Big data technology and near real-time production tracking to improve small-scale fisheries management

**Project Title:** P1618 - Inspire Challenge Winner 2018: An Integrated Data Pipeline for Small Fisheries

**Description of the innovation:** A digital catch documentation system combined with tamper-proof, solar powered trackers (developed by partner Pelagic Data Systems) provides near real-time small-scale fisheries production and effort information to government fisheries managers on a decision dashboard using open-source software.

**New Innovation:** Yes

**Stage of innovation:** Stage 4: uptake by next user (USE)

**Innovation type:** Research and Communication Methodologies and Tools

**Geographic Scope:** National

**Country(ies):**
- Timor

**Outcome Impact Case Report:** <Not Defined>

**Description of Stage reached:** National level uptake of the innovation by the government of Timor-Leste in May 2019 as their official fisheries monitoring system. 359 solar-powered tracking devices were installed on fishing boats in Timor-Leste. "plan to install 500 in 2020.

**Name of lead organization/entity to take innovation to this stage:** WorldFish - WorldFish

**Names of top five contributing organizations/entities to this stage:**
- PDS - Pelagic Data Systems
- Wilderlab

**Milestones:**
- 3.1.4. Successful piloting of five Inspire grantees in Africa and South Asia, and up to four new pilot Inspire projects around Big Data related innovations assigned.

**Sub-IDOs:**
- 43 - Enhanced institutional capacity of partner research organizations

**Contributing Centers/PPA partners:**
- WorldFish - WorldFish

**Evidence link:** <Not Defined>

**Deliverables associated:** <Not Defined>

**Contributing CRPs/Platforms:**
- Fish - Fish