

A large, stylized dandelion seed head is the central visual element. The seed head is positioned over a blue globe that shows white clouds. The globe is partially obscured by the dandelion's structure. Several dandelion seeds are shown floating away from the head, scattered across the upper right portion of the image. The text "R-Link: Research Content Linked Data Cloud" is overlaid on the globe and seed head. The text "SP" is visible near the bottom of the globe.

R-Link: Research Content Linked Data Cloud

CRIS2014

Rome, 12-15 May 2014

Nicola Ghirardi, Gabriella Scipione

CINECA



**R-Link
starts from...**



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idea : what can be the result if we linke research content data present in each CRIS with the other CRIS and with other external (Wikipedia, in general open data) or internal data (internal to the universities world, like libraries, elearning systems....)

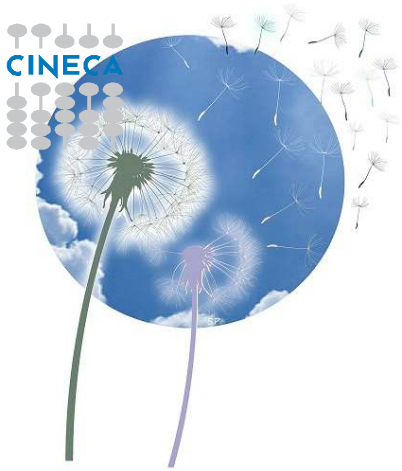
Gabriella Scipione, 5/9/2014



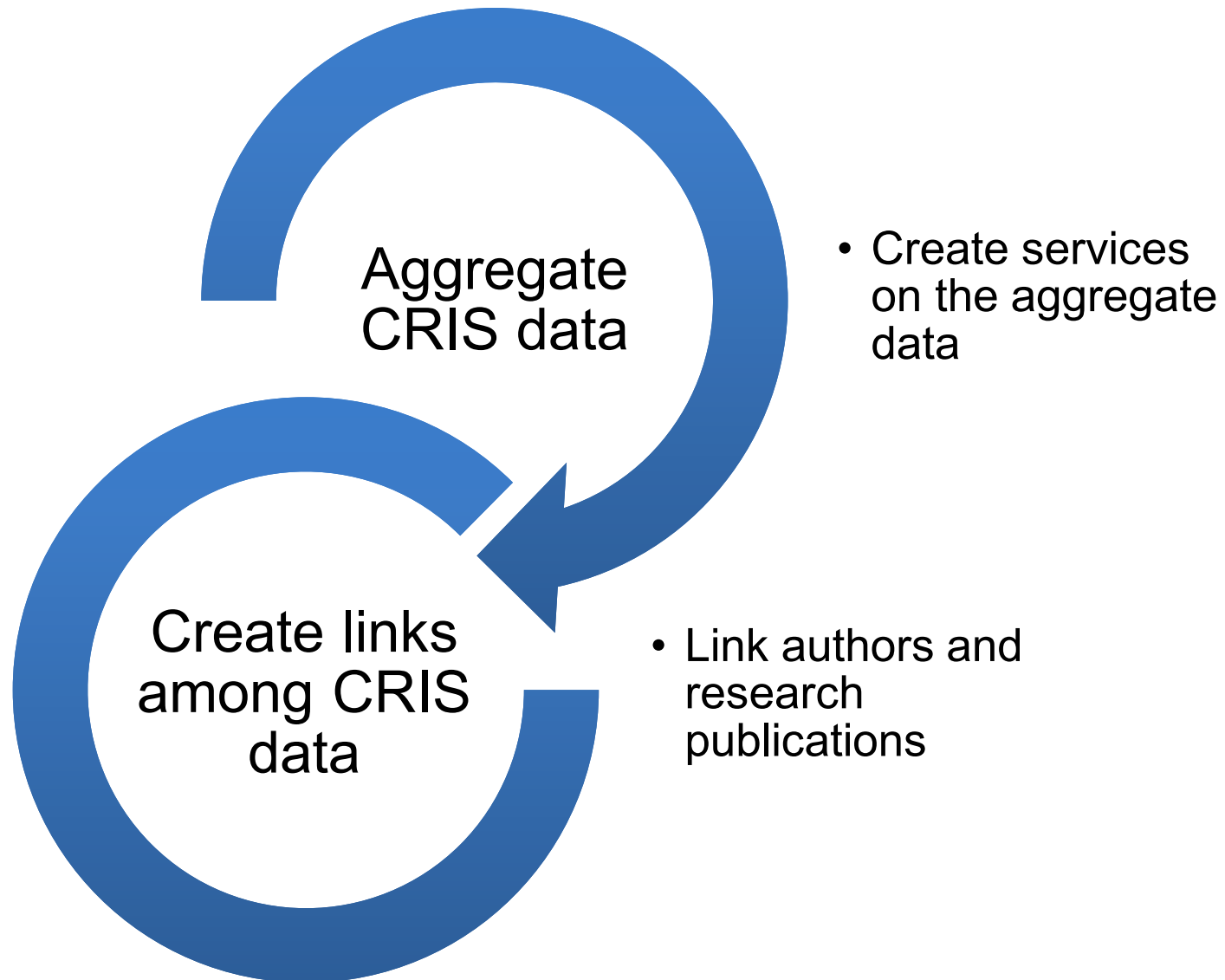
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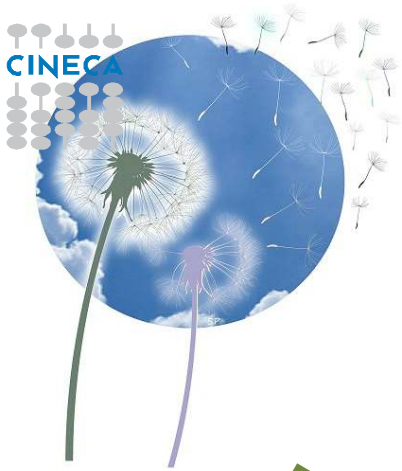
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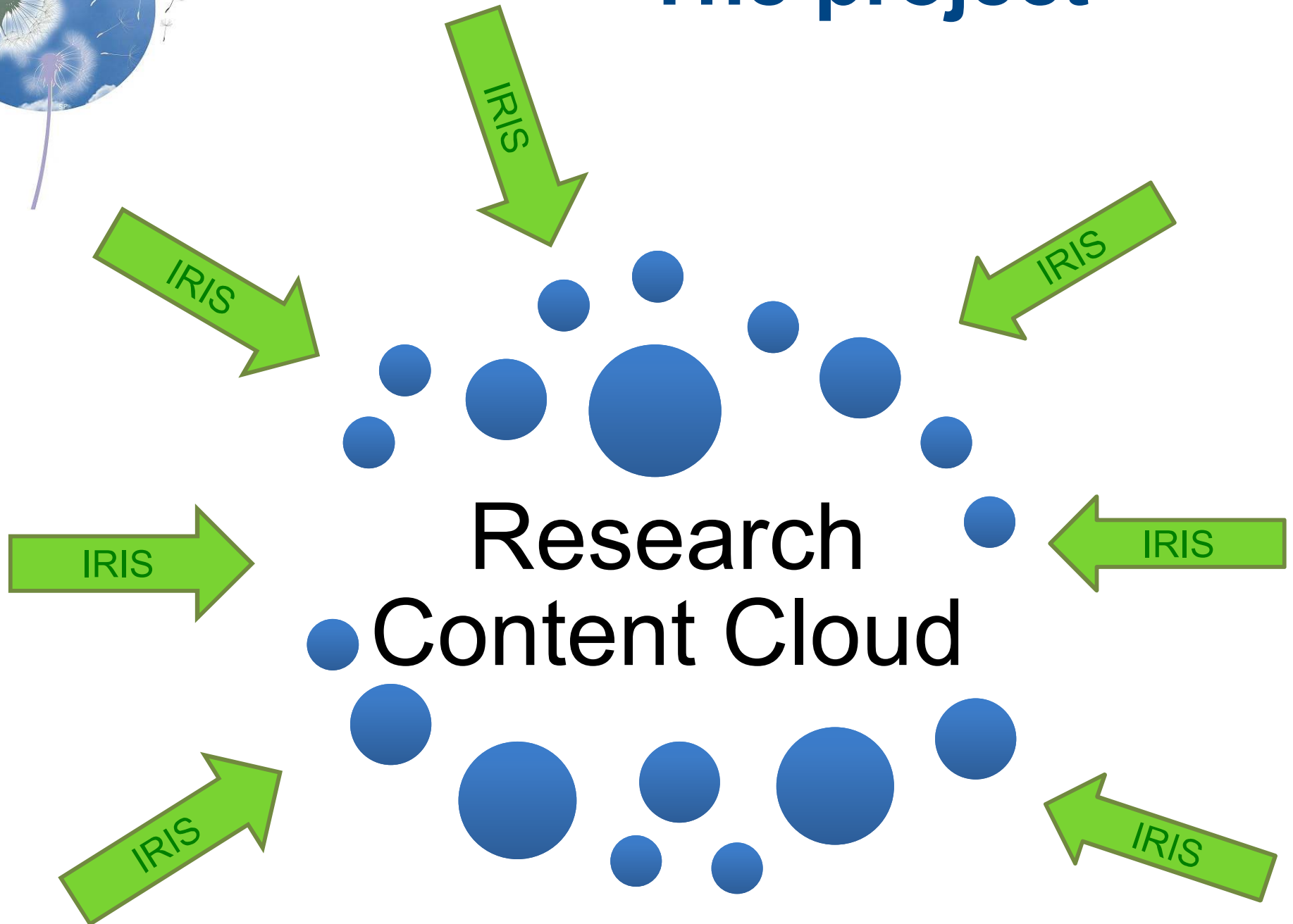


