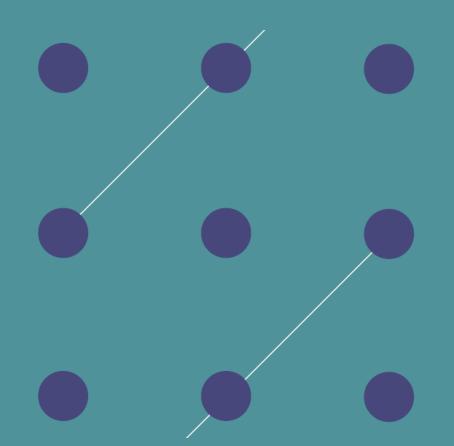
BoF on an Open Research Data Survey

Preparation of a WG Case Statement on an Open Research Data Survey



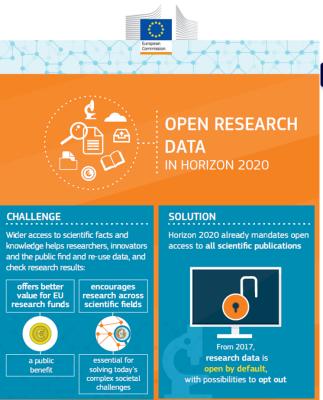
Stephane Berghmans, DVM PhD Ingeborg Meijer, PhD

10th RDA Conference

Montréal, Canada 19 September 2017

01: Introduction

Governments, funders, institutions, publishers are formulating Open Data policies







to transparency and to a coherent approach across the research base. These RCUK common principles on data policy provide an overarching framework for individual Research Council policies on data policy.

Principles

Publicly funded research data are a public good, produced in the public interest, which should be made openly available with as few
restrictions as possible in a timely and responsible manner.

VSNU calls for a national RDM strategy

06 MAY 2015

The Association of Universities in the Netherlands (VSNU) has asked SURF to set up a National Research Data Management Coordination Point. The VSNU's Research and Valorisation Steering Group notes that much work in the RDM field is already taking place at universities. They also see a need for more coordination.



Data management protocol

Q&A Open Access at NWO
 Researchers about Open Access
 Data management
 Data management section

Responsible data management is part of good research. NWO wants research data that emerges from publicly funded research to become freely and sustainably available, as much as possible, for the use by other researchers (data management as part of Open Science). Due consideration is given to aspects such as privacy, public security, ethical limitations, property rights and commercial interests.



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Expertise & Services -

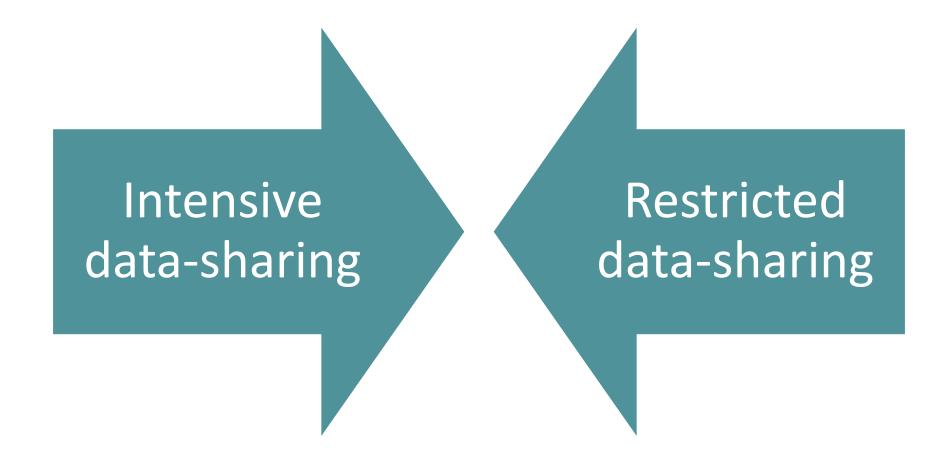
Data Management Support Hul

vacancies

Data Management Planning

Data management planning is a matter of good research practice. At Wageningen University & Research PhD candidates and Chair Groups are required to have a Data Management Plan.

Culture is changing ... not uniformly







Track changes and benchmark



Practices, experiences, barriers and







National Science Foundation

Final Report:

Workshops to Gauge the Impact of Requirements for Public Access to Data Produced by NSF-funded Research in Mathematics and the Physical Sciences1,2



IGITAL

Science gateway workshops 2014 special issue

Science gateways are a solution for user communities to access applications and data via a graphical user institute. These graphical user institutes. These graphical user institutes that the standard properties are a traditional control of the standard properties and the standard properties are control of the standard properties are control of the standard properties are control of the standard properties are repeated pathward to the standard properties are repeated pathward to the standard pathward properties are repeated pathward to the standard pathward properties are repeated pathward to the standard pathward pat

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2. SCIENCE GATEWAY USE AND SUSTAINABILITY

The close collaboration between user communities and developers as well as providen is crucial for developing and offering effective science gateways widely used by science communities. Insights about the demands of user communities and about possibilities to support science gateway well-open can immensely improve both the efficiency of creating science gateways and their long-term satialability. Learness or all, Ill present results from a large-scale user survey of nearly 3000 and the science of the control of the science of the control of the science of sustainability. Lawrence et al. [1] present results from a large-scale user survey of nearly 2000 measurches from divener search formalis and computer science departments involved in science gateway provisioning, who answered a questionnaire about demands on and existing courses for developing science gateway year, being include the support of user communities, ailing developers in choosing a suitable science gateway technology and involving specific expertise. The paper also notes that for the first time in the National Science Foundation (NSF) appercompting pregram, more users have accessed resources via gateways than by using the command line. The manuscript Reflections on Science Gateways Sustainability Through the Business Model Carwa Case Study of a Neuroscience Gateway [2] goes into detail on sustainability approaches for science



