

# Nature-based Solutions for Climate Mitigation and Adaptation (NCMA)





## Background

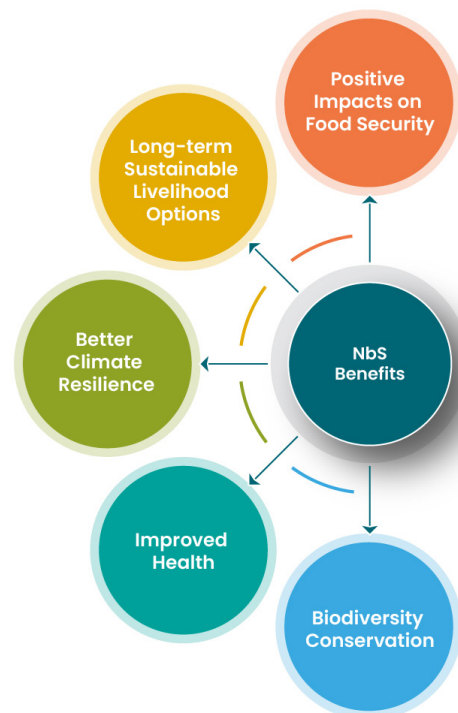
Mitigation interventions in the land sector, referred to as ‘nature-based solutions’ (NbS), have the potential to mitigate on average over 476 MtCO<sub>2</sub>e per year<sup>1</sup> in India by 2030 by investing less than ₹8255/ton (\$100/ton), which is 5% of the global average potential. NbS also have the potential to address several other key challenges in India, including land degradation, biodiversity loss, overuse of freshwater resources, and increasing emissions.

Despite their massive potential, NbS remain chronically underfunded in India, receiving less than 2% of global climate finance, mainly due to scarcity of knowledge about the different business models for NbS available in India, many of which provide returns or significant cost savings.

## About the Project

The NbS for Climate Mitigation and Adaptation (NCMA) project, titled as ‘Financing Nature-based Solutions: a path to prosperity, food security and resilience’, driven by FOLU India, in liaison with Systemiq (FOLU Global partner), aims to create an action plan for unlocking climate mitigation financing potential of the land-based NbS initiatives in India. It intends to widen the NbS landscape beyond its current limited scope of conservation opportunities to include specific areas such as food security and livelihoods (see figure on the right side), which can be supported by incentives and philanthropic investments.

<sup>1</sup>This figure is calculated based on the available information. It is subject to revision based on actuals generated through project implementation.



Activities envisaged under the project will help in sensitizing and motivating public and private investors to unlock investments in India by highlighting viable investment opportunities and financial strategies in NbS. The project seeks to plug existing knowledge gaps around the mitigation potential of various NbS measures, present evidence about their benefits, assess the cost of implementation, funding gaps and financial mechanisms in order to accelerate investments towards emission reduction and adaptation measures with mitigation benefits.

