User-driven applications and tools for Climate-Informed Maritime Spatial Planning and integrated seascape management, towards a resilient & inclusive Blue Economy

D1.6 – Updated Data Management Plan

WP1 – Project Management

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0.7	**31/05/2025**	**Final Submission**	**-**	**Eirini Marinou (GSH)**

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Table of Contents

1 Executive Summary

This intermediate version of the Data Management Plan (DMP) provides updates from the initial version, deliverable D1.5 which was submitted at project month 6. This document named “D1.6 Updated Data Management Plan” is connected to Task T1.2 “Data management plan” of Work Package (WP) 1 “Project Management”, led by Geosystems Hellas (GSH). This report describes the progress in data generation, metadata standards, data storage, data access and preservation strategies, as well as GDPR compliance. Notably, several new datasets have been created across WPs, improvements in findability and accessibility have been implemented, and internal questionnaires were completed to track partner compliance with GDPR, FAIR principles and data ethics. This is a living document evolving during the lifetime of the project. This is the intermediate DMP on M18 and there is one more version to follow, the Final DMP on M32 covering the post-project period as well. The DMP will be updated and adjusted regularly if needed always in line with the progress of the project.

The main focus of this deliverable is to provide the progress made so far for all data collected and/or generated during the project. This DMP identifies best practices and specific standards, taking into account fundamental rights and ethically related constraints, related to the access, storage, and curation of the data that will be collected in the project.

For the creation of this Data Management Plan, the template issued for the implementation of the EU projects funded under Horizon Europe was used as guidance.

List of Tables

List of Figures

Table 1. List of Acronyms/Abbreviations

Acronym Abbreviation	Explanation
CAP	Climate Adaptation Planning
CC	Climate Change
CERN	Conseil Européen pour la Recherche Nucléaire/ European Organization for Nuclear Research
CI-MSP	Climate-Informed Maritime Spatial Planning
D	Deliverable
DMP	Data Management Plan
DOI	Digital Object Identifier
EC	European Commission
FAIR	Findable, Accessible, Interoperable and Re-usable
GA	Grant Agreement
GDPR	General Data Protection Regulation
GML	Geography Markup Language
GSH	Geosystems Hellas
IPR	Intellectual Property Rights
M	Month
O-DSP	OCEANIDS Decision Support Platform
OGC	Open Geospatial Consortium
QA	Quality Assurance
QAP	Quality Assurance Plan
WFS	Web Feature Service
WMS	Web Map Service
WP	Work Package

2 Introduction

OCEANIDS aims at building user-driven applications and tools, which act as an enabling technological layer for regional authorities and stakeholders to achieve a more resilient and inclusive systemic pathway to a Blue Economy in coastal regions. Bringing spatial and non-spatial data & services under a single-access window platform for Climate-Informed Maritime Spatial Planning (CI-MSP), the project will allow a more integrated seascape management of coastal regions. The project delivers a Decision Support tool (OCEANIDS Decision Support Platform - O-DSP), with an overarching target to collect, harmonise and curate existing climate data services, making data accessible, reusable and interoperable for the development of local adaptation strategies. Furthermore, CC (Climate Change) adaptation measures should consider local ecology, economy, society, politics, and technology. Therefore, the definition of Climate Adaptation Planning (CAP) must consider specific local socio-economic contexts. OCEANIDS facilitates access to knowledge, data & digital services critical for better understanding and managing climate risks, enhancing adaptive capacities and supporting transformative innovations. All the data collected and/or processed for the deployment of the OCEANIDS tools and the overall implementation of the project shall follow certain practices and specific standards established by the European Commission (EC). Taking into account fundamental rights and ethically related constraints, related to access, storage, and curation of these data, a concise DMP is presented to monitor this procedure. The DMP falls under the WP1 which consists of the following Tasks:

- Task 1.1: “Project management and coordination towards objectives” [M1-M32]
- **Task 1.2: “Data management plan (DMP)” [M1-M32]**
- Task 1.3: “GDPR and Ethics (social, gender and inclusivity) aspects” [M1-M32]

This document is the report presenting the intermediate DMP version of the OCEANIDS project. It is one of the outputs of **Task 1.2: “Data management plan (DMP)” [M1 -M32]** and represents the sixth deliverable of the WP1. The following sub-sections present the scope and objectives, as well as the structure of the document.

2.1 Scope and Objective of the deliverable

Once a project is selected for funding it is mandatory to provide an extensive DMP within the first 6 months of the project. Thus, the previous version entitled deliverable D1.5 “Data Management Plan”, served as the initial DMP which had as a main objective to report and define the data collected throughout the OCEANIDS project, and make sure that they comply with the FAIR data principles[1] (Findable, Accessible, Interoperable, Reusable). Moreover, it

[1] https://www.go-fair.org/fair-principles/

presented how the data are stored, in which repository and how they are preserved. This version of the DMP covered all the information provided during the proposal phase but in a more details and exhaustive manner. The current version reflects the ongoing developments in the data lifecycle across the OCEANIDS project, building upon the initial DMP and will be updated in the final version (D1.7) at M32. It includes updates on FAIR data practices, repository use, new datasets, ethics management, and interoperability efforts.

2.2 Structure of the Deliverable

This document consists of the following chapters:

- **Chapter 2** includes the Introduction, main scope and structure of the deliverable
- **Chapter 3** provides information regarding the general background of the data management principles
- **Chapter 4** presents the summary of the data of the OCEANIDS project
- **Chapter 5** provides information about the FAIR data
- **Chapter 6** presents the Ethics and Intellectual Property issues
- **Chapter 7** summarises the conclusions of this deliverable

2.3 Relation to other projects and tasks

The WPs of the OCEANIDS project are interconnected as can be seen in **Figure 1**. The first WP, WP1, is directly connected to all WPs as it serves as the main WP of the overall project management, playing a pivotal role in managing all activities conducted under the other WPs. Within this context, WP1 is responsible for documenting all the principles and fundamental rights concerning the data collection and distribution among partners in the project. Task 1.2 and WP1 are interrelated with all other Tasks and WPs, defining the guidelines and process to achieve optimal handling of the data collected throughout the project, which should be followed and applied by all OCEANIDS partners.

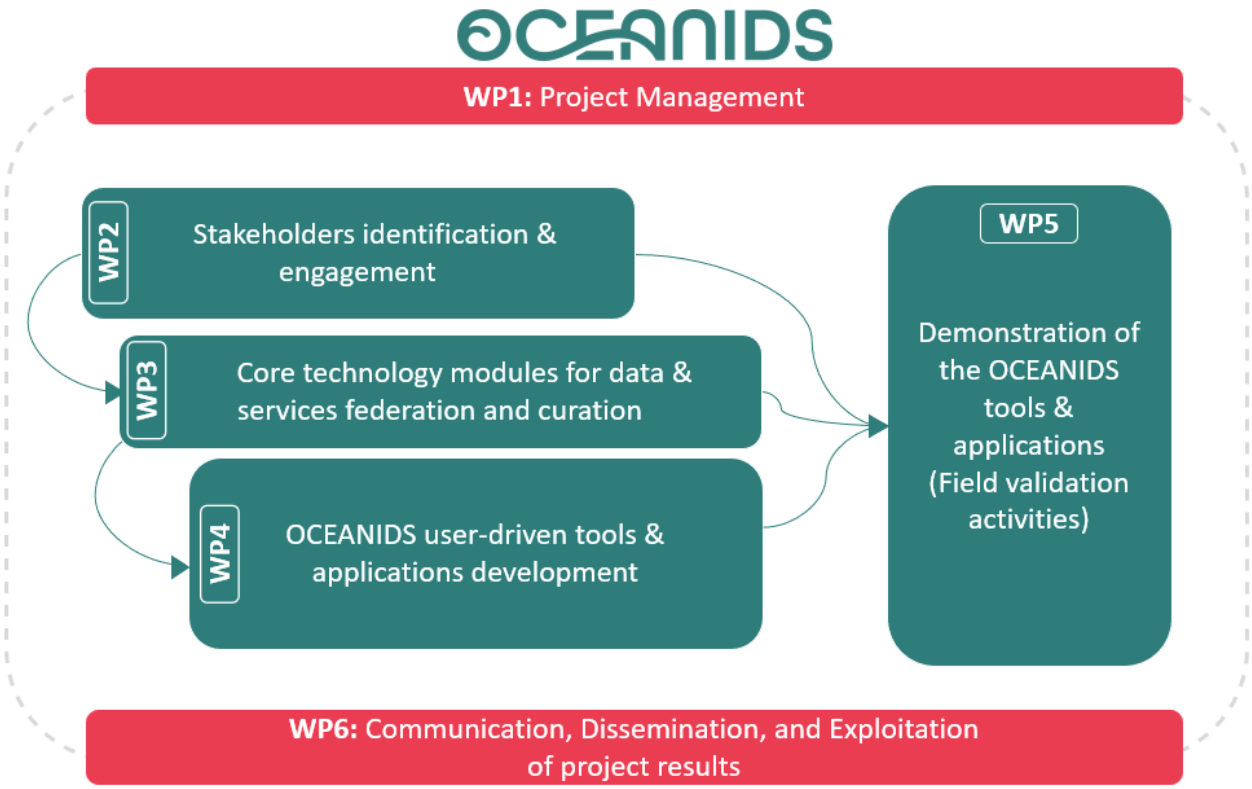

Figure 1. OCEANIDS WPs structure workflow

2.4 Summary of Data Collection and Updates

Since deliverable D1.5:

- New datasets from WP2, WP3, and WP4 were identified and will be added, including climate data cubes and stakeholder feedback results.
- Datasets were integrated into the Zenodo repository.
- Questionnaire responses were compiled from partners to update metadata and dataset usage.

3 General Principles of Data management (Updated)

A concise and detailed DMP is a key requirement under the Horizon Europe programme, outlining how data is collected and/or processed throughout the project, making it a mandatory component. The OCEANIDS project fully adopts the principles and policies set forth by the European Commission to implement **Open Science**[2], and robust **research data management**. The consortium of the OCEANIDS project embraces the principles of Open Science ensuring that all project data, whether geospatial, climate-related, observational, social, or stakeholder-generated, is **Findable, Accessible, Interoperable** and **Re-usable (FAIR)**[3].

3.1 Open Science principles

The majority of data generated through the OCEANIDS project will be made available as **Open Access research data**, which practically refers to the right to access and re-use digital research data under the terms and conditions set out in the Grant Agreement (GA). Openly available data can be accessed, exploited, reproduced and disseminated free of charge for external users, either experts or non-experts. The consortium's Open Science strategy extends to **publications, datasets, software, workflows**, and associated metadata, promoting full transparency and reproducibility.

3.1.1 Open Science: Open Access to Scientific Publications

Under the Open Science principles and based on the GA of the OCEANIDS project, the beneficiaries must ensure immediate open access **to peer-reviewed scientific publications** (refers to the evaluation of work by one or more people usually with similar competencies as the producers of the work) related to their results from the project. More specifically, the following practices are applied:

- A machine-readable electronic copy of each published version or the final peer-reviewed manuscript accepted for publication is deposited in a trusted repository compatible with scientific publications, such as **Zenodo** (see section 5.2).
- Immediate open access is provided to the deposited publication via this repository, under the latest available version of the **Creative Commons Attribution International Public License** (CC BY) [4] or a license of equivalent rights. The CC BY license enables re-users to distribute, remix, adapt and build upon the material in any medium or format, as long as attribution is given to the creator of the work. The license allows for commercial use, and it contains the following elements as depicted in **Figure 2**.

[2] https://rea.ec.europa.eu/open-science_en
[3] https://www.go-fair.org/fair-principles/
[4] https://creativecommons.org/share-your-work/cclicenses/

Figure 2. CC BY license elements

- Through this repository information will be given about any research output or any other tools and instruments needed to validate the conclusions of the scientific publication.

All the beneficiaries/authors must retain sufficient **Intellectual Property Rights (IPR)** to comply with the open access requirements. The **metadata** of deposited publications must be open under the Creative Common Public Domain Dedication (CC0). The CC0 enables scientists, educators, artists and other creators and owners of copyright- or database-protected content to waive those interests in their works and thereby place them as completely as possible in the public domain, so that others may freely build upon, enhance and reuse the works for any purposes without restriction under copyright or database law.[5] The provided information must include at least the *author(s), title, date of publication, publication venue, Horizon Europe Funding, GA number, project's name, acronym, the authors involved in the action and their organisations.*

3.1.2 Open Science: Research Data Management

The OCEANIDS **research data management** is in line with the FAIR principles, enriched with the following actions:

- Establishment of a DMP with **regular updates**. The consortium of the OCEANIDS project shall deliver and update on time the Initial DMP (D1.5), the current intermediate DMP (D1.6), and the final DMP (D1.7) to ensure consistency among the data and metadata.
- Upload and deposit the data set out in DMP, in a trusted repository, such as **Zenodo** (see section 5.2)

All datasets identified in the DMP are uploaded to trusted repositories, primarily Zenodo, with clear versioning, licensing, and citation mechanisms. The DMP also ensures the inclusion of machine-actionable metadata using community standards such as DCAT-AP, ISO 19115, and schema.org, enabling harvesting and reuse through cataloguing services and the European Open Science Cloud (EOSC). Moreover, where applicable, software outputs (e.g., EO processing code, platform APIs) are deposited with appropriate documentation and an open-source license (e.g., MIT, Apache 2.0).

[5] https://creativecommons.org/public-domain/cc0/

3.1.3 *Open Geospatial Consortium Standards (OGC)*

The OGC Standards are based on the FAIR principles (Findable, Accessible, Interoperable, and Reusable) geospatial information. OGC Standards are used to ensure interoperability and maximize the value of geospatial data. Developed through consensus, and backed by government and organizations across the globe, OGC Standards provide the stable platform upon which geospatial innovation is built. OGC's free and open geospatial Standards define interoperable approaches to Data Encoding, Data Access, Data Processing, Data Visualization, and Metadata and Catalogue Services. [6]

OCEANIDS heavily relies on **OGC standards** to structure, disseminate, and access geospatial data. This includes use of:

- **Web Map Service (WMS)**
- **Web Feature Service (WFS)**
- **Geography Markup Language (GML)**
- **GeoTIFF**, **NetCDF**, and **GeoJSON**

These standards are critical for ensuring **interoperability** between the project's EO Data Cubes, external systems such as **GEOSS** and **Copernicus Data Space**, and user-facing platforms like the **OCEANIDS Decision Support Platform (O-DSP)**. The OGC framework enables consistent **data encoding, access, processing,** and **visualization**, forming a foundation for the integration of climate, environmental, and social datasets in a unified seascape management system.

