

Society and Technology Interface Team

What we do

The Society and Technology Interface Research Team is a part of the Aquaculture Systems Theme within the Institute of Aquaculture. We use a range of research tools to participate in interdisciplinary thematic projects:

- *System design and innovation*
- *Aquaculture for nutrition and income*
- *Fish as part of global food systems*
- *Resource efficiency, lifecycle assessment*
- *Industry dynamics and value chain analysis*
- *Sustainable intensification*
- *Knowledge management and networks*
- *Impacts on people and communities*
- *Animal Welfare*

The team are presently involved in the following projects: Newton Fund (BBSRC/DFID/DBT) IMAQulate; EU Horizon 2020 EURASTIP, PRIMEFISH, AQUAEXCEL; IMMANA-funded MefANIG; Darwin Initiative-funded mangrove oysters; Erasmus+ funded BlueEDU; GIF-supported development of a Challenge Fund for Aquaculture in poverty relief; Newton Institutional Link-funded Bolti.

Leverhulme IMMANA funded MefANIG



Metric For Aquaculture Nutritional Impact for Girls (MefANIG) is a project involving partners in Bangladesh, Cambodia, Denmark and Scotland. The two year project aims to develop a metric usable by field practitioners to inform their nutritional advice to rural communities engaged in farming seafood. In particular, the metric will focus on the needs of vulnerable adolescent females for whom good nutrition has an intergenerational impact in line with the 1000day movement.

Horizon 2020 funded Primefish



PrimeFish is assessing the European seafood market, focusing on five specific seafood supply-chains: cod, herring, trout, seabass, seabream and salmon. The main aim is to develop simulation/forecasting models for analysing changes in competitiveness, prediction of instability of demand and supply (including warning signs for “boom and bust” cycles) and for indication of potential for product innovation success.

The Team



Dave Little
Fish as food, Social impacts



John Bostock
Systems analysis, networks



Francis Murray
Value chain analysis



William Leschen
African aquaculture and networks



Nicola Bissett
Research administrator



Kirsten Strachan
Research administrator



Richard Newton
Life cycle assessment



Jamila Rizgalla
Immunomodulators in fish and shrimp production



Pierre Olivier Marquart
Black soldier fly production and use of insects as fish feed



Dimitar Taskov
Competitiveness analysis



Simao Zacarias
High welfare shrimp hatchery practices



Shui Yan
Tilapia production and trade

Newton Institutional Link funded Bolti



Behavioural prophylaxis informing improved culture system design and management for enhanced fish health and sustainable intensification of the Egyptian tilapia industry. The aim of this project is to assess how modifications in pond system design and management that improve water quality and allow behavioural adaptation by fish can enhance health outcomes. The project is being implemented with Kafrelsheikh University in collaboration with Europharma UK, WorldFish Centre Egypt and Egyptian Union of Fishermen Cooperatives.