Main Drivers for Successful Re-use of Research Data

Knowledge Exchange
Discussion Workshop in Berlin
September 23–24, 2009

EUROPÄISCHES HAUS /
HOTEL PARK INN
BERLIN-ALEXANDERPLATZ

Information

Programme Structure

Detailed Programme

Knowledge Exchange

DFG   JISC   DEff   SURF FOUNDATION

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**Organised by the Knowledge Exchange Initiative and
the Knowledge Exchange Working Group on Primary Research Data**

Programme Committee

John Doove (SURFfoundation), Simon Hodson (JISC),
Christoph Kümmel (DFG), Laurents Sesink (DANS)

About the Knowledge Exchange Initiative

Knowledge Exchange is a co-operative effort that supports the use and development of
Information and Communications Technologies (ICT) infrastructure for higher education
and research. The European partners of Knowledge Exchange, DEFF, DFG, JISC and
SURFfoundation, share a common vision based on their four national strategies. That vision is:
To make a layer of scholarly and scientific content openly available on the Internet. In order to
realise this goal, the partners work to support existing and new programmes on national and
international levels (further information: *www.knowledge-exchange.info*).

The improved management of primary research data is a core interest of the Knowledge
Exchange partner organisations. The Knowledge Exchange initiative has established a
Working Group on Primary Research Data consisting of representatives from the partner
organisations and strategic stakeholders from the scientific and scientific infrastructure
communities including experts from Data Archiving and Networked Services (DANS), Tilburg
University, Technical Knowledge Center of Denmark, The Alfred Wegener Institute for Polar
and Marine Research, and the Institute for the Study of Labor. The goal of this working group
is preparing the ground for more research data to be openly available for re-use.

BACKGROUND AND GOAL OF THE WORKSHOP

"Because digital data are so easily shared and replicated and so recombinable, they present tremendous reuse opportunities, accelerating investigations already under way and taking advantage of past investments in science."
(Clifford Lynch, Nature 2008)

In 2004 the OECD "Declaration on Access to Research Data from Public Funding" recognised the benefits which accrue to "science, the economy and society at large" from "the optimum availability of research data from public funding". And indeed, today there is increasing recognition that the organisations and individuals involved in publicly funded research have a responsibility to ensure the availability of the outputs of that research, both to underpin the scholarly record, and to enable such outputs to be the basis for future research. In such a context, it is timely to ask how researchers are already benefitting from this development in practice. What are their experiences by re-using data and what are the main drivers for success in that context?

The discussion workshop will bring together successful examples from a whole range of scientific disciplines in order to make a case for the particular benefits of re-using data from a researcher's perspective. But the contributions and following discussions should not only show the potential data-sharing may have in practice but will also show research specific challenges and obstacles that still hinder the most effective re-use of research data. The use cases presented by researchers will be supplemented by selected presentations by specialists from data centers, information management divisions and funding bodies giving insights in what has been achieved so far and what still has to be done for providing the appropriate infrastructure and legal environment for successful re-use of data.

In this way the workshop is designed to show on the basis of practical experiences from researchers what lessons have been learned on sharing and re-using research data and what actions might be taken on by the different stakeholders to still improve the conditions for a successful re-use of research data.

The Programme Committee

PROGRAMME STRUCTURE

WEDNESDAY, SEPTEMBER 23 · EUROPÄISCHES HAUS

12:30   *Registration & Lunch*

13:30   **Introduction**

14:00   **key note presentation 1**

14:40–19:00   **SECTION 1**
Data re-use in practice: The researchers' perspective

Contributions and following discussions will cover a whole range of research areas (humanities, sciences, social sciences, interdisciplinary approaches) and present use cases showing what lessons have already been learned; the following topics will be covered: success stories, challenges of data re-use in practice, incentives to re-use and share data for researchers.

19:00   *Expected end of day 1*

20:00   *Reception and dinner buffet (Hotel Park Inn Berlin-Alexanderplatz)*

THURSDAY, SEPTEMBER 24 · HOTEL PARK INN

9:00   **Key note presentation 2**

9:40–11:20   **SECTION 1 continued**

11:50–13:00   **SECTION 2**
Preparing the grounds for re-use:
the current state of data related scientific infrastructure

Representatives of major initiatives and institutions working on a sustainable infrastructure for long-term preservation, interoperability and access management for research data will give insights on what has been achieved and what still needs to be done. Invited speakers include representatives from an ESFRI project, leading data centers, information management units in research projects, and central research institutions.