To support and operationalize these standards, **CREO (CTI)** has developed and deployed a dedicated **GeoServer infrastructure** as part of the project's backend services. This server ensures that OGC-compliant datasets, such as those formatted in NetCDF, GeoTIFF, and GML, are served correctly and efficiently through WMS and WFS endpoints. The GeoServer also acts as the publication layer for the OCEANIDS EO Data Cubes, enabling **dynamic querying, map visualization,** and **integration with the EO-P** and **O-DSP** and other external data consumers. This implementation ensures full compliance with FAIR data principles and enhances accessibility for both internal users and external stakeholders.

3.1.4 *Contribution to European Data Spaces and Data Governance Act Alignment*

The OCEANIDS project proactively aligns with the EU's **Data Governance Act (EU 2022/868)** [7]and contributes to the goals of emerging **European Data Spaces**[8], particularly in the **marine, climate,** and **biodiversity domains**.
Where relevant, OCEANIDS ensures that:

- Data independence is respected, especially in relation to public authority data and user rights.

[6] https://www.ogc.org/standards/
[7] https://www.oecd.org/en/publications/access-to-public-research-data-toolkit_a12e8998-en/european-data-governance-act-dga-regulation-eu-2022-868_920b8b28-en.html
[8] https://digital-strategy.ec.europa.eu/en/policies/data-spaces

- Cross-border data reuse conditions are clarified in line with European legislation.
- Shared data infrastructures (e.g., via CREODIAS or DIAS platforms) can interoperate with sectoral data spaces.

This future-proof approach enhances the long-term value and accessibility of project data across research, policy, and innovation ecosystems.

4 Data summary (Updated)

This section provides an overview of the data types that are used, generated and shared in the OCEANIDS project. Within the project, there are multidisciplinary data, originating from remote sensing, climate simulations, stakeholder engagement and some related to biodiversity assessments. These **types** and **formats** are identified during the project and will be introduced, along with their **purpose**, **size** (if known) and their **origin/source**. The OCEANIDS datasets are diverse in downloadable formats, and fully compliant with the OGC Standards.

4.1 File Formats Used

The **formats** present in the OCEANIDS project are the following:

1. **Raster and vector data formats**:
   PNG, BMP, XML, GML, SAFE, GeoTIFF and GeoJPEG JPG 2000, GML file formats for satellite imagery and spatial data.
2. **Web geospatial services**:
   WFS, WMS for delivering outputs via OGC-compliant services, hosted on the OCEANIDS **GeoServer** developed by CREO (CTI).
3. **Geospatial vector data**:
   2D /3D shp and GeoJSON
4. **Compressed archives**:
   ZIP / MrsID and other public domain compressed archives
5. **Documents and maps**:
   PDF/GEOPDF formatted documents
6. ***Multimedia content****:*
   WMV, MP4 or AVI formats *for possible videos*
7. **Tabular and gridded scientific data**:
   CSV, GRIB2, NetCDF for climate and meteorological data

Links to some of the data, especially in terms of publications, posters, videos etc. are also available on the project website and the OCEANIDS Zenodo repository. These formats are selected for their **interoperability**, **visualization compatibility**, and **archival stability**, ensuring long-term usability across both internal systems (e.g., E-OP, O-DSP and Asana) and external platforms (e.g., Zenodo, CREODIAS).

4.2 Data Generation Across Work Packages

The OCEANIDS project will generate and manage data across multiple phases and thematic domains. The expected categories of data include:

a) **(WP2) – Stakeholder and Policy Analysis**
   Requirements-gathering data (e.g., surveys, interviews), stakeholder classifications, port authority feedback, and governance mapping.

b) **(WP3 & WP4) – EO Processing and Technical Components**
   Outputs including EO Data Cubes (in NetCDF and/or CSV format), risk models, and performance metrics from AI-based EO analysis. These are hosted on the CREODIAS infrastructure and served through the GeoServer instance for use in the EO-P and OCEANIDS Decision Support Platform (O-DSP).

c) **(WP5) – Pilot Validation Data**
   Field testing, usage analytics, training logs, and evaluation feedback collected from pilot activities. This includes both quantitative performance metrics and qualitative user feedback.

d) **(WP6) – Communication and Dissemination**
   Materials such as newsletters, infographics, policy briefs, presentations, video content, and datasets accompanying public deliverables.

4.3 Data Hosting and Availability

All public datasets are made accessible through the **OCEANIDS Zenodo community** (https://zenodo.org/communities/oceanids-project), ensuring persistent identifiers (DOIs), metadata traceability, and long-term availability.

Internal datasets used during project development and coordination are hosted securely via the **Asana** workspace, with access managed by GSH and WP leaders.

Where applicable, data visualizations and access tools will be embedded in the **OCEANIDS DSS** (T4.3), which will integrate the outputs from WP3, WP4, and WP2 in a geospatially enabled, user-friendly interface for policy actors and local stakeholders.

5 FAIR data (Updated)

This section presents all the necessary measures to ensure that the data either collected or generated satisfy the acronym FAIR:

- **Findability**: This term includes any identifiers, keywords, metadata standards, and other principles/practices that will optimize the finding or re-use of these data by a third party.
- **Accessibility**: Information regarding the repository in which the data will be uploaded and stored, the access to the data itself (open access, access protocols and restrictions aspects), and accessibility and availability of the metadata.
- **Interoperability**: The vocabularies, standards, formats or methodologies that will be used to enable data exchange, re-use and interoperability.
- **Reusability:** Provide information on the expected documentation, such as explaining methodology, codebooks (if any), variables etc.

The FAIR framework underpins the design of the **OCEANIDS Data Management Plan (DMP)** and informs both internal coordination and external sharing of research outputs, in compliance with **Horizon Europe** and **Open Science** guidelines.

5.1 Making Data Findable

Standard data models and vocabularies already in use in the context of EO, climatic and biodiversity data will be adopted to ensure the knowledge will be widely diffused to be processable and reused by external platforms and digital services. A complete Glossary has been created and is attached here in **ANNEX 1** to ensure the (Meta)data is findable.

- Metadata associated with datasets follows **ISO 19115**, **DCAT-AP**, and **schema.org** standards.
- Each dataset or publication deposited in **Zenodo** is assigned a **persistent identifier (DOI)**.
- All files include descriptive titles, keywords, creator names, and links to related outputs (e.g., publications, code).

As the project evolves, metadata are refined and expanded through periodic DMP questionnaire rounds (see Section 6).

5.2 Making data accessible/Dedicated repository

To support open access and long-term preservation, OCEANIDS uses two core infrastructure systems:

5.2.1 Zenodo Repository (External/Public Data)

For the OCEANIDS project, a dedicated repository has been established to publish and host all shareable data, under **Zenodo.org**[9]. The Zenodo community is already acting as a one-stop-shop for data generated by EU projects and, thus, makes it easier for the data to be discovered by interested parties, as depicted in **Figure 3**.

Zenodo is a Centre-backed research data repository, developed under the European OpenAIRE program and operated by CERN (Conseil Européen pour la Recherche Nucléaire/ European Organization for Nuclear Research), for the long-tail of science, enabling researchers to preserve and share their research output from any science, regardless of the size and format. Moreover, is an innovative and easy-to-use web platform, which allows uploading, curating and sharing of the research data through an easy-to-use web interface and integration with other collaboration and data-sharing services. This repository ensures the discovery and citability of the research output by assigning a Digital Object Identifier (DOI) to every upload, as well as promotes software citation and preservation through one-click integration with GitHub (Nowak et al, 2016).

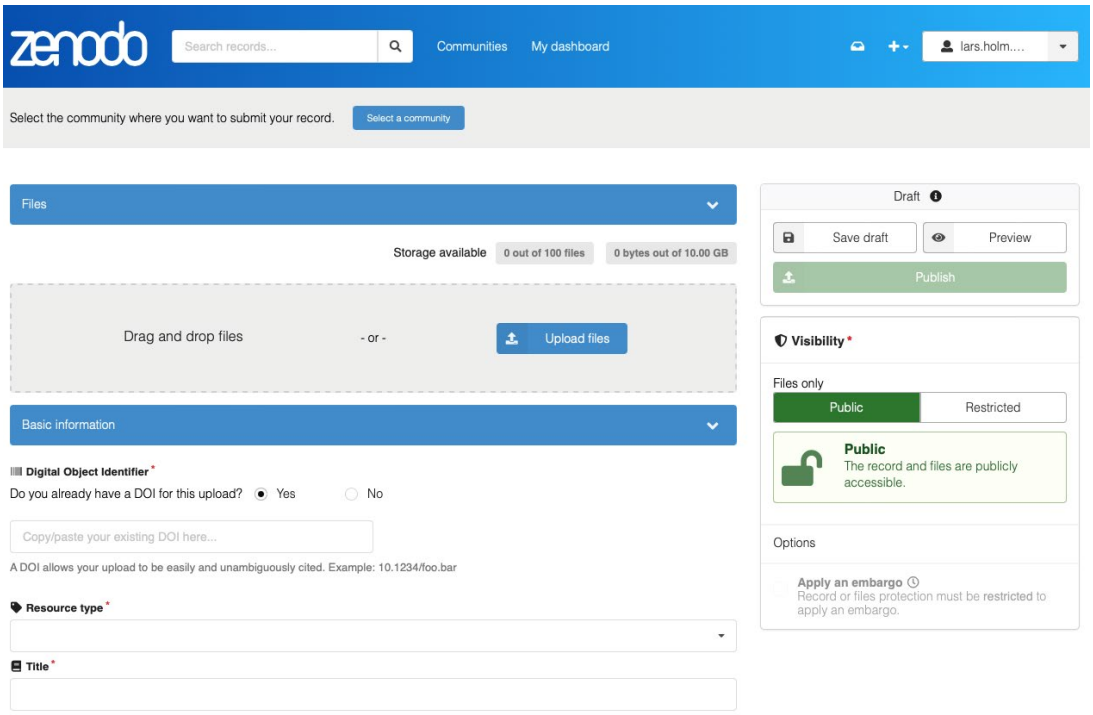

Figure 3. The Zenodo repository interface

[9] https://zenodo.org/communities/eu/

The OCEANIDS community, as depicted in **Figure 4,** has been set up for openly sharing project data, including possible research outputs, to allow others to build on the produced work. The repository is named **"OCEANIDS project"** and its logo can be found on the top left. The community can be accessed by the following link:

https://zenodo.org/communities/oceanids-project

The consortium of the OCEANIDS will make sure that available data will be easily recoverable by any interested party. The data will be formatted according to its type and will be presented for access along with the necessary links to download the appropriate software tools, if necessary. This community is being curated by GSH (Task leader of T1.2) not only during, but also after the end of the project.

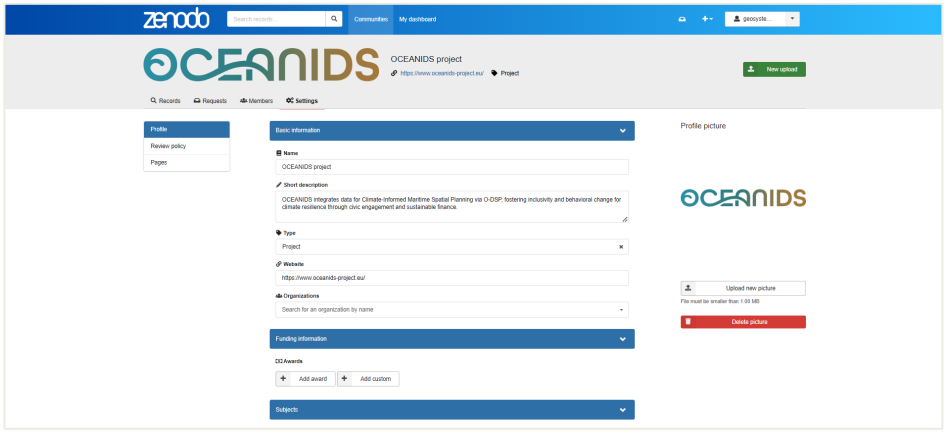

Figure 4. The OCEANIDS community within the Zenodo repository system

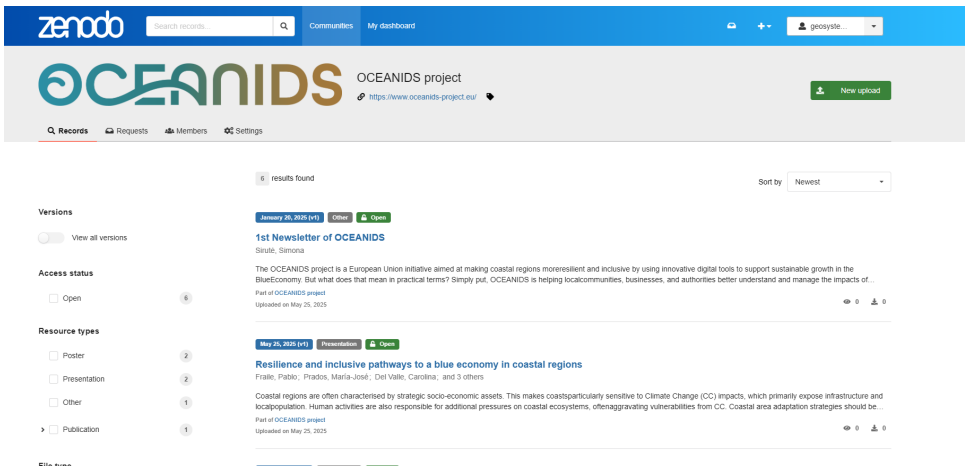

Figure 5. Records of the OCEANIDS project are continuously uploaded within the Zenodo repository

5.2.2 Asana Platform (Internal Project Repository)

Moreover, to facilitate all project-internal communication, a content **Management Tool** was proposed during the Kick-off meeting (KO) and provided to all partners, with the **Asana Platform** (**Figures 5** and **6**). The Coordination Team has created a Workspace in this platform, dedicated to the OCEANIDS project, aiming to achieve the optimal implementation of the project, through direct communication. This platform serves also as the main repository of

the project documents. More details regarding this platform and the workspace can be found in D1.2 “Risk Identification Management & Quality Assurance Plan”.

