About the VSSIG

RDA's Vocabulary and Semantic Services Interest Group

Last updated (Dec. 2018) by *John Graybeal*, Stanford University

Presented at RDA France annual meeting (JNSO 2018, Paris, France) by *Clement Jonquet* (University of Montpellier)

RDA
RESEARCH DATA ALLIANCE

MEMBERSHIP   Members: 7607

Becoming a member of RDA is simple and open to both individuals and organizations

Register now

WORKING GROUPS   Groups: 95

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Vocabulary Services Interest Group

IG

ℹ Group details

Status: Recognised & Endorsed
Chair (s): Adam Shepherd, Simon Cox, Yann Le Franc, John Graybeal
Secretariat Liaison: enquiries@rd-alliance.org
TAB Liaison: Rainer Stotzka
Case Statement: Download

✔ IG Established

The VSSIG is using a **Slack Group: https://vocabulary-services.slack.com/** to continue the development of the workplan. To get an invitation to the channel, visit http://bit.ly/rda-vssig-slack-invite, or contact one of the group chairs. The VSSIG has a number of task groups formed around particular topics. If you want to propose or sign up for the task groups, there is a groups sign-up page with instructions.

Vocabulary Services Interest Group

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Public - accessible to all site users

Join Group

Mission and Background

Mission: Advance harmonization and best practices in the development, publication, discovery, and use of controlled vocabularies and ontologies.

We want to provide an agile forum for the semantic community to collaborate to solve mutual issues.

Background:

- Started as the RDA *Vocabulary Services* Interest Group, and in 2017 transitioned to the *Vocabulary and Semantic Services* Interest Group.
- Serves as a community center to pursue common interests, typically as Task Groups of no preset duration.

Membership and Task Groups

- **176 members** (115 on Slack)
- **8 task groups** (requires >= 3 members & 1 chair)

Task Group Name	# Members	# Leads
Requesting changes (to ontologies)	20	1
Maintaining high-quality and trusted vocabularies	16	1
Strategies for aggregating vocabularies	20	1
Strategies for selecting from vocabularies	22	2
Ontology metadata	22	4
Harmonizing measurement parameters	16	2
Vocabulary API white paper	12	2
Semantic Assets for material science	6	1

Last updated 2018.12.01 by John Graybeal from Signup Sheet

Latest News

At 11th Plenary in Berlin:

- ~50 attended VSSIG session
- Progress reported out by several task groups
- "low-maintenance & bring what you can" mode
    - Task Groups may be relatively inactive
    - No plans to engage for the 12th Plenary (no one from IG co-chairs will be there)
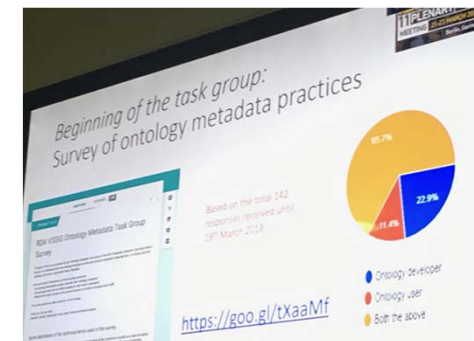
A return of experience with the Ontology Metadata task group

Biswanath Dutta, Clement Jonquet, Barbara Magagna, Anne Toulet

(Work in progress)

