



SAFI

Support to Aquaculture and the Fishery Industry

Grant Agreement No. 607155

D7.1 - EO And Model Data Catalogue, Draft

Publishable Summary

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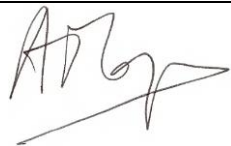
	<p style="text-align: center;">SAFI – Support to Aquaculture and Fishery Industry D7.1 - EO And Model Data Catalogue, Draft</p>	<p>Version v1.0 Date : 31/03/2015 Grant Agreement No : 607155</p>
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REVISION RECORDS

Issue	Date	Updates	Authors
v0.9	22/12/2014	Creation	Chloé Vincent (ACRI-ST) Philippe Bryère (ACRI-ST) Marta Rufino (IPMA)
v1.0	19/01/2015	Revision and complements by the consortium	Marta Rufino (IPMA) Catherine Lecouffe (COFREPECHE)

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Date	Name, Title, Beneficiary	Signature
31/03/2015	Antoine Mangin, SAFI Coordinator, ACRI-ST	

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

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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, 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 7, Deliverable 7.1 (“EO And Model Data Catalogue 1”) in its first version represents the synthesis list of the Earth Observation and model data exploited for the setup and for near-real time operation of SAFI services.

After a short introduction to the document, this report reminds the general strategy of the project regarding the indicators setup, the various pilot sites and the validation methodology (chapter 3). For each case study, partners involved in the setup of the corresponding indicators have made requests for Earth Observation and model data, and statistics. The data provision requests received and processed by WP7 up to the submission date of this document are also presented.

The last chapter finally presents all the datasets identified in SAFI, at first through a general overview of the parameters, and then through a detailed characterisation including the justification of the choice of such parameters for SAFI analysis.

This first version of the report is published after a first milestone in the definition phase for SAFI services (release of SAFI service definition document v1), and during the deployment of the correlations and analysis of the first datasets available for the development of SAFI indicators. It is thus a first snapshot of the data needs for the consortium, which will evolve and be updated all along the project.

A final updated version of this document will be issued in October 2015 (M24) to confirm the exploitation of the parameters described here, after the quality control and analysis on the relevance for indicators’ with WP7 and WP10 partners, which are planned during the next year of the project.



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