Further development of Common Vocabularies WP8.1

SeaDataCloud – 1st Annual Meeting
Athens, Greece
17-20th October 2017

Alexandra Kokkinaki, Gwen Moncoiffe and the BODC Vocabulary Management Group
BRITISH OCEANOGRAPHIC DATA CENTRE

WP8.1 Progress

- **WP8.1.3 Operationalise the Vocabulary Builder**
- **W8.1.1 Improve the transparency of the vocabulary governance model**
- **WP8.1.2 Develop new vocabularies**
- **WP8.1.4 Undertake a review of P02 and P03 vocabularies**
- **WP8.1.5 Make versioning and history of concepts visible through NVS**
- **WP8.1.6 Document the provenance of mappings**
- **WP8.1.7 Progressing the Platform Register**

Task WP8.1.3: Operationalise the vocabulary builder (NERC-BODC)

Background

- P01 concept labels are created from a concatenation of concept labels from other vocabularies following an underlying semantic model.

- Activity of americium-241 {241Am CAS 14596-10-2 } per unit dry weight of sediment

Measurement Property

Chemical Substance

Matrix

Measurement Matrix Relationship

P01 concepts available as semantic models

- Chemical entity parameter codes
- Biological entity parameter codes
- Physical entity and other parameter codes

Vocab Builder

- Search vocabularies based on constituent elements
- If the searched combination does not exist, submit a new combination for creation

Measurement Property S06

Chemical Substance S27

Physical Entity S29

Biological entity S25

Measurement Matrix Relationship S02

Matrix S26

Task WP8.1.1: Improve the transparency of the vocabulary governance model (NERC-BODC and MI)

- Add contact details to the governance authority
- Track governance discussions

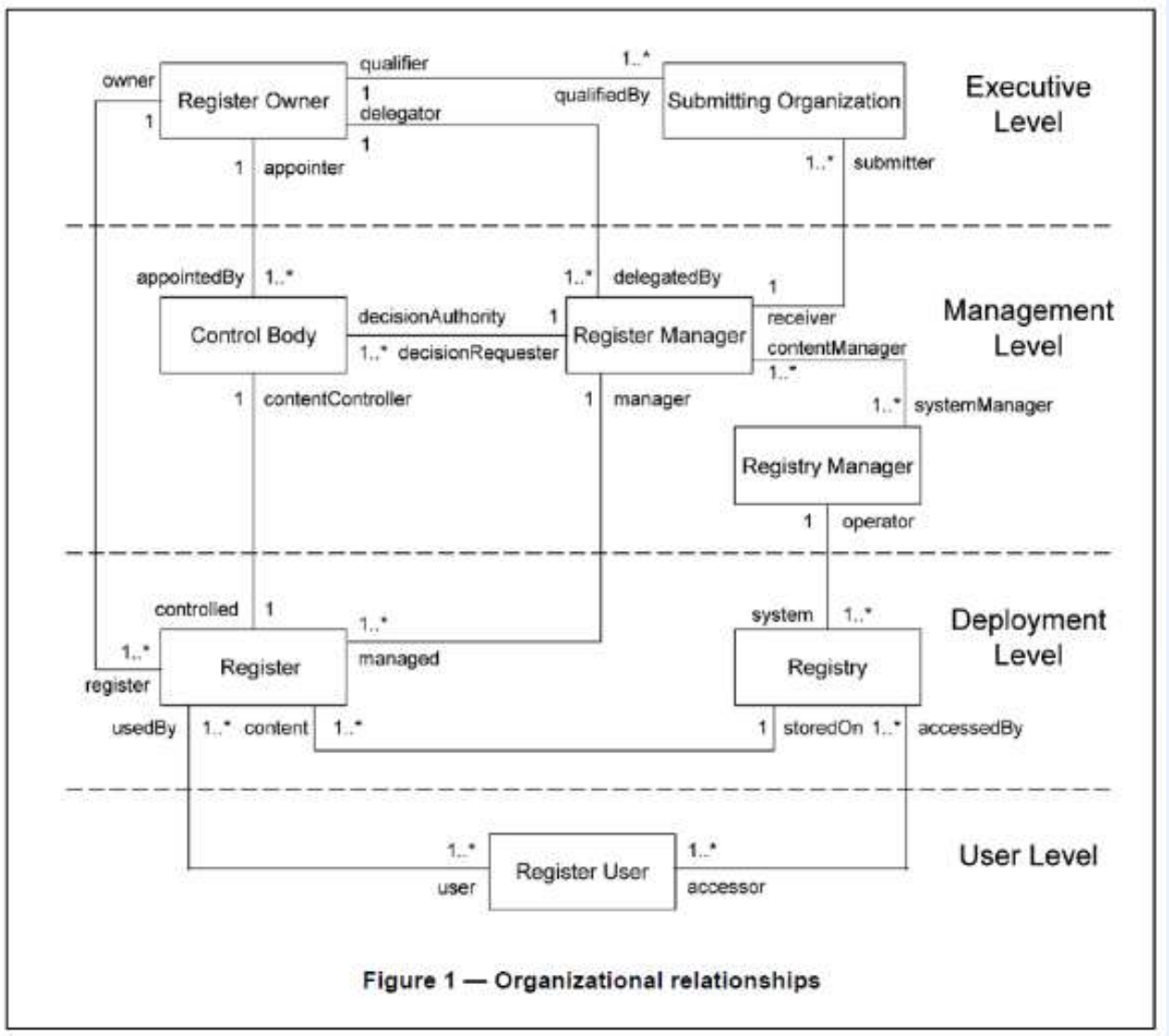


Figure 1 — Organizational relationships

WP8.1.1 Progress

- Suggestion to move SeaVox mailing list to github (ODIPII)
  - Associate discussion with a URI
- **IG Vocabulary and Semantic Services started again**
    - **Last telecon was 20/09/2017**
  - Follow models from ISO 19135 and ISO/IEC 11179-3
  - Adopt best practices as determined by RDA Vocabularies Services Interest Group
- Document the model based on ADMS and the RDA VSIG suggestion
- Use http://purl.org/linked-data/registry ontology
- Circulate to partners and VSSIG group