One goal

Some work or Methodology

Experimentation & Contextualization

Generalization & Standardisation

AgroPortal LIRMM

RDA RESEARCH DATA ALLIANCE
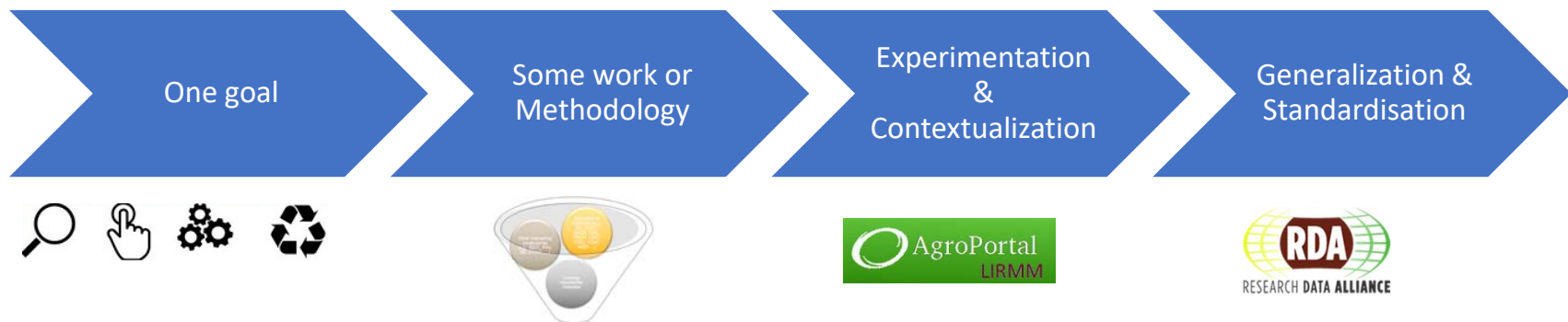
Ontology repositories help to make ontologies FAIR

Findable   **A**ccessible   **I**nteroperable   **R**e-usable

A new metadata model to better support description of ontologies and their relations

- Building a list of properties to describe ontologies

- Pickup properties and relations from 23 existing vocabularies

- Existing properties in ontology repositories (especially BioPortal)

Other Interesting vocabularies (e.g., IDOT, PAV, SD, DOAP, …)

Standards & Relevant (e.g., DC, DCAT, SKOS, OWL, PROV, OMV, VOID, VOAF, MOD …)

