SOCIB DOIs Working Group

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(on behalf of Data Center)

OUTLINE

1. Background

2. DC Objectives concerning DOIs

3. DOIs assignment strategy

4. Ongoing and future activities

1. **Background**

- SOCIB Data Center has been working on the implementation of the **DOI's System** since **2017**.

- Current DOIs Generation at SOCIB:
  - DataCite metadata schema (taking advantage of the SOCIB collaboration with Digital.CSIC and the agreement between DataCite and Digital.CSIC).

  - xml template metadata:

Creators / Title / Publication Year / Publisher / Resource Type General / Subjects/Keywords / Contributors / Description / Geolocations / Language / Rights / Version / Funding References

2. <u>DC Objectives concerning DOIs</u>

- Establish clear working guidelines.
- **Improve** the **collaboration** with facilities.
- **Improve** SOCIB data **traceability** and FAIRness.
- Continuous collaboration with **Digital.CSIC**

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- **Improve** the **collaboration** with facilities.
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3. DOIs assignment strategies

a. Datasets: SOCIB DOI System in general.

b. Documentation: SOCIB DOI System when requested

c. Software: Zenodo

3. <u>DOIs assignment strategies</u>

- ● **<u>Datasets</u>**

➔ Proposed strategy: to assign per data product a Digital Object Identifier (DOI)

➔ Data-Product: collections of datasets produced in the frame of a given project, campaign or observation program.

➔ The **datasets** produced in SOCIB are part of a **project, campaign or observation program**.

Proposed strategy to be shared with the personnel involved

3. DOIs assignment strategies

- **Documentation**

➔ Actual strategy: based on a direct request to DC (e.g. <u>SOCIB Strategic Plan 2017 - 2020</u>).

➔ Landing pages are served by Ramadda: migration to other documentation management system could be discussed in the future.

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- ## Software

➔ Actual strategy: only for selected SOCIB's software (eg. Glider Toolbox and the Salinity Correction Toolbox) through Zenodo and Github (kind of Best Practice)

3. Ongoing and future activities

- New **management application** (management.apps.socib.es): currently used for managing data products including DOIs creation and update.
- Interoperability of the SOCIB data with assigned DOIs using JSON-LD: eg. **Google Dataset**
- Check the different **tools to create metrics** and the fitting with the SOCIB DC system: upcoming