

ADP MEETING, BONN OCT 22 2014 WORKING GROUP SESSION ON NITROUS OXIDE EMISSIONS

LINATE CHANGE 2014 Mitigation of Climate Change

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Working Group III contribution to the IPCC Fifth Assessment Report



N_2O Emissions Overview, 2010 3 GtCO₂eq



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INTERGOVERNMENTAL PANEL ON Climate change



Mitigation options:

SUPPLY SIDE



... industrial production and fuel combustion



DEMAND SIDE Dietary changes; Improvement in the food chain; Better Inputs and fuel efficiencies









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Summary Findings:

- 7% of anthropogenic GHG emissions are N₂O gases (ca. 3 GtCO₂e/yr); crop and livestock agriculture ~75% of this amount
- A combination of supply-side and demand side options can reduce up to 80% the emissions from agriculture by 2030. No separate info for N₂O, however this may translate into a range of 10%-50% as single gas mitigation for land and industrial/fuel sources
- Many positive linkages of land-based mitigation with sustainable development and with adaptation exist. A land-based package goes well beyond single-gas mitigation.
- Good governance is central for ensuring multiple co-benefits for rural development and food security





Mitigation of non-CO₂ gases: Time to tap the real potential

Thank you!

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