Semantics for data interoperability: where are we?

Report from the RDA Agrisemantics WG

S. Aubin, C. Caracciolo - IGAD pre-meeting - Barcelona, 3d April 2017

SEMANTICS - THE WAY TO RECONCILE POINTS OF VIEW AND DATA
THE EXAMPLE OF "RICE"
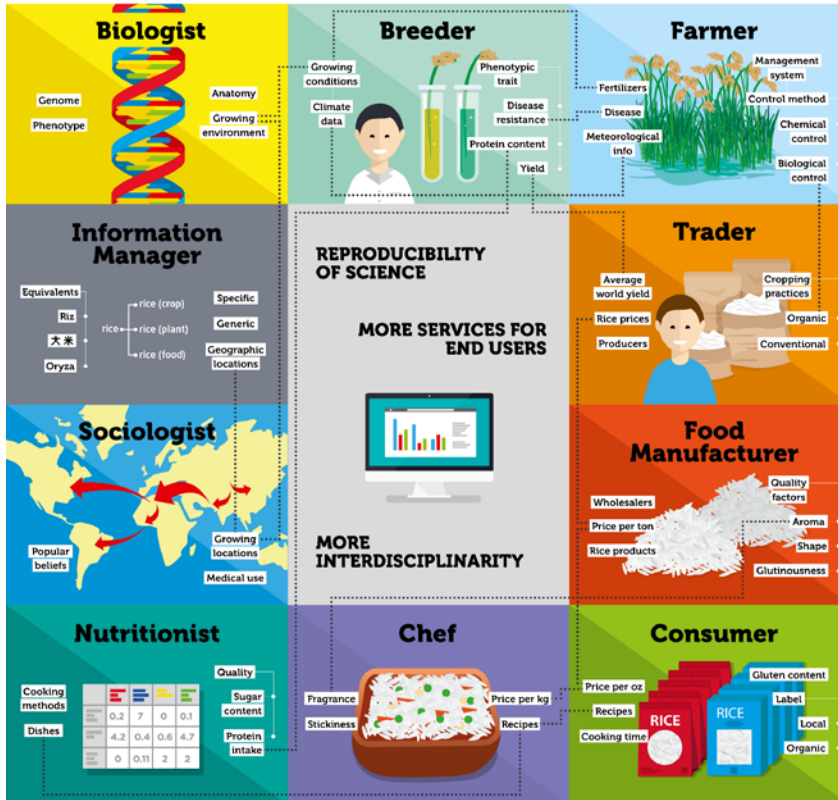
Deliverables and timeline

1. A report on **Semantics Landscape for Agricultural Data**
2. A set of **use cases** and requirements
3. A document on **Recommendations** for the future of semantics for agricultural data
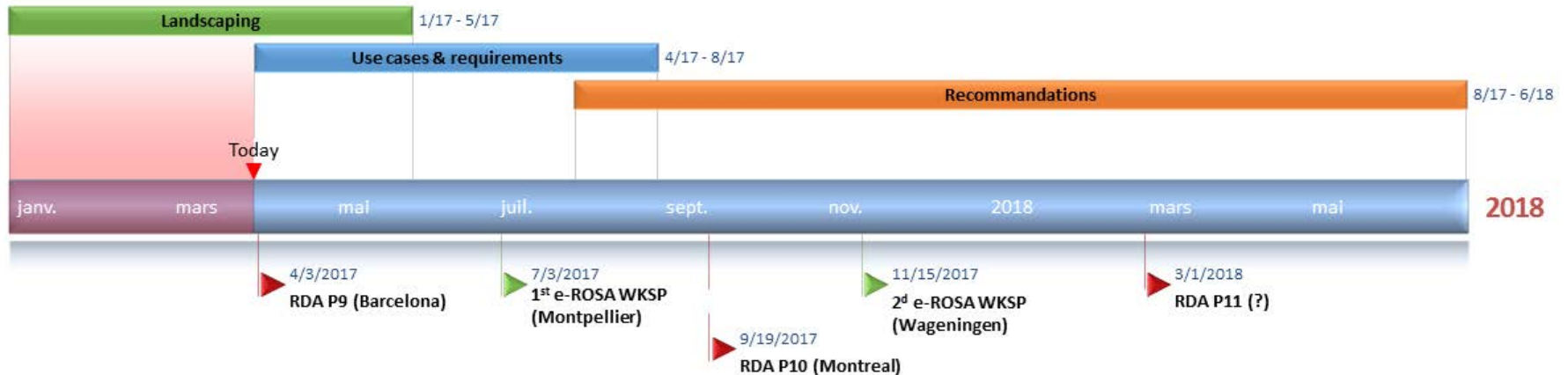
Landscaping report: what are we doing?