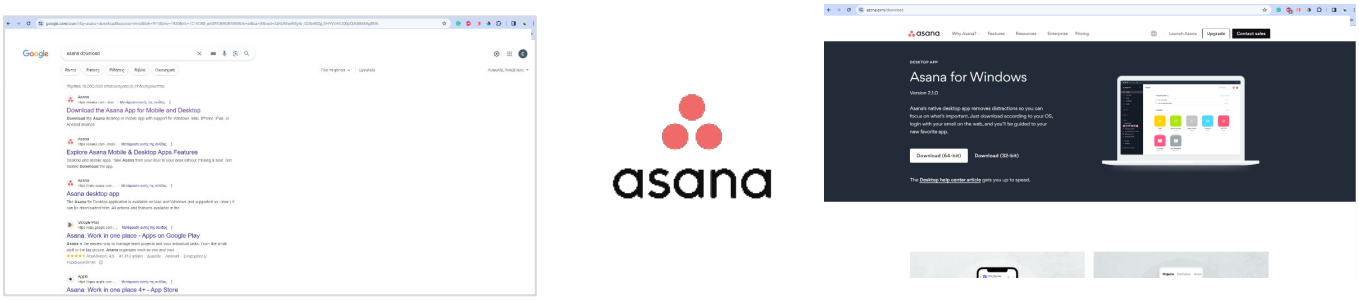

Figure 6. The Asana Platform

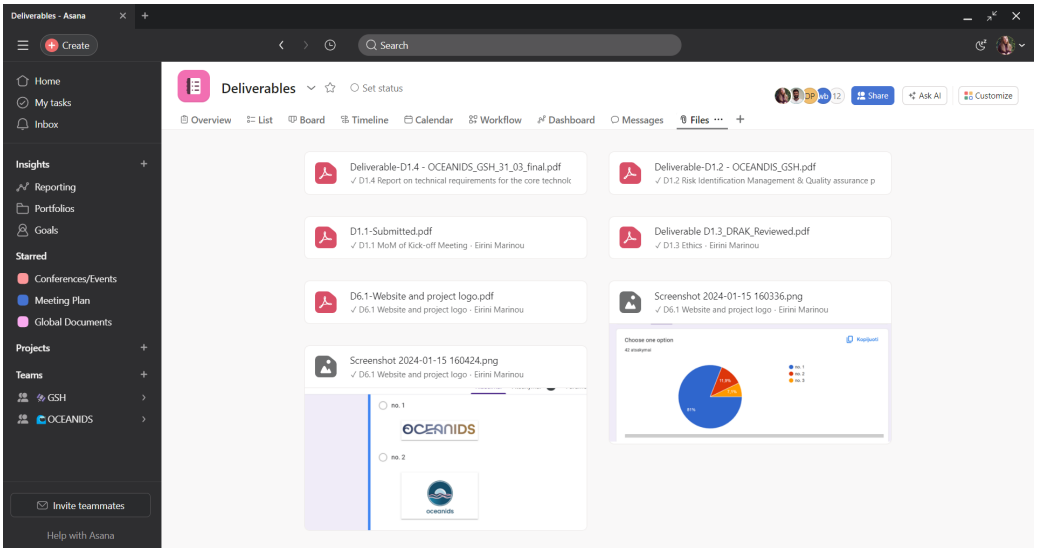

Figure 7. The files can be accessed through this trusted ASANA platform

5.2.3 GeoServer for Spatial Data Delivery

In addition to Zenodo, CREO (CTI) has implemented a dedicated **GeoServer instance** which exposes spatial datasets using **OGC services** (WMS, WFS). This ensures:

- Proper encoding and visualization of geospatial outputs
- Live access to EO Data Cubes from WP3 and WP4
- Integration into the **OCEANIDS DSS Platform** (T4.3)

5.2.4 OCEANIDS Data Cubes (ODC)

The OCEANIDS Data Cubes represent a core technical and analytical component of the project. They integrate multi-source EO and climate datasets into a spatial-temporal data architecture optimized for environmental analysis, modeling, and policy support. The ODCs are currently maintained in a GitLab repository, with versioning and collaborative development practices in place. The code is released under the **GNU General Public License**

v3.0[10], ensuring open reuse under attribution terms. In addition to source code, a curated subset of processed Data Cubes will be published on **Zenodo**, serving as an example of reusable, ready-to-analyze geospatial data. The Zenodo version will include persistent identifiers (DOIs), structured metadata (DCAT-AP, ISO 19115), and open licensing to support FAIR and Open Science objectives.

5.2.5 Authorization System

The following abstract outlines the design and implementation of a comprehensive authorization system that governs secure access across multiple layers of the OCEANIDS platform, including direct data access on virtual machines (VMs), user login to the platform, and service-level access control. The implemented system leverages Keycloak[11], an open-source identity and access management solution, deployed on a cloud provider to handle authentication and fine-grained authorization. Keycloak's built-in support for policies, resources, scopes, and permissions enables precise control over user access to platform components and data.

Keycloak will be used to organize the login to the frontend application of the platform, as well as the identity provider controlling the access to resources on the virtual machine of Creotech.

To manage and enforce access at the API level on the virtual machine of Creotech, the system integrates **Apache APISIX**[12], a modern, high-performance and cloud-native API gateway on the project virtual machine deployed by Creotech. APISIX functions as the entry point to all backend services on the machine, ensuring that only authenticated and authorized users can invoke APIs based on the defined access policies. Together, Keycloak and APISIX form a robust and scalable authorization framework that supports secure, policy-driven access control tailored to individual users and service roles.

This system ensures that access to data and services is controlled in a unified, consistent manner across the entire platform, aligning with modern security and identity management practices.

This fine-grained access control is needed as **different types of targeted users** of the platform (such as the authorities of ports ports/cities/regions within the consortium, but also researchers or citizens outside of the consortium) will need different levels of authorization. Especially, the risk assessment and decision support services will only be available to specific users such as the authorities within the consortium.

The authorization system is capable of granting access **to any kind of http/https requests** and therefore enables machine to machine communication (e.g. for request from external engines as the RA or DSS) but also access to the resources for developers which will follow a browser base authentication flow.

[10] https://www.gnu.org/licenses/gpl-3.0.html

[11] Keycloak

[12] Apache APISIX® -- Cloud-Native API Gateway and AI Gateway

The figure below depicts an example for the authorization flow in the scenario of users logging in into the platforms frontend application and requesting protected resources from the project virtual machine.

1. User access to frontend application
2. Redirect to Keycloak login page
3. Redirect after successful login
4. Data or Service request to project VM (including valid Token)
5. APISIX request to Keycloak Authorization endpoint
6. Redirect to APISIX on project VM if authorization level is sufficient
7. Internal request to backend service
8. Return data
9. Return data

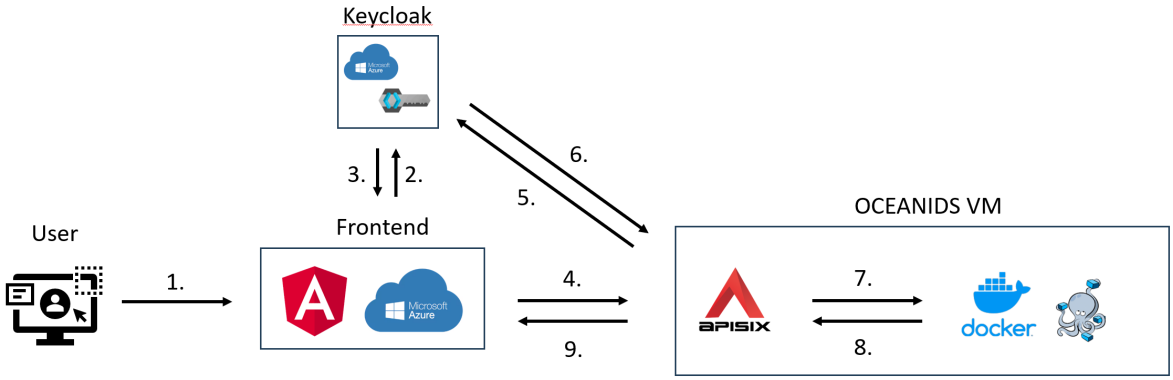

Figure 8. Authentication flow including user login and requesting a protected resource in the platform frontend application.

Other scenarios, such as a data request from an external engine will work similarly in the way that the respective component will need to retrieve a token from Keycloak providing valid credentials and the perform the request via APISIX to the backend service on the VM.

5.3 Data sharing

The Data sharing in the OCEANIDS project can be separated into two datasets:

i. The **Existing Datasets**

ii. The **NEW Datasets**

In **Table 2** and **Table 3** are summarised all the data declared by the OCEANIDS partners that will be used or generated under each WP per Task are listed, after careful consideration among the OCEANIDS consortium. These tables have been created collaboratively among the WP leaders and Task leaders, documenting both kinds of datasets. The OCEANIDS partners answered several questions regarding the datasets that will be either collected (existing datasets) or generated throughout the project. It is important to take into account the fact that the OCEANIDS is still in M6, therefore several updates will follow enhancing the list of available datasets.

The OCEANIDS partners answered the following questions:

i. Regarding the **Existing Datasets:**

- ✓ List the existing data acquired from public/open sources or elsewhere that will be used for the purposes of the OCEANIDS project
- ✓ Name the sources for these data
- ✓ How will data be made available in the project internally?
- ✓ Will these data be made available to external actors?
- ✓ Will any personal data be used for the purposes of the project?

ii. Regarding the **NEW Datasets:**

- ✓ List the data that will be generated in the context of the OCEANIDS project
- ✓ Will data or products/services generated in the project be made available?

These tables will be continuously updated and enhanced by the project partners whenever new data sources or results are available.

In summary, in **Figure 7**, an overview of how data flow through the project, from collection to reuse, in alignment with FAIR principles is illustrated. Key tools include Zenodo, GeoServer, CREODIAS, and the OCEANIDS platform.

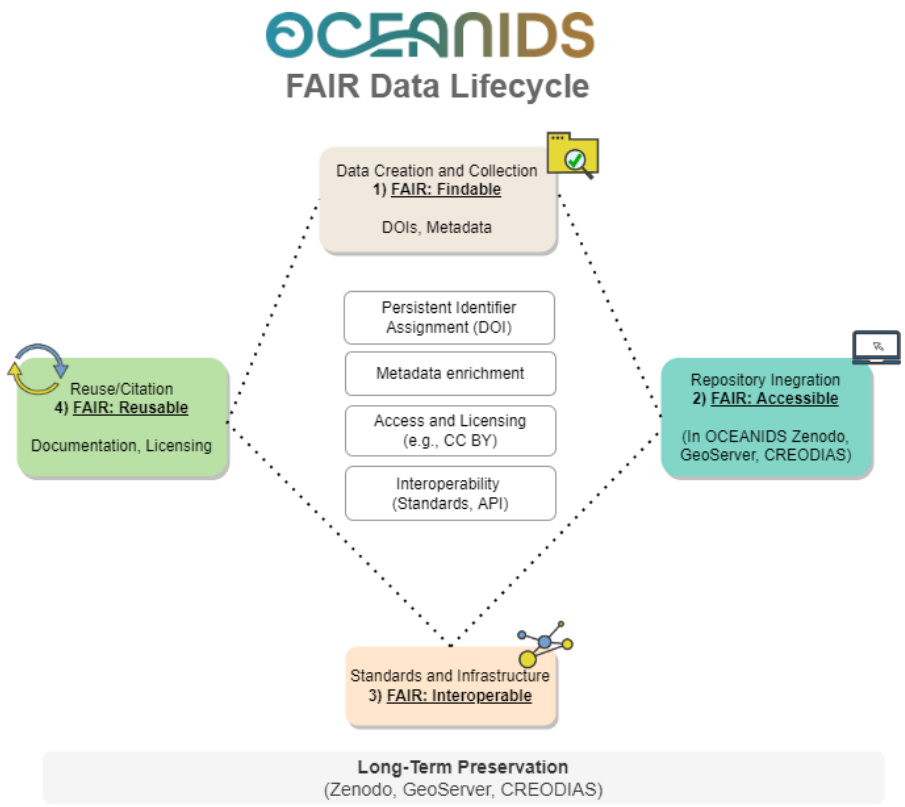

Figure 9. OCEANIDS FAIR Data Lifecycle.