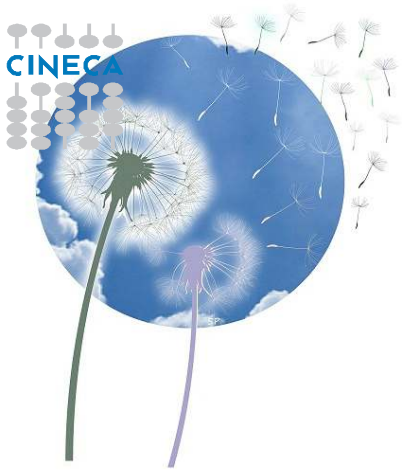
.....Needs



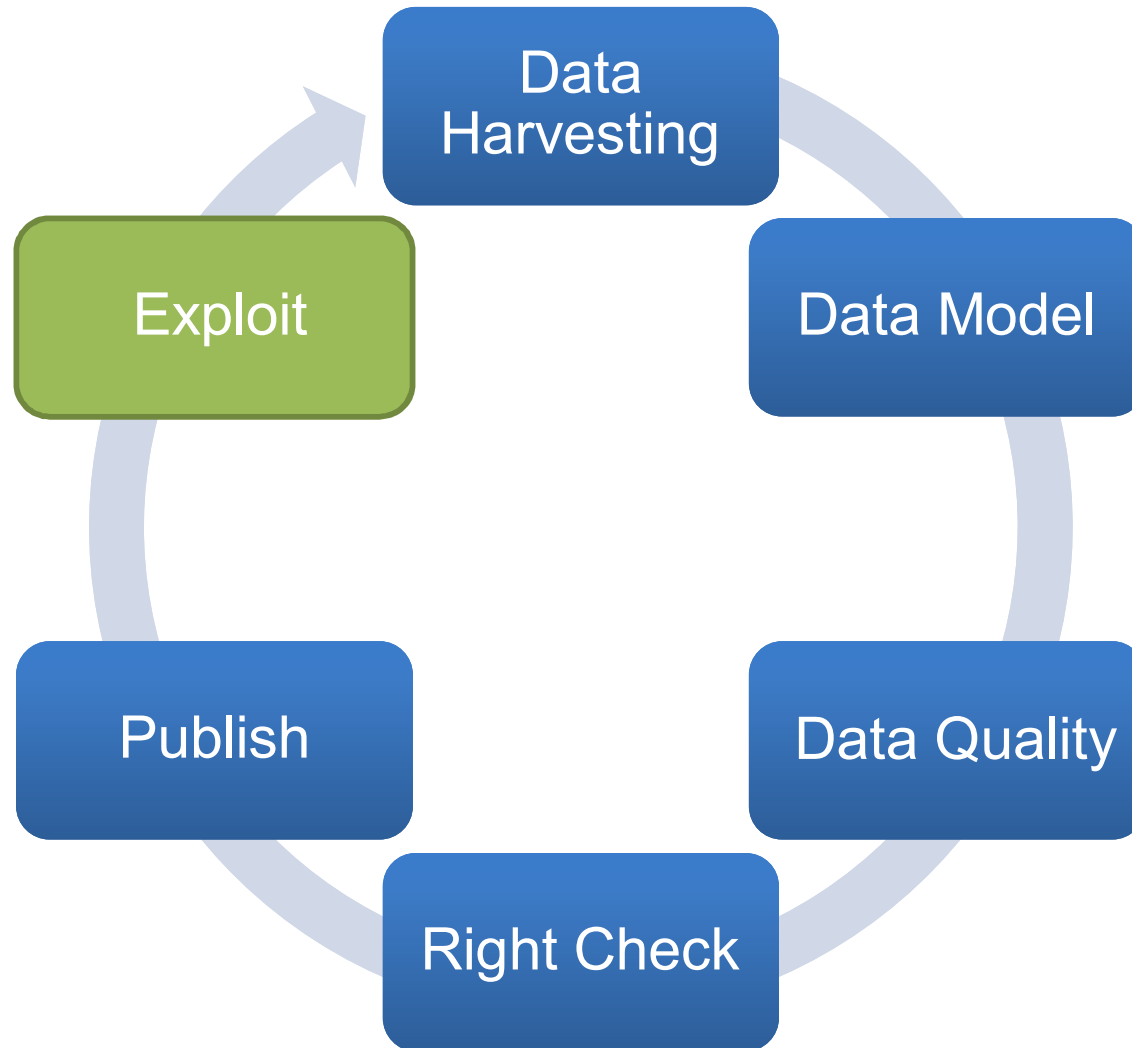


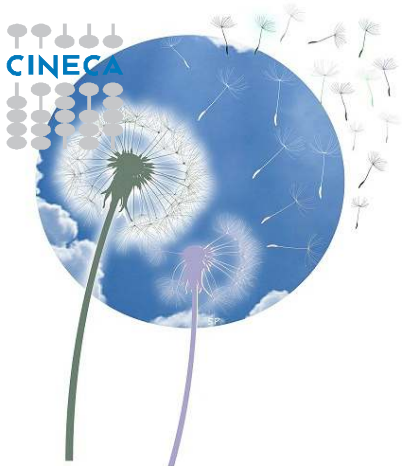
The project





R-LINK lifecycle





Services



Rights Check



Massive Rights
Validation



Publishers Policy
Repository (*next
steps)

