

GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

GRA Council meeting, Online

11 September 2024

Paddy Rice Research Group

Co-Chairs:

Alvaro Roel (INIA, Uruguay)

Omar Ndaw FAYE (ISRA, Senegal)

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Summary of activity: Paddy Rice research Group

- No group meeting this year
- Web meeting in March led by GRA secretariat
- A project in Asia sub-group and two projects in America subgroup

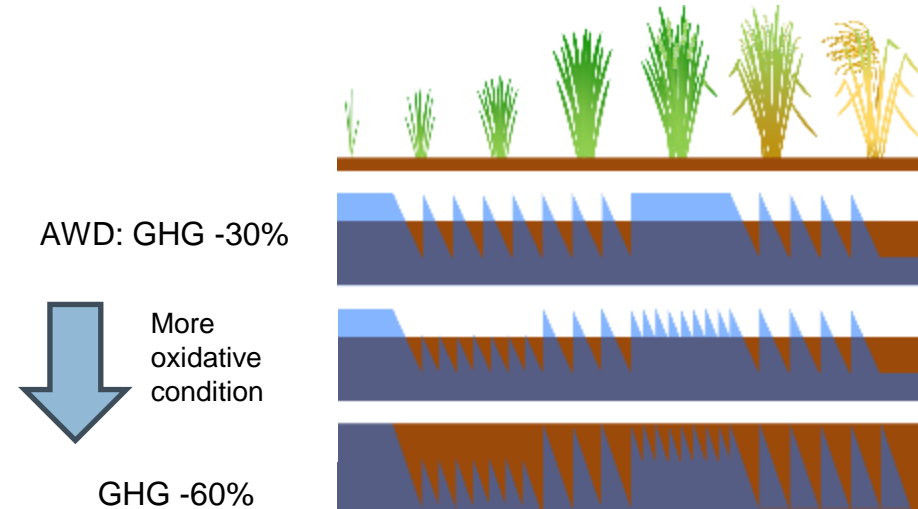


A project in Asia sub-group

Mitigation in Irrigated Rice Systems in Asia (MIRSA) -4 project (2023~: Japan, The Philippines, Vietnam)



To introduce GHG emission reduction technologies to a wide range of small-scale farmers in Southeast Asia, it is necessary to develop technologies that are adapted to local conditions, that can be easily used and that provide direct benefits to farmers, such as increased productivity, while effectively utilizing resources and the environment that are readily available in the region. To this end, we will develop (1) rice cultivation management technology that achieves both low methane emissions and high productivity, and (2) a GHG emission reduction system that utilizes livestock manure as a local resource, which can be implemented by small-scale farmers in Southeast Asia.



More oxidative water management with drought-tolerant rice variety to achieve more GHG reduction without yield penalty.

Two projects in America sub-group

- 1) Towards Sustainable Low-Methane Rice Production In Latin America (IICA: Inter-American Institute for Cooperation on Agriculture)
- 2) Satellite methane monitoring in rice growing regions of Latin America (Fontagro)




“TOWARDS SUSTAINABLE, LOW-METHANE RICE PRODUCTION IN LATIN AMERICA”



26 July 2024

1. **Brasil, Chile, Ecuador and Uruguay**
2. Duration: May 2024 - October 2026
3. Total project: US\$1.146.279
4. Grant: US\$998.779





Satellite methane monitoring in rice growing regions of Latin America

[Strategy 1. Farms](#)[Strategy 2. Territories](#)[Technological](#)[Applied](#)[Information System](#)[2022](#)

<https://www.fontagro.org/new/proyectos/monitoreo-metano/en>

This project aims to strengthen regional capacities for **monitoring, reporting, and verification of methane** emissions in rice ecosystems through **a satellite tool** that provides frequent, reliable, and free estimates to rice communities and governments.