Table 2. Existing Datasets in every WP per Task

EXISTING DATASETS						
QUESTION	**WP1** (GSH)	**WP2** (WTOC)	**WP3** (HCMR)	**WP4** (RG)	**WP5** (GSH)	**WP6** (METIS)
List the existing data acquired from public/open sources or elsewhere that will be used for the purposes of the OCEANIDS project	The data acquired and managed in WP1 (**T1.1, T1.2, T1.3**) are only internal data related to the consortium (personal data of the individual partners, and legal and financial data of the institutional partners).	**T2.1 CDP:** The data that will be acquired and managed in WP2 (**T2.1**) are internal data related to the consortium and submitted directly from the project partners **&** **NEREUS workshop:** workshop external data: registration of the participants (name/surname, email, etc) **T2.2 EARSC**: a database of European companies in the Earth Observation sector, a list of EARSC members and their points of contact **T2.3 WTOC:** Data will be acquired by publicly available resources online. Resources will include public databases, Wikipedia and media websites. Data will include information about meteorological and climatological events and the corresponding damages/losses/impacts, as reported at these sources.	**T3.1 ICCS:** The ODC implementation will use EO and non-EO data for their implementation. Such data can be Sentinel-{2,3,5P} and CERRA for EO data. As for non-EO data will be used geospatial Shapefiles geometries retrieved from local governance websites. **T3.2 OHB:** The developed EO services will use EO data products and spatial data from various missions and platforms based on the specific user needs and requirements derived within T2.2. Along others, this may encompass Level-2 products from Sentinel missions (1-3) or the Copernicus Services (Marine, Land, Atmosphere) **T3.3 HCMR:** The data will include climate change scenarios datasets such as Euro-CORDEX simulations and/or the Nordic Convection Permitting Climate Projections (NorCP) data over the Nordic domain and the latest CMPI6 data.	**T4.1 RG:** The risk assessment platform will use the data provided by WP3 (C3S Climate data store, EO Data services, climate, and meteorological models). **T4.2 OHB:** The Integrated EO and spatial data platform will use EO and spatial data services specified within T3.2. **T4.3 GSH:** The O-DSP (OCEANIDS Decision Support Platform) will use all the data provided e.g., from GEOSS and C3S Climate Data Store, by T4.1 (risk assessment), T4.2 (EO data) and T2.4 (social networks).	**T5.1, T5.2 GSH:** Training and Validation activities: Registration of the participants (Name, Surname, email, entity type, phone number) **T5.3 USE:** N/A	N//A

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		T2.4 IN2: Data will be acquired and analysed through social media channels, responses to polls and surveys and will include metrics that measure the level of engagement and can provide information on the geographic location or the impact on the climate of actions taken.	**T3.4 FMI:** using the following climate data: ERA5/CERRA reanalysis of the current climate, dynamically downscaled CORDEX and NORCP climate model data and statistically downscaled NEXGDDP CMIP6 data. Seasonal forecasts from C3S will be bias-adjusted and downscaled with monthly updates. **T3.5 CREO:** The data which might be applicable for further use and which might be easily added to the repository may include Copernicus open datasets (Sentinel 2,3,5P)			
Name the sources for these data	N/A	**T2.1 CDP:** Oceanids Sub-national authorities and Port Authorities **& NEREUS workshop:** workshop external data: registration of the participants. Maybe use Microsoft Forms as a tool to collect responses. **T2.2 EARSC**: Google search, official companies' websites, and national portals listing companies active in the sector. **T2.3 WTOC**: Indicative sources are Wikipedia page (in different languages) BBC and Guardian's websites, CNN NOAA's list of disasters. **T2.4 IN2:** User interactions on social networks (posts, comments etc,.) related to specific hashtags, events or locations.	**T3.1 ICCS:** Indicative some sources are the Copernicus Dataspace (https://dataspace.copernicus.eu/) and CDS (https://cds.climate.copernicus.eu/#!/home). Other sources include the USGS Earth Explorer (http://earthexplorer.usgs.gov/) and MODIS (https://modis.gsfc.nasa.gov/) **T3.2 OHB:** Data from Sentinel missions (1-3) are available in the Copernicus Data Space Ecosystem https://dataspace.copernicus.eu/. The Copernicus services: https://marine.copernicus.eu/ https://land.copernicus.eu/en Additional sources will be defined based on T2.2	**T4.1 RG:** The sources are listed by WP3. **T4.2 OHB:** Refer to T3.2. **T4.3 GSH:** Indicative some of the sources, C3S Climate Data Storage https://cds.climate.copernicus.eu/#!/home and GEOSS portal https://www.geoportal.org/?m:activeLayerTileId=osm&f:dataSource=dab	End-users and stakeholders	N//A

			T3.3 HCMR: Indicative sources: https://cds.climate.copernicus.eu/#!/home https://www.nccs.nasa.gov/services/data-collections/land-based-products/nex-gddp-cmip6 and internal sources **T3.4 FMI:** Copernicus Dataspace: https://cds.climate.copernicus.eu/#!/home CORDEX database: https://esgf-data.dkrz.de/search/cordex-dkrz/ Nex-GDDP-CMIP6 database: https://www.nccs.nasa.gov/services/data-collections/land-based-products/nex-gddp-cmip6 **T3.5 CREO:** Copernicus Dataspace (**https://dataspace.copernicus.eu/**) and products acquired from Sentinels like https://cds.climate.copernicus.eu/#!/home			
How will data be made available in the project internally?	N/A	**CDP:** The data sharing will be part of CDP worldwide annual disclosure campaign, which involves the completion of questionnaires and shared with the consortium directly. **NEREUS workshop:** workshop registration list available to NEREUS and CDP. **WTOC**: A database of the collected data will be available in an internal repository and through an API for rapid access.	**CREO:** For both – datasets available through the Copernicus program and all other datasets provided by partners a dedicated repository shall be created, and hosted on a DIAS environment assuming quick access to requested datasets	**CREO:** For both – datasets available through the Copernicus program and all other datasets provided by partners a dedicated repository shall be created, and hosted on a DIAS environment assuming quick access to requested datasets	Lists that will be part of the deliverables D5.1 and D5.2 (will be GDPR compliant through a dedicated form)	N//A

		EARSC: the databases will be mostly used by EARSC (the owner of databases) and if required will be securely shared with involved consortium partners. **IN2:** The data will be collected, anonymized, aggregated and analysed internally. The results will be made available after analysis through selected tools. Regular updates and quality assurance will be performed. (OCEANIDS social networks service)				
Will these data be made available to external actors?	No. Data in WP1 are only for internal management and reporting to EC.	**CDP:** No, unless agreed otherwise with the OCEANIDS end-users **NEREUS workshop:** No. The data from participants of the workshop will be handled by NEREUS and CDP. **WTOC**: No **EARSC:** no, only information of parties giving their consent might be included in promotion materials. **IN2:** No	No	The OCEANIDS DSS Platform and the EO Platform will be made available to the public/stakeholders/end-users.	As D5.1 and D5.2 are public deliverables these data will be available to a general audience (will be GDPR compliant through a dedicated form)	N//A
Will any personal data be used for the purposes of the project?	No. Especially data collected in WP1 are only for internal management and reporting to EC.	**NEREUS workshop:** everything related to the registration. **WTOC**: No	No	No	No	N//A

Table 3. NEW Datasets in every WP per Task

NEW DATASETS						
QUESTION	**WP1 (GSH)**	**WP2 (WTOC)**	**WP3 (HCMR)**	**WP4 (RG)**	**WP5 (GSH)**	**WP6 (METIS)**
List the data that will be generated in the context of the OCEANIDS project	WP1 has generated data reporting about the administrative, financial and legal management of the project. Patenting and IPR will eventually be managed within WP1.	**T2.1 CDP, NEREUS:** Workshop organization: attendees lists, feedback surveys. **T2.2 EARSC**: update database of EO service providers and relevant services, catalogue of needs, requirements and challenges identified by end users. **T2.3 WTOC**: The dataset created will include already publicly available information. It will include, metrics about the events (e.g., hurricane size, wind speed, rainfall etc.) and damages related (financial losses, deaths etc).	**T3.1 ICCS:** The output of Task 3.1 will provide the Oceanids Data Cubes that will be mainly NetCDF files stored in a Geo Server. These files will be distributed using OGC standards (i.e., WMS, WFS, etc.). **T3.2 OHB:** N/A **T3.3 HCMR:** Climate projection data and feedback from stakeholders will be merged to provide tailor-made information. The generated data will be provided in the form of Data Cubes. **T3.4 FMI:** Based on feedback from stakeholders, the climate projection data is analyzed and processed to deliver customized climate information. The resulting data will be presented in the form of Data Cubes. **T3.5 CREO:** No data will be generated by Creotech Instruments, which shall only be verified and validated using CREODIAS or a dedicated environment.	**T4.1 RG:** The risk assessment platform will generate risk estimates per exposed asset, given WP3 hazard data. **T4.2 OHB:** A selection of feasible New EO Services will be implemented regarding the gap analysis conducted within T2.2. **T4.3 GSH:** The O-DSP (OCEANIDS Decision Support Platform) will use all the data generated by T4.1 (risk assessment), T4.2 (EO data) and T2.4 (social networks).	**T5.1, T5.2 GSH:** Training and Validation activities: Registration of the participants (Name, Surname, email, entity type, phone number). Questionnaires and Interviews **T5.3 USE:** No personal information will be included, only metrics and analytics regarding the Validation activities. Data that would be relevant for validation activities: **1.** User Interaction Data (Usage Metrics, User Feedback) **2.** Performance Metrics (Accuracy and Precision, Response Time) **3.** Usability Data (User Experience (UX) Metrics, Heatmaps and Clickstreams)	**1.** Newsletter info: Email **2.** Website contact form: Name, Surname, email, entity type, phone number **3.** Social media and website visit analytics **4.** Workshop organization: attendees lists **5.** Use the BrandMentions platform for opinion mining. This tool will enable us to perform sentiment analysis and track keyword mentions related to Oceanids. The results will be compiled into a report.

		T2.4 IN2: Registration information containing login, username, email and associated posts and responses performed by users in the project's ephemeral network. The data will be collected only for the time spanning the life of the ephemeral network. After the closure of the network only aggregated anonymized information will be available.			**4.** Engagement Metrics (Session, Bounce Rate) **5.** Behavioural Data (Patterns and Trends, Conversion Rates) **6**. Stakeholder Engagement Data (Stakeholder Surveys, Collecting feedback, Collaboration Metrics)	
Will data or products/services generated in the project be made available?	Only for internal use and official reporting to EC. As for IPR and patenting, they will be managed according to corresponding rules.	**T2.1 CDP, NEREUS:** Workshop organization-attendees list only for internal use by CDP and NEREUS. **T2.2 EARSC**: some promotional materials will be generated based on collected service offers. **T2.3 WTOC:** Datasets will be available only to the partners of the project for the duration of the project. **T2.4 IN2:** User registration data will not be made available. Stakeholders will only have access to anonymized aggregated information at any time.	**T3.1 ICCS:** The data will be used internally in the project and will be publicized if necessary. **T3.2 OHB:** N/A **T3.3 HCMR:** The data will be shared with the project partners and stakeholders and will be publicized if necessary. **T3.4 FMI:** The data will be shared with project partners and stakeholders, and some of the data will be made publicly available. **T3.5 CREO:** Access to selected data sources will be ensured by relevant APIs or by keeping the data on a dedicated cloud storage space (CREODIAS). All data will be accessible via a common API. Basic query parameters will be available thanks to metadata extraction to the internal database.	**T4.1 RG:** Yes, the data will be made available. The data may be confidential based on the decision of the use case owners. **T4.2 OHB:** Yes, the New EO data services will be visualized in the integrated EO and spatial data platform and will be technically accessible via APIs and OGC services as WMS/WMTS/WF. **T4.3 GSH:** Yes, through the OCEANIDS Decision Support Platform (it includes visualisation of all the data).	Yes. As part of D5.1 and D5.2 which are public deliverables to the general audience. No personal information will be included, only metrics, feedback and analytics. Aggregated data.	Through the website and social media accounts. After the publication of the results of the OCEANIDS Project.

6 DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires have been distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset. The completed questionnaires are available in **ANNEX 2.**

Partner name and acronym	
Filled in by	
Date	
Title of Dataset	

Table 4. Dataset identification Template

Dataset Summary	
Reference number/ID#	*Do not fill-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	
Will you re-use any existing data and what will you re-use it for?	
State the reasons if re-use of any existing data has been considered but discarded	
What is the type and format of the dataset generated or re-used?	
What is the expected size of the data that you intend to generate or re-use?	
What is the origin/provenance of the data, either generated or re-used?	
To whom might your data be useful outside your project?	

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Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	
Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	
Will metadata be offered in such a way that it can be harvested and indexed?	
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement	
If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in	

mind that research data should be made available as soon as possible.	
Will the dataset be accessible through a free and standardized access protocol?	
If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	
How will the identity of the person accessing the data be ascertained?	
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	
Making data Interoperable (FAIR Data)	
What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	
In case it is unavoidable that you use uncommon or generate project-specific	

ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	
Will your data include qualified references13 to other data (e.g. other data from your project, or datasets from previous research)?	
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	
Will the data produced in the project be useable by third parties, in particular after the end of the project?	
Will the provenance of the data be thoroughly documented using the appropriate standards?	
Describe all relevant data quality assurance processes	
Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project	

(e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	
Who will be responsible for data management in your project?	
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	
Will the data be safely stored in trusted repositories for long-term preservation and curation?	
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	
Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	

Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?	

7 Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	
Filled in by	
Date	

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an appropriate legal basis?** *(i.e., using personal data from previous projects*

B. Measures: Security, Technical and Organisational

1. **Please specify the security measures that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

2. **Description of the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

3. **Please provide your organisation's data protection policy or similar, if any. If the organisation does not have a public document, please provide a summary**

Example →

Host	Data Protection Policy (please provide a link, if possible)
Partner X	Partnerx.com/privacypolicy

4. **Will you be applying anonymisation and pseudonymisation techniques to personal data?** If yes, please specify which techniques and how they will be implemented.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

6. **Who will have access to the data?**

7. **How long will you keep it for?**

C. Data Sharing

1. **Will this data be shared with other project partners or third parties outside the project? If yes, for what purpose?**

2. **Does your organisation intend to transfer personal data *to* non-EU countries?**

   a. In the affirmative, which kind of data and to which countries?
   b. Describe the transfer mechanism according to Chapter V of the GDPR.

3. **Does your organisation intend to transfer personal data *from* non-EU countries to the EU as part of the OCEANIDS project? Yes/no**

   a. In the affirmative, what type of data do you intend to import in the EU?
   b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
   c. Are such transfers by the GDPR? If so, specify

D. Profiling

1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

E. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

8 Ethics and Intellectual Property

8.1 Data Protection

Data protection regulations, such as the GDPR in the **European Union, (Directive 2002/58/EC)** set out specific requirements and obligations for organizations that collect, process, or control personal data. It ensures that data practices not only comply with legal requirements but also respect the privacy and autonomy of individuals whose data are being processed.
This preliminary DMP adheres to the GDPR and reflects a commitment to ethical data handling practices. As the collection and analysis of data play a pivotal role in research projects such as the OCEANIDS, it is of significant importance to ensure an optimal approach to data protection and privacy.

