ODISSEI
RU IMR Seminar | 20 March | Lucas van der Meer
Why ODISSEI?
ODISSEI unites the social sciences

- There are huge amounts of **data** about people, organisations, neighbourhoods, etc.
- Societal questions are increasingly more **complex**.
- Computing **technologies** are rapidly developing.
- Need for an **organised** response from the social sciences

- Open Data Infrastructure for Social Science and Economic Innovations
- Dates back to 2014 (NDSW)
What is ODISSEI?
An infrastructure for the Social and Economic Sciences
A Social Science Infrastructure
A collaborative consortium

ODISSEI has 30 participants, including faculties (social sciences / economics), public research agencies and KNAW/NWO institutes.
Prominent scientists

Key researchers committed to ODISSEI, e.g. Pearl Dykstra (EUR; PI), Tanja van der Lippe (UU), Dorret Boomsma (VU), and Frank van Harmelen (VU).
Main activities of ODISSEI

Microdata Services
Secure access to CBS data for around 700 researchers from a broad range of scientific disciplines.

LISS Panel access
A national laboratory for high quality methodological and scientific innovations.

Financing Fieldwork
Maintaining existing international panels such as SHARE, ESS, EVS and GGP. Promoting open access data collections with a good price-quality ratio.

HPC access
Development of a secure High-Performance Computer (HPC) environment for social scientists for the analysis of survey and register data.

Standards
Definition and implementation of standards within the social sciences to increase interoperability, monitoring change and improving data quality.

Communities
Building bridges with other disciplines, representing the interests of social scientists and participating in international initiatives.
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The ODISSEI Data Facility (ODF)

Microdata

On site analysis

Remote Access

Input

Output checks
The ODISSEI Data Facility (ODF)

- Microdata
- Cartesius supercomputer

Remote Access

Input

Output checks
The ODISSEI Data Facility (ODF)
A world first

Nowhere else is there an infrastructure that brings together register data, survey data and high performance computing in a digital environment that is available to the entire community of social scientists.
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Microdata Access Discount (MAD)

Researchers at ODISSEI participants receive a discount of 50% on CBS Microdata Access

Only for 1st/2nd/EU stream money
Microdata Access Grant (MAG)

Researchers at ODISSEI participants can submit a proposal for free access to CBS Microdata (pilot)

Facilitating new research

Short proposal (3-5 pages)

Only for 1st/2nd/EU stream money
Microdata Access Grant (MAG)

Submission: 30 April 2019
Decision: Summer 2019
Start project: Second half 2019

Five projects of € 8,000. Example:
- 1-2 researchers
- 0.5-1.0 year
- 10 datasets
Microdata Access Grant (MAG)

Tips

▪ Motivate why the research cannot be performed without the grant
▪ Elaborate on the relationship to other ODISSEI elements (e.g. data sharing, ODF)
▪ Do not forget the implications for society and research; methodology
▪ Be specific about required datasets
MAD & MAG

More information

www.odissei-data.nl
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LISS panel

Online panel of 4,500 households, comprising of 7,000 individuals. Based on a true probability sample by CBS.

20% discount

Eligible for free access competition (Fall 2019):

- 2,000 respondents
- 15 minutes
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Communities

E.g. International Conference on Computational Social Sciences (IC2S2)

Networking event 15 July 2019 17:00 @Ams
Not working at a participant?

No influence on eligibility CBS Microdata

Participation
  - Requirement for microdata discount and free access
  - Costs k€ 10-50 per year
Governance

Participants

Supervisory Board

Management Board

Executive Team
Funding

Our funding of €1.1M per year is secured for at least 5 years.
€ 0.6M from participants; € 0.5M from NWO

We are applying for a € 18 million NWO Large Infrastructure Roadmap grant (June 2019).
Future
Future

We are applying for a NWO Large Infrastructure Roadmap grant (June 2019).

- Data portal
- Laboratory
- Observatory
- Bridge
ODISSEI promises

Better infrastructure → Better science → Better society
Do you have an idea?
info@odissei-data.nl
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Open Data Infrastructure for Social Sciences and Economic Innovations