Data Quality



Automatic Semantic
Annotation



Manual Topic
validation

Data publishing

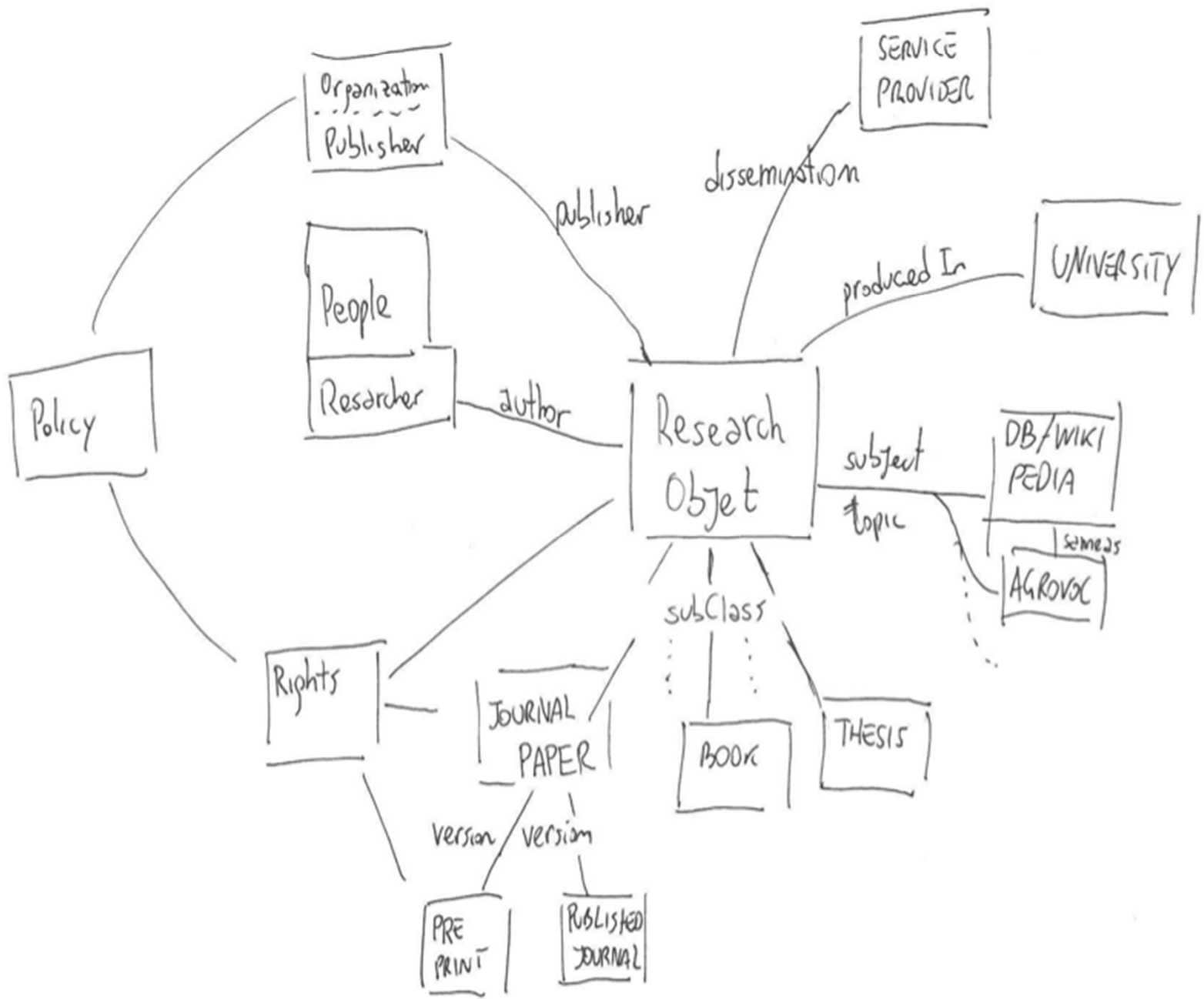


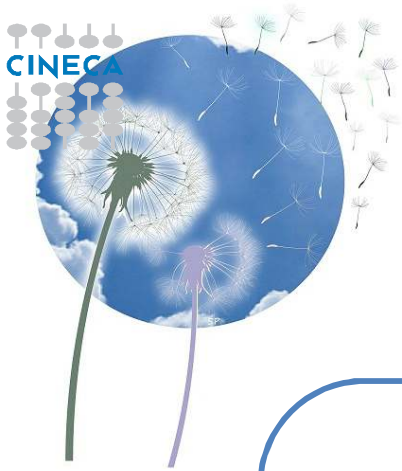
Linked Open Data
Publication



LODLIVE Data
Navigation

R-LINK
DATA
MODEL





Technologies

INTEGRATION

LINKED OPEN DATA



