



SAFI

Support to Aquaculture and the Fishery Industry

Grant Agreement No. 607155

D11.3 - Service Commissioning Report

Executive Summary

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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 finally leads 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

This deliverable entitled “Service Commissioning Report” (D11.3) presents the compliance between the developed system and services at the end of the SAFI project and the 55 specifications items defined in the “SAFI Service Definition” document. The specification items considered cover the general functionalities of the system and services, as well as specific functions of each of the two SAFI tools, namely the SAFI Mini-web and the SAFI web-GIS tools. The list of data/products required was also compared with the actual data available –either collected from external databases or generated by SAFI project itself. All these comparisons are summarised in a compliance matrix.

The compliance matrix shows that only 1 mandatory function was not implemented due to strategical reasons and another one could not be fully made available. All the data required was accessible, yet some products were difficult to integrate and to publish in the 2 tools. These are recorded as future implementation targets for the follow-on of SAFI activities after the end of the project.

In addition, the implementation of the SAFI system proved to be very flexible, considering new specification arising in the last year of the project. These tools and functionalities were implemented in synergy with the exploitation prospects identified by WP13, and user iterations from WP5 (dissemination activities) and WP6 (training). At the end, SAFI tools were found very relevant by the users consulted so far, and particularly those attending the Rabat end-users final meeting (see deliverable on Users’ feedback D6.2). Such results could be achieved in particular thanks to the consequent efforts made by WP11 teams to comply with evolving users’ requirements, and the corresponding system specification.