The project objective is to add value and improve the resilience of selected agriculture value chains, focusing on smallholder farmers and agro-entrepreneurs in targeted districts of Assam. Keeping in line with the development objective of APART, the WorldFish contributed to the following project components:

1. Sustainable Intensification of Aquaculture - to enable sustainable increases in aquaculture production without creating adverse socio-economic or environmental impacts

2. Increasing Diversity and Productivity of Beels - to secure and enhance the contribution of small-scale fisheries to food security in Assam

3. Improving Fish Value Chains and Human Nutrition - to increase the availability, access, and consumption of nutrient-rich, safe fish, especially for women of reproductive age, infants, and young children

4. Climate-resilient and smart aquaculture technologies - to develop and promote resilient climate technologies in support of sustainable aquaculture and small-scale fisheries

5. Gender Transformative Approaches in aquaculture and fisheries - to promote gender transformative approaches in support of sustainable aquaculture and beel fisheries in Assam
Contribution to Outcomes

206 farmers practicing rice-fish farming
428 hectares of area under improved best management practices (beel, rice-fish integrated systems and carp-mola polyculture)

Innovations developed
- Better management practices (BMPs) for Indian Major Carp hatcheries in India (Read more)
- Better Management Practices (BMPs) for climate resilient paddy-cum-fish integrated farming in Assam, India (Read more)
- Better Management Practices (BMP) for Beel (wetland) fisheries in Assam, India (Read more)
- Standard operating procedure (SOP) for tagging Indian major carps with Passive Integrated Transponder (PIT) tags in India (Read more)

Capacity Development
1,211 Short-term trainees (30% are women)
Topics:
Best Management Practices, gender, fish value chain, carp-mola polyculture, Beel fisheries management, fish feed, hatchery upgradation, quality fish seed production

References
Retrieved from DSpace: https://hdl.handle.net/20.500.12348/4610

Suresh Rajendran, 2020 ARIASS Assam Agribusiness & Rural Transformation (APART) Third Six Months report (Apr 2020-Sept 2020)
Retrieved from DSpace: https://hdl.handle.net/20.500.12348/4614

Acknowledgements
This work was undertaken as part of the CGIAR Research Program on Fish Agri-Food Systems (FISH) led by WorldFish. The program is supported by contributors to the CGIAR Trust Fund.

Funding support for this work was provided by ARIASS.