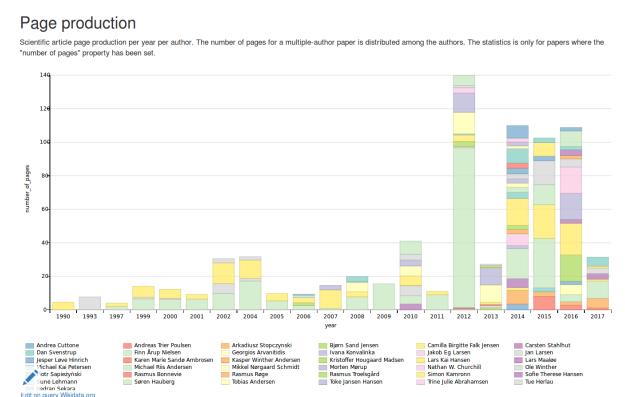
Scholia as an interface to grant information

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Scholia



Scholia is a webservice from https://tools.wmflabs.
org/scholia/ and a Python
package from https://github.
com/fnielsen/scholia.

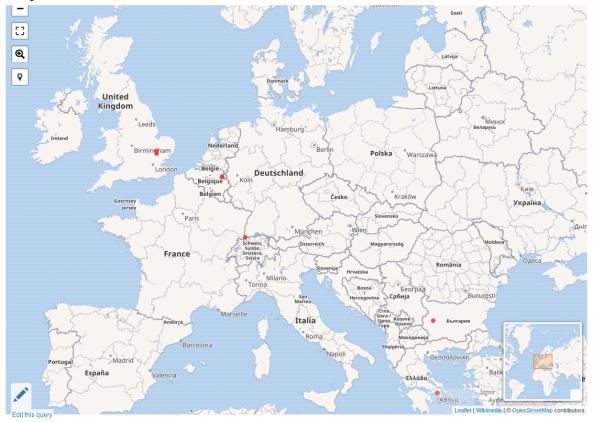
The webservice generates overview of science with Wikidata Query Service and is built with the Flask web framework, HTML, Bootstrap ,Javascript and templated SPARQL.

For researcher profiles, scientometrics, bibliographic reference management, information discovery (find relevant papers, scientific meetings, researchers, funding opportunities, . . .).

Scholia project aspect

eNanoMapper (**Q27990087**)

Project Partners



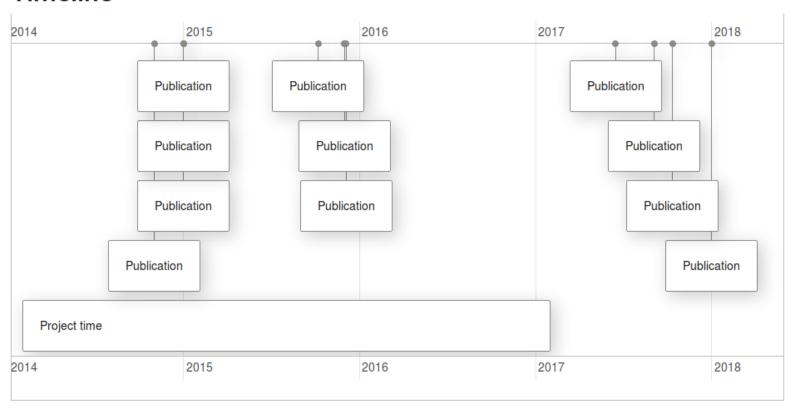
Egon Willighagen branch from April 2018 for a project aspect.

Slightly extended and now available at https://tools.wmflabs.org/scholia/project/

Map of participants, project timeline, published works associated with the project, topics, authors, publications per year.

Scholia timeline in project aspect

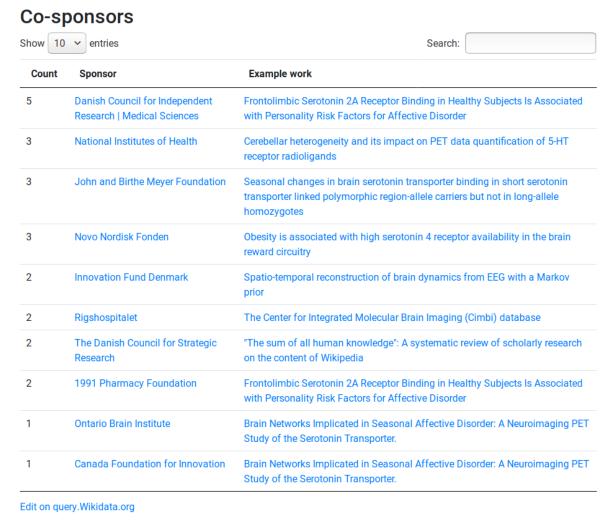
Timeline



Project timeline for eNanoMapper at https://tools.wmflabs.org/scholia/project/Q27990087.

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Scholia sponsor aspect



For some time, Scholia has had a *sponsor* aspect relying mostly on the P859 (*sponsor*) Wikidata property.

It allows us to make a cosponsor list for each sponsor: which other funders also funded the research behind research papers (or other items).

Here for the *Lundbeck*Foundation

Wikidata data model

What data model have we used or could we use?

Wikidata properties from projects

CORDIS	Wikidata property
(project number)	P3400 (CORDIS Project ID)
Participants (organization)	P527 (has part), P710 (participant),
(people involved)	(not sure anyone has used that)
(Principal Investigator)	P1037 (manager/director)
From, to	start time, end time or P571 (inception), P576 (dissolved)
Total cost	P2769 (budget)
EU contribution	P2769 (budget) with qualifier?
Topics	P921 (main subject) or P101 (field of work), "interested in" or "studies"?

Further issues

"Funding scheme" and "Funded under"

Label: Should it be the long title or the short name

"objective of project or mission" P3712.

CORDIS: Coordinator (organization), Administrative contact, "coordinated in" country. Headquarter location?

Wikidata "classes": Project, Research project, ERC Starting grant?

Further properties for projects on Wikidata can be explore with SQID: https://tools.wmflabs.org/sqid/#/view?id=Q170584

Springer's SciGraph

Springer has defined a Grant class in their SciGraph ontology available at GitHub. The part of the ontology file for Grant is:

This class is supported by the ontology classes: fundingAmount, fundingCurrency, hasFundedPublication, hasFundingOrganization, hasPrincipalInvestigator, hasRecipientOrganization.

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DBpedia's Research project

http://mappings.dbpedia.org/server/ontology/classes/ResearchProject

fundedBy, projectBudgetFunding, projectBudgetTotal, projectCoordinator (range is Organization), projectEndDate, projectKeyword, projectObjective, ProjectParticipant (range is Organization), projectReferenceID, projectStartDate, projectType (e.g., STREP, NoE, . . .).

DBpedia apparently has a limited number of projects:

```
SELECT ?project WHERE {
    ?project a / rdfs:subClassOf*
    <http://dbpedia.org/ontology/Project>
}
```

results in 22 items, e.g., http://dbpedia.org/page/ECOTOOL.

Questions

We have no grants but projects in Scholia. Should we have grants (instead)? And what is the difference between a grant and a project (a grant is a contract according to SciGraph)

Can and should we link to Springer's SciGraph instances?

Should "Sponsor" property be transitive? Is a paper funded by a project that is funded by a funder?

Are we abusing the *sponsor* Wikidata property. It seems it originally targeted at athlets and it is set as equivalent with http://schema.org/sponsor.