

WEBINAR

The Rice Activity Monitoring and Reporting system
A digital tool to support country GHG inventory and MRV

INTRODUCTION

In recent years, there has been a growing demand for the development of a Measurement, Reporting, and Verification (MRV) system for the rice sector in many Southeast Asian (SEA) countries. However, most countries lack a digital system to track performance and progress toward emission reduction targets, hindering the implementation of national mitigation actions to achieve Nationally Determined Contribution (NDC) ambitions, green growth strategies, and low-emission policies.

While several MRV platforms developed by organizations can support rice decarbonization projects, they are often unsuitable or too costly for regional or national-scale applications. Additionally, recent advancements in MRV technology, such as modeling, machine learning, and satellite imagery, show promise but require further research and significant upfront investments before becoming viable. The absence of a national-level MRV system poses a considerable challenge for countries seeking to demonstrate their achievements in climate mitigation efforts and access climate finance opportunities.

To address this challenge, a multi-step approach to MRV development can be highly effective. In recent years, the International Rice Research Institute (IRRI) has focused on bridging gaps in the Monitoring and Reporting components of MRV to assist rice-producing countries in establishing low-cost MRV systems that accurately assess emissions, reduce investment risk, identify mitigation opportunities, and track progress toward emission reduction targets.

Since 2022, with financial support from the New Zealand Ministry for Primary Industries through the Agricultural Greenhouse Research Center (NZAGRC), CGIAR initiatives and other donors, IRRI has collaborated with international and national research partners to develop and validate the Rice Activity Monitoring and Reporting System (RiceMoRe) in Vietnam. The system has been officially adopted by the Ministry of Agriculture and Rural Development of Vietnam and is currently being implemented in various agroecological regions, covering approximately 75% of the country's rice planting areas.

Our scoping studies in other SEA countries have revealed similar rice management structures and reporting lines to Vietnam. These countries also lack digital platforms for crop management and supporting tools for rice MRV. This highlights the potential for replicating the RiceMoRe system across the SEA region.

The objectives of this webinar are to share our success story and lessons learned from the development and implementation of RiceMoRe in Vietnam, as well as to explore opportunities to support other countries in the SEA region.

TENTATIVE PROGRAM

Organizers: co-organized by IRRI and the Paddy Rice Research Group of the Global Research Alliance

Meeting mode: Zoom meeting

Registration is available at https://us02web.zoom.us/webinar/register/WN_nv8_L-f9QwSZWTuTy1nsCA#/registration

Time and date: 08:30 am-10:00 am (ICT), 27th November (Wednesday)

Time	Content	Responsible	Organization
08:30 - 08:40	Opening remarks	Dr. Yasuhito Shirato	GRA
08:40 - 09:00	Requirements for MRV in the rice sector	Dr. Katherine Nelson	IRRI
09:00 - 09:20	Introduction to RiceMoRe	Dr. Bui Tan Yen	IRRI
09:20 - 09:50	Open discussion and collaboration opportunities	All participants	
09:50 - 10:00	Wrap-up and closing remarks	Dr. Virender Kumar	IRRI