

FAO WS 30 November 2022

Trade-off between soil C sequestration and CH4 emission from rice paddies

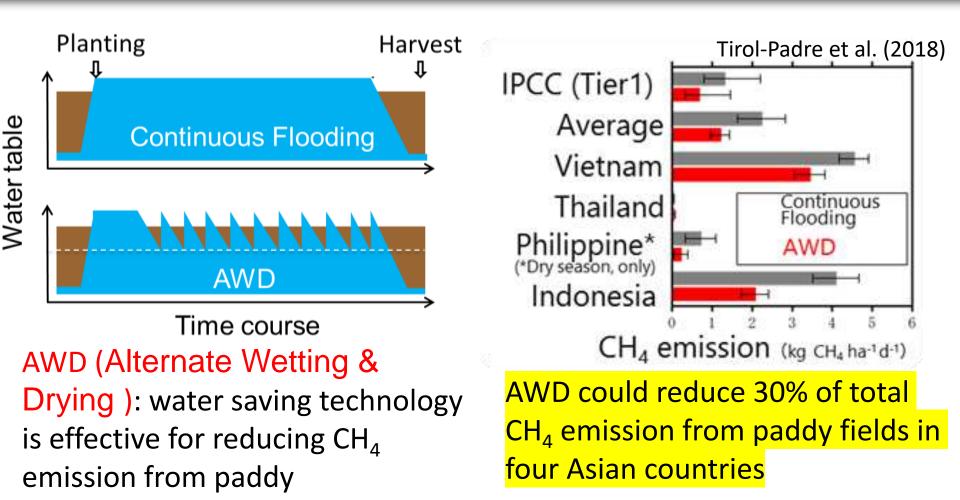
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NARO

MIRSA (Greenhouse Gas Mitigation in Irrigated Rice Paddies in Southeast Asia) project







Supported by MAFF, Japan

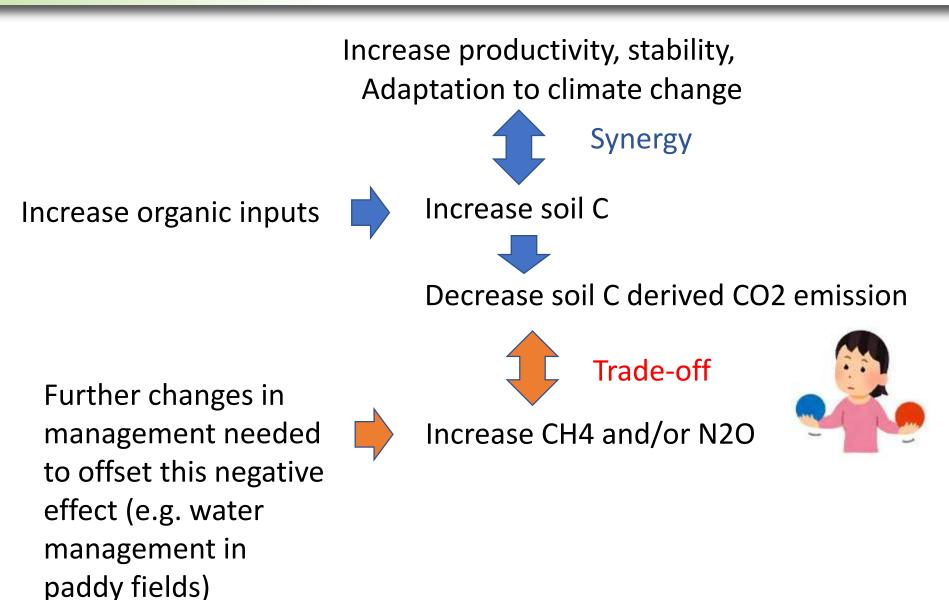


Insisting triple win: GHG mitigation, soil conservation and sustainable food production in Indonesia, the Philippines and Vietnam **/ietnam** e Philippines Indonesia

- Field monitoring of GHG and rice growth
- Modelling soil carbon and GHG
- Soil organic matter mechanism study

Considering synergy and trade offs





Japan uses soil C model for GHG



- inventory
 IPCC tier 3 method (modelling)
- Effective for taking more detailed environmental conditions into account
- Can be used for developing NDC (future projection)
- Models are effective also to consider trade-off

