GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Paddy Rice Research Group Report

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3rd Co-Chair: Republic of Senegal



GLOBAL



Recent key achievements (1)



ON AGRICULTURAL GREENHOUSE GASES

- Americas Sub-Group Meeting
 - 14 May 2018, Piura, Peru
 - Participation of 6 Americas, 1 Europe
 - & 1 Asia members + CIAT, FLAR
- Asia Sub-Group Meeting
 - 2 September 2017, Tsukuba, Japan
 - Participation of 7 Asia & 1 Americas members + IRRI, CIAT
 - 12 October 2018, Bangkok, Thailand

- Adoption of an APEC capability building project
 - 10-12 October 2018, Bangkok, Thailand
 - In the week of 12 November, 2018, Osorno, Chile
 - Aiming at dissemination of AWD technology in Asia-Pacific countries
 - Proposed by Japan, New Zealand and Mexico, with co-sponsoring by Chile, Malaysia, the Philippines, Thailand, and Viet Nam

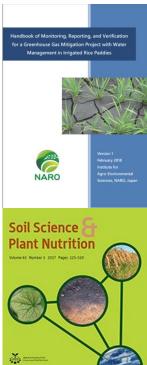


Recent key achievements (2)

GLOBAL RESEARCH ON AGRICULTURAL GREENHOUSE GASES

- Launch of a collaborative research project in Americas
 - **FONTAGRO** Project
 - "More rice with less emissions" and less water consumption"
 - Participating Countries: Colombia, Perú, Chile
 - Co-participants: CIAT, FLAR
- Launch of 2nd phase of the collaborative research project in Asia
 - Post-MIRSA (MIRSA3) project "GHG emission reduction, Soil C & N and yield maintenance, and Long-term estimation"
 - Fund contributor: MAFF of Japan
 - Participating Countries: Japan, Viet Nam, the Philippines, Indonesia

- Co-participants: IRRI
- Publication
 - Paddy rice MRV handbook, February 2018
 - **Special Section** 'Frontline research in mitigating GHG emissions from paddy fields' (10 original papers) in SSPN, February 2018
 - **Review of rice** mitigation options in Latin America and the Caribbean Reserv Sustainable and Low Greenhouse Gas Emitting Rice in MDPI, March 2018



la sustainability

Production in Latin America and the Caribbean: A Review on the Transition from Ideality to Reality

zashe Chirinda 1.ª, Laura Arenas 1, Maria Katto 1, Sandra Loaiza 1, Fernando Correa Manabu Isthitani¹, Ana Maria Loboguerrero¹², Deissy Martínez-Barón¹², Eduardo Graterol Santiago Jaramillo³, Carlos Felipe Torres⁴, Miguel Arango⁵, Myriam Guzmán⁴, Ivan Avila⁴ Sara Hube 7, Ditmar Bernardo Kurtz 4, Gonzalo Zorrilla 9, Jose Terra 9, Pilar Irisarri 19, Silvana arlera 11, Gabriel LaHue 12, Walkyria Bueno Scivittaro 12, Aldo Noguera 14 and Cimelio Ba

Main ambitions (1)



Research Collaboration

- Launch of new projects
 - Turning to rice cultivars for solving the methane puzzle in irrigated rice systems
 - "Mitigation of CH₄ emissions through the use of rice cultivars"
 - Participants: IRRI, CIAT, FLAR, CCAFS
 - CLIFF GRADS Scholarship
 - Sustainable rice production in Latin America
 - "Benchmark the economic and environmental sustainability"
 - Participating Countries: Colombia, Uruguay, Chile, Brazil
 - Co-participant: UIUC, CIAT, FLAR, AfricaRice

Main ambitions (2)



PRRG Communities

- Participation/communication of new partner organisations
- Involvement of more members
 - South Asia, Africa, & Europe
- 3rd Co-Chair

MIRSA3 Project

MITIGATION IN IRRIGATED RICE SYSTEMS IN ASIA PROJECT

- Japanese FYs 2018 2022 (for 5 years)
- Financially supported by the Ministry of Agriculture, Forestry and Fisheries, Japan
 - Budget size: about 1 million USD /5 years
- Not only mitigate GHG but also conserve the soils.

Field experiments in 3 SEA countries



