

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-IDs:

- 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