

Cropping calendar construction model for rice production in Madagascar, Senegal

Project Title: P1578 - AfricaRice contribution to RICE Flagship Project 3

Description of the innovation: Excel-based decision support tool that can generate, compare and visualise opportunities for single/double/triple cropping systems consisting of irrigated rice and optionally a vegetable/legumes

New Innovation: No

Stage of innovation: Stage 1: discovery/proof of concept (PC - end of research phase)

Innovation type: Production systems and Management practices

Geographic Scope: Multi-national

Number of individual improved lines/varieties: <Not Applicable>

Country(ies):

- Senegal
- Madagascar

Description of Stage reached: This tool was developed and published in 2016. Field validation testing has been conducted in Senegal since 2019. Latest version includes climate change scenario for 2050, and we assessed impact of climate change and changes in practices in three locations in Africa (see evidence link).

Name of lead organization/entity to take innovation to this stage: AfricaRice - Africa Rice Center

Names of top five contributing organizations/entities to this stage:

- WUR - Wageningen University and Research Centre
- AfricaRice - Africa Rice Center

Milestones: No milestones associated

Sub-IDs:

- 10 - Closed yield gaps through improved agronomic and animal husbandry practices
- 34 - Enhanced capacity to deal with climatic risks and extremes (Mitigation and adaptation achieved)

Contributing Centers/PPA partners:

- AfricaRice - Africa Rice Center

Evidence link:

- <https://tinyurl.com/2yupys54>
- <https://doi.org/10.1016/j.eja.2016.06.012>

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- Rice - Rice