Ministry of Environment
Greenhouse Gas Inventory and Research Center

Partnership on Transparency in the Paris Agreement

CBIT-GSP
CLIMATE TRANSPARENCY

Food and Agriculture Organization of the United Nations

Tracking Progress of the Mitigation Commitments of Nationally Determined Contributions (NDCs)

Presentation: Summary of filling reporting tables using GACMO and LEAP

Dr Aiymgul Kerimray

Mitigation specialist

UNEP Copenhagen Climate Centre

UN environment programme | copenhagen climate centre

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Supported by:
Federal Ministry for Economic Affairs and Climate Action
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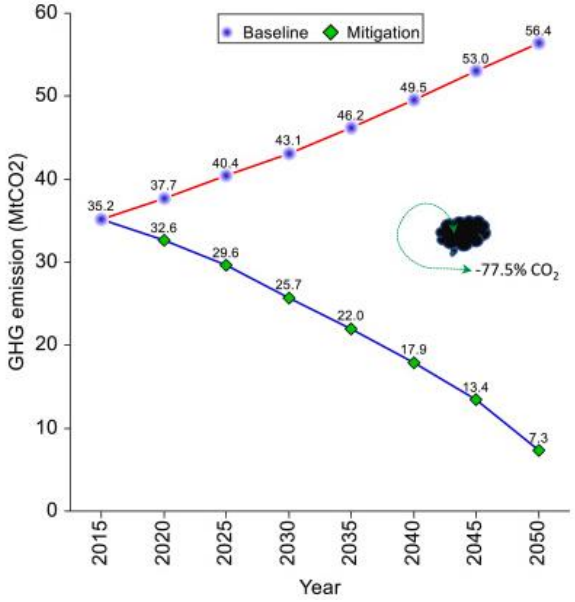
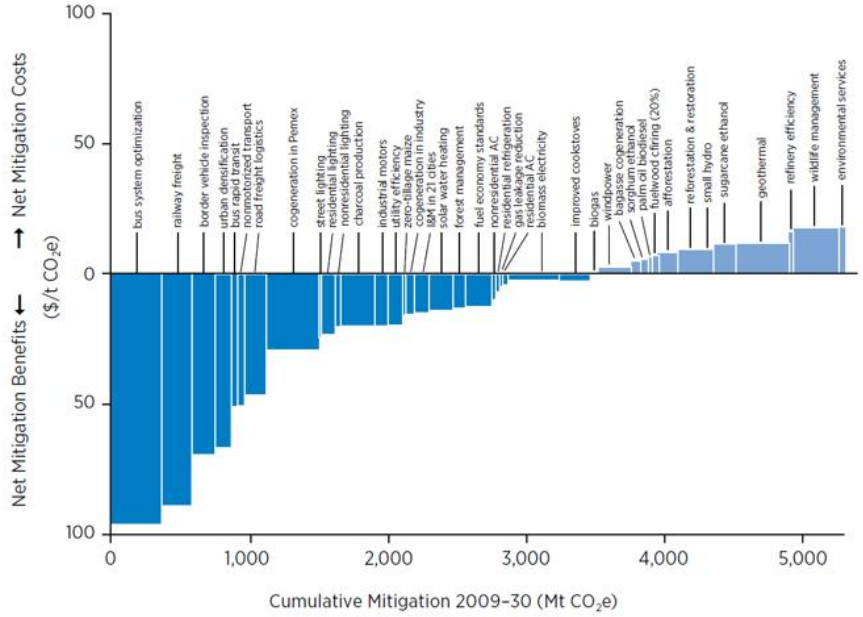
GACMO and LEAP can support to define the target level for the NDC

GACMO/LEAP models can be useful to **identify NDC target levels:**

- Sectoral targets consistent with the economy-wide targets
- MACC/MARC curves can be useful to select the set of mitigation options





Marginal Abatement Cost Curve (MACC) Summary Reports (sei.org)

Energy system analysis with a focus on future energy demand projections: The case of Norway - ScienceDirect

CTF tables for the electronic reporting of the information necessary to track progress made in implementing and achieving NDCs

NDC definition and methods

- **Appendix:** Description of a Party´s NDC
- **Table 1:** Description of selected indicators
- **Table 2:** Definitions needed to understand the NDC
- **Table 3:** Methodologies and accounting approaches

Current mitigation status and tracking progress

- **Table 4:** Tracking progress
- **Table 5:** Mitigation policies, measures, actions and plans (Achieved)
- **Table 6:** Inventory summary