Give a high level overview of the use of semantics in the **production, exchange and use of agricultural data**.

- Clarify key concepts
- Illustrate with concrete example applications

Most cited terms in the 2006-2016 corpus (bibliometric study preliminary results)
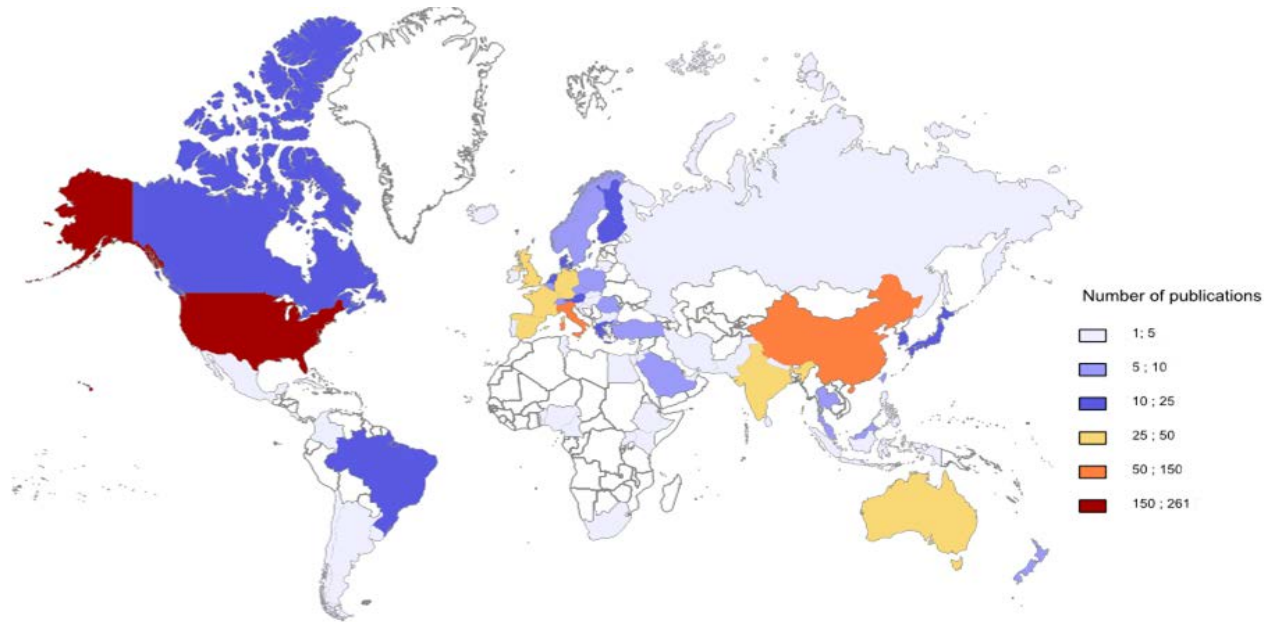
Landscaping report: who are we?

