

## ORGANIZATIONAL DETAILS

- No fees to be paid by European Participants.
- Travel and hotel of EU based participants will be covered by RISIS (economy flights, No expensive hotel).
- Lunch and coffee breaks will be organized on site for all participants.



## Linked Data for Science & Innovation Studies:

Using the SMS platform  
for enriching your  
research data

Venue: Vrije Universiteit  
Amsterdam

Start date: Nov 30, 2017

End date: Dec 1, 2017

Deadline for request  
participation: **Nov 17**



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<http://fms.risis.eu>



Linked Data

for Science &  
Innovation Studies



Nov 30 – Dec 1 2017



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Research infrastructure for research  
and innovation policy studies



LOCAL ORGANIZING COMMITTEE:

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# Linked Data for Science & Innovation Studies: Using the SMS platform for enriching your research data

Vrije Universiteit Amsterdam

Nov 30 – Dec 1 2017

## COURSE OBJECTIVES

**The aim of the course is to train researchers to use the SMS (Semantically Mapping Science) platform for integrating, enriching and retrieving data for a specific research project. Participants will come with their own data and go with a specifically enlarged (linked to other SMS datasets) dataset needed for the intended study.**

## COURSE DESCRIPTION

The promise of linked data is to have larger and richer research data than currently available. In this course, the participants are trained to produce and use linked data and the various possibilities provided by those data. Integrating and enriching of data are supported by the SMS platform, but there is still manual work to do, and this course is meant for training how to do those tasks. In the two days course, participants will

- (i) get familiar with the platform and its functions;
- (ii) learn how to convert their own data so these can be linked to other data in the platform, as this requires a specific format
- (iii) enrich the data through entity recognition and geolocation services – the first is related to textual data where for example organization names can be recognized in a CV, or technical terms can be recognized as referring to a specific disease;
- (iv) link one's own data to the data in the SMS data store.
- (v) use the SMS browser to select those data from the SMS data store that the user needs for his/her research project;
- (vi) understand how this data browsing results in a query that can be used to retrieve the data from the data store in a usable format.
- (vii) Finally, these data then can be used for analysis.

## PROGRAMME AND CONTENT

### Day 1 -

- Introduction on the SMS platform
  - *Overview of the data in the SMS datastore*
  - *Overview of the data services of the SMS platform*
- Preparatory steps
  - *Converting your data into RDF*
  - *Enriching textual data with the entity recognition service*
  - *Geolocating the data*
- The link service:
  - *Basic linking between the own data and the SMS datastore*
  - *Using the link tool and the lens service to enrich the links*

### Day 2 -

- The link service (2)
  - *Applying the link/lens tool for linking*
  - *Checking the quality of the produced links*
- Browsing and configuring the datastore
- Discussion and evaluation of the results

## AUDIENCE TARGETED

Researchers (early career and experienced) interested in data integration for science and innovation studies, from within the RISIS consortium and from outside.

Participants can either be active researchers in the field, or data/information/computer scientists working together with STI studies researchers

## REQUIREMENTS FOR PARTICIPATION

- No specific requirement, although skills in social science research methods is recommended. The participants should have a research project and bring the data they already have for the project – the latter will be linked to the data store.



This course is part of the  
Training Activities of the RISIS Project  
(<http://risis.eu/training>)