

An assessment of irrigated rice production energy efficiency and environmental footprint with rice straw management practices

Project Title: P1602 - GHG mitigation in rice: From evidence-based concepts to adoption at scale

Description of the innovation: <Not Defined>

New Innovation: Yes

Stage of innovation: Stage 3: available/ ready for uptake (AV)

Innovation type: Production systems and Management practices

Geographic Scope: <Not Defined>

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

Description of Stage reached: IRRI participated in a comparative analysis to identify the environmental impact of contrasting straw management options on basis of the energy balance and productivity of rice farming. The research paper provides scientific evidences for improved rice straw management and is published as a journal article.

Name of lead organization/entity to take innovation to this stage: IRRI - International Rice Research Institute

Names of top five contributing organizations/entities to this stage: <Not Defined>

Milestones:

- National governments, agri-food companies and agricultural development actors use improved emissions data and tools to support farmers' use of LED practices (e.g. for efficient fertilizer use)

Sub-IDs:

- 8 - More efficient use of inputs
- 31 - Reduced net greenhouse gas emissions from agriculture, forests and other forms of land-use (Mitigation and adaptation achieved)
- 46 - Increased capacity for innovation in partner development organizations and in poor and vulnerable communities

Contributing Centers/PPA partners:

- IRRI - International Rice Research Institute

Evidence link: <https://cgspace.cgiar.org/handle/10568/106662>

Deliverables associated:

- D19018 - An assessment of irrigated rice production energy efficiency and environmental footprint with in-field and off-field rice straw management practices (<https://tinyurl.com/ydgshnjx>)



Contributing CRPs/Platforms: <Not Defined>