14:00–15:00   **SECTION 3**
Induce re-use: improving re-use of research data by policy regulations

To round up the picture and allow for a most constructive final discussion presentations on the improvement of policies and mechanism of financial support by funding bodies will inform about recent experiences and future prospects of major stakeholders.

15:00   **Plenary discussion & conclusions**

15:45   *Expected end of workshop*

DETAILED PROGRAMME

WEDNESDAY, SEPTEMBER 23 · EUROPÄISCHES HAUS

12:30 *Registration & Lunch*

13:30–14:00 **INTRODUCTION**

13:30 Welcome and introduction to the workshop programme · *Christoph Kümmel*

13:40 The Knowledge Exchange initiative, its vision and achievements · *Keith Russell*

13:50 Scope and goal of the workshop: opening remarks · *Stefan Winkler-Nees*

14:00 **KEY NOTE PRESENTATION**
Key note Presentation: Social Issues in Scientific Data Exchange · *Ulf Leser*

14:40–19:00 **SECTION 1 · Data re-use in practice: The researchers' perspective**

14:40 What do you do with a million books? Building comparative corpora in literary studies · *Gerhard Lauer*

15:00 Re-use of interview data in the Veteran Tapes VP project: The researchers' perspective · *Henk van de Heuvel*

15:20 Archiving and Reusing (Challenging) Qualitative Data: Case studies from ESDS Qualidata and Timescapes · *Libby Bishop*

15:40 Re-using data from the Peter Townsend collection at the UK Data Archive · *Julia Johnson*

16:00 Discussion

16:20 *Coffee break*

16:50 Data Sharing in Psychology: Concerns versus Acceptance · *Erich Weichselgartner*

17:10 Smart ways to get data into and out of the Lab: The lifecycle of chemical information · *Jeremy Frey*

17:30 Getting the big picture from fossils: The Paleobiology Database and allies · *Wolfgang Kiessling*

17:50 Sharing immunological data · *Ole Lund*

18:10 Data sharing for Neurophysiological Recordings: the CARMEN project · *Leslie Smith*

18:30 Discussion & resumé of day 1

19:00 *End of day 1*

20:00 *Reception and dinner buffet (Hotel Park Inn Berlin-Alexanderplatz)*

THURSDAY, SEPTEMBER 24 · HOTEL PARK INN

9:00   KEY NOTE PRESENTATION
A vision for the future of integrated research – how will we cope? · *John Wood*

9:40–11:20   SECTION 1 ·   Data re-use in practice: The researchers' perspective (continued)

9:40   Examples of data-use in climate research · *Peter Lemke*

10:00   Merging Earth Science Datasets as a Basis for Paleo-Climate Models · *Emanuel Söding*

10:20   Driving data sharing across research disciplines in the Rural Economy and Land Use programme · *Veerle Van de Eynden*

10:40   Social and Environmental Inequalities in Rural England: constructing and sharing an integrated dataset · *Meg Huby*

11:00   Discussion

11:20   *Coffee break*

11:50–13:00   SECTION 2 ·   Preparing the grounds for re-use: the current state of data related scientific infrastructure

11:50   Dariah – RI for research data in the humanities · *Heike Neuroth & Tobias Blanke*

12:05   Data Integration in High Energy Physics · *Annette Holtkamp*

12:20   ICSU World Data System · *Michael Diepenbroek*

12:35   Dissemination of Educational Assessment Data in Germany: Light and Shade · *Michel Knigge*

12:50   Discussion

13:00   *Lunch break*

14:00–15:00   SECTION 3 ·   Induce re-use: improving re-use of research data by policy regulations

14:00   Data at Nature · *Matthew Day*

14:15   Data Matters – a research funders' perspective · *David Carr*

14:30   Implementing an effective data sharing policy - a UK public funder's perspective · *David McAllister*

14:45   Activities and intentions of the European Commission to foster successful re-use of research data (title t.b.c.) · *Wim Jansen*

15:00–15:45   CONCLUSIONS

15:00   Plenary discussion on the lessons learned and actions to be taken on

15:30   Main drivers for successful re-use of research data: concluding remarks · *Liz Lyon*

15:45   *Expected end of workshop*