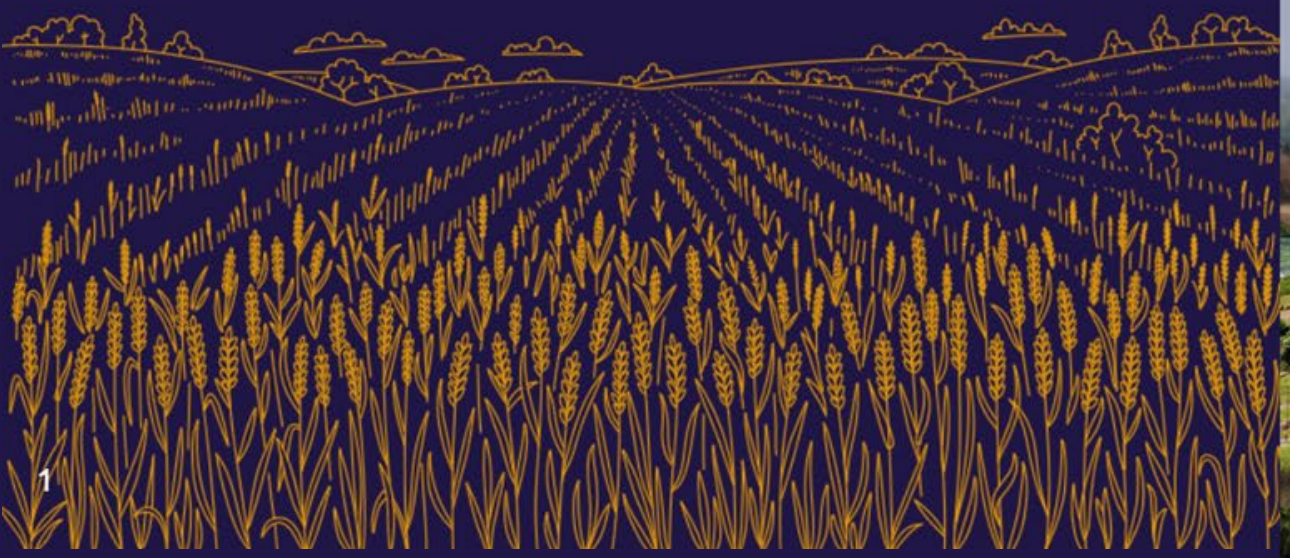
AGRICULTURE SECTOR NATIONALLY DETERMINED CONTRIBUTION (NDC) 2025



Drivers and opportunities

Context for Agriculture climate response

Agriculture Sectoral Context, Priorities and Progress

Scope: Greenhouse gas (GHG) emissions from agricultural activities, primarily Methane (CH_4) and Nitrous Oxide (N_2O).

Emission Categories: Rice cultivation, Enteric fermentation, manure management, soil management (liming, urea), and crop residue burning. (IPCC)

Key Priorities: Water resource management to combat **drought**; massive repopulation of the **swine industry** following the ASF outbreak.

Methodology Progress: Enhancing GHG emission methodology with **Tier 2** GHGI for buffalo and national emission factors for rice.


