

Job offer

Name of the position	Number of positions	Type of the contract	Duration of the contract
Data steward and oceanographic data specialist in the context of the NextGenerationEU PTI Oceans+ IDEMar project.	2	Full-Time job III-B-3	Contract linked to the Next Generation EU-funded: NextGenerationEU PTI Oceans+ IDEMar project (Until 30 november 2025)

Selection process

The selection process consists of two phases: a merit assessment (maximum 80 points, minimum 30 points to pass this phase) and a personal interview (maximum 20 points, minimum 15 points to pass this phase).

The date of the interview will be communicated to the candidates once the period for receiving applications ends.

The mandatory documentation required indicated in the participation requirements and its accreditation, must be attached to the presentation of the candidacy. The rest of the supporting documentation for the merit assessment phase must be presented at the interview.

Object of the contract

In the framework of the Next Generation EU-funded project PTI Oceans+, SOCIB is one out of 3 partners developing the Spanish Marine Spatial Data Infrastructure (IDEMar -Infraestructura de Datos Espaciales Marinos-). The main objective is to respond to the needs of the implementation of the Marine Strategy Framework Directive (MSFD) in Spain, harmonizing and integrating the current existing marine data infrastructures of Instituto Español de Oceanografía (CSIC/IEO), Unidad de

Tecnología Marina (CSIC/UTM) and SOCIB, so that they converge in the creation of a single, distributed infrastructure and a multidisciplinary marine spatial data system. The aim here is to make sure that the data is accessible, usable and safe.

The specific objectives are:

- Analyze the existing information and harmonize the data life cycles of each institution, in line with the standards and good practices included in data management plans at a European and international level, reaching an appropriate FAIR level for this.
- Create a web portal that includes a super-catalog (IDEMar Data Catalog) of national marine data that catalogues and exposes the existing data in each institution and that allows the integration of data of a different nature, preserving their possible interrelationship of origin.
- Prepare the data management and preservation plans for each institution, considering institutional data policies and following international standards.
- Create mechanisms that allow the distribution of data to the main international portals.

The object of this contract is to support data management activities at SOCIB needed to respond to the IDEMar specific objectives, including:

- Ensure data operations are timely carried out in the context of the SOCIB Data Management System.
- Ensure that data assets are represented in the SOCIB Data Repository following internal data policies and procedures.
- Historical data assessment and curation following internal data policies and procedures.
- Ensure that SOCIB data assets are incorporated into the IDEMar Data Catalog.
- Support for the automation mechanisms to ensure the distribution of data to international portals.

This position partners with the Data Manager to ensure that all data related data policies, guidelines and procedures are followed.

General regulations

The selection process will be carried out with respect to the constitutional principles of equality, merit, capacity, transparency and concurrence.

Name of the position

Data steward and oceanographic data specialist in the context of the NextGenerationEU PTI Oceans+

IDEMar project.

Tasks and responsibilities

In general terms, the new person will be in charge of managing and overseeing SOCIB's research data assets, collecting and evaluating any and all issues related to data, ensuring that the data is in the right format, providing quality control of data, playing a functional role in data management and governance as well as carrying out data usage and security policies based on set initiatives.

All tasks are scoped in accordance with the IDEMar project objectives. Particularly she/he will be responsible for the:

- Implementation and adherence to world-class data standards, best practices and quality control tests, conventions and governance principles to ensure that SOCIB's data assets are managed to secure their quality, reliability and FAIRness.
- Coordinate with UTM and IEO data stewards to ensure that SOCIB data assets are incorporated into the IDEMar Data Catalog.
- Assessment of the SOCIB Data Catalog to ensure alignment with SOCIB's data assets, conformance with the Business Glossary, technology landscape, end-to-end data flows/transformations and data lineage.
- Administration of metadata and processing configurations..
- Enforcing data policies and data guidelines and ensures data quality, and that data is used in compliance with both SOCIB's Data Policy and regulatory obligations.
- Provision of oceanographic expertise to support SOCIB's Data Centre, ensuring the proper link with the marine and coastal fields.
- Edition of the required documentation in the context of the project, including milestone and deliverables reports.
- (Meta)data analysis, profiling and mapping.
- Data Cleansing by identifying, removing duplications or correcting errors in data records in coordination with the SOCIB's facilities.
- Monitoring of data to maintain high-quality information around the clock.
- Ensuring that developments and procedures adhere to both SOCIB's Data Policy and Data Quality Strategy in partnership with the data governance team (including SOCIB facilities, software engineers and web engineers).
- Support the implementation of data pipelines towards the main European Data Aggregators (e.g. EMODnet, Copernicus Marine In Situ, SeaDataNet), making data accessible.

Application requirements and its accreditation

Academic:

- BSc in Mathematics, Physics, Marine Science, Computer Science, Engineering, or relevant field.
 - Mandatory documentation accreditation form: academic titles or equivalent certificate.

Work experience:

- Minimum 1 year of work experience in research organizations related to oceanography or scientific data stewardship.
 - Form of accreditation of the mandatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.