✓ Some of the **key components** of OCEANIDS's strategy for ensuring the highest standards of data protection and privacy, are described as follows:

- **Data Collection**: Clear protocols define what data are collected, how they are collected, and the legal basis for their collection, ensuring transparency and compliance with GDPR.
- **Data Storage and Security**: Data are stored in secure, EU-based servers with state-of-the-art encryption and access control measures in place to prevent unauthorized access and data breaches.
- **Data Processing and Analysis**: Processing activities are conducted with the utmost respect for privacy, employing data minimization principles and ensuring that personal data are anonymized or pseudonymized whenever possible.
- **Data Sharing and Transfe**r: Guidelines for data sharing and transfer are strictly aligned with GDPR requirements, ensuring that data are shared with third parties only under conditions that guarantee the continued protection of privacy and compliance with all regulatory requirements.

The project's approach to data protection and privacy is well described in deliverable D1.3 "Ethics", which has set the baseline ensuring the optimal handling, storage and sharing of data within the OCEANIDS project.

✓ The OCEANIDS project implements rigorous **security measures** to protect the data it handles. These measures include:

- **Encryption:** All personal data are encrypted during transmission and storage, ensuring that data remain confidential and secure.
- **Access Controls:** Access to data is strictly limited to authorized personnel who have undergone ethics and data protection training, ensuring that only those with a legitimate need to access the data can do so.
- **Anonymization** and **Pseudonymization:** Whenever feasible, the project employs techniques to anonymize or pseudonymize data, thereby reducing the risk to individual privacy while still allowing for valuable research insights.

✓ Transparency and accountability are **key pillars** of the OCEANIDS project's approach to data protection and privacy. The project ensures that:

- **Informed Consent:** Participants are fully informed about the nature of the data being collected, how it will be used, and their rights regarding their data, including the right to withdraw consent at any time.
- **Data Protection Impact Assessments (DPIAs):** DPIAs are conducted for all activities involving personal data, and where necessary under the GDPR, helping to identify and mitigate risks to data privacy.
- **Compliance Monitoring:** Regular audits and reviews are conducted to ensure ongoing compliance with GDPR and the project's DMP, with findings reported to relevant oversight bodies.

8.2 Intellectual Property Rights (Updated)

The consortium recognises that management of knowledge and IPR are fundamental for the smooth collaboration among the consortium members in the successful exploitation and sustainability of OCEANIDS outcomes within and after the end of the project. Through knowledge management and the protection of partners' interests, information bottlenecks related to confidentiality will be avoided, and thus maximise the chances for elevated market visibility and successful implementation of the project results. Management of knowledge and IPR issues are integrated within the framework of the Consortium Agreement (CA), drawn to be aligned with the policies and context for EC-funded projects under Horizon Europe and will be further addressed by the **IPR Management Plan**, introduced in the intermediate version. The CA specifies how and under which terms and conditions partners access existing or generated by other partners' knowledge.

9 GDPR Consent form from DRAK

Information on the processing of personal data during the implementation of workshops

When participating in Oceanids events, webinars, or workshops personal data of participants may be processed for the organization and realization of the event.

In the context of the General Data Protection Regulation (2016/679/EU) – GDPR (hereinafter referred as "Regulation") Geosystems Hellas S.A. (hereinafter referred as "Controller"), which is the Controller of all personal data processed during the workshops, events and webinars of Oceanids events (hereinafter "Events") informs the participants of such Events (hereinafter "Participants") on the following issues:

- During the Events, the personal data of Participants that will be processed include the name, the email address, telephone, and, provided that the Participant will provide his/her consent, photos and videos with the Participant's image and/or voice. It is possible that a workshop may also be broadcasted online.
- The purpose of the processing of the aforementioned personal data is (a) the documentation of the work and the project implementation by the members of the project consortium and (b) the promotion of the project.
- The legal basis for the processing of personal data is (a) the legitimate interest by the Controller and specifically the implementation of the workshop in the context of the project and (b) the consent of the Participants consent shall be given by means of the relevant form attached to this form.
- The recipients of the Participant's personal data are the members of the consortium and anybody else who may attend the workshop on site. If the Participant consents, recipient of his/her personal data might include visitors of the project's website and social media.
- The personal data will not be transferred to third countries. However, by posting them on social media, their viewing by third parties is not controlled.
- The personal data will be retained by the Controller for up to three (3) years after the completion of the project and shall be safely deleted after the aforementioned period.
- The Participants shall have the right of access, rectification, erasure, restriction of processing, data portability, withdrawal of consent in relation to their personal data. Withdrawal of consent does not affect the lawfulness of the processing prior to it.
- Any other rights that the individual may request will be dealt on a case-by-case basis with the Data Protection Officer (Christos Kontopoulos).

Consent form for use of photos and videos

WORKSHOP OF OCEANIDS

In the context of the workshop organized by NEREUS and CDP, for the OCEANIDS project, photographs and videos will be taken and used by the organizers to promote the event in mass media/communication (e.g., publication of entries in daily and periodical press, websites, social networks, etc.), in order to inform the public and the scientific community about the event and to disseminate its results.

We ask for your consent to publish the photos and videos you appear in. You can withdraw your consent at any time and we will download the material immediately by emailing the Coordinator at i.marinou@geosystems-hellas.gr.

If you have any questions about the processing of your personal data or if you believe that your personal data has been compromised, you should contact the Data Protection Officer of the project at c.kontopoulos@geosystems-hellas.gr and we will respond as soon as possible and no later than one month.

TAKING CONSENT

I agree to be in the videos and photos taken by the Controller and publish the photos and/or videos where I appear in the following media	**Yes** _____	**No** _____

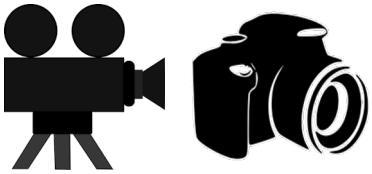
I agree for the videos and photos to be published in the following:

Means of promotion	**For Photos**	**For Video**
On the project's website	**Yes** _____ **No** _____	**Yes** _____ **No** _____
On Social Media websites	**Yes** _____ **No** _____	**Yes** _____ **No** _____
In the daily press	**Yes** _____ **No** _____	
In the magazine press	**Yes** _____ **No** _____	

Full name: …… **Signature:** ……

Email: ……

WORKSHOP OF OCEANIDS



In the context of the General Data Protection Regulation (2016/679/EU), we inform you that the workshop of Oceanids will be filmed, and photographs will be taken for the archive of the project and for the purposes of promoting the event in the media/communication. If you do not wish to be photographed/videoed/viewed live, kindly fill in the consent form accordingly.

10 Conclusions

Maintaining an up-to-date and comprehensive Data Management Plan (DMP) is crucial for the effective project governance under Horizon Europe guidelines. This way the project partners ensure not only compliance with legal and ethical obligations, particularly around personal data and GDPR, but also promotes transparency, reproducibility, and the broader adoption of Open Science practices.

The OCEANIDS consortium remains committed to FAIR and Open Access principles. Scientific outputs, including peer-reviewed publications, algorithmic workflows, datasets, and software, are made openly accessible either via the project website and/or the dedicated **Zenodo repository**. Publications follow a **"green" open access model**, ensuring that results are freely available to both the research community and public stakeholders.

This deliverable marks the **intermediate update of the DMP**, originally introduced at Month 6. Since then, significant progress has been made:

- A dedicated **IPR Management Plan** has been developed and is included in this version, complementing the Consortium Agreement and supporting sustainable exploitation of results.
- Additional metadata and dataset declarations have been collected from partners and integrated into the data summary and FAIR compliance sections.
- The first visual schema of the **FAIR Data Lifecycle** tailored to the OCEANIDS infrastructure has been introduced.
- Repositories (Zenodo, GeoServer, Asana) and workflows have been consolidated and aligned with project needs and EU data policy standards.

Two more updates to the DMP will follow:

- The **final version** (M32) will incorporate all project results, complete dataset documentation, licensing decisions, stakeholder inputs, and long-term preservation plans.
- Ongoing contributions from WPs and partners, via structured questionnaires and internal reporting, will ensure that the DMP remains a living, evolving reference.

The Coordination Team will continue to oversee the update process, ensuring full alignment with Horizon Europe guidance, Open Science mandates, and emerging EU data governance frameworks.

11 References

[1]. Nowak, K., Nielsen, L. H., & Ioannidis Pantopikos, A. T. (2016, May 24). Zenodo, a free and open platform for preserving and sharing research output. Zenodo. https://doi.org/10.5281/zenodo.51902

12 Annex 1: OCEANIDS Glossary and Metadata Schema

This document provides a comprehensive glossary of terms and metadata schema relevant to the OCEANIDS project. It is designed to ensure semantic consistency, support FAIR data practices, and enhance both internal coordination and external understanding. The glossary integrates technical, legal, scientific, and project-specific terminology, structured by thematic areas and aligned with Horizon Europe requirements.

Term	Definition	Field Name	Required
DOI	Digital Object Identifier – a persistent identifier used to uniquely identify objects such as datasets or publications.	Identifier	Yes
FAIR	A set of guiding principles to make data Findable, Accessible, Interoperable, and Reusable.	Fair principle	Yes
GeoTIFF	A georeferenced raster image format used for spatial data representation.	File format	Yes
NetCDF	Network Common Data Form – a format for storing multidimensional scientific data, often used in climate research.	File format	Yes
WMS	Web Map Service – an OGC standard for serving georeferenced map images over the internet.	Service type	Yes
WFS	Web Feature Service – an OGC standard for serving geospatial vector data over the web.	Service type	Yes
ISO 19115	An international standard for describing geographic information and services through metadata.	Metadata standard	Yes
DCAT-AP	Data Catalog Vocabulary Application Profile – a specification for describing public sector datasets in Europe.	Metadata standard	Yes
Zenodo	An open-access repository developed under the European	Repository	Yes

	OpenAIRE program and operated by CERN.		
GeoServer	An open-source server for sharing geospatial data using OGC standards such as WMS and WFS.	Platform	Yes
Asana	A project management platform used in OCEANIDS for internal coordination and document sharing.	Collaboration tool	No
Metadata	Data that provides information about other data, such as title, creator, date, and format.	Metadata	Yes
OGC	Open Geospatial Consortium – an international organization that develops open standards for geospatial content and services.	Standard body	Yes
O-DSP	OCEANIDS Decision Support Platform – the main user-facing interface integrating multiple project data sources and services.	Platform	Yes
API	Application Programming Interface – allows software to access data and services, used for linking the DSS platform to other systems.	Tool	Yes
Data Cube	A multidimensional array of values, often used for storing EO data across time, space, and variables.	Data cube	Yes
DPIA	Data Protection Impact Assessment – a risk analysis required when processing personal data under GDPR.	Guideline	Conditional
Anonymisation	Process of removing personal identifiers from	Guideline	Yes (if personal data)

	data so individuals cannot be identified.		
Pseudonymisation	Replaces private identifiers with fake identifiers or pseudonyms.	Guideline	Yes (if personal data)
Open Access	Free, immediate, online access to research outputs such as publications and datasets.	Guideline	Yes
Interoperability	Ability of different systems to work together by sharing and understanding information.	Terminology	Yes
Stakeholder Data	Data collected from project stakeholders (e.g. surveys, interviews, feedback) often subject to GDPR.	Terminology	Yes
Temporal Resolution	The frequency at which data is collected over time, especially important in EO datasets.	Terminology	Yes
Spatial Resolution	The size of the area represented by each data unit in spatial datasets.	Terminology	Yes
Semantic Interoperability	Ensures that data retains the same meaning across systems and users.	Terminology	Yes
Sentinel Data	Satellite data from the Copernicus Programme, used in EO analysis including Sentinel-1 (radar), Sentinel-2 (optical), and Sentinel-3 (ocean/land monitoring).	Data Source	string
CREODIAS	A cloud platform providing access to Copernicus and EO data, used in OCEANIDS for data hosting and processing.	Platform	string
Copernicus	The European Union's Earth Observation Programme providing	Data Source	string

	data and information services.		
Spatial Extent	Geographical boundaries or coordinates describing the coverage of a dataset.	Terminology	bbox
Spectral Resolution	The ability of a sensor to resolve wavelength intervals in EO data, relevant for interpreting imagery.	Terminology	string
Data Fusion	The process of integrating multiple data sources (e.g., EO, climate, in-situ) to generate enhanced information.	Method	string
Climate Scenario	Modelled representations of future climate conditions, such as RCPs or SSPs, used in impact projections.	Terminology	string
Sea Surface Temperature (SST)	An oceanographic variable used to measure surface ocean temperature, critical for marine climate analysis.	Terminology	float
Blue Economy	Economic activities related to oceans, seas, and coastal areas, focused on sustainable development.	Terminology	string
Stakeholder Engagement	The process of involving individuals and groups in project decisions, key to WP2, WP5, and WP6.	Terminology	object
Socio-ecological Systems	Integrated systems linking ecological and human components, foundational to marine governance in OCEANIDS.	Terminology	string
Multi-actor Approach	Engagement of diverse actors in research and innovation, as required by Horizon Europe.	Terminology	boolean
DSS	Decision Support System – a tool that helps users make data-informed	Tool	object

	decisions, central to the OCEANIDS platform.		
Backend/API Layer	Server-side infrastructure used to deliver data and functionalities via APIs in the DSS.	backend_api	string
Frontend UI	User interface layer of the DSS platform that supports user interaction and data visualization.	frontend_ui	string
Data Space	Federated data environments developed in Europe to promote data reuse, such as the Marine Data Space.	Storage	string

13 Annex 2: Questionnaires answered by OCEANIDS partners

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	OHB Digital Services GmbH (OHB)
Filled in by	Joris Jaruschewski/Kilian Vos
Date	29th April 2025
Title of Dataset	Satellite-derived Coastline Change Timeseries

Dataset Summary	
Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**1985-2025**
Will you re-use any existing data and what will you re-use it for?	**No re-use of existing data**
State the reasons if re-use of any existing data has been considered but discarded	**Not applicable**
What is the type and format of the dataset generated or re-used?	**GeoJSON/CSV**
What is the expected size of the data that you intend to generate or re-use?	**10-100MB**
What is the origin/provenance of the data, either generated or re-used?	**Generated from publicly available satellite imagery (Landsat)**
To whom might your data be useful outside your project?	**Environmental agencies, Coastal Researchers, Coastal Management authorities, City Councils, Insurances**
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**Yes**

Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**Yes**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**Yes**
Will metadata be offered in such a way that it can be harvested and indexed?	**No**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**Zenodo Archive**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**Yes**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement	**Yes, all openly available**
If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	**No embargo**
Will the dataset be accessible through a free and standardized access protocol?	**yes**

If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**No restrictions**
How will the identity of the person accessing the data be ascertained?	**Openly available data**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**No**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**Yes**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**Forever as Zenodo is an archive**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**Yes**

Making data Interoperable (FAIR Data)

What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	**Not applicable**
In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**Not applicable**

Will your data include qualified references1 to other data (e.g. other data from your project, or datasets from previous research)?	**yes**
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**README file**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**Yes, standard license**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**Yes**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**Yes**
Describe all relevant data quality assurance processes.	**The data has been checked manually before upload to Zenodo**
Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	**No cost**
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**No need to cover these costs**

Who will be responsible for data management in your project?	**Kilian Vos**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	**Zenodo is an archive, long-term preservation is guaranteed.**
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**This is handled by Zenodo.**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**Yes, Zenodo.**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**No.**
Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**Not applicable.**
Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?	**Not applicable.**

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	**EREVNITIKO PANEPISTIMIAKO INSTITOUTO SYSTIMATON EPIKOINONION KAI YPOLOGISTON (ICCS)**
Filled in by	*Ioannis Kavouras (ICCS)*
Date	29/04/2025
Title of Dataset	OCEANIDS Data Cubes

Dataset Summary	
Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**1971-2100**
Will you re-use any existing data and what will you re-use it for?	**Yes / For scientific publications**
State the reasons if re-use of any existing data has been considered but discarded	**The data will be used for scientific publications**
What is the type and format of the dataset generated or re-used?	**NetCDF, CSV**
What is the expected size of the data that you intend to generate or re-use?	**Approx. 100GB**
What is the origin/provenance of the data, either generated or re-used?	**EUROCORDEX (climate data), Copernicus Data Space (Sentinel mission Data), USGS (Landsat)**
To whom might your data be useful outside your project?	**Geoinformatics Engineers, Maritime Centers/Institutes**
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**Possible No**

Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**Each netCDF contains the origins metadata (i.e., geolocation, origin, date, etc.) that can be used as a way of searching the data in a catalogue.**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**Search keywords are provided in both the name and the metadata of the files.**
Will metadata be offered in such a way that it can be harvested and indexed?	**The metadata are provided in the NetCDF file, following the Golder Standards.**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**The dataset is currently available on the OCEANIDS ftp server.**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**Yes**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement	**All data can be publicly available.**
If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	**The generated dataset can be publicly available at any time.**
Will the dataset be accessible through a free and standardized access protocol?	**Yes**

If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**The data has no restrictions**
How will the identity of the person accessing the data be ascertained?	**Doesn't apply to this dataset.**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**There are no sensitive data.**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**Metadata keeps their original licence. For data with CC0 licence it will be possible.**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**The metadata are part of the original data; thus, they will be available if the data are available.**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**The data will be shared along with the necessary instructions and software.**

Making data Interoperable (FAIR Data)

What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	**The generated data follows the Golder Standards of NetCDF generation. To be more precise, we use the open python libraries xarray and rioxarray for generating them.**
In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**This doesn't apply to this dataset, but in the case of unavoidability, the answer it yes, we will provide the necessary ontologies or vocabularies.**

Will your data include qualified references1 to other data (e.g. other data from your project, or datasets from previous research)?	**Yes**
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**We can provide a documentation for both the data and source code, which used for generating them.**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**The data can be made freely available in the public domain, and they can be licenced using standard reuse licenses.**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**Yes**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**Yes**
Describe all relevant data quality assurance processes.	**The data generation follows Golden Standards features. To be more precise, we use the NetCDF template which is widely common for remote sensing and climate data analysis. In addition, we provide the original metadata along with any additional metadata inside the NetCDF files. These characteristics ensures the quality of the final dataset.**
Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	**The data are shared via the ftp server of the project and they can also be uploaded in the Geoserver of the project.**

How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**The data follows the GA.**
Who will be responsible for data management in your project?	**According to GA, are the involved partners as described in WP3.**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**Back up storage**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**Yes**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**No**
Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**There are no personal data. Informed consent doesn't apply in this dataset.**
Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes,	**No**

which ones (please list and briefly describe them)?	

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	Hellenic Centre for Marine Research (HCMR)
Filled in by	*Platon Patlakas*
Date	28/04/2025
Title of Dataset	EURO-CORDEX-derived Climate Extremes Indices for Wind, Temperature and Precipitation

Dataset Summary	
Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**1981–2100, depending on model member and scenario (historical and RCP projections)**
Will you re-use any existing data and what will you re-use it for?	**Yes. We are reusing EURO-CORDEX regional climate simulations (daily resolution) for temperature, precipitation, and wind speed. These are used to calculate climate extreme indices.**
State the reasons if re-use of any existing data has been considered but discarded	-
What is the type and format of the dataset generated or re-used?	**Original data is in NetCDF. Processed outputs will be in NetCDF, CSV and/or visual summaries.**
What is the expected size of the data that you intend to generate or re-use?	**Reused input data: order of terabyte** **Generated data: estimated ~5–10 GB per port/station (including the timeseries).**
What is the origin/provenance of the data, either generated or re-used?	**EURO-CORDEX RCM simulations retrieved from Copernicus.**
To whom might your data be useful outside your project?	**Researchers and practitioners in climate impact assessment, urban resilience,**

	coastal and marine planning, renewable energy, and civil protection authorities.
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**Yes. A DOI will be assigned upon deposition in Zenodo.**
Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**The metadata will include details such as title, abstract, creators, funding, temporal and spatial coverage, variables, methods, and keywords. These will facilitate discovery through standard harvesting protocols.**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**Yes. Keywords will include: *climate change, EURO-CORDEX, climate indices, extremes, ports, impact assessment.***
Will metadata be offered in such a way that it can be harvested and indexed?	**Yes.**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**Zenodo (https://zenodo.org)**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**Yes.**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement	**All derived datasets will be made openly available. The raw EURO-CORDEX inputs are publicly available from Copernicus CDS and will not be redistributed.** **Any exceptions will be clearly stated in the metadata.**

If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	**A short embargo period of up to 6 months may be applied to allow for publication of associated scientific results.**
Will the dataset be accessible through a free and standardized access protocol?	**Yes.**
If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**During the embargo period, access may be granted upon request and approval by the data owner. After the embargo, data will be publicly available.**
How will the identity of the person accessing the data be ascertained?	**No authentication is required for open-access datasets. For embargoed data, the repository may track downloads or access based on account login if needed.**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**No.**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**Yes.**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**The data and metadata will remain available for a minimum of 10 years via Zenodo. Even if data become unavailable, metadata will remain accessible to support discoverability and traceability.**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**Yes.**
Making data Interoperable (FAIR Data)	
What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and	**We will follow standard ISO 19115 metadata schemes. For climate indices, we use methodologies based on ETCCDI and WMO recommendations. CSV files**

across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	**will include headers and unit definitions to support interoperability.**
In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**Not applicable.**
Will your data include qualified references1 to other data (e.g. other data from your project, or datasets from previous research)?	**Yes.**
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**A short README file will be provided for each dataset, summarizing the basic methodology, variables, and units.**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**Yes. Data will be made available under a standard Creative Commons license.**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**Yes.**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**Basic provenance information (source models, scenarios, time periods) will be included in the metadata and README. Full traceability will rely on referencing original EURO-CORDEX datasets.**
Describe all relevant data quality assurance processes.	**Automated checks will be applied during processing to ensure data consistency.**

Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	**No costs.**
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**-**
Who will be responsible for data management in your project?	**Platon Patlakas (HCMR, at the time of data preparation).**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	**Long-term preservation will be ensured through deposition Zenodo.**
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**Data will be stored on institutional infrastructure with regular backups. No sensitive or personal data are involved. Final datasets will be uploaded to a trusted repository to ensure long-term preservation.**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**Yes.**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**No.**

Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**Not applicable.**
Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?	**No.**

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	Creotech Instruments S.A. (CREO)
Filled in by	*Jakub Dziewulski*
Date	15.05.2025
Title of Dataset	Creodias Repository

Dataset Summary

Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**Exact periods can be seen under this link (Temporal Range): https://creodias.eu/eodata/data-sets/**
Will you re-use any existing data and what will you re-use it for?	**Yes, data shared through Creodias are re-used. They are satellites imageries from many different missions and having direct access to all of them gives potential for many analysis with easy and fast access to required datasets.**
State the reasons if re-use of any existing data has been considered but discarded	**See above.**
What is the type and format of the dataset generated or re-used?	**Data are satellite imagery, mostly in Geotiff and NetCDF formats with xml metadata format.**
What is the expected size of the data that you intend to generate or re-use?	**Size of full dataset accesible through Creodias is 82 PB**
What is the origin/provenance of the data, either generated or re-used?	**Origin of the data are many missions such as Copernicus Programme, Landsat Programme and other programms dedicated for every satelite like Envisat, SMOS etc.**

To whom might your data be useful outside your project?	**The data is made as input data for Oceanids project, not outside.**
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**No.**
Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**Yes, all subdatasets are provided with full metadata allowing easy filtering of the data.**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**There won't be provided any additional keywords to the metadata. However searching will be possible by search-phrase which the metadata contain.**
Will metadata be offered in such a way that it can be harvested and indexed?	**Yes, apart from physical metadata file, the metadata are also stored in MongoDB database allowing indexation and harvesting.**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**Dataset is deposited on the Creodias repository and for the workflow purpose of the project is accessible directly through a virtual machine with mapped S3 bucket containing all that data.**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**The data is already connected with the virtual machine by S3 bucket, it will not be deposited in any other place.**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or	**The data is used as the input data for further analysis, therefore the data is made accessible for other partners who use this data in their processing.**

other constraints as per the Grant Agreement	
If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	**Not applicable**
Will the dataset be accessible through a free and standardized access protocol?	**Yes, data is accessible through direct S3 bucket on the virtual machine and through API.**
If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**There are no restrictions for partners to use the data. Those who need access to the data have a connection to the machine or have credentials to web repository.**
How will the identity of the person accessing the data be ascertained?	**Access to the machine is protected with ssh keys. Only authorized machines have access to connect to the virtual machine. Web repository is protected with credentials.**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**No**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**As full dataset, metadata are available for partners with access to the data. Metadata allow to filter and search through the datasets.**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**Data is desired to be accessible to the end of the project.**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**Yes, there will be manual regarding access and use of the repository.**

Making data Interoperable (FAIR Data)	
What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	**Not really applicable as the data is re-used and already was created with best practices and contains a big range of metadata, allowing full interoperability with other datasets.**
In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**Not applicable.**
Will your data include qualified references to other data (e.g. other data from your project, or datasets from previous research)?	**No, the data is the primary input of the project and does not need references.**

Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**There will be documentation and manual describing the repository and explaining its functionality. There will be no additional documentation regarding data validation etc. as the data is re-used.**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**The repository is accessible in the public domain but needs credentials to access. It is so as the dataset is input data for further processing.**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**Not applicable, CREO does not produce new datasets.**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**It will be documented that the data comes from Creodias.**

Describe all relevant data quality assurance processes.	**Not applicable as the data is re-used.**
Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	**Access to the data is part of the contract for the infrastructure for the whole project.**
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**It will be covered by the contract for the whole infrastructure. Costs are eligible for Grant Agreement conditions.**
Who will be responsible for data management in your project?	**Project team.**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	**By the end of the project. Resources and costs are foreseen for that purpose.**
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**Yes, the source S3 bucket is fully recovable in case of any technical problems. Also only authorised users have access to the repository.**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**Yes, data is accessible through virtual machine for whole time of the project.**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**There are no ethics or legal issues**

Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**There are no personal data.**
Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?	**No.**

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	Resilience Guard
Filled in by	*Daphne Pantousa*
Date	14/05/2025
Title of Dataset	Dataset 1: Vulnerability_and_Risk _Unprocessed Dataset 2: Vulnerability_and_Risk _Processed

Dataset Summary

Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**M1-M20 (indicative)**
Will you re-use any existing data and what will you re-use it for?	**no**
State the reasons if re-use of any existing data has been considered but discarded	**n/a**
What is the type and format of the dataset generated or re-used?	**Types: Vulnerability indicators and weights per hazard. Vulnerability scores per hazard and pilot site (only for indicative areas). Risk indicators per hazard and pilot site (only for indicative areas).** **Format: vector data storage (ESRI shapefile) and csv format**
What is the expected size of the data that you intend to generate or re-use?	**1-10 GB**
What is the origin/provenance of the data, either generated or re-used?	**Public sources, expert opinion, end-users and numerical analysis**

To whom might your data be useful outside your project?	**Port authorities, Policy makers, Urban planners, local governments**
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**No**
Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**Standard metadata e.g. title, author, date created, last modification day and time for the processed dataset.**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**Appropriate keywords will be assigned to the processed dataset only e.g., weights, resilience, risk, vulnerability, indicators, scores**
Will metadata be offered in such a way that it can be harvested and indexed?	**Appropriate version numbering will be used, e.g. v0.1, v0.2…v1.0**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**No**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**n/a**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against their legitimate interests or other constraints as per the Grant Agreement	**Summarised and limited data will be made openly available by means of the project foreseen deliverables and publications. If agreed by the end-users (depending on the data that will be collected) the complete dataset can be published in an open access repository.**
If an embargo is applied to give time to publish or seek the protection of the	**n/a**

intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	
Will the dataset be accessible through a free and standardized access protocol?	**n/a**
If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**Through password protected accounts on project data repository.**
How will the identity of the person accessing the data be ascertained?	**By the creation of appropriate account using the GUI (e.g., citizen, community engineer)**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**no**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**n/a**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**n/a**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**Documentation will be provided in a dedicated deliverable.**
Making data Interoperable (FAIR Data)	
What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	**n/a**

In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**n/a**
Will your data include qualified references1 to other data (e.g. other data from your project, or datasets from previous research)?	**n/a**
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**Yes, on summarised data.**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**Summarised data will be made available. No licence is needed.**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**Yes, on summarised data.**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**yes**
Describe all relevant data quality assurance processes.	**The data quality assurance will comply with the quality assurance plan of the OCEANIDS project and the relevant policy of RG**
Allocation of resources	
What will the costs be for making data or other research outputs FAIR in your project	**No cost**

(e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**n/a**
Who will be responsible for data management in your project?	**The DPO**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	**Through open-source archives (e.g., zenodo)**
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**n/a**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**n/a**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**No**
Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**n/a**
Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes,	**No**

which ones (please list and briefly describe them)?	

