



# SeaDataCloud

WP8 – next steps

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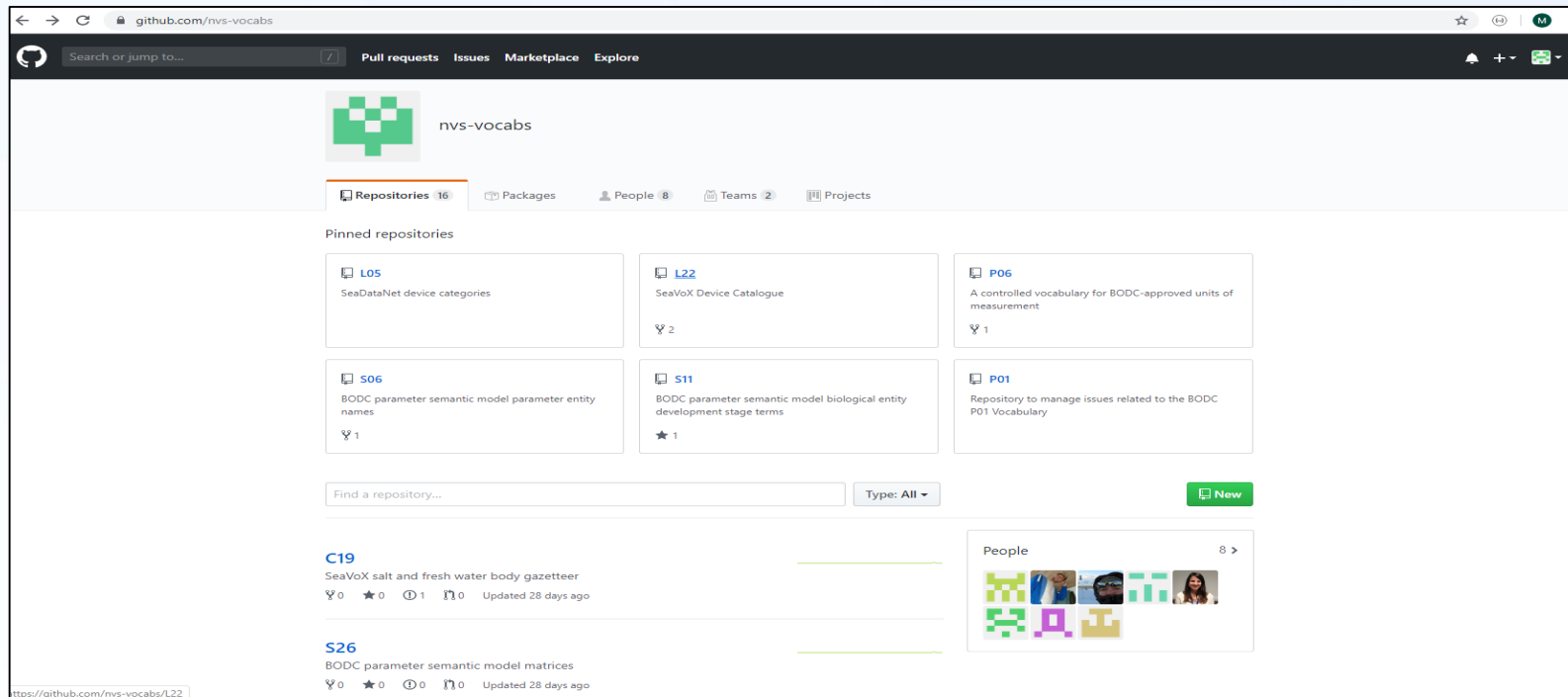
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## Work Package Deliverables - Status

- 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)

## WP8.1: Further development of Common Vocabularies

Trialling the use of **GitHub** as part of our vocabulary management workflow using subset of collections



## WP8.1: Further development of Common Vocabularies

- Ongoing **migration of P01** concepts to new NVS semantic models
- Continued **C17** harmonisation with ICES Platform Register
- Review of **C19** spatial representation

