



SeaDataCloud

WP8: Introduction

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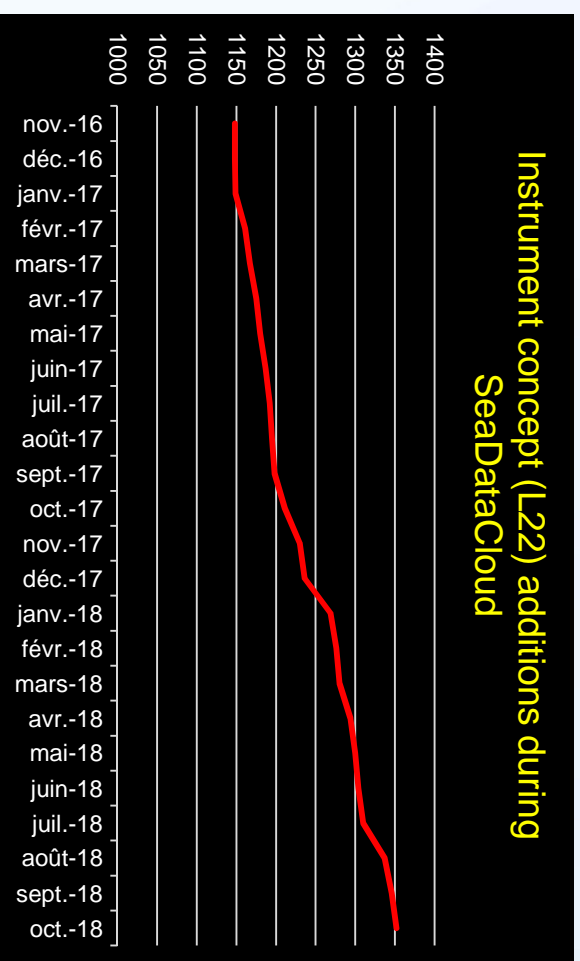
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Work Package highlights

WP8.1: Further development of Common Vocabularies (NERC-BODC, MI, ICES, CSIRO and JCOMMOPS)

- Further P01 concept migration to new semantic models and exposure via vocabulary builder (~85% complete)
- Delivery of D8.1 covering NVS transparency, deprecation, versioning and mapping provenance (**update to follow...**)

Vocabulary growth...



Platform register developments:

- **888 new C17 concepts** in last 12 months (most from adding JCOMMOPS vessels)
- Active **governance extended** beyond ICES – BODC now responsible for gliders, with further empowerment proposed
- Progress with **resolving differences** between ICES and BODC caused by errors/loose discipline prior to 2004 (discrepancy reduced from 500 to <100 in past year)

- **Task WP8.2: Analysing Linked Data principle for common directories (EDMED, EDMERP, EDMO, CSR, EDIOS and CDI) - MI, NERC-BODC, IFREMER, CNR, BSH and MARIS**
- **Task WP8.3: Review of data formats, also considering INSPIRE data models (O&M) – NERC-BODC, CNR, SYKE and CSIRO**

➤ **Updates to follow...**

- **Task WP8.4: Authentication and Authorisation Infrastructure (AAI) integration with GEANT/eduGain (shibboleth federation of identity) and social networks (OAuth, OpenID) and possible other AAI systems (e.g. Copernicus) – IFREMER**
 - Integration of Marine-ID with B2ACCESS in secure, seamless manner. D8.7 undergoing minor update. Delivery imminent.

- **Task WP8.5: Upgrading the operational Monitoring system - HCMR, GRNET, STFC and OGS**
 - D8.8 submitted

Deliverables

- D8.1: Report outlining vocabulary governance model, system for deprecation of vocabularies, versioning of concepts and provenance of mappings (M24)
- D8.2: Report outlining the status of the common vocabularies and vocabulary server, including vocabulary builder and new vocabularies added (M48)
- D8.3: Updated metadata formats and related XML schemas (M8)
- D8.4: Pilot SPARQL (RDF) Endpoints for EDMED, EDMERP, EDMO, CSR, EDIOS and CDI operational (M14)
- D8.5: Developing upgraded REST interfaces where needed (M18)
- D8.6: Review of data formats, also considering INSPIRE data models (M12)
- D8.7: AAI integration with GEANT/eduGain (shibboleth federation of identity) and social networks (Oauth, OpenID) and possible other AAI systems (e.g. Copernicus) (M24)
- D8.8: Upgraded monitoring system operational (M24)