WP8.1.2 Developing new vocabularies progress I

- Sensor Web Enablement (SWE) Marine Profile Group
  - 7 New collections have been created and population has started
  - Governance group is active
  - BODC Vocab contact is Louise Darroch and Alexandra Kokkinaki
  - Governance via the Vocab Editor is being set up

WP8.1.2 Developing new vocabularies progress II

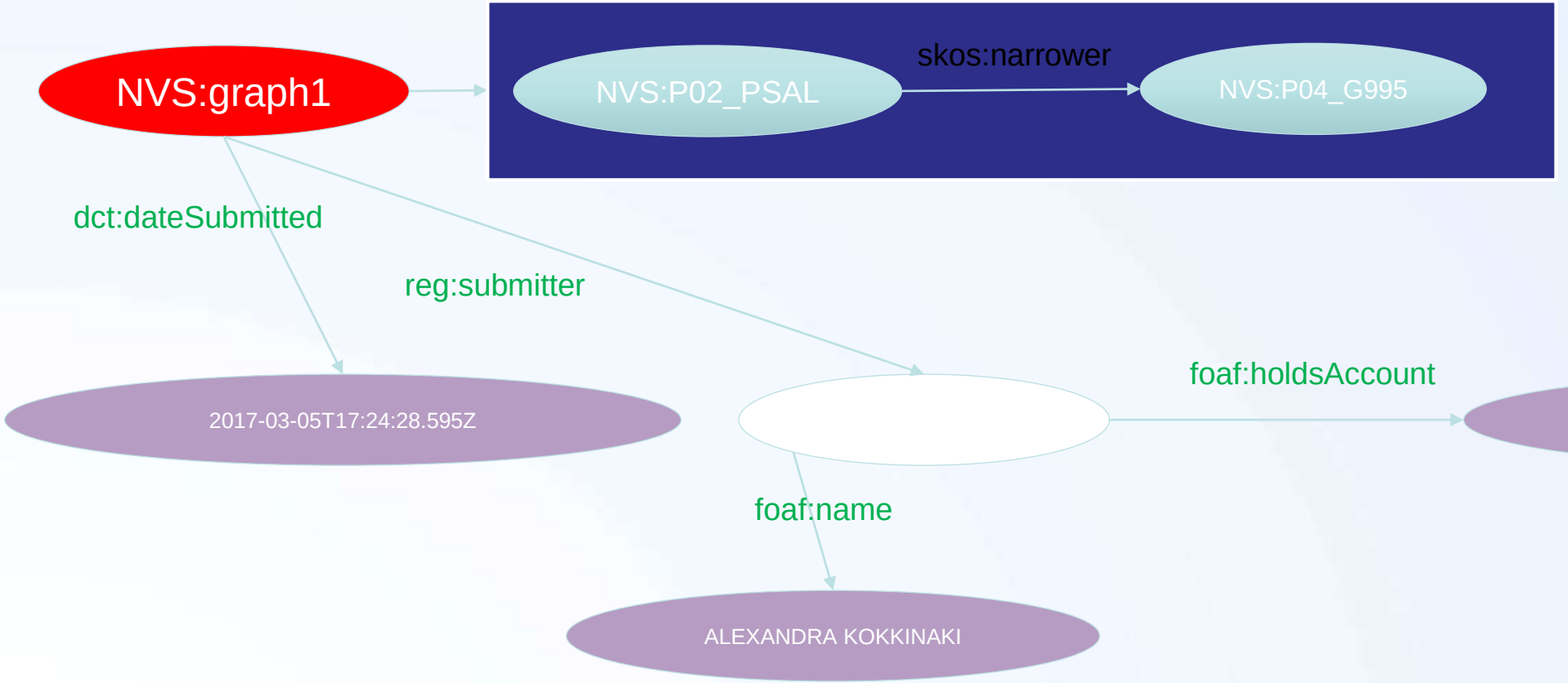
- Flow Cytometry Vocabularies WG (SDC)
  - Domain expert consultation
  - Discussions between domain experts, data managers and vocab experts on-going
  - BODC Vocab contact is Gwen Moncoiffé
- Marine Micro-litter Vocabularies (EMODnet Chemistry)
  - Discussions between domain experts, data managers and vocab experts have taken place
  - Set of collections and concepts ready for publication
  - BODC Vocab contact is Gwen Moncoiffé

Task WP8.1.5: Versioning of concepts- URI design

- http://vocab.nerc.ac.uk/collection/P07/current/CF12N86/ Brings the current concept version
- http://vocab.nerc.ac.uk/collection/P07/current/CF12N86/1/ Brings concept version 1
- http://vocab.nerc.ac.uk/collection/P07/current/CF12N86/2/ Brings concept version 2
- http://vocab.nerc.ac.uk/collection/P07/current/CF12N86/3/ Brings concept version 3

WP8.1.6: Provenance of mappings - Progress

@prefix reg: http://purl.org/linked-data/registry#
@prefix foaf: <http://xmlns.com/foaf/0.1/>
@prefix skos: <http://xmlns.com/foaf/0.1/>



Task WP8.1.7: Progressing the Platform Register (ICES, NERC-BODC, JCOMMOPS, ETT and IFREMER)

- ICES reported that the station infrastructure is ready to be used by EMODNet users
- No governance the stations
- BODC volunteered to do QC on the submitted stations

Questions?