- Identify key stakeholders to contact in the next phase: use cases and requirements
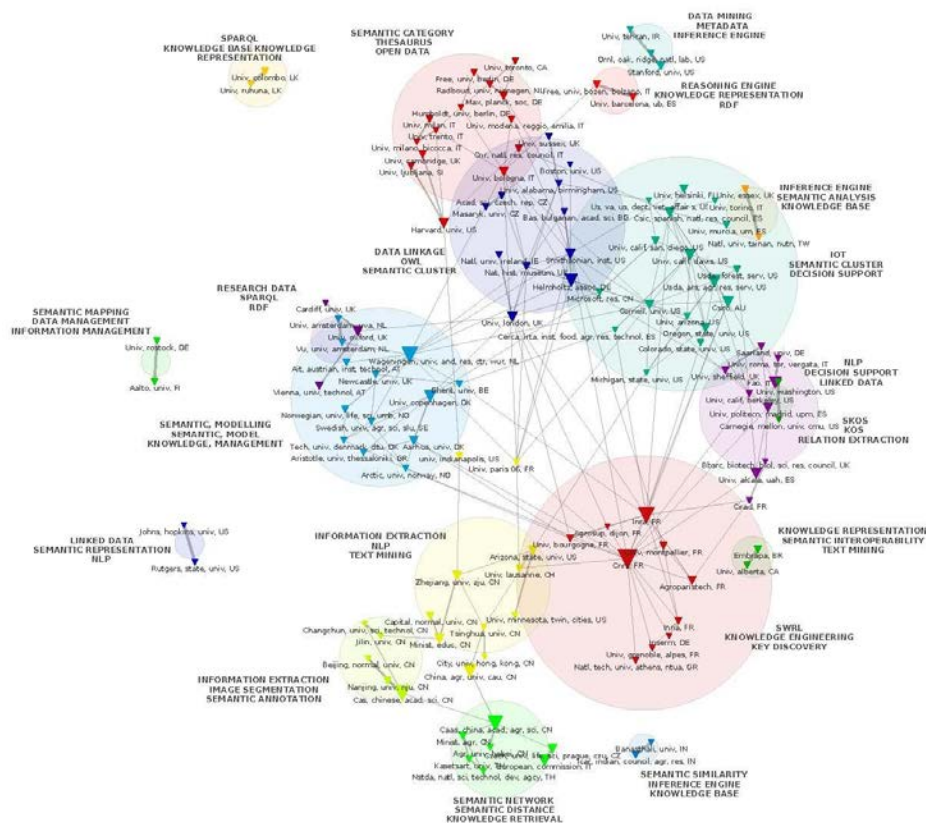

- Contribute to building the community that will support the elaboration of and benefit from a future e-infrastructure Roadmap in the field of agriculture (e-ROSA H2020 project)

We are an (almost) global community

Countries publishing on semantics for agriculture 2006-2016 (bibliometric study preliminary results)

Who works with whom, on what?

Collaboration network of the 150 most publishing institutions (preliminary results)

Landscaping… ToC

1. Introduction

2. Use of semantics for agricultural data

   2.1 ... for information and data discovery

   2.2 … for making data more explicit

   2.3 … for data linking

3. Use of semantics by communities

4. Existing semantic structures in the agricultural domain (VEST map of standards: http://vest.agrisemantics.org/)

5. Tools and services to manage semantic structures

6. Conclusions

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What do we want?

- Example applications that use semantics for information and data production, management, and reuse

- Input, feedback and advices on the report

What do we plan?

- Work session tomorrow to discuss and improve the report (4th floor, Room 4F1 - 8:45-16:00)

- Final version by the end of April.

- Next step: Use cases and requirements

Join Agrisemantics!

https://rd-alliance.org/groups/agrisemantics-wg.html

Tuesday 4th
Agrisemantics in
IGAD
4th floor, Room
4F1
8:45-16:00

Friday 7th
Agrisemantics in
RDA
Room MR5
9:00-10:30