



HiSEA DELIVERABLE 3.4

OUTLINE OF THE OPEN RESEARCH DATA PILOT

WORK PACKAGE NUMBER: 3

**WORK PACKAGE TITLE: SERVICE SPECIFICATIONS AND USER
REQUIREMENTS**



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RE

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Executive Summary

This deliverable provides the outline of the Open Research Data Pilot for the HiSea Platform. This deliverable describes how HiSea aims to improve access to and use of data generated by the project. Therefore, we point to the Data Management Plan (D3.4) and the possible repositories which will be used as central publication and metadata repository.





1 Introduction

HiSea aims to provide a set of services focused on different coastal user's needs (navigation safety, ports operations, aquacultures, etc.) allowing to exploit the added value of integrated Earth Observation (EO) technologies (satellite, airborne and ground based), Copernicus Marine Service and ICT to deliver customized and ready to use information. These services will provide an easy way to get in-situ data, local high-resolution forecasts and products and services (e.g. meteo-oceanographic conditions at specific locations, identification of optimum or critical working windows, support to sea pollution response actions, etc.) to a broad range of different users.

The Open Research Data Pilot (ORDP) of the European Commission enables open access and reuse of research data generated by Horizon 2020 projects. There are two main pillars to the Pilot: developing a Data Management Plan (DMP) and providing open access to research data, if possible. The conditions to fulfil are:

- Develop (and keep up-to-date) a DMP;
- Deposit the data in a research data repository;
- Ensure third parties can freely access, mine, exploit, reproduce and disseminate the data;
- Provide related information and identify (or provide) the tools needed to use the raw data.

The Pilot applies to:

- data (and metadata) needed to validate results in scientific publications;
- Other curated and/or raw data (and metadata) that specified in the DMP.

Although, as referred, it is not expected that HiSea will generate large amounts of data (as its focus is the services and not the data) the HiSea consortium will do the best to create, from the beginning, the proper conditions to fulfil the above described requirements.

Some of these requirements area already taken care (case of the DMP) and the remaining will be addressed during the project lifetime.

In line with the principles of Open Access to research data and publications generated through H2020 programmes, HiSea participates in the Open Research Data Pilot carried out by the European Commission. As such, a Data Management Plan has been created to deal with the data collected and generated during the project, and central data, publications, and metadata repositories have been identified. This document points to the DMP (D3.4) and introduces the first selection of repositories.





2 Data Management Plan

The Data Management Plan (DMP) is a key element of good data management. Within the HiSea project, a DMP has been provided as deliverable (D3.2). The DMP describes the data management life cycle for the data to be collected, processed and/or generated by HiSea project. As part of making research data findable, accessible, interoperable and re-usable (FAIR), the DMP include information on the handling of research data during & after the end of the project, the collection of data, the methodology and standard to be applied, the accessibility and the preservation of the data.



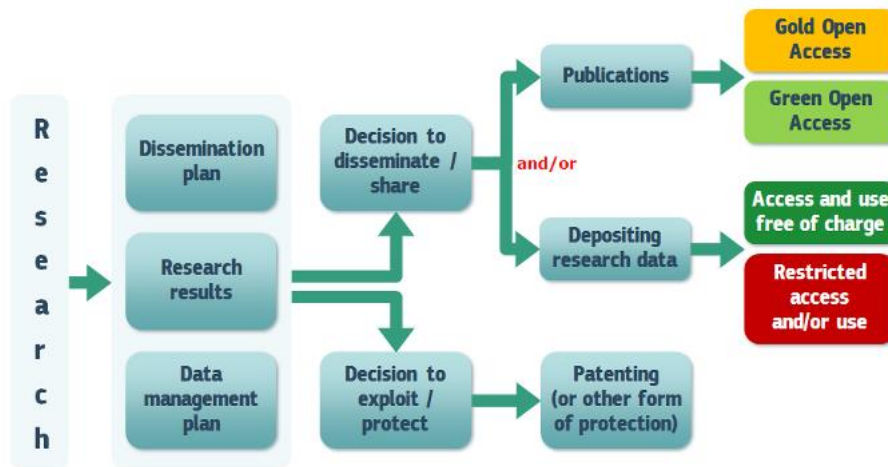
Data Management plan (Deliverable 3.2)





3 Data and Metadata Repository

HiSea is developing services focused on different coastal user’s needs allowing to exploit the added value of integrated Earth Observation. HiSea project aims to have a commercial service at the end of the project, therefore most of the information and data will not be openly available. However, HiSea is committed to the research community. The research data (data underlying publications, curated data and/or raw data), will be placed in a data repository and will be freely accessible to individuals, consortia, working groups, and institutes. HiSea will make sure a link to the repository is included in any peer-reviewed scientific research HiSea articles



Squamation of the Open Access.

Source: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/open-access-data-management/open-access_en.htm



4 Publications Repository

Open access (OA) refers to the practice of providing online access to scientific information that is free of charge to the end-user and reusable. “Scientific” refers to all academic disciplines. In the context of research and innovation, “scientific information” can mean:

- peer-reviewed scientific research articles (published in scholarly journals), or
- research data (data underlying publications, curated data and/or raw data).

HiSea aims to make all publications open access. As such, it is expected that all publications such as peer-reviewed scientific research articles, conference proceedings, and other public documentation will be available in the HiSea webpage or in the Joint Research Centre (JRC).

The screenshot shows the homepage of the JRC Publications Repository. At the top left is the European Commission logo. The main header reads 'JOINT RESEARCH CENTRE Publications Repository - Your online access to JRC's research publications'. Below this is a navigation bar with 'Home', 'Advanced Search', and 'Help' links, and a search input field. The main content area starts with a 'Welcome to the JRC Publications Repository' message, followed by a search bar and a 'Recent JRC Publications' section. The featured publication is 'JRC117104 - GHSL Data Package 2019' with a 'View details' button.

Screen captures of the Joint Research Centre (JRC).





5 Links and References

- <https://www.openaire.eu/>
- <https://ec.europa.eu/jrc/en>
- <https://www.cessda.eu/>

AtlantOS, 2016, *Data Management Handbook*

Carval Thierry, 2016, *Catalogue of data and platforms at Network GDAC level, including the example of Copernicus In Situ TAC*. IMN/IDM/ISI/FM/16-024.

Columbus Project, 2017, *Use and sharing of marine observations and data by industry*

Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata

Corrigendum to Commission Regulation (EC) No 1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards metadata

Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)

Draft Commission Regulation (EU) No/... of [L] Implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial s and services

EN ISO 8601:2004 Data elements and interchange formats – Information exchange – Representation of dates and times

