



# EnviroNmEntal MOnitoring of Underwater Fish Farms (NEMO)

NEMO represents a first preliminary step towards a full monitoring of a typical underwater fish farm and consists of using the networking and the Internet access functionalities provided by acoustic underwater modems to build up a four-node underwater sensors network for water quality monitoring around submersed cages.

## Objectives

- Evaluating the applicability of acoustic communication and networking underwater technologies to the water quality monitoring in underwater fish farms.
- Development of an energy harvesting device to convert the sea streams kinetic energy into electrical energy to be used to recharge the battery of the underwater nodes.

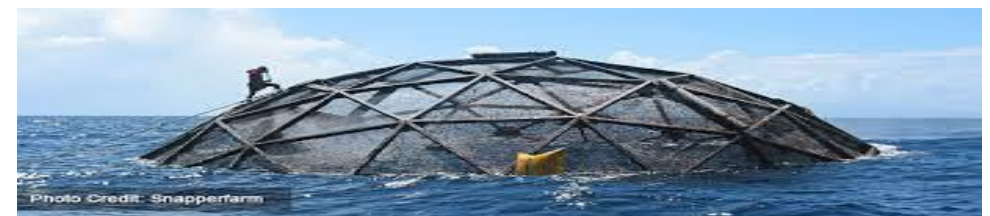
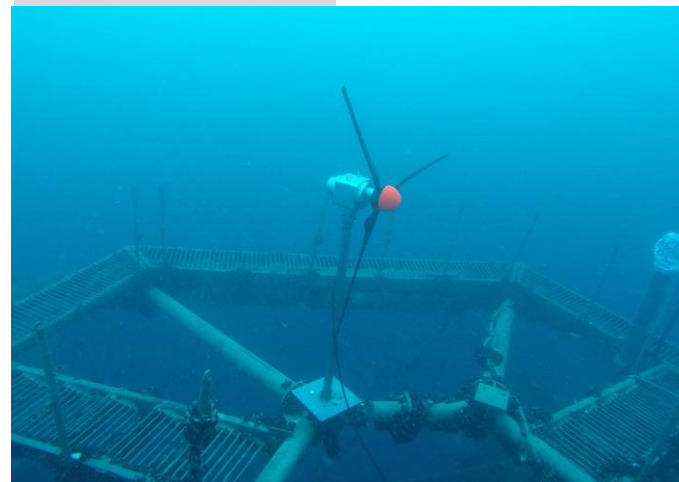
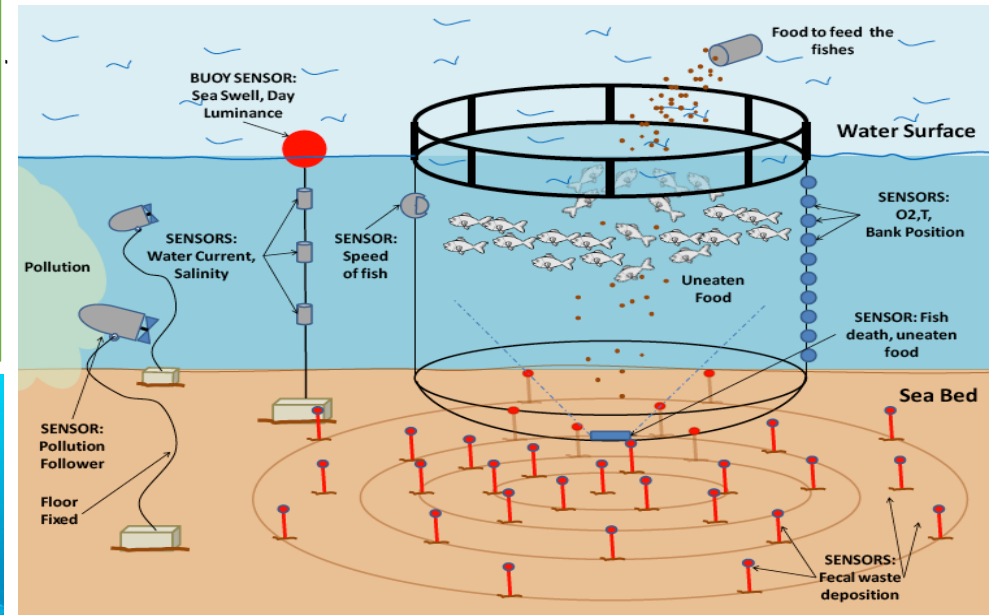


Photo Credit: Snapperfarm

**Call:** EC FP7 Programme under Grant Agreement 611449

**Type of Action:** Research and Innovation Action

**Acronym:** SUNRISE/NEMO

**Duration:** 36 months

**Start Date:** 2013-09-01

**Estimated Project Costs:** € 5.320.023,00

**Requested EU Contribution:** € 4.036.000,00

**Contact:** Prof. Alessandro Casavola

[a.casavola@dimes.unical.it](mailto:a.casavola@dimes.unical.it)