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projectes europeus de diferents àmbits de coneixement.

un percentatge de resposta del 45%

2015 una enquesta destinada als responsables dels diferents projectes de les Universitats de

Catalunya que rebien finançament del programa Horitzó 2020 de la Comissió Europea,

independentment de si formaven part o no de l'Opes Research Data Filot, amb la finalitat de conèixer les necessitats dels investigadors en matèria de gestió de dades de recerca.

L'enquesta va ser enviada des de les diferents biblioteques i oficines de recerca de les universitats de Catalunya entre desembre de 2015 i gener de 2016 a una mostra de 164

Aquest informe està fet sobre la base de les 73 respostes rebudes fins al 31 d'agost de 2016 i,

tot i que el gunu de resposta és desigual entre les diferents universitats (vegeu taula 1), suposa

CSUC Consorci de Serveis Universitaris de Catalunus

Funded by NSF-PHY-1457413

Increasing number of reports and surveys

- Workshops to Gauge the Impact of Requirements for Public Access to Data Produced by NSF-funded Research in Mathematics and the Physical Sciences (2017)
- Open Data Research a researcher perspective (2017)
- The State of Open Data a selection of analyses and articles about open data (2016)
- Towards Open Research practices, experiences, barriers and opporunities (2016)
- Gestió de les dades de recerca: resultats de l'enquesta prospectiva a gener de **2016** (2016)
- **e-infrastrcutures Austria: Forschende und ihre Daten**. Ergebnisse einer österreichweiten Befragung (2015)
- Science Gateways Today and Tomorrow (2015)
- Wiley Researcher Data Insights Survey (2014)
- I dati aperti cemento della scienzia (to be published)
- American Physical Society report (to be published)

• ...



What is in this increasing number of reports and surveys?

Summary of the context, not the content:

- Coverage
- Disciplines
- Selection
- Number of respondents
- Topics





June 15, 2016



REPORT





UK survey of academics (2015)

- Repetition of 2012; open data is new
- Initiated from library
- Coverage: UK
- Disciplines: all
- Selection: Academic staff at UK higher education institutions. In total, 64,259 academics were invited
- Number of respondents: 6,679 completed responses, response rate of 10.4 percent
- Topics: library, access, research dissemination, dissemination services and research data management



Researcher data sharing insights (2014)

• Coverage: global

• Disciplines: 4 health sciences/life sciences/physics/social science

Selection: ??

Number of respondents: > 2,250

• Topics: ways of sharing, motivations, hesitations, actual sharing

practices



The State of Open Data (2016)

Coverage: global

Disciplines: all

Selection: ? Figshare users

Number of respondents: ~2,000

 Topics: Awareness on freeness, value on credit for making data open data, reuse of open data, uncertainty and gaps in knowledge on how to make it open (e.g. Licensing); institutional, funder or publisher requirements, citation practices



A selection of analyses and articles about open data, curated by Figshare

Foreword by Professor Sir Nigel Shadbolt

OCTOBER 2016

Open Data; the researcher perspective (2017)

Coverage: global

• Disciplines: all

• Selection: ~26,800 authors from Scopus

- Number of respondents: 1,164 (2.3%)
- Topics: how & why researchers are sharing,

attitudes towards sharing, research data ownership, aspects of research data management, perceptions on reusability



Summary: what do we want in a joint survey?

- Coverage: Researchers, global, all disciplines
- Selection & Number of respondents; as high as possible
- Topics:
 - Actual sharing
 - Actual reuse
 - Locations of archiving
 - Data intensive vs. data restricted practices
 - Data publishing?
 - Change in issues for not-sharing
 - AOB



03: Next steps



an Open Research Data Survey

Coordinated approach using a common survey

→ co-developed and community-designed open survey

Advantages

- To make use of community sourcing to design a comprehensive and broadly accepted survey
- To rationalize the use of resources by avoiding duplication
- To design a **flexible survey adapted** to all stakeholders, regions, environments, etc.
- To offer all stakeholders a **tool** to track the response to open data policies and measure their potential effect within scientific communities
- To standardize a survey whose multi-source results could be combined and/or aggregated to perform **meta-analysis** at various levels (institutional, disciplinary, regional, etc.)
- To create the opportunity to systematically track open data developments over time
- •

Today's objectives

- ✓ To present the concept of an open research data survey on open data and its potential benefits
- > To discuss this concept and supportive arguments
- To finalize the arguments and objectives for a case statement [45 min]
- ➤ To identify interested stakeholders and specific partners

 [10 min] (in and outside this room)

Today's objectives

What? an Open Research Data Survey

How? an RDA Working Group

When? asap

Why? advantages (and pitfalls)

Who? Interested stakeholders (organisations & individuals)

Project Supporters

Stephane Berghmans, Elsevier, EuroScience
Jean-Claude Burgelman, DG Research & Innovation, European Commission
Gabi Lombardo, European Alliance for Social Sciences & Humanities
Ingeborg Meijer, CWTS, University Leiden
Martin Müller, SwissCore

to be continued

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