WP5: Metadata and data content – State of the art and Work plan for the 1st year (NA4)

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Objectives of NA4

• **Expand** the data and metadata content of the system:
  – From existing and new partners
  – Other projects, networks not yet connected
• Successfully deploy **new and upgraded components** of the data and metadata services (developed within JRA WP8,9).
• Deploy **interoperability** solutions with major regional and global data systems.
SeaDataNet metadata directories

EDMOS
Organisations

EDMOS
Organisations

EDMERP
Projects

EDIOS
Observing programmes

CDI
Data index

CSR
Research cruises

EDMED
Data sets

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## Workplan

<table>
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<th>WP</th>
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<tr>
<td>5.1</td>
<td>Population and maintenance of metadata directory services (EDMED, EDIOS, EDMERP, EDMO and CSR)</td>
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<tr>
<td>5.2</td>
<td>Installing, configuring and taking into operation local components for the upgraded metadata directory services (EDMED, EDIOS, EDMERP, EDMO and CSR)</td>
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<td>5.3</td>
<td>Population and maintenance of the CDI Data Discovery and Access service (CDI)</td>
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<td>Installing, configuring and taking into operation local components for the upgraded CDI data discovery and access service</td>
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<td>5.5</td>
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Population and maintenance of content

- Entry and updating is done by partners using CMS, harvesting or XML delivery by email to central managers
- Available maintenance services and governance

http://www.seadatanet.org/Metadata/How-to-contribute
**Tasks WP5.2, 5.4**

- Metadata formats will be updated for publishing linked data (development within WP8 activities)
- Cloud and HPC services will be added to the CDI service (development within WP9 activities)
- Implications on the metadata services, population and maintenance tools
  - Preparing an implementation plan and instructions for the gradual installation per directory (WP5.2.1, WP5.4.1, TTG, M16)
  - Installing and configuring upgraded components for the population of metadata directory services at the national nodes and connected centers (WP5.2.2, WP5.4.2, TTG, **All partners**, M24)
Task WP5.5

- Interoperability and exchange with other EU and International data systems (by TTG, M40)
  - applying the interoperability solutions and technologies successfully introduced and demonstrated by GEOSS (Global Earth Observation System of Systems) and as part of the Ocean Data Interoperability Platform (ODIP II) project.
  - SeaDataNet dataset references will be added to the EUDAT B2FIND catalogue to enlarge the audience of marine datasets at a cross-disciplinary level.
Activities from the first year/All partners

- Population and maintenance of metadata services, continually activity, M1-M48 (by all partners)
SeaDataNet metadata directories content

End of SDN2 project
We have to continually maintain the increasing trends

• Monthly follow up reports with contributions from all partners will monitor partners activity.

• All partners activity will be reported in the annual metrics reports (in WP6).

• New partners with their already identified data sets have to start activities to connect.

• There are old partners with no activity (will be contacted to undertake action).
Supporting material & activities

• Guidelines, manuals and documentation
  – [http://www.seadatanet.org/Metadata/How-to-contribute](http://www.seadatanet.org/Metadata/How-to-contribute)

• Direct contact to managers of central directories, NA4 leader

• Training courses (M20, M32)