AMIA village in Brgy. Pedagan, Mahayag, Zamboanga del Sur

Inclusive and participatory

Sectoral NDC development process

Inclusive and participatory

Key stakeholders / stakeholder groups consulted

Key stakeholders / stakeholder groups consulted

- Government
- Academe
- CSOs
- Private Sector
- Youth

CROSS-CUTTING ISSUES

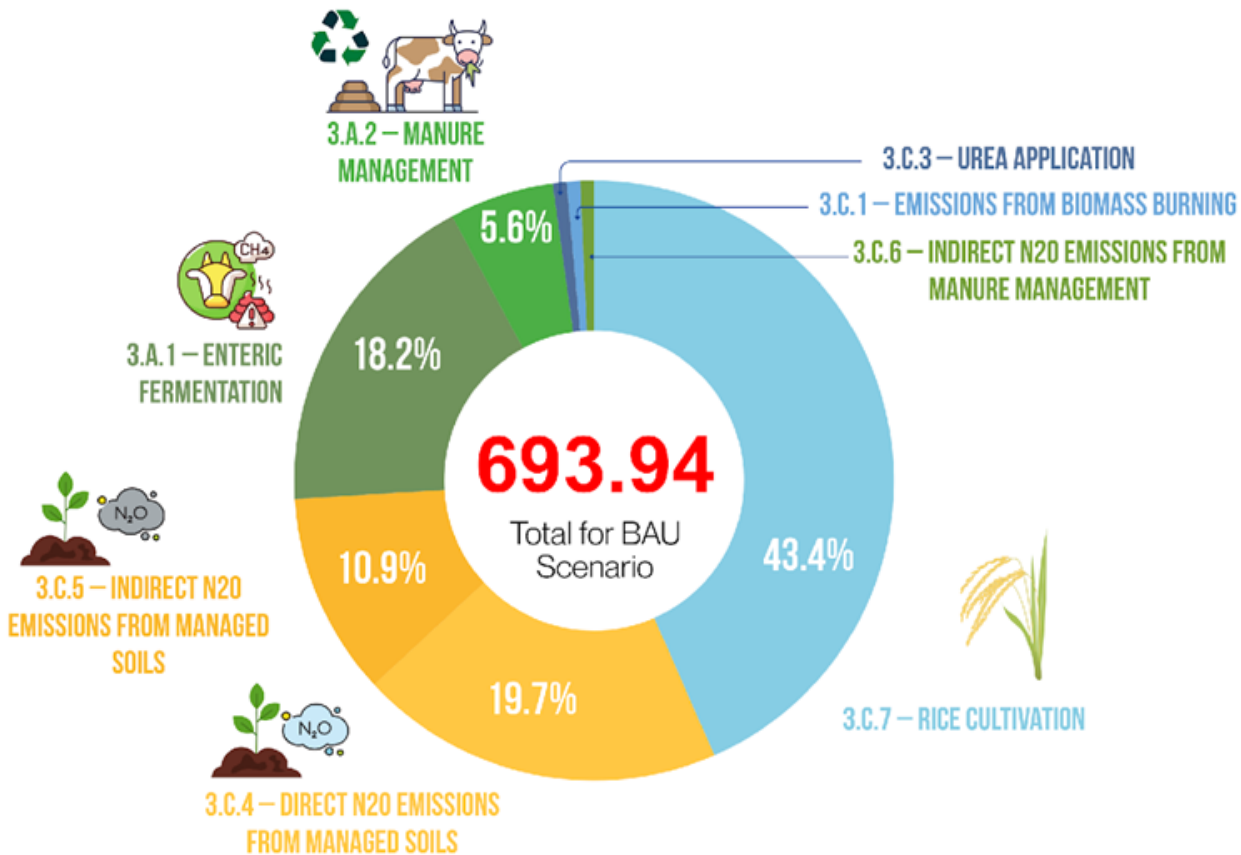
GEDSI
Gender Equality Disability Social Inclusion

JUST TRANSITION

Delivering emissions reductions

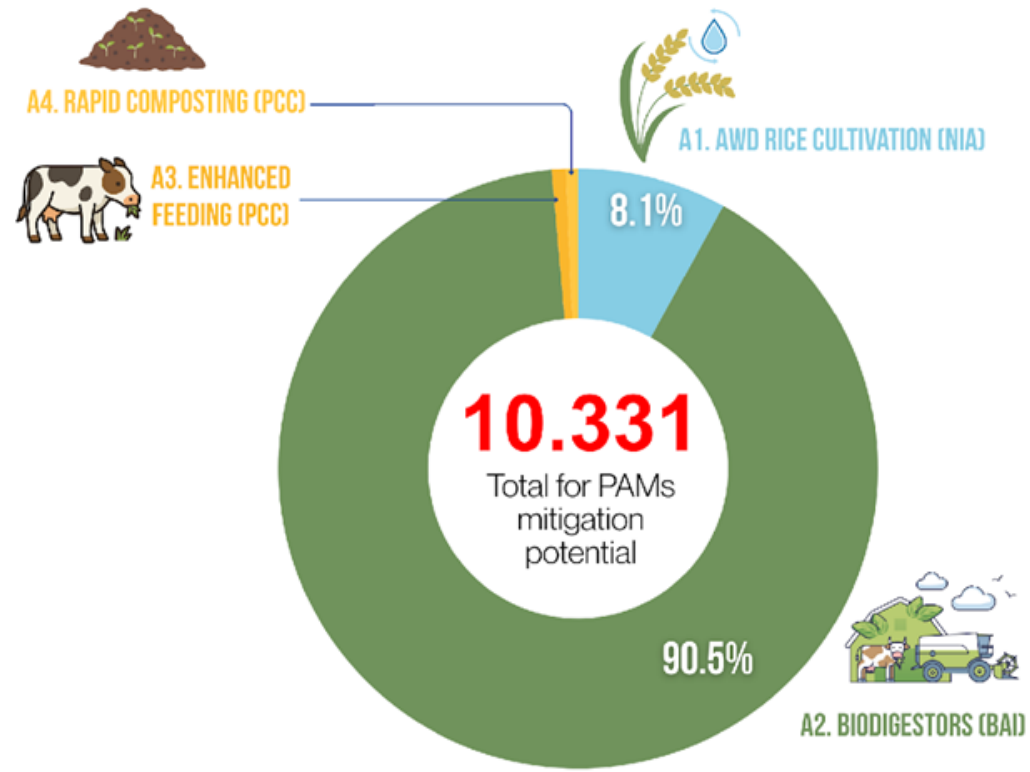
Impact of policies and measures on future emissions

BAU Scenario



2025 – 2035 Cumulative Total MTCO2e

PAMs mitigation potential



2025 – 2035 Cumulative Total MTCO2e

Source: Ricardo, Agriculture Sector Assessment Report Addendum: BAU Revision for NDC Consolidation (2025, p. 8).