Ontology repositories metadata

346 relevant properties that could be used to described ontologies

127 used to build a new metadata model inside AgroPortal
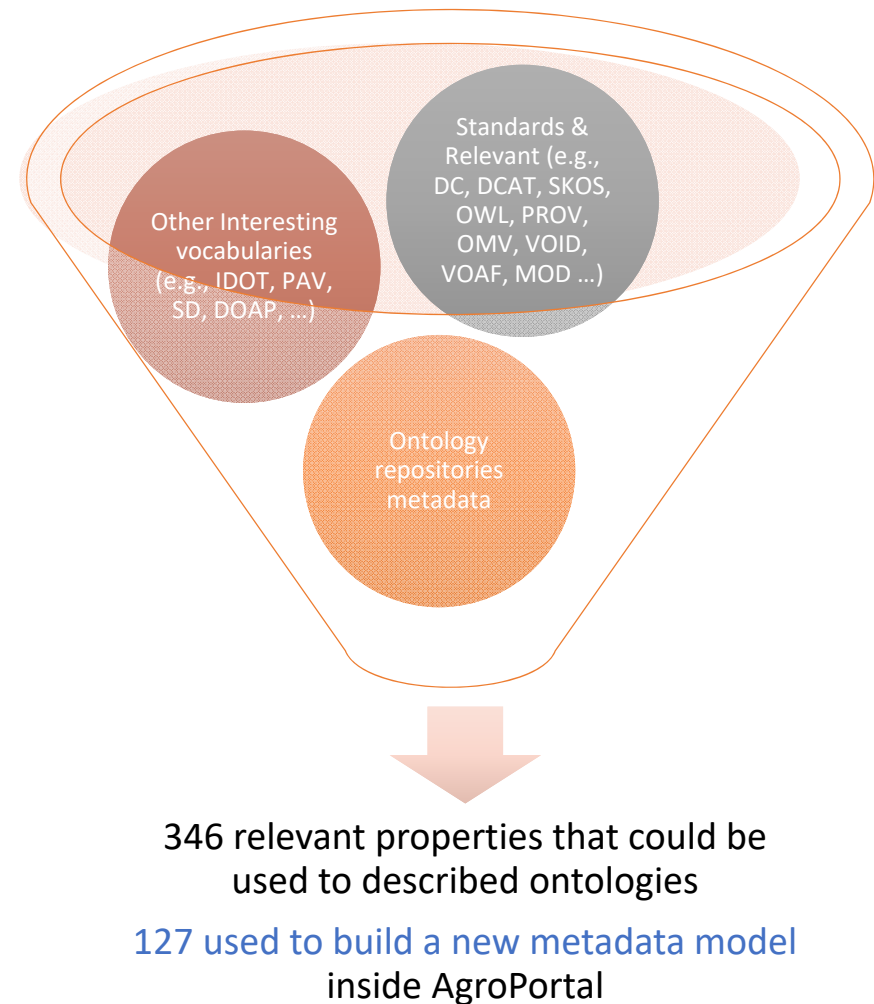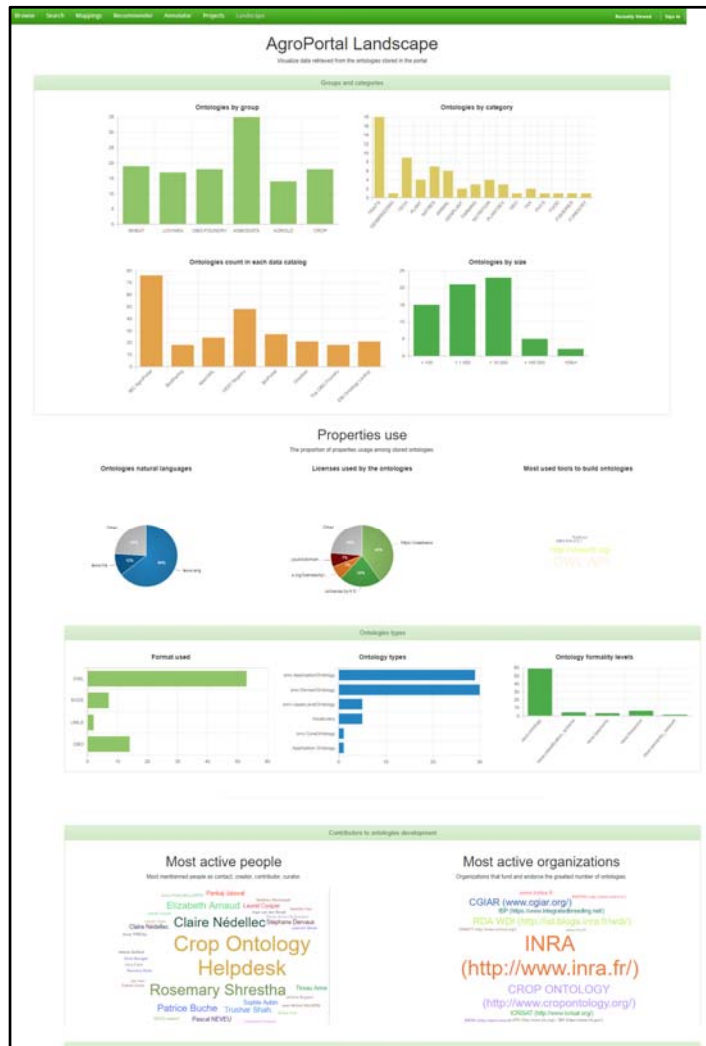
AgroPortal Landscape page

▶ Display "per property"
- Global presentation of the properties
- Synthesis diagrams & listing

- Metadata automatically extracted from the files and authored by us and the ontology developers

- Allows to explore the agronomical ontology landscape by automatically aggregating the metadata fields of each ontologies in explicit visualizations (charts, term cloud and graphs).

Jonquet, C., Toulet, A., Dutta, B., Emonet, V.: **Harnessing the power of unified metadata in an ontology repository: the case of AgroPortal**. *Data Semantics, 2018*.