Merits assessment phase (80 points maximum, 30 points minimum)

- Work experience as a Data Steward in oceanographic data centers throughout the entire value chain (from its acquisition to the development of products and services for different marine sectors): 9 points for each year up to a maximum of 18 points.
 - Mandatory documentation accreditation form: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- Work experience in oceanographic data centers: 4 points for each year up to a maximum of 8 points.
 - Mandatory documentation accreditation form: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- Work experience as a physical oceanographer, in coastal dynamics, with experience in operational oceanography and coastal observing and forecasting systems with multidisciplinary background: 8 points for each year up to a maximum of 16 points.
 - Mandatory documentation accreditation form: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- Work experience with netCDF format: 8 points for each year up to a maximum of 16 points.
 - Form of accreditation of the obligatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- MSc in Mathematics, Physics, Oceanography, Computer Science, Engineering, or relevant field: 3 points if any of the academic titles mentioned above are owned by the applicant.
 - Mandatory documentation accreditation form: academic titles or equivalent certificate.
- English level B2 or equivalent: 2 points. C1 or equivalent: 3 points (not accumulable).
 - Form of accreditation of the obligatory documentation: title or equivalent certificate.

- International working groups membership in the field of oceanographic data stewardship or data management: 1 point for each working group year up to a maximum of 2 points.
 - Mandatory documentation accreditation form: demonstrable through links to the corresponding web pages of members of each of the working groups.
- Work experience with the python, R, java or bash programming language: 2 points for each year up to a maximum of 4 points.
 - Form of accreditation of the obligatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- Programming language courses or training: 1 points for each course or training attendance and completion up to a maximum of 2 points.
 - Form of accreditation of the obligatory documentation: copy of the issued certificates by the course or training organizer.
- Work experience with Geographic Information Systems (GIS): 1 point for each year up to a maximum of 2 points.
 - Form of accreditation of the obligatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held.
- Geographic Information Systems courses or training: 1 points for each course or training attendance and completion up to a maximum of 2 points.
 - Form of accreditation of the obligatory documentation: copy of the issued certificates by the course or training organizer.
- Demonstrable knowledge of the Copernicus Marine In Situ system: 2 points.
 - Form of accreditation of the obligatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held. In relation to the topic of interest, demonstrable authorship or contributions to publicly available documents, reports, publications or datasets are also acceptable.
- Demonstrable knowledge of the SeaDataNet data and metadata system: 2 points.
 - Form of accreditation of the obligatory documentation: copy of the contracts or equivalent, or certificate issued by the company in which the position has been held. In relation to the topic of interest, demonstrable authorship or contributions to publicly available documents, reports, publications or datasets are also acceptable.

Interview (20 points maximum, 15 points minimum)

The interview will be conducted in English: the Selection Board will assess the suitability and ability of the candidates for the position for which they are applying, their personal skills, commitment and attitude.

Start date and end date for receipt of applications

Applicants are allowed to apply as soon as the vacancy is published in the SOCIB corporate website. Applications will be accepted until november 14, 2024.

Selection Board

President: Data model and architect of Digital Twins of the Ocean

Secretary: Head of the Data Center Area

Member 1: Head of the Technological Area

Member 2: Head of the Scientific Area

Workplace

Sistema de Observación y Predicción Costero de las Illes Balears (SOCIB). Calle Isaac Newton, Edificio Naorte, Bloque A, 2º piso, puerta 3, Parc Bit, 07122 Palma, Mallorca, Illes Balears, España.

Data Protection

According to article 5 of Organic Law 3/2018, of December 5, Protection of Personal Data and guarantee of digital rights, the members of the Selection Board are bound by the duty of confidentiality and professional secrecy regarding the data of personal nature that they could treat for the development of their functions in the present selection process.

For the purposes of communications, queries and other incidents, they may be sent, by email, to the address protecciondatos@socib.es. The information related to the call will be available on the corporate website of the ICTS SOCIB: www.socib.es.

COMPLIANT CHANNEL

The SOCIB is committed to complying with the law and the fight against fraud, corruption and conflict of interest. Any event that may presumably constitute a crime or serious or very serious regulatory violation in the contracting process must be reported through the SOCIB complaints channel, which is accessible from the home page of the entity's website. The SOCIB compliant channel is an internal

information channel, which is part of the SOCIB's internal information system in compliance with the requirements imposed by Law 2/2023 for the protection of people who report regulatory violations and the fight against corruption, designed, established and managed in a secure way, so as to guarantee the confidentiality of the identity of the informant and of any third party mentioned in the communication, and of the actions that are carried out in the management and processing of the same, as well as data protection, preventing access by unauthorized personnel. People who report or reveal violations will have the right to protection, even when they do so anonymously and are subsequently identified, provided they have reasonable grounds to believe that the information referred to through the channel is true at the time of communication or disclosure. even when they do not provide conclusive evidence of the alleged infringement reported. The SOCIB Policy on the Internal Information System and Defense of the Informant and the Regulations for the Procedure for Information Management and Internal Investigations are available on the entity's website.

How to apply

Interested applicants should send a CV and all the required documentation to IDEMAR-data-steward-position@socib.es.