DMP Questionnaires/Dataset Identification

In this section, the DMP questionnaire template is introduced concerning the detailed description of each partner's datasets. These questionnaires will be distributed to the partners and will be repeated when considered important to maintain integrated documentation and ensure the optimal management of each dataset.

Partner name and acronym	**IN2 Digital Innovations GmbH / IN2**
Filled in by	**Alexandru Stan (IN2), George Ioannidis (IN2), Konstantina Geramani (IN2)**
Date	**20 May 2025**
Title of Dataset	**User Data / Ephemeral Networks**

Dataset Summary

Reference number/ID#	*Do not fill the ID#-will be inserted by the responsible person of the DMP*
State the time period covered by the dataset	**01 May 2025 - 31 July 2027**
Will you re-use any existing data and what will you re-use it for?	**No**
State the reasons if re-use of any existing data has been considered but discarded	**N/A**
What is the type and format of the dataset generated or re-used?	• **username: text** • **email address: text** • **posts: text, photos, pollings** • **likes: Boolean** • **comments: text** • **GPS location: Lat, Long** • **Log entries: IP address**
What is the expected size of the data that you intend to generate or re-use?	**~ 100 user entries (username, email)** **~ 1000 user posts** **~ 100 likes** **~ 100 comments** **~ 10 locations (city level)** **~ 10000 log entries**

What is the origin/provenance of the data, either generated or re-used?	**Users are creating the data via the registration and their activity in the ephemeral social network**
To whom might your data be useful outside your project?	**None. The data will not be made public and will only be gathered during the duration of the ephemeral social network and then deleted.**
Making data Findable (FAIR Data)	
Will this dataset be identified by a persistent identifier?	**N/A**
Will rich metadata be provided to allow discovery? What metadata will be created? What disciplinary or general standards will be followed? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how	**N/A**
Will search keywords be provided in the metadata to optimize the possibility for discovery and then potential re-use?	**N/A**
Will metadata be offered in such a way that it can be harvested and indexed?	**N/A**
Making data Accessible (FAIR Data)	
Please state the trusted repository where the dataset is deposited	**N/A**
Have you explored appropriate arrangements with the identified repository where your data will be deposited?	**N/A**
Will all data be made openly available? If certain datasets cannot be shared (or need to be shared under restricted access conditions), explain why, clearly separating legal and contractual reasons from intentional restrictions. Note that in multi-beneficiary projects it is also possible for specific beneficiaries to keep their data closed if opening their data goes against	**N/A**

their legitimate interests or other constraints as per the Grant Agreement	
If an embargo is applied to give time to publish or seek the protection of the intellectual property (e.g. patents), specify why and how long this will apply, bearing in mind that research data should be made available as soon as possible.	**N/A**
Will the dataset be accessible through a free and standardized access protocol?	**N/A**
If there are restrictions on use, how will access be provided to the data, both during and after the end of the project?	**N/A**
How will the identity of the person accessing the data be ascertained?	**N/A**
Is there a need for a data access committee (e.g. to evaluate/approve access requests to personal/sensitive data)?	**N/A**
Will metadata be made openly available and licenced under a public domain dedication CC0, as per the Grant Agreement? If not, please clarify why. Will metadata contain information to enable the user to access the data?	**N/A**
How long will the data remain available and findable? Will metadata be guaranteed to remain available after data is no longer available?	**N/A**
Will documentation or references about any software be needed to access or read the data be included? Will it be possible to include the relevant software (e.g. in open-source code)?	**N/A**
Making data Interoperable (FAIR Data)	
What data and metadata vocabularies, standards, formats or methodologies will you follow to make your data interoperable to allow data exchange and reuse within and	**N/A**

across disciplines? Will you follow community-endorsed interoperability best practices? Which ones?	
In case it is unavoidable that you use uncommon or generate project-specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies? Will you openly publish the generated ontologies or vocabularies to allow reusing, refining or extending them?	**N/A**
Will your data include qualified references[1] to other data (e.g. other data from your project, or datasets from previous research)?	**N/A**
Data re-usability	
How will you provide the documentation needed to validate data analysis and facilitate data re-use (e.g. readme files with information on methodology, codebooks, data cleaning, analyses, variable definitions, units of measurement, etc.)?	**N/A**
Will your data be made freely available in the public domain to permit the widest re-use possible? Will your data be licensed using standard reuse licenses, in line with the obligations set out in the Grant Agreement?	**N/A**
Will the data produced in the project be useable by third parties, in particular after the end of the project?	**N/A**
Will the provenance of the data be thoroughly documented using the appropriate standards?	**N/A**
Describe all relevant data quality assurance processes.	**N/A**
Allocation of resources	

1

What will the costs be for making data or other research outputs FAIR in your project (e.g. direct and indirect costs related to storage, archiving, re-use, security, etc.)?	**N/A**
How will these be covered? Note that costs related to research data/output management are eligible as part of the Horizon Europe grant (if compliant with the Grant Agreement conditions)	**N/A**
Who will be responsible for data management in your project?	**N/A**
How will long-term preservation be ensured? Discuss the necessary resources to accomplish this (costs and potential value, who decides and how, what data will be kept and for how long).	**N/A**
Data Security	
What provisions are or will be in place for data security (including data recovery as well as secure storage/archiving and transfer of sensitive data)?	**Data (posts) created are hosted on IN2's secure private cloud infrastructure and will be served using HTTPS, over encrypted connections. Our development framework has tools in place to prevent SQL injection and XSS attacks.**
Will the data be safely stored in trusted repositories for long-term preservation and curation?	**No**
Ethics	
Are there, or could there be, any ethics or legal issues that can have an impact on data sharing? These can also be discussed in the context of the ethics review. If relevant, include references to ethics deliverables and ethics chapters in the context of the project	**N/A**
Will informed consent for data sharing and long-term preservation be included in questionnaires dealing with personal data?	**N/A**

Other relevant issue	
Do you, or will you, make use of other national/funder/sectorial/departmental procedures for data management? If yes, which ones (please list and briefly describe them)?	**No**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	CDP Worldwide
Filled in by	Afroditi Mathioudaki
Date	20/05/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

With respect to NEREUS-CDP Workshop, CDP did/will not collect and process personal data, beyond what was required for the purposes of registration for the workshop and organization of the associated dinner (dietary requirements etc)

Workshop organization: attendees lists, feedback surveys.

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

Through Google Forms registration (TBC via NEREUS and GSH)

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

N/A

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

N/A

B. Measures: Security, Technical and Organisational

1. **Please specify the <u>security measures</u> that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

Password protection and limited access to this information (only workshop organizers)

2. **Description of the <u>technical and organisational measures</u> that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

3. **Please provide your organisation's <u>data protection policy or similar</u>, if any. If the organisation does not have a public document, please provide a summary**

Example →

Host	Data Protection Policy (please provide a link, if possible)

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

6. **Who will have access to the data?**

7. **How long will you keep it for?**

D.

E. Data Sharing

1. **Will this data be shared with other project partners or third parties outside the project? If yes, for what purpose?**

2. **Does your organisation intend to transfer personal data *to* non-EU countries?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

3. **Does your organisation intend to transfer personal data *from* non-EU countries to the EU as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

F. Profiling

1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	METIS
Filled in by	Simona Sirutė
Date	2025 05 06

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

WP6 (Communication & Dissemination) collects four small datasets:
Newsletter list – email address (purpose: send project news).
Website contact-form submissions – name, surname, e-mail, entity type, phone (purpose: reply to enquiries & build stakeholder registry).
Web & social-media analytics – IP address, browser/device identifiers (purpose: measure outreach effectiveness).
Public mentions via Brand monitoring platform – social-media usernames or names in publicly available posts (purpose: non-intrusive sentiment analysis).

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

• **Consent – Art 6 (1)(a)** for newsletter & contact-form data (Recitals 42-43).
• **Legitimate interest – Art 6 (1)(f)** for aggregated analytics & Brand Monitoring Platform of publicly available data (Recital 47; Recital 49 for security).

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

• Direct user input via MailerLite sign-up widget and OCEANIDS contact-form (HTTPS + CAPTCHA).
• Indirect technical collection via Google Analytics 4 (IP anonymised).
• API calls to BrandMentions for public posts matching OCEANIDS related keywords.

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

N/A

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

No. All data is gathered fresh for OCEANIDS with project-specific notices.

B. Measures: Security, Technical and Organisational

1. **Please specify the security measures that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

HTTPS/TLS, CAPTCHA, encrypted storage (generic), role-based access (2 admins), daily backups, penetration testing.

2. **Description of the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

Annual penetration test of the public-facing server (latest test: no critical issues) –
- **HTTPS/TLS encryption** for every form and admin panel.
- **CAPTCHA** on all web forms to block automated abuse
- **Daily encrypted backups** stored in an EU data-centre

3. **Please provide your organisation's data protection policy or similar, if any. If the organisation does not have a public document, please provide a summary**

Host	Data Protection Policy (please provide a link, if possible)
Partner X	Partnerx.com/privacypolicy
	Internal summary – the policy (Lithuanian) sets out: **1. Scope & legal basis** – applies to all personal data processed by METIS, especially employee and project-related contact data; follows GDPR, Lithuanian Law on Legal Protection of Personal Data, and related bylaws. **2. Key principles** – data minimisation, purpose limitation,

Example

	accuracy, storage limitation, integrity/confidentiality. **3. Roles & responsibilities** – Director is overall controller; a designated data-protection contact monitors compliance. **4. Data-subject rights procedure** – detailed workflow for access, rectification, erasure, restriction, and objection requests, including 30-day response deadline and record-keeping requirements. **5. Security measures** – user-access controls, strong passwords, encryption, antivirus, secure cloud hosting in the EU, daily backups, incident-reporting channel. **6. Training & awareness** – employees must complete GDPR awareness training before being granted access to personal data. **7. Retention & deletion** – retention periods defined per data category; backups and deletion logs maintained. **8. Audit & revision** – policy reviewed annually or after any major change in processing.

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

Analytics & sentiment data exported **only as aggregated statistics**.
• Contact-form entries pseudonymised internally (random ID ↔ key file stored separately).

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

METIS stores data on Microsoft 365 SharePoint (EU geo) and MailerLite EU servers; backups on encrypted Azure Blob (EU North)

6. **Who will have access to the data?**

Authorised METIS WP6 staff members, no other third-party.

7. **How long will you keep it for?**

Personal data kept for the project duration + 6 months, then deleted or retained only with renewed consent.
Art 5 (1)(e) storage-limitation rationale: six-month buffer covers EC final-report queries and possible audits.

D.
E. Data Sharing

1. **Will this data be shared with other project partners or third parties <u>outside</u> the project? If yes, for what purpose?**

Yes – only anonymised or pseudonymised statistics in WP6 deliverables; no direct identifiers.

2. **Does your organisation intend to transfer <u>personal data *to* non-EU countries</u>?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

No. METIS will keep all OCEANIDS-related personal data inside the European Economic Area (EEA).

3. **Does your organisation intend to transfer <u>personal data *from* non-EU countries to the EU</u> as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

No

F. Profiling

1. In case the research involves **<u>profiling,</u>** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of <u>automated processing</u> of personal data consisting of the use of personal data to <u>evaluate</u> certain personal aspects relating to a natural person, in particular, to <u>analyse or predict</u> aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

No. BrandMentions is used solely for **aggregate sentiment metrics**, with no automated decisions about individuals.

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

As a small company we are not legally required to appoint a Data Protection Officer (DPO) under the General Data Protection Regulation (GDPR). According to the European Commission, the obligation to designate a DPO applies primarily to organizations whose core activities involve large-scale processing of sensitive data or regular and systematic monitoring of individuals on a large scale.
While we do not have a formally appointed DPO, we are committed to complying with GDPR requirements and have implemented appropriate measures to safeguard personal data. These include maintaining clear data handling procedures, ensuring transparency in our data processing activities, and upholding the rights of data subjects.

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	NEREUS
Filled in by	NEREUS
Date	30/04/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

During the Events, the personal data of Participants that will be processed include the name, the email address, telephone, and, provided that the Participant will provide his/her consent, photos and videos with the Participant's image and/or voice. It is possible that a workshop may also be broadcasted online.
WP2 and 6.
The purpose of the processing of the aforementioned personal data is (a) the documentation of the work and the project implementation by the members of the project consortium and (b) the promotion of the project.

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

The legal basis for the processing of personal data is (a) the legitimate interest by the Controller and specifically the implementation of the workshop in the context of the project and (b) the consent of the Participants consent shall be given by means of the relevant form attached to this form.

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

NEREUS uses Microsoft forms.

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No.

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

No.

B. Measures: Security, Technical and Organisational

1. **Please specify the <u>security measures</u> that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

Use of passwords;

2. **Description of the <u>technical and organisational measures</u> that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

N/A

3. **Please provide your organisation's <u>data protection policy or similar</u>, if any. If the organisation does not have a public document, please provide a summary**

Example →

Host	Data Protection Policy (please provide a link, if possible)
Partner X	<u>Partnerx.com/privacypolicy</u>
NEREUS	https://www.nereus-regions.eu/privacy-and-data-protection/

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

No.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

The personal data will be retained by NEREUS for up to three (3) years after the completion of the project and shall be safely deleted after the aforementioned period.

6. **Who will have access to the data?**

NEREUS

7. **How long will you keep it for?**

3 years.

D.

E. Data Sharing

1. **Will this data be shared with other project partners or third parties outside the project? If yes, for what purpose?**

No.

