

NDC modelling and NDC Consultations and Dialogue

The Mexican-Danish Climate Change Mitigation and Energy Program (CCMEP) has supported Mexico in implementation of its climate policy and energy reform. Under the Climate Change component of the Program, Denmark supported SEMARNAT and INECC in the preparation for UNFCCC's 2015 agreement on post 2020-target setting of Mexico's Intended Nationally Determined Contribution (INDC) to the Paris-Agreement reached at COP 21. Following the submission of the INDC, cooperation has taken place on the analyses supporting the implementation of the NDC.

The objective has been to enhance the capacity to carry out the extended analyses of NDC implementation measures, through improved methodologies, systematic maintenance of data, as well as to carry out analyses of specific NDC implementation measures. These include modelling of the costs of the measures included in Mexico's NDC from both a bottom-up approach and top-down simulations using the POLES Model (Prospective Outlook on Long-term Energy Systems), which is a world energy-economy partial equilibrium simulation model of the energy sector.

The CCMEP also provided support for the organization of 8 public-private dialogues to discuss the mitigation actions and estimated costs of the sectors considered in the NDC.

OUTPUTS:

- Support to INECC in the development of models for Mexico's NDC, through technical assistance in the determination of Mexico's greenhouse gas (GHG) baseline and in developing a series of forecasting scenarios and GHG reduction options analyzed with the POLES model;
- Support to INECC and SEMARNAT in public consultation process involving an online consultation and 8 public consultation workshops attended by more than 900 stakeholders;

- Bottom-up cost analysis of the 30 non-conditional GHG mitigation actions.
- Development of technical narratives document for each sector's mitigation action.

OUTCOME:

- Mexico was the first developing country to present its INDC to the UNFCCC and the fourth submitter globally;
- INECC's Green Growth Coordination has been enabled to carry out detailed assessments of the 30 NDC measures;
- The public consultation dialogues were crucial for receiving opinions and proposals from relevant stakeholders to be considered in Mexico's NDC cost calculations and to explore additional feasible mitigation actions.



The support provided by the CCMEP was decisive to know the financial implications of the 22% GHG reduction commitment by Mexico, and the optimal pathway in achieving it. Additionally, it has allowed us to take concrete implementation steps and to investigate how to increase the level of mitigation beyond 22%.

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