

Category	: International Rice Research Conference
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Keyword 1	: Mechanization
Keyword 2	: Gender-responsive practices
Keyword 3	: Yield gaps
Title of Entry	: Improving Appropriate Scale Mechanization for Small-holder Farmers
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Select only one type of presentation	: 15 minute oral presentation

Abstract : Improving appropriate scale mechanization for small holder farmers especially women was designed for the context of Cambodia. It is a collaboration project between Oxfam non-government organization and Faculty of Agricultural Engineering, Royal University of Agriculture during two years period from March 2016 to February 2018. The main purposes of the project are to enable small scale farmer to access to appropriate agriculture technology through improve agricultural mechanization education research and development and to promote self-sustainable knowledge hub for small-scale agricultural machinery production across the agriculture sector through facilitate the establishment of multi stakeholder’s network to improve agricultural mechanization. It also reduces yield gaps and gender responsive practice in agriculture sector. The project has developed, tested and modified some imported and local made agricultural machinery such as two-row transplanter, feed grinder (hammer mill), dry drum seeder and motorize rapper following the conditions of Cambodia, thanks to Mr. Gerald Hitzler, German agricultural machinery expert and students of the faculty. The project selected Takeo, Kampot and Kampong Speu provinces of Cambodia to cooperate with farmers for field testing, to collaborate with local manufacturers for commercialization produce and repair service. As the results, 7 local manufacturers were provided 3 trainings and networking, 13 field demonstrations were demonstrated with 517 farmers (56.86% female), and 25 undergraduate students (20% female) joined us. In addition, 1500 utilization manuals of the prototypes were published.

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