**New tools for monitoring, reporting, and verification of GHG emissions in rice**

**-Concept Note-**

**Background:**

Many countries have identified their Nationally Determined Contributions to the Paris Agreement, including mitigation targets in agriculture. To assist the implementation of these targets, having reliable systems for monitoring, reporting, and verification (MRV) of GHG emissions and reduction is essential. IRRI and its partners have developed dynamic tools to support MRV in rice:

1. GHG calculator for accounting at different levels specialized for rice systems (SECTOR)
2. Carbon footprint calculator covering all stages of the rice value chain (CF-Rice)
3. Mapping tool for climatic suitability of the Alternate Wetting and Drying irrigation technology in rice production (MapAWD)
4. Cost-benefit assessment tool for mitigation options in rice production (Rice-CBA)

These tools have high relevance for setting up MRV systems in rice production as well as for national inventory of GHG emissions. They have either been designed as universal approaches (#1, #2 and #3) or can easily be modified for country-specific settings (#4). Therefore, we propose a webinar titled “*New tools for monitoring, reporting, and verification of GHG mitigation in rice”* to present these tools to a broad audience consisting of policy makers, researchers, and relevant stakeholders in rice-growing countries.

**Purpose:** This webinar aims at promoting the application of new MRV tools in rice production for planning and implementing cost-effective mitigation programs, contributing to achieving countries’ NDC targets.

**Specifics of the Webinar:**

* **Title:** New tools for monitoring, reporting, and verification of GHG mitigation in rice
* **Organizer:** GRA and IRRI
* **Date:** 28 April 2021, 18h (GMT+7)
* **Target group:** GRA Paddy Rice Research Group (PRRG), researchers, government officers from rice-growing countries
* **Objectives:** 
  + To inform a broad audience of interested researchers and policy makers of new MRV tools and show-case their potential applications;
  + To gather feedback from potential users of these tools and identify country-specific needs, e.g. for capacity building; and
  + To strengthen cooperation within the GRA Paddy Rice Group and between the GRA and IRRI

**Webinar program**

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| **Time** | **Content** | **Presenter** |
| 0-10min | Welcome and Introduction | GRA PRRG Co-chairs |
| 10-17min | Overview of new tools  Introduction to GHG calculator tool – **SECTOR** | Bjoern Ole Sander, IRRI |
| 17-25min | Carbon Footprint analysis along the rice value chain – **DISPLAY** | Katie Nelson, IRRI |
| 25-32 min | Mapping suitability area for Alternate Wetting and Drying irrigation – **MapAWD** | Bui Tan Yen, IRRI |
| 32-40min | Cost-benefit analysis tool – **COMPARE** | Lincoln Davis, UNIQUE |
| 55-60min | Summary of feedback and wrap-up | Bjoern Ole Sander, IRRI |

Two in-depth sessions for questions and answers for two time zones will be organized in the first week of May after participants had the chance to try out the tools.