RDA - Plenary 15

Working Session of the InteroperAble Descriptions of Observable Property Terminology WG (I-ADOPT WG)

19th March 2020 20:00-21:30 UTC

Agenda:

- B. Magagna - Introduction to I-ADOPT (5 min)
- S. Guru - Why FAIR observable-property vocabularies? (15 min)
- A. Devaraju - Task 1 - user stories and derived use cases (10 min)
- Structured discussion on user stories/use cases (10 min)
- G. Moncoiffe - Task 2 - annotation practices - observable property models and terminologies in use (10 min)
- Structured discussion on the catalogue of terminologies (10 min)
- B. Magagna - Task 3 - requirements - first draft (10 min)
- Discussion on requirements (20 min)

Link to the presentation:
https://docs.google.com/presentation/d/1u5iKwnTJdSpExJdrLR-xE2Cv3x3mGY-yM6kNc1xEav4/edit?usp=sharing

Participants:
Francoise Genova
Barbara Magagna
Siddeswara Guru
Sirko Schindler
Anusuriya Devaraju
Alison Pamment
Carina Kemp
Jane Wyngaard
Kristin Vanderbilt
Margaret O'Brien
Gwen Moncoiffe
Stephen Richard
Mireille Louys
Yannick Hoarau

Alexandra Kokkinaki
Petra ten Hoopen
William Manley
Andres Ferreyra
Adam Leadbetter
Tom Gulbransen
Ruth Duerr
Edmund Chuc
Jane Wyngaard
Alison Gaylord
Charles Vardeman
Giovanni L'Abate
John Graybeal
Lars Moeller
Maria Stoica
Mark Schildhauer
Pier Luigi Buttigieg
Simon Cox
Christian Pichot
Lesley Wyborn
Mark Parsons

Presentation 1. S. Guru

Discussion -

TERN is data aggregator, pulling in eco-observation data from state surveys and research projects and installations

Guru points out that observed-properties are closely tied to observation-protocol - i.e. an observed property with the same name measured by different methods may not be comparable.

Modellers tend not to want to use aggregated data because they don't trust details of other people's observations …

Very interested in aligning with framework developed by I-ADOPT and using global standards

Presentation 2. Anu Devaraju

Goal of I-ADOPT - interoperability framework for observable properties

Standard analysis process

1. User Stories
2. Use-cases
3. Groupings of use-cases
4. Requirements

Identify main keywords in each story
Standardize domain names and user roles -original stories are quite unstructured
Use cases are derived from user stories, then grouped together
4 use case groups so far
Probably don't have all possible use cases so far - people are invited to submit more user stories

Use cases have been used to label user stories - next step is to check with people who submitted the stories to see if they agree with our labels.

Q: Is this work going to have as a deliverable recommendations for concept-mapping infrastructure that can enable capturing the relationships among codes for observed properties in different systems?

Barbara: There is a deliverable to map the different approaches to each other, but this is later in the year.

Q: How can people discuss the existing user stories?

Barbara: They are GitHub issues so discussion can be via GitHub

Q: If someone wants to contribute new stories will they be annotated with the labels automatically?

Barbara: To contribute a story you need a GitHub account. Only the core I-ADOPT group can add labels. User stories should follow the existing template.

There is also a use cases GitHub repository. There are links from the slides to all our GitHub materials.

There are also documents from previous meetings on Google Drive.

Presentation 3. G. Moncoiffe - Task 2 - annotation practices - observable property models and terminologies in use

Survey was for terminology providers and users

Deployed 23rd Jan and analysed results from first 5 weeks. 33 valid responses received. 25 terminologies altogether.

Majority of responses were from research infrastructures and data centres.

Most terminology providers are English speaking or European but there are large geographic gaps in providers, e.g. S America.

No people responded from the remote sensing domain - we should encourage more participation in this area

Biodiversity, aquatic ecosystems and oceanography domains well represented

Observation types supported by current terminologies: physics, chemistry, biology/ecology. Not many support taxonomies.