2. **Does your organisation intend to transfer personal data *to* non-EU countries?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

No.

3. **Does your organisation intend to transfer personal data *from* non-EU countries to the EU as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

No.

F. Profiling

1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

N/A

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com
NEREUS	Emmanuelle Lambert / Margarita Chysaki	nereus.secretary@euregions4space.com mchrysaki.nereus@euregions4space.com

   - b. **If a DPO has not been appointed, please specify why.**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	Resilience Guard - RG
Filled in by	Daphne Pantousa
Date	04/05/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

No

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

n/a

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

n/a

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

n/a

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

n/a

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

n/a

B. Measures: Security, Technical and Organisational

1. **Please specify the security measures that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

n/a

2. **Description of the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

n/a

3. **Please provide your organisation's data protection policy or similar, if any. If the organisation does not have a public document, please provide a summary**

Example →

Host	Data Protection Policy (please provide a link, if possible)
Partner X	Partnerx.com/privacypolicy

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

n/a

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

n/a

6. **Who will have access to the data?**

n/a

7. **How long will you keep it for?**

n/a

D.

E. Data Sharing

1. **Will this data be shared with other project partners or third parties outside the project? If yes, for what purpose?**

n/a

2. **Does your organisation intend to transfer personal data *to* non-EU countries?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

n/a

3. **Does your organisation intend to transfer personal data *from* non-EU countries to the EU as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

n/a

F. Profiling

1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

n/a

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	Web 2 Climate PC- WTOC
Filled in by	Raptis Ioannis Panagiotis
Date	5/5/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

No. All data collection performed in our tasks is using anonymized statistics of climatological events.

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

Non applicable

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

Non applicable

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

4. **Will you be using personal data in the project that you have previously collected?**
   A. In the affirmative, do you have an appropriate legal basis**?** *(i.e., using personal data from previous projects*

No

B. Measures: Security, Technical and Organisational

1. **Please specify the <u>security measures</u> that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

All data stored for the needs of the projected are encrypted.

2. **Description of the <u>technical and organisational measures</u> that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

Non applicable

3. **Please provide your organisation's <u>data protection policy or similar</u>, if any. If the organisation does not have a public document, please provide a summary**

Host	Data Protection Policy (please provide a link, if possible)
wtoc.eu	https://irp.cdn-website.com/ee84269a/files/uploaded/DPP1.1.pdf

Example

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

Non applicable

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

Non applicable

6. **Who will have access to the data?**

Non applicable

7. **How long will you keep it for?**

Non applicable

D.

E. **Data Sharing**

1. **Will this data be shared with other project partners or third parties <u>outside</u> the project? If yes, for what purpose?**

No

2. **Does your organisation intend to transfer <u>personal data *to* non-EU countries</u>?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

No

3. **Does your organisation intend to transfer <u>personal data *from* non-EU countries to the EU</u> as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

No

F. Profiling

1. In case the research involves **<u>profiling,</u>** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of <u>automated processing</u> of personal data consisting of the use of personal data to <u>evaluate</u> certain personal aspects relating to a natural person, in particular, to <u>analyse or predict</u> aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

Our data collection does not involve any profiling.

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
    a. In the affirmative, provide both a name and email address in the box below.

Host	DPO	Contact
WTOC	DPO	piraptis@wtoc.eu

Example

b. **If a DPO has not been appointed, please specify why.**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	Hellenic Centre for Marine Research (HCMR)
Filled in by	Platon Patlakas
Date	28/04/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

No.

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

-

2. **How will this data be collected?**
(e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

-

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No.

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

-

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

No

B. Measures: Security, Technical and Organisational

1. **Please specify the <u>security measures</u> that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

-

2. **Description of the <u>technical and organisational measures</u> that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

-

3. **Please provide your organisation's <u>data protection policy or similar</u>, if any. If the organisation does not have a public document, please provide a summary**

Example →

Host	Data Protection Policy (please provide a link, if possible)
Partner X	<u>Partnerx.com/privacypolicy</u>

4. **Will you be applying <u>anonymisation and pseudonymisation techniques</u> to personal data?** If yes, please specify which techniques and how they will be implemented.

No.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

-

6. **Who will have access to the data?**

-

7. **How long will you keep it for?**

-

D.

E. Data Sharing

1. **Will this data be shared with other project partners or third parties outside the project? If yes, for what purpose?**

-

2. **Does your organisation intend to transfer personal data *to* non-EU countries?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

-

3. **Does your organisation intend to transfer personal data *from* non-EU countries to the EU as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

-

F. Profiling

1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

-

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.
Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

A. Data Processing	
Partner name and acronym	**IN2 Digital Innovations GmbH / IN2**
Filled in by	**Alexandru Stan (IN2), George Ioannidis (IN2), Konstantina Geramani (IN2)**
Date	**20 May 2025**

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

For user registration purposes to the ephemeral social network we require:
1. Username
2. Email Address

During the app interactions users might decide to share on their own free will further personal data (e.g. by answering polls, by making comments or posts).

During the running of the application we check the GPS location of the user.

For logging and debugging we keep track of IP addresses (without linking them to specific user accounts)

   a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

GDPR regulation is applied. Terms and conditions and Privacy Policy of the system will specify more details.

2. **How will this data be collected?**
   (e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

Data will be collected through user testing.

Feedback on using the app will be collected separately by other pilots involved in piloting.

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

   (As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No

   a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

N/A

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

No

B. Measures: Security, Technical and Organisational

1. **Please specify the security measures that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

> User accounts are password protected using best practice approaches. Communication is secure and encrypted.

2. **Description of the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

> Access to personal data is restricted to persons only needed to have access. Furthermore, state of the art encrypted and protected access (over secure connection, only using key authentication) is enabled. Data is backed-up daily in two different locations.

3. **Please provide your organisation's data protection policy or similar, if any. If the organisation does not have a public document, please provide a summary**

Host	Data Protection Policy (please provide a link, if possible)
IN2	https://in-two.com/imprint

4. **Will you be applying anonymisation and pseudonymisation techniques to personal data?** If yes, please specify which techniques and how they will be implemented.

> Data presented to the admin users is aggregated and pseudo-annonymised.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

> Data is stored on IN2 cloud service premises located in Germany and Finland, using the Hetzner infrastructure (https://www.hetzner.com/).

6. **Who will have access to the data?**

> - IN2 application developers.
> - Some aggregated data will be available to admin accounts.

- Normal user accounts will be able to see usernames and posts done by other users.

7. **How long will you keep it for?**

Data is kept until the administrator of the ephemeral network decides that the network is no longer necessary. At that point aggregated anonymized data can be exported and all raw data deleted.

C. Data Sharing

1. **Will this data be shared with other project partners or third parties <u>outside</u> the project? If yes, for what purpose?**

No, the data will be shared only with partners within the project who are working on the validation of the application.

2. **Does your organisation intend to transfer <u>personal data *to* non-EU countries</u>?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

No

3. **Does your organisation intend to transfer <u>personal data *from* non-EU countries to the EU</u> as part of the OCEANIDS project? Yes/no**

    a. In the affirmative, what type of data do you intend to import in the EU?
    b. Are such transfers by the legislation of the country from which personal data is transferred? Specify which legislation
    c. Are such transfers by the GDPR? If so, specify

No

D. Profiling

1. In case the research involves **<u>profiling,</u>** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR*,

profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements)

No profiling foreseen

E. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Host	DPO	Contact
IN2	–	–

   - b. **If a DPO has not been appointed, please specify why.**

IN2 is not required to appoint a DPO since it is not handling large scale data regularly - where the processing of user data is the main activity and looks at data subjects on a large scale.

Questionnaire/Use Of Personal Data

In this section, additional templates of Questionnaires are introduced concerning the use of personal data. These questionnaires will be distributed to identify how all of the personal data that will be processed are relevant and limited to the purposes of the research project (by the 'data minimization 'principle). Within the context of the Horizon Europe projects, detailed information on the informed consent procedures for the processing of personal data must be submitted.

Templates of the informed consent forms and information sheets about data processing (in language and terms intelligible to the participants, including DPO contact details for host institutions required to appoint a DPO under the General Data Protection Regulation 2016/679) must be submitted.

Partner name and acronym	European Association of Remote Sensing Companies (EARSC)
Filled in by	Weronika Borejko
Date	14/04/2025

A. Data Processing

1. Will you be collecting/processing personal data as part of your tasks? If yes, please specify which kind of personal data, for which Task/WP and why it is necessary to process such data ('purpose').

(*As per Article 4(1) GDPR, Personal data means any information relating to an identified or identifiable natural person who can be identified,* ***directly or indirectly****, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier (including IP address) or to* ***one or more factors*** *specific to the physical, physiological, genetic, mental, economic, cultural or social identity of that natural person*)

Yes, EARSC will collect and process limited personal data as part of its tasks. The data will primarily consist of contact details (e.g., name, email address, organization, position) of relevant stakeholders.

This data processing is linked to liaison and gap analysis activities, particularly under Work Package 2, Task 2.2 and WP6, Task T6.2, where EARSC will connect with key organizations, networks, projects, users, and service providers.

All data will be stored in a GDPR-compliant CRM tool with access restricted to authorized EARSC team members.

The purpose of processing this data is to facilitate:

- Stakeholder engagement and communication,
- Contribution to a gap analysis,
- Dissemination of project results and activities,
- Coordination of project events and consultations.

a. **What legal basis will be relied upon for processing such personal data? (*Article 6 GDPR*)**

The legal basis for processing personal data will be:

1. Consent (Article 6(1)(a) GDPR) – Personal data will be processed only if individuals have explicitly given their consent to be contacted and involved in project activities.
2. Legitimate interest (Article 6(1)(f) GDPR) – In some cases, EARSC may rely on legitimate interest for processing publicly available or previously collected contact information, strictly for stakeholder engagement and dissemination activities that are aligned with the purpose of the project and do not override the interests or rights of the data subjects.

Only personal data that is either publicly available, previously acquired lawfully by EARSC, or provided with explicit consent will be processed. All processing will be in accordance with GDPR principles and subject to appropriate safeguards.

2. **How will this data be collected?**
   (e.g., Collected directly from researchers, pilot testers or systems? Indirectly from the use of technical systems? What research methods are you using? I.e., observations, interviews, surveys, workshops, participation in simulations, etc.?)

Data will be collected directly from stakeholders such as local and regional authorities, companies, and projects through structured methods including contact forms, direct interactions at events, and desktop research. In some cases, data may also be gathered indirectly via usage of technical systems (e.g., analytics tools or digital platforms). All collected data will be stored in a GDPR-compliant CRM tool, to which only the EARSC team has access, with permissions granted and managed by an administrator.

3. **Will you be collecting/processing special categories of personal data? If yes, why and for what purpose and for which WP?**

(As per Article 9(1) GDPR: Special categories of data are data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership, and the processing of genetic data, biometric data to uniquely identify a natural person, data concerning health or data concerning a natural person's sex life or sexual orientation)

No special categories of personal data will be processed or stored.

a. **If affirmative, what legal basis will be relied upon for processing special categories of personal data?** (*Article 9(2) GDPR*)

4. **Will you be using personal data in the project that you have previously collected? A. In the affirmative, do you have an** appropriate legal basis**?** *(i.e., using personal data from previous projects*

Yes, EARSC may use personal data previously collected through past projects or stakeholder engagement activities. However, only data subjects who explicitly consented to being contacted about future EARSC activities and projects will be included.

The legal basis for using this previously collected data is consent (Article 6(1)(a) GDPR), obtained during the original data collection, where individuals were informed their data may be used for similar outreach and project-related purposes.

All data reuse will be in line with the original purpose for which the consent was given, and data subjects will retain the right to withdraw consent at any time.

B. Measures: Security, Technical and Organisational

1. **Please specify the <u>security measures</u> that will be implemented to prevent unauthorised access to personal data or the equipment used for processing** *(such as encryption, use of passwords, user accounts, log keeping, etc.)*

2. **Description of the <u>technical and organisational measures</u> that will be implemented to safeguard the rights and freedoms of the data subjects/research participants** (for *example: staff training on personal data, describing your organisation's cyber security measures, and measures to data loss prevention and recovery, or any certifications (e.g., ISO 27001)).*

3. **Please provide your organisation's <u>data protection policy or similar</u>, if any. If the organisation does not have a public document, please provide a summary**

Host	Data Protection Policy

Example

	(please provide a link, if possible)
Partner X	Partnerx.com/privacypolicy

4. **Will you be applying anonymisation and pseudonymisation techniques to personal data?** If yes, please specify which techniques and how they will be implemented.

5. **Who will store the data? Where? How will you ensure it is stored securely?** *(e.g., migrating data to the best format and media, storing, and backing up the data, creating preservation documentation, and reserving the data, etc.)*

6. **Who will have access to the data?**

7. **How long will you keep it for?**

D.

E. Data Sharing

1. **Will this data be shared with other project partners or third parties <u>outside</u> the project? If yes, for what purpose?**

2. **Does your organisation intend to transfer <u>personal data *to* non-EU countries</u>?**

    a. In the affirmative, which kind of data and to which countries?
    b. Describe the transfer mechanism according to Chapter V of the GDPR.

3. **Does your organisation intend to transfer <u>personal data *from* non-EU countries to the EU</u> as part of the OCEANIDS project? Yes/no**

a. In the affirmative, what type of data do you intend to import in the EU?
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1. In case the research involves **profiling,** provide an explanation as to how the data subjects will be informed of the existence of the profiling, its possible consequences and how their fundamental rights will be safeguarded. (*As per Article 4(4) GDPR, profiling' means any form of automated processing of personal data consisting of the use of personal data to evaluate certain personal aspects relating to a natural person, in particular, to analyse or predict aspects concerning that natural person's performance at work, economic situation, health, personal preferences, interests, reliability, behaviours, location or movements*)

G. DPO Information

1. **Has your organisation appointed a Data Protection Officer ("DPO") or an equivalent data protection professional?**
   - **a.** In the affirmative, provide both a name and email address in the box below.

Example →

Host	DPO	Contact
Partner X	…..	Janedoe@partnerx.com

   - b. **If a DPO has not been appointed, please specify why.**

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