Projections and expected emissions reduction

- **Table 5:** Mitigation policies, measures, actions and plans (expected)
- **Table 7:** Projections “with measures” scenario
- **Table 8:** Projections “with additional measures” scenario
- **Table 9:** Projections “without measure” scenario
- **Table 10:** Projections of key indicators
- **Table 11:** Key underlying assumptions and parameters of projections

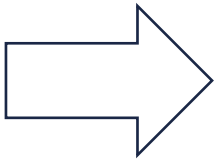
Response measures

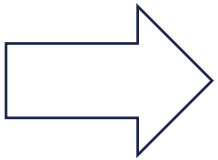
- **Table 12.** Information necessary to track progress on the implementation and achievement of the domestic policies and measures implemented to address the social and economic consequences of response measures

Projections of GHG emissions

GACMO:
GHG emissions projections by sectors
CO2 emissions
Other Gases
Two scenarios: BAU scenario, mitigation scenario

LEAP:
GHG emissions projections by sectors
Projections by gases
(user defines the selection of the gases)
Number of scenarios defined by the user





CTF tables 7, 8, 9

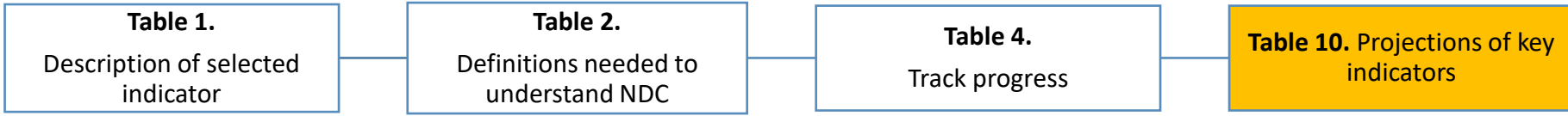
Projections (with and without LULUCF)

- With measures (shall) → Implemented and adopted policies and measures
- With additional measures (may) → Implemented, adopted and **planned** policies and measures
- Without measures (may) → **Excludes** all policies and measures after the cut-off date

CTF Table 10. Projections of key indicators

LEAP

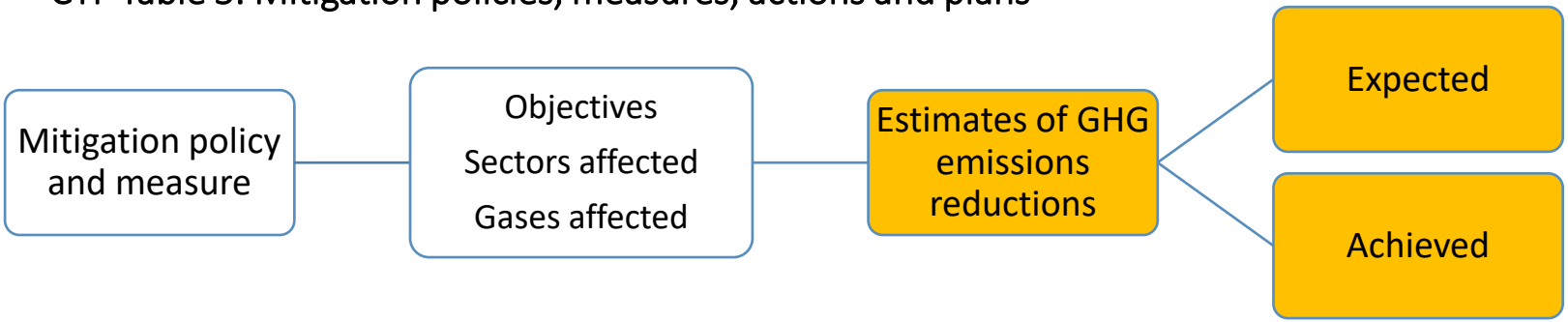
GACMO



Assessment of the impact of the individual policies and measures

GACMO, LEAP

CTF Table 5. Mitigation policies, measures, actions and plans



GACMO and LEAP can be used to estimate individual effect of mitigation policy

Summary of filling reporting tables using GACMO and LEAP

Results of the models

Input data to the model

CTF Table 3. Methodologies	CTF Table 5. Mitigation policies and measures (emission reduction)	CTF Table 7. Projections 'with measures' scenario	CTF Table 8. Projections 'with additional measures' scenario	CTF Table 9. Projections 'with additional measures' scenario	CTF Table 10. Projections of key indicators	CTF Table 11. Key underlying assumptions used for projections

GACMO, LEAP can support filling in several CTF tables

Thank you!

Aiymgul Kerimray – aiymgul.kerimray@un.org

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