Ambitious, realistic, implementable

NDC 2025 policies and measures overview

Existing Measures (Included in 2021 NDC)

Alternate Wetting and Drying (AWD)
Efficient irrigation to reduce methane in rice cultivation without compromising yields.

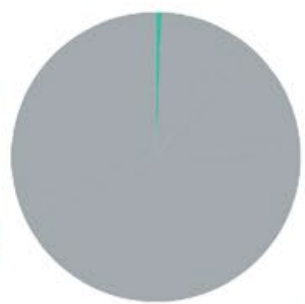
Biodigester & Nature-based Solutions (NAWRMP)
Sustainable livestock waste management converting manure into renewable energy.

Additional Measures (New for 2025 NDC)

Climate-Smart Feeding Rations for Buffalo
Improved feeding strategies to reduce methane from enteric fermentation.

Rapid Composting for Buffalo
Uses vermiculture or microbial inoculants to reduce methane and nitrous oxide from manure.

Agriculture
4 Policies and Measures



10.3 $MtCO_2e$
(2025 – 2035)

Looking ahead to implementation

Reflections on opportunities and challenges

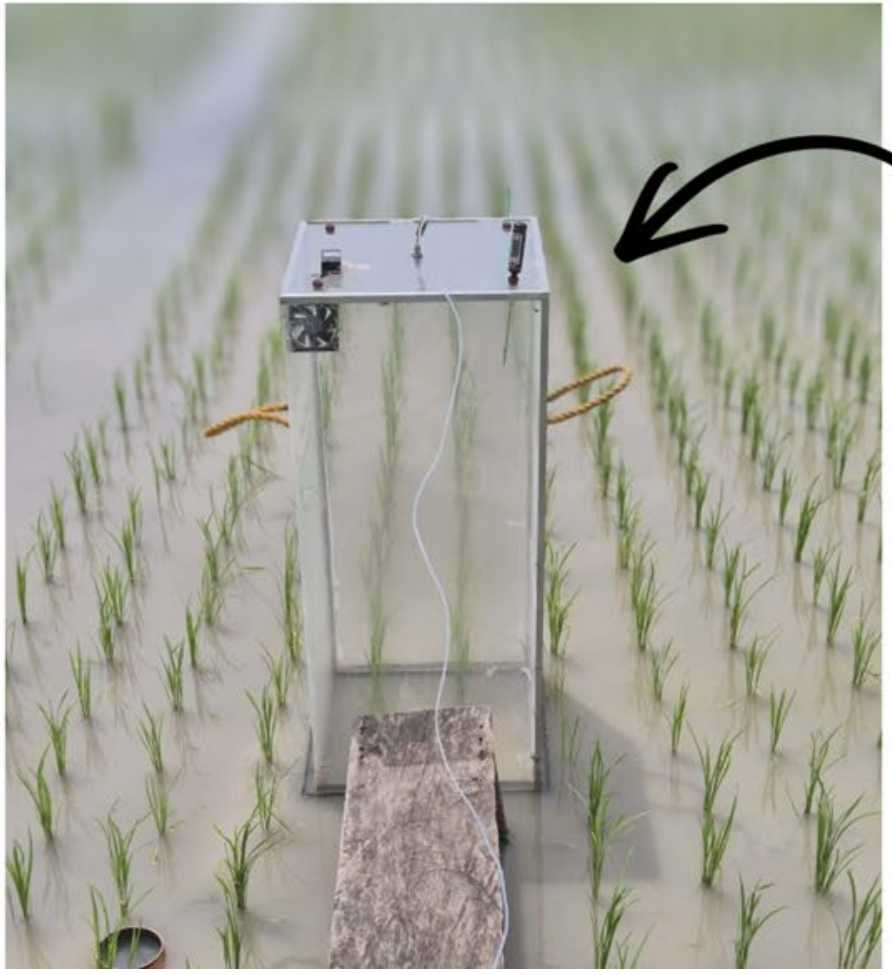
Agriculture Sectoral Opportunities, Challenges, and Lessons

- Establish a comprehensive Agriculture MRV system
- Improve GHG Inventory estimations
- Develop a comprehensive PAMs protocol
- Institutionalize documentation of climate data and actions
- Integrate DA units and relevant institutions

Looking ahead to Implementation

Reflections on Opportunities and Challenges

Agriculture Sectoral Opportunities, Challenges, and Lessons



Private Sector Participation

- Alternate Wetting and Drying (AWD)-Joint Crediting Mechanism (JCM)
- Biodigesters Investments

The New Agriculture is Climate-Resilient Agriculture

THANK YOU!

DEPARTMENT OF AGRICULTURE - CLIMATE RESILIENT AGRICULTURE OFFICE
Adaptation and Mitigation Initiative in Agriculture Program

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