

Data Annex Contents

- 'NonCO2 MACs-RAW Results.xlsx' – flat file MAC model output
- 'NonCO2 MACs-Summary Tables.xlsx' – summarized MAC model output and % mitigation calculated from the baseline presented in the summary report
- 'NonCO2 MAC Model AG Baselines.xlsx' – AG sector baselines generated from DAYCENT and DNDC – see below

Note about Croplands and Rice Projections and Mitigation Estimates

This methodological note pertains to the non-CO₂ mitigation estimates for Croplands and Rice sources and discusses issues of interest to users of the country-level estimates in this Data Annex.

Mitigation estimates from the Croplands and Rice sources are based on estimates from DAYCENT (Croplands) and DNDC (Rice), both global biogeochemical models with a long history of use.¹ This Data Annex includes the models' GHG mitigation estimates as well as the baseline GHG emission estimates by country (NonCO2 MAC Model Ag Baselines.xlsx). Percentage reductions are calculated by dividing the model's mitigation estimates from the model's base estimates.

In some cases, aggregation of these country-level estimates may give a slightly different global totals compared with the summary report, *Global Non-CO2 Greenhouse Gas Emission Projections & Mitigation, 2015-2050*. The summary report does not use the models' baselines in favor of an approach that relies on country-reported and calculated estimates for all sectors and sources, including Croplands and Rice.

For total global estimates of GHG mitigation across all sectors where a consistent approach is required, the estimates in the summary report may be cited. For country-specific analysis the detailed modeled estimates in this Annex may be used.

¹ See the Methodology Documentation (https://wcms.epa.gov/sites/production/files/2019-09/documents/nonco2_methodology_report.pdf) for more information about these models. Note also there is a post publication note about a slight methodological change employed after the Methodology Documentation was finalized and reviewed.