Beginning of the task group:
Survey of ontology metadata practices

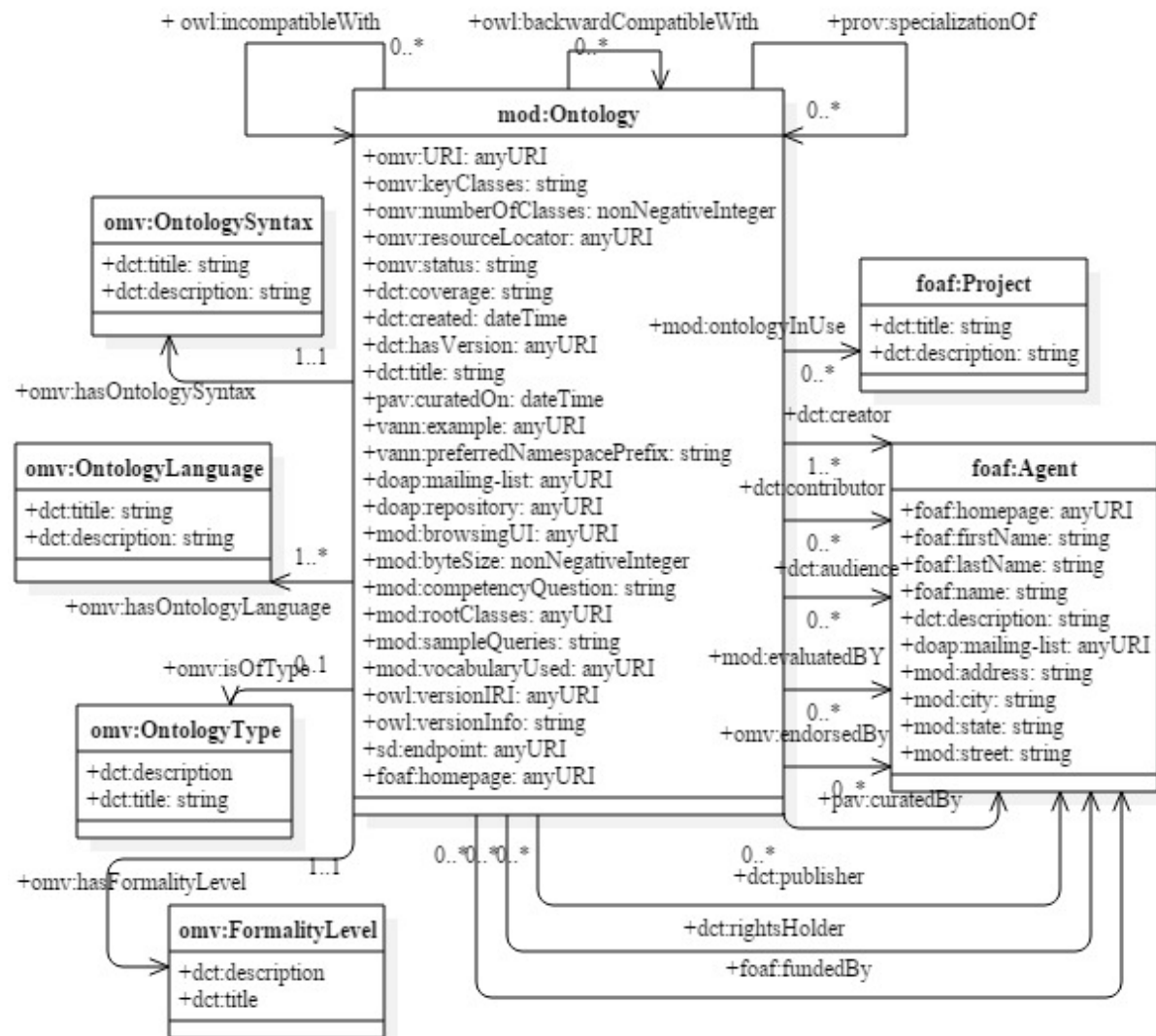Based on the total 142 responses received until 19th March 2018
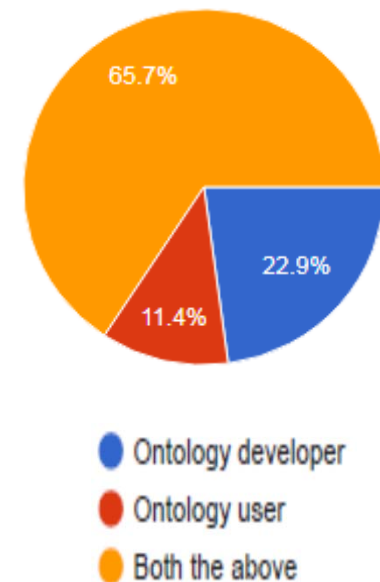
Generalizing this with MOD discussed in the group

- Metadata vocabulary for Ontology Description and publication (v.1.2)
- 88 properties, only 13 new ones
- https://github.com/sifrproject/MOD-Ontology

Dutta, B., … Jonquet, C.: **New Generation Metadata vocabulary for Ontolog yDescription and Publication**. *11th Metadata and Semantics Research Conference, MTSR'17.* , Tallinn, Estonia (2017).

Merci

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