Q: Francoise Genova - The domains are broadly environment. Do you think that the results will be generally applicable to other disciplinary fields? and physical sciences, and so on

- Simon Cox : Yes - we appear to be completely missing health and biomedical..chemistry, materials science
- Barbara: We are Focusing at the Moment on Environment domain but after agreeing in this community we want to continue to other domains

Discussion:

Gwen - what should our next steps be in analysing the terminologies?

Barabara: ENVO not currently represented among the survey results

Gwen - we still want more contributions

Pier Luigi - can we publish analysis on GitHub?

From Mark Schildhauer to Everyone: 09:03 PM

…also was SWEET there?

From Pier Luigi Buttigieg to Everyone: 09:03 PM

ENVO isn't there because I couldn't fill out the form in time (despite Barbara's best efforts). Now that the UN Ocean Decade data strategy is done I'll get on it

From Stephen Richard to Everyone: 09:04 PM

is there a form for submitting vocabularies?

Barbara: yes there is a link to the survey at the end of the slides (see also below)

From Sirko to Everyone: 09:06 PM

https://survey.lter-europe.net/index.php/388853?lang=en

Barbara: Action: Create a github issue to discuss core metadata elements of terminologies

From Petra ten Hoopen to Everyone: 09:06 PM

It could be useful to have as a metadata field 'users of terminology', at least some examples.

Presentation 4: B. Magagna - Task 3 - requirements

Requirements - what must a terminology provide to support a particular use case

Necessary requirements - if missing from a terminology the use case is not satisfied

Optional requirements - make supporting the use case easier

We have started with user stories and annotation for nitrogen quantities and we will look at other quantities in the future.

We can test the framework we develop on datasets that are annotated with the terminologies we have collected

From Francoise Genova to Everyone: 10:13 PM

It would be also very useful to make the links easily findable from the WG page

From John Graybeal to Everyone: 09:15 PM

yes to all. we can include a link to the longer survey from the lightweight survey, or can call back people from whom we'd like more details.

From Gwenaelle Moncoiffe to Everyone: 09:15 PM

ok Francoise and John we will do that

From Francoise Genova to Everyone: 09:17 PM

Thanks, it will be very helpful for the people who are interested to check the activities

From Gwenaelle Moncoiffe to Everyone: 09:18 PM

I think that for the lightweight survey it would be good to know what key metadata info about the terminology we want info for specially if we've missed any in the existing survey - also do we want the lightweight one to focus on terminologies only?

Discussion on Requirements

Barbara - this is work in progress!

John Graybeal : the survey is a very rich source of information

How will the requirements be constrained or expanded to fulfil the original goals of I-ADOPT? Are there other ways people can contribute use cases as issues?

Gwen: We need to focus on the key requirements needed to address each use case and be systematic, e.g. focus on 3 top requirements per use case.

Barbara: we need to concentrate on the methodology to collect the information in a systematic way

Pier Luigi: We can look at how social scientists encode their survey results

CODATA: DRUM Digital Representation of Units of Measure - simpler problem than analysing observable properties. Simon Cox happy to provide a bridge between I-ADOPT and DRUM. Observable properties are hard to separate from details of procedures.

terminologies only?

From Andres Ferreyra to Everyone: 09:22 PM

I have to run to my next meeting; thank you, this was very informative, and I have joined the group.

From John Graybeal to Everyone: 09:23 PM

I'm sorry, PG&E is about to turn off our power out front, so I'll be disappearing, but thanks for organizing these presentations

From Francoise Genova to Everyone: 09:26 PM

I also joined the WG

Thanks!

Barbara: We need a good evaluation method for the use case requirements.

Sirko has previously worked on evaluating ontologies for units of measurement. Link to paper:

From Barbara Magagna to Everyone: 09:28 PM

https://www.w3.org/community/owled/files/2016/11/OWLED-ORE-2016_paper_5.pdf