



SAFI
Support to Aquaculture and the Fishery Industry
Grant Agreement No. 607155

D9.1 - In Situ Data Catalogue

Publishable Summary

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REVISION RECORDS

Issue	Date	Updates	Authors
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TABLE OF SIGNATURES

This document has been approved by:

Date	Name, Title, Beneficiary	Signature
30/07/2015	Antoine Mangin, SAFI Coordinator, ACRI-ST	

Period covered by the project: 01/10/2013 – 30/09/2016 (36 months)

Type of funding scheme: Collaborative Project - small or medium-scale focused research project

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1 PUBLISHABLE SUMMARY OF THE DOCUMENT

1.1 PROJECT SUMMARY

The objective of SAFI project (SAFI standing for “Support to Aquaculture and Fishery Industry”) is to exploit Earth Observation (EO) resources to support fishery and aquaculture industries in marine coastal regions.

The service, based on additive value brought by a network of SMEs, is adapted to each category of targeted users.

By making the best use of emerging EO products, the project aims at developing services to assist aquaculture deployment (optimization of cages location with respect to environmental and ecological context) and environmental monitoring during operations as well as supporting fishery by providing indicators of recruitments, abundances, and shell/fish locations (and its variability due to climate change). In this perspective, SAFI fosters the use of the latest generation of satellite sensors and in particular those on-board the future ESA Sentinel missions (Sentinel 2 and 3).

The capacity of exportation and acceptance of the developed services will be then evaluated on several pilot sites in Europe (Spain, Portugal, Ireland, and France) and demonstrated in Morocco.

Finally, SAFI also allows the set-up of a network of SMEs at different levels of expertise (and EO awareness) required by the service in order to build a consistent and marketable offer.

The project will finally lead to the development, deployment and evaluation of an integrated decision-support tool based on a web-GIS, broadcasting SAFI indicators to the various user concerned (industrials, public administrations in charge of fishery or aquaculture planning, EO service providers, great public) that will be fed by a service of EO high level data processing.

1.2 DELIVERABLE SUMMARY

Coming under the heading of work package 9, the deliverable D9.1 (“In situ Data Catalogue”) is the synthesis list of *In situ* Data (IS) used in the project.

The document briefly summarize the input data used for the case studies planned in the frame of SAFI: assessment of the recruitment, the stock abundance, the maturation and the potential habitat of small pelagic fishes, as well as support to optimal site location for aquaculture farms and near-real time monitoring of the environment. For each case study the partners involved describe the parameters, the time lapse of data available, and the basic characteristics of the variables and their pre-processing needed (if any), to prepare them for the correlation studies and indicators implementation within WP10.

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