Objective

The project objectives are to increase rice crop yields and improve grain quality for DSR by developing weed management methods under two lowland agroecosystems.

Expected scientific results

- Documenting the importance of the weed seedbank and the growing environments for weed pressure and control.
- Identifying and understanding the performance of the available mechanical weeding tools and the development of new mechanical tools.
- Identifying vigorous rice varieties and their performance for weed control.
- Identifying varieties that germinate under anaerobic conditions to improve weed control.
- Understanding the performance of drones for land mapping, weed identification and herbicide spraying.

Expected impact/outcomes

- Develop diverse Integrated weed management (IWM) packages that are adapted to local conditions and are described and validated with farmers.
- Adopting suitable IWM packages to support the deployment of DSR and allow farmers to capture the benefits of DSR.
- Offer farmers options for weed control through new weed control service providers.

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