RESTful API
GET PUT POST DELETE



OAI-PMH



BUSINESS LOGIC



APACHE
JENA



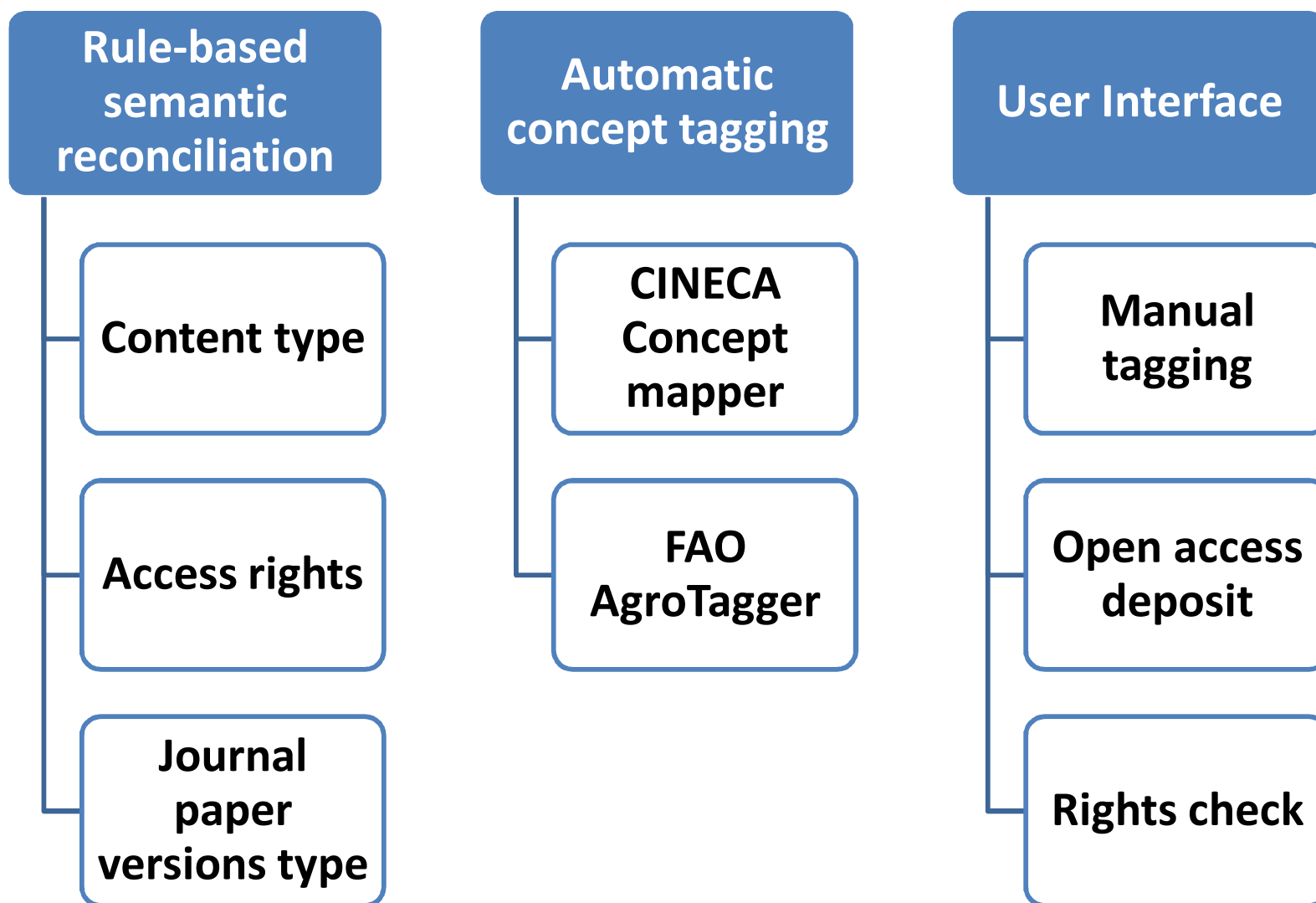
PRESENTATION



PERSISTENCE

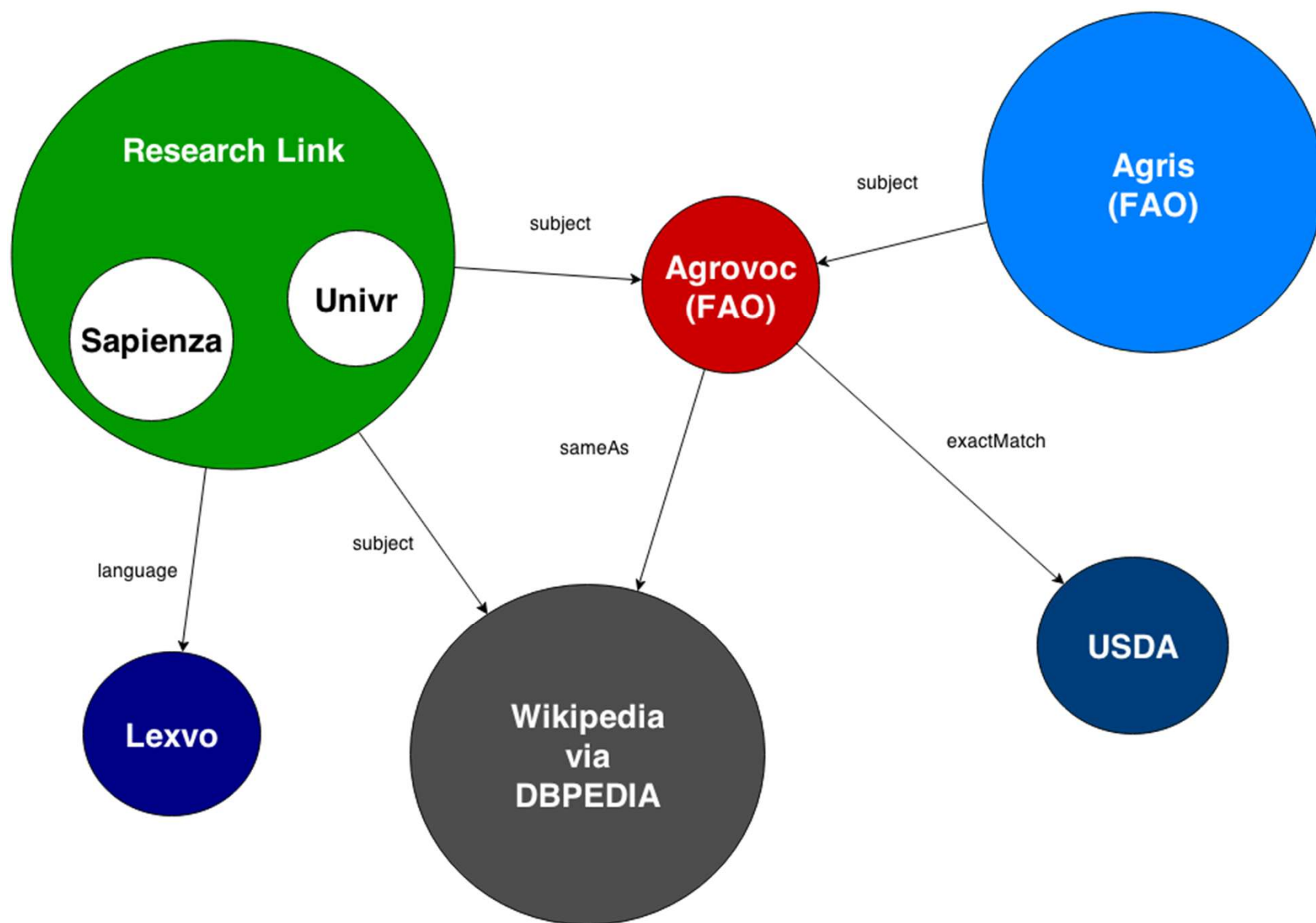


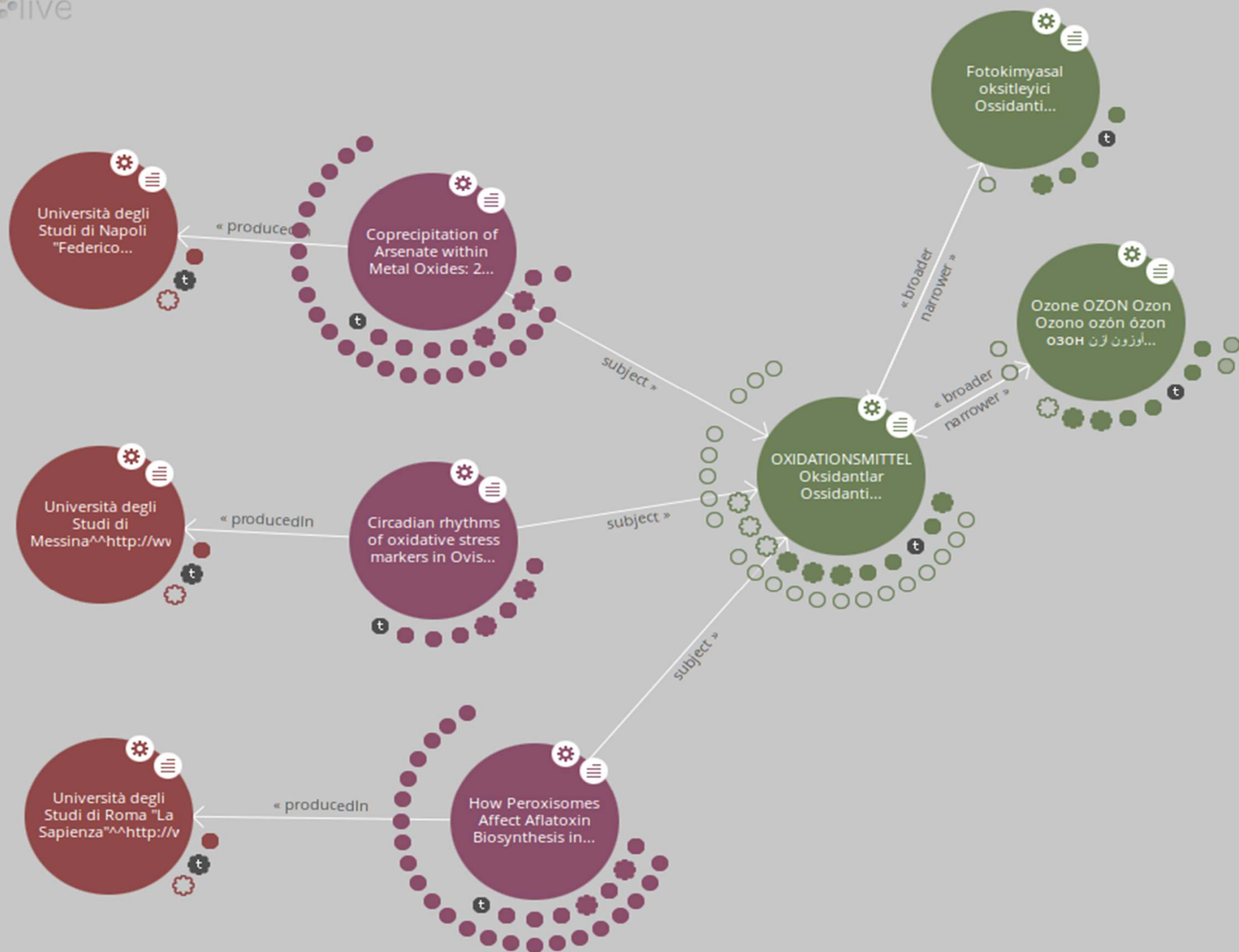
Data improvement





R-Link Web of Data







LD REST API

Every Resource Identifier will be an open API!

<http://rlink.cineca.it/id/ResearchContent/{rlinkId}>



OPEN DATASET DOWNLOAD

Everyone can download the whole Dataset and reuse locally



GRAPH ENDPOINT

Everyone can use the SPARQL endpoint to run queries. For free!

Get it.. but what to do with it?