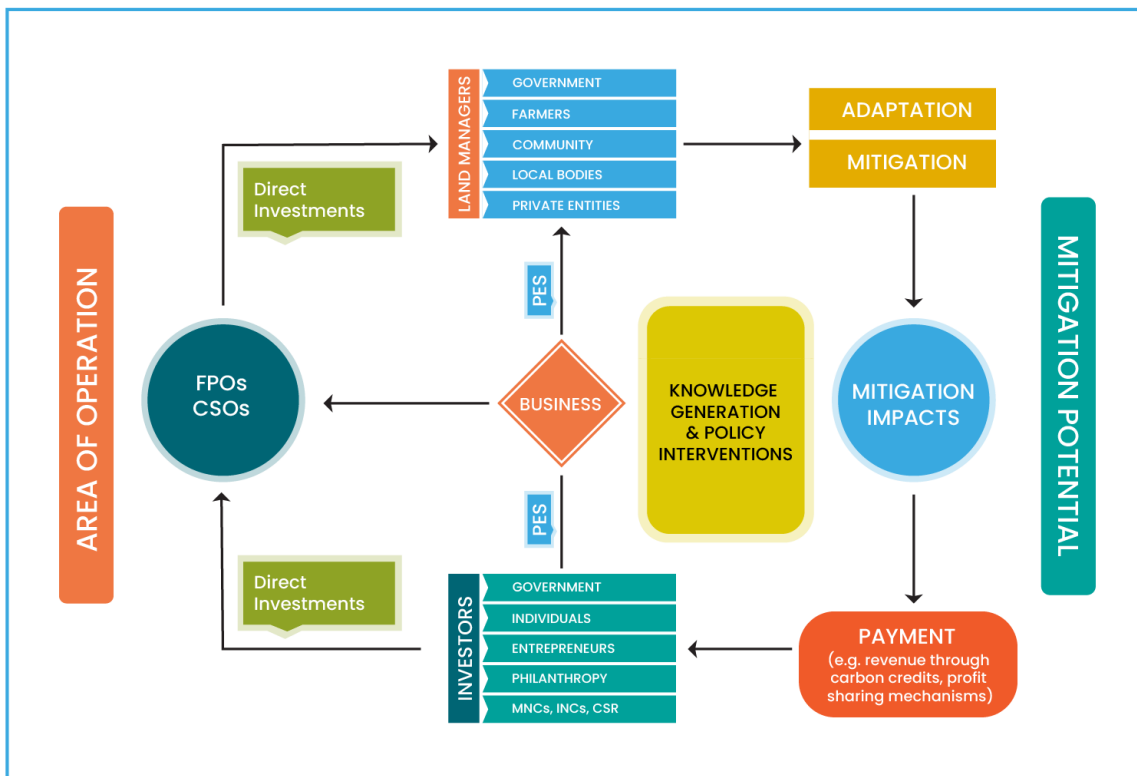
### Objective and Outcome

**Objective:** Create an action plan for unlocking NbS finance for climate mitigation and create an enabling business environment for investing in NbS in India by 2024 Q2.

**Outcome:** Enable public and private investors to invest about ₹41 billion (\$500 million) into NbS in India, catalysing emission reductions of at least 476 MtCO<sub>2</sub>e per year by 2030.

### Project Framework

As the first step, an advisory body of 15–20 influential multi-sectoral experts, called the Technical Steering Committee (TSC), will be formed and engaged. The TSC will include entrepreneurs into climate business, policymakers (at national and sub-national level), and experts in climate-related data analysis and modelling. The TSC is expected to own the programme and help to identify relevant data sources, support in modelling, validate results, and translate the knowledge on NbS potential to action for a wider set of stakeholder groups.



Further, an action plan will be created through multi-stakeholder consultations and in partnership with the TSC. This plan will spotlight the potential for NbS-based climate mitigation measures through an enabling environment, thereby garnering potential investments in NbS.

## Approach

It will take a four-pronged approach to achieve its objectives. This includes:



The project will leverage the methodology and modelling infrastructure developed by Systemiq for assessing the financing strategies to unlock and scale NbS in Kenya and Colombia. FOLU India will undertake a collaborative approach with Systemiq to adapt these existing approaches to the Indian context.



### About Food and Land Use Coalition

The Food and Land Use Coalition (FOLU) is a global community of country platforms, partner organizations and Ambassadors working to advance sustainability, equity and resilience in food and land use systems. Created in 2017, FOLU supports diversity, embraces disruptive thinking and forges consensus through an evidence-based approach. The coalition empowers farmers, policymakers, businesses, investors and civil society to unlock collective action at scale.

FOLU India includes the Council on Energy, Environment and Water (CEEW), Revitalising Rainfed Agriculture Network (RRAN), The Energy and Resources Institute (TERI) and World Resources Institute India (WRI India). The team also works in close partnership with other organisations like Indian Institute of Management Ahmedabad (IIM-A) and International Crop Research Institute for the Semi-arid and Tropics (ICRISAT).

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