

Category	: International Rice Research Conference
Select Theme	: Food systems for the future
Endorsement email	:
Keyword 1	: Value chain analysis
Keyword 2	: The future of food (systems)
Keyword 3	: Strategic foresight
Title of Entry	: Future markets and upgrading strategies for rice straw value chains in Vietnam
Presenting author	: Ong Quoc Cuong
Presenting author email	: oqcuong@ctu.edu.vn
Co author 1	: Matty Demont, Isabella Kremer
Co author 2	: Nguyen Van Hung, Reianne Quilloy, Martin Gummert
Affiliation presenting author	: PhD student in Agricultural Economics, University of the Philippines Los Baños; Agri-food Policy Platform, IRRI.
Affiliation 1	: Agri-food Policy Platform, IRRI
Affiliation 2	: Sustainable Impact Platform, IRRI
Select only one type of presentation	: 15 minute oral presentation

Abstract : We conducted a multi-stakeholder workshop with experts from agriculture and the food and energy sectors to identify future markets for rice straw and developing strategies for upgrading rice straw value chains in Vietnam. The workshop featured four interconnected exercises: (i) mapping of value chains and identifying institutions and policies; (ii) establishing influencing factors and opportunities; (iii) exploring future market opportunities; and (iv) identifying upgrading strategies. Participants were divided into three groups, each targeting a different end-market for rice straw: (i) agricultural uses; (ii) food and feed; and (iii) energy and industry. In terms of future markets for agricultural uses, Vietnamese stakeholders proposed organic fertilizer, crop mulching, and biochar. For future food and feed markets, the stakeholders agreed that high quality rice straw for exports is the most promising product. Stakeholders also saw potential in value-added products from mushrooms, and substrate products for planting as a future opportunity that needs to be developed. When looking at future markets for energy and industry, stakeholders identified fruit wrapping paper as most promising, followed by bioplastics and biofuels. This study also explored the constraints, upgrading strategies, and risks of investing in alternative rice straw markets. Implementation time of policies was identified to be a major constraint, and reducing this time was proposed as an upgrading strategy. Current rice cultivation practices of farmers were identified as constraints as they may limit demand for agricultural use of straw and awareness campaigns were proposed as an upgrading strategy. In the food and feed sector, processing technology was identified as a major bottleneck and supporting policies for technology research, and improvement of technology were proposed as upgrading strategies. However, a potential risk of these strategies was identified to be a lack of highly skilled human resources. Finally, high costs of collecting rice straw and limited technologies for energy production from rice straw were perceived as the bottlenecks for the energy and industry sector and the proposed upgrading strategies focused on research collaboration and technology transfer.

[Read more»](#)

Uploaded Files »

No files found.