Exploit

WHO

- Everyone
- Students
- Open Data communities
- Private companies

WHAT

- Data analytics
- Apps
- Data journalism
- Data education

HOW

- Build semantic API
- Community engagement
- Examples and tutorial



LINKEDUP

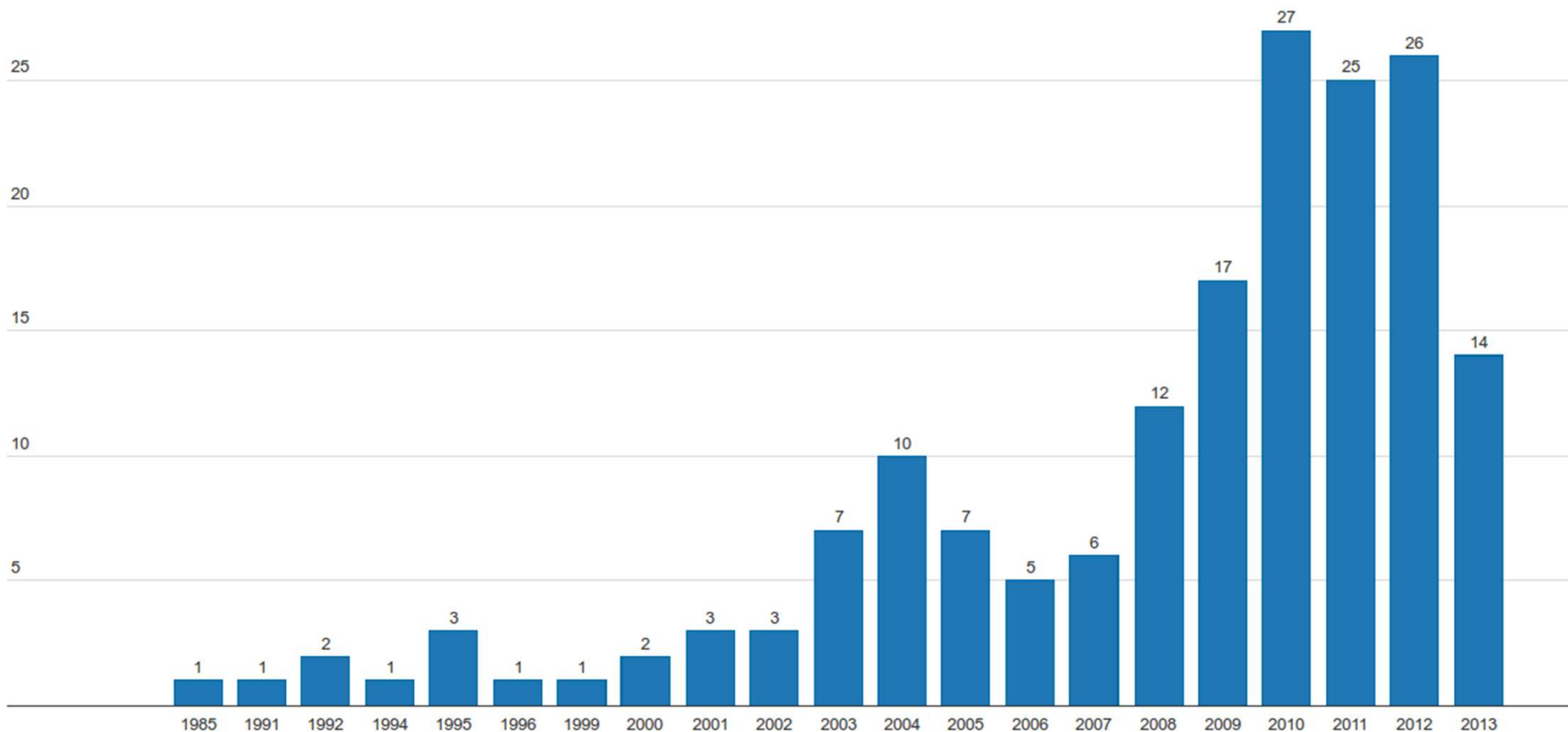




Exploit in practice

A demo report about wine at University of Verona:

- [Wine is a trending topic?](#)

