies, and improving human well-being and the environment.
- Fostering South-South cooperation and mutual learning.

**Approach**

The project follows a country-driven approach led by a designated national institution. It engages a broad range of stakeholders, from the public and private sector, sector-specific experts, academia, civil society and project developers.

Delivery of FIRM will be as an adjustable package focusing on sectors and areas across the national economy selected by participating countries including renewable energy, energy efficiency, sustainable housing, and agriculture and transport systems, among other mitigation opportunities.

Core methodologies used in this project include multi-stakeholder dialogue, multi-criteria analysis, tools developed as part of TNA process and other projects, together with the support of additional tools and publications by UDP and UNEP.