

# Training workshop for Anglophone African countries: Deep dive into tracking NDC mitigation commitments under the Paris Agreement

Country presentations of NDC-  
mitigation section, and ongoing  
or planned implementation  
initiatives

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# NDC-Mitigation Overview

## Guiding rationale for the development of mitigation component in NDC

- The current Lesotho National Strategic Development Plan (NSDP- II) which targets an integrated, systemic approach and encompasses medium-term economic development, poverty reduction and longer-term sustainable development issues
- National Climate Change Policy 2017-2027, Lesotho Energy policy 2015-2025, National Forestry Policy 2008, National Sustainable Energy Strategy 2017, Renewable Energy and Energy Efficiency Strategy and Action Plan 2016-2030, Environment Act 2008.
- Biennial Update Report: GHG Inventory 2010-2017
- To identify and improve national resilience to climate change and increasing clean energy production capacity and environment-friendly production methods

## Overview of mitigation goals, targets and key initiatives

- The mitigation targets are set against a Business As Usual (BAU) projection
- Emissions reduction in 5 sectors:
  - Energy,
  - Industrial Processes,
  - Agriculture (livestock and soil),
  - Land-Use, Land-Use Change and Forestry (LULUCF),
  - Waste
- Unconditional target: 10% reduction in GHG emissions compared to business as usual (BAU) by 2030.
- Conditional target: An additional 25% reduction under certain conditions which would bring the total GHG reduction to sum 35%
- Renewable Energy-Based Rural Electrification (LREBRE) Project across the country, Construction of 20 MW solar facility (20MW Solar Facility), Save80 Cookstoves, Decentralized Wastewater Treatment Systems (DEWATS)

# Process and Modeling Tools

## Methodology and modelling tools used in NDC development

- Bottom-up approach (modelling of policies and measures one by one and comparison to the BAU scenario)
- Projections to 2030 were developed for each individual source category for CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O.
- GACMO model (2015) the emission reduction is the projection of GHGs and abatement potential and corresponding investment requirement
- Following a prioritization of all possible mitigation actions, emission reductions projections were made based on assumed economic growth, changes in population, energy supplies and prices, as well as the adoption of new technologies and the impacts of government policies.

## Stakeholder engagement and consultation process

- National institutional arrangements that includes all relevant stakeholders for the purpose of data collection
- Consultations of national policies and strategies of all sectors by the consultant.
- Validation workshop carried out in collaboration with NCCC.

# Scenarios and Decision-making

## Different scenarios considered in NDC development

- The unconditional mitigation scenario is based on the implementation of the already scheduled or in-progress projects, all of whose funding has been defined
- The conditional scenario assumes the implementation of additional actions over the period 2015-2030

## Challenges faced and lessons learned

- Technology transfer needs
- Limited financial resources
- Data availability
- Research and Monitoring
- No well defined indicators
- No implementation strategy



- Kea leboha!