

CCPAP III subsector priority actions - Fisheries



- Improving climate tolerant seed and brood stock for aquaculture and stock enhancement
- Managing and rehabilitating critical fisheries habitats in response to climate resilience
- Promoting good postharvest practices via using renewable energy efficiency along fisheries value chains
- Strengthening capacity of community fisheries in response to CC (knowledge, skill, financial sustainability and operation)

Innovation - its key role in achieving both enhanced productivity and sustainability, current status and challenges

- **Agroecological agriculture:** Soil conservation, crop diversity, reduced GHG emission, increased soil organic carbon, reduced agrochemical use, etc.
- **Alternated wet-dry cycle (AWD)** of water management for rice crop: Reduced methane emission, and water saving (No yield penalty)
- **Digital agriculture and AI:** Solutions for crop monitoring, fertilizer optimization, yield forecasting, production estimate, and assessment of crop damage by climate-related disasters



International cooperation: Cambodia and Japan

On-going initiative:

The project for development and social implementation of greenhouse gas emission reduction technologies in paddy fields (AWD) of northwest provinces. The aims are:

- Methane emission reduction from paddy field by improving water management and contribute to climate change mitigation.
- Poverty reduction in rural area through improving productivity of rice and increasing income using carbon credit scheme.

Call for future cooperation:

“Applying digital agriculture map of farmlands and soil analysis data based on satellite and AI technology to optimize chemical fertilizer application rate, reduce cost of fertilizer inputs, reduce greenhouse gas emission (Nitrous oxide), and increase farmers’ income through carbon credit generation”