## WP8.1: Further development of Common Vocabularies

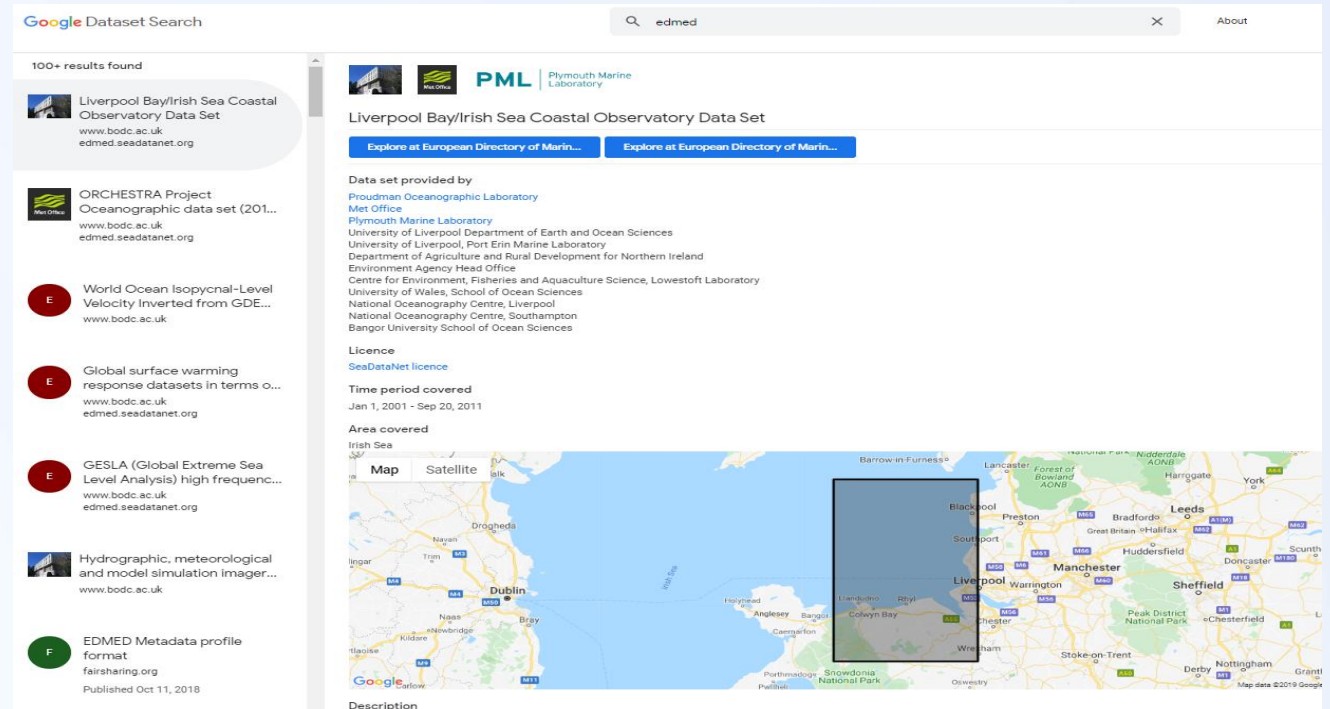
Related activity underway within BODC Vocabulary Management Group:

**I-ADOPT** (InteroperAble Descriptions of Observable Property Terminology) – RDA Working Group

- bringing together interested and experienced members to harmonise descriptions of observable properties across environmental domains
- targets improvement of the ‘I’ of FAIR on property description (P01 more powerful)

## WP8.2: Analysing Linked Data principle for common directories (EDMED, EDMERP, EDMO, CSR, EDIOS and CDI)

- Fine tuning of existing Linked Data implementations
- CDI and CSR SPARQL Endpoints



The screenshot shows a Google Dataset Search result for the query 'edmed'. The search results list several datasets, with the top result being the 'Liverpool Bay/Irish Sea Coastal Observatory Data Set'. This result is highlighted with a blue border and includes two buttons: 'Explore at European Directory of Marine...' and 'Explore at European Directory of Marine...'. Below the title, it lists the data set providers: Proudman Oceanographic Laboratory, Met Office, Plymouth Marine Laboratory, University of Liverpool, Port Erin Marine Laboratory, Department of Agriculture and Rural Development for Northern Ireland, Environment Agency Head Office, Centre for Environment, Fisheries and Aquaculture Science, Lowestoft Laboratory, University of Wales, School of Ocean Sciences, National Oceanography Centre, Liverpool, National Oceanography Centre, Southampton, and Bangor University School of Ocean Sciences. It also includes information on the license (SeaDataNet licence), the time period covered (Jan 1, 2001 - Sep 20, 2011), and the area covered (Irish Sea). A map shows the location of the data set in the Irish Sea, with a red box highlighting the Liverpool Bay area. The map includes labels for various cities and locations such as Blackpool, Preston, Manchester, Liverpool, Warrington, Sheffield, and Derby.

## **WP8.3: Review of data formats, also considering INSPIRE data models (O&M) NERC-BODC, CNR, SYKE, CSIRO**

- Review of data management protocols for contaminants in biota data
  - Lack of clarity and interoperability
  - Working Group of specialists set up to review and make recommendations