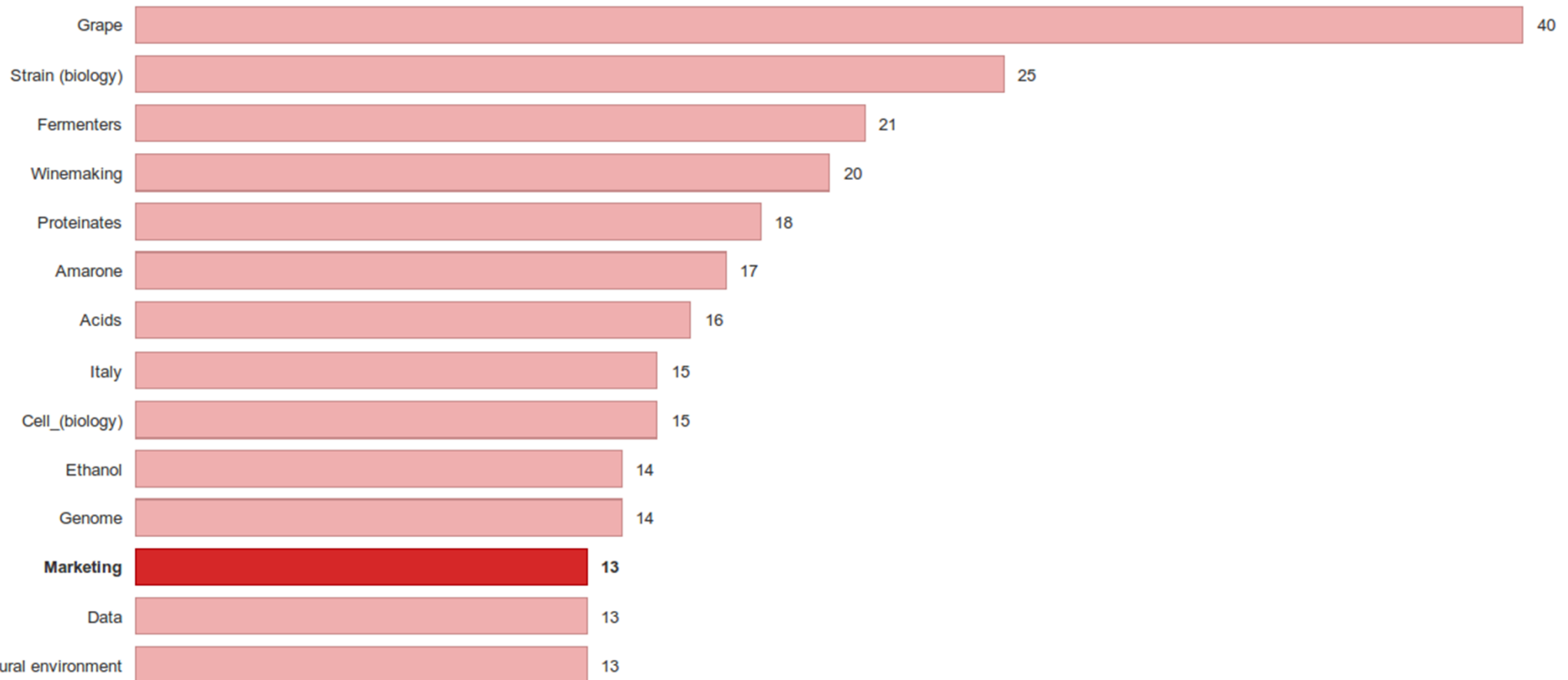




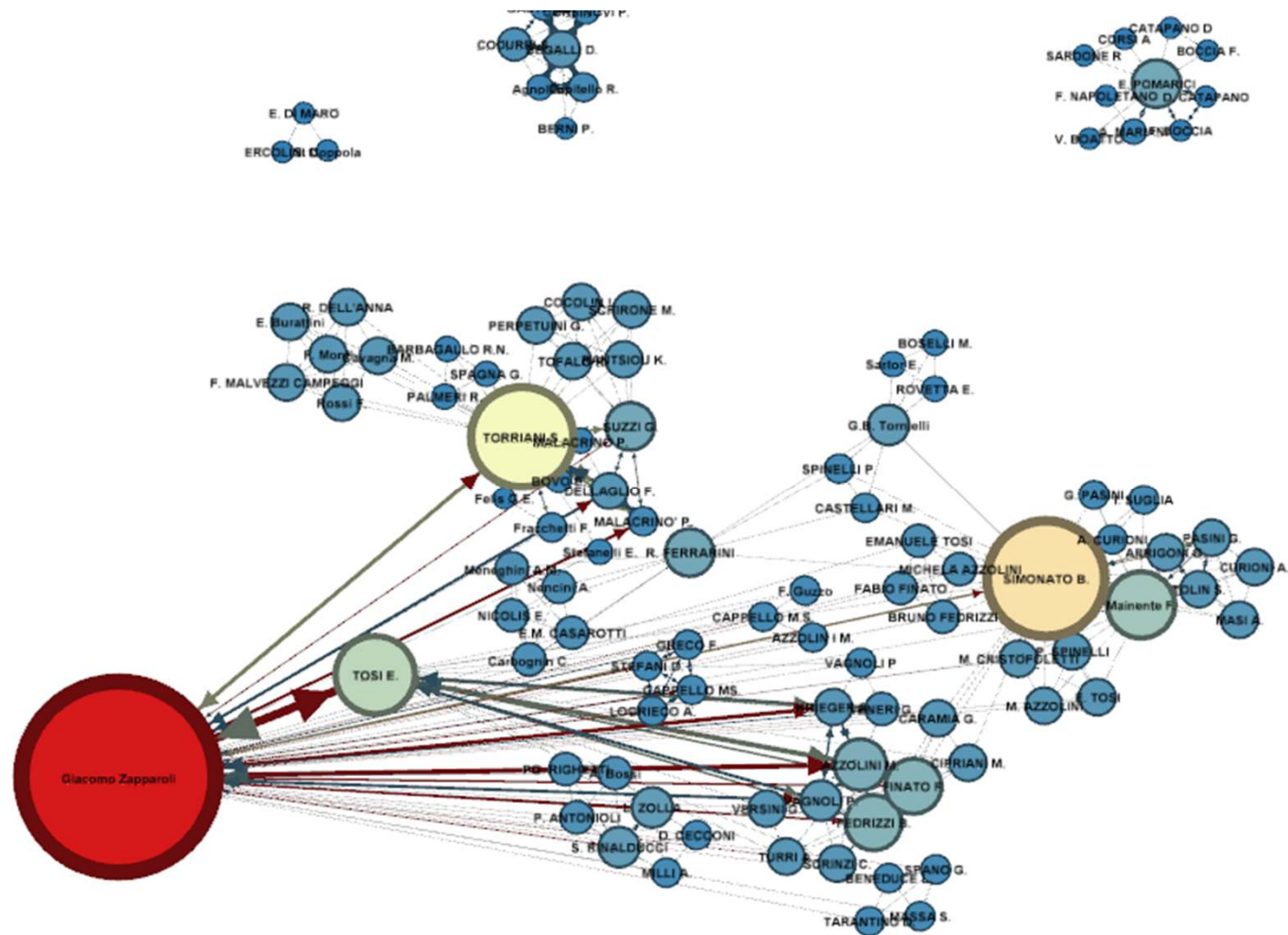
Exploit in practice

A demo report about wine at University of Verona:

- [Wine and..](#)



- Wine help people working together? ☐





Lesson learned.. and next steps

Open Data exploitation is not very clear

- Lots of the effort will be in Linked Data Reuse
- Publish data in other useful ways

Synchronization issues with the data source

- More tightly coupled with the data source (i.e. the new CINECA CRIS called IRIS)

We need more data and better links!

- More persistent identifiers!
- Tagging per domain
- Not only bibliographic data



Thank you!

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