

The Research Data Alliance

Euro-VO SAC meeting

5 September 2013

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Research data is a hot topic

The screenshot displays the Times Higher Education website. The main headline is "G8 science ministers endorse open access", dated 10 June 2011 by Jack Grove. The article text states: "Science ministers from the G8 group of the world's richest countries have jointly endorsed the need to increase access to publicly-funded research." Below the text is an image of a stack of white papers with a black USB cable plugged into the bottom. To the right of the article is a sidebar with social media sharing options (Print, Email, Share, Comment, Rate, Save) and a "Tweets" section. The tweets include: "EU group wants teacher training for lecturers", "Australia prepares for (research) impact on h1m0L6 - by @pauluhm Expand", and "MT @JG_THE Study investigates underrepresentation of top female researchers at conferences". A purple banner for "RESEARCH STUDENTSHIPS AT BRIGHTON" is also visible. The website header includes the logo "THE AT THE HEART OF THE HIGHER EDUCATION DEBATE" and a search bar.

G8 science ministers endorse open access | News | Times Higher Education - Mozilla Firefox

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G8 science ministers endorse open access

10 JUNE 2011 BY JACK GROVE

Science ministers from the G8 group of the world's richest countries have jointly endorsed the need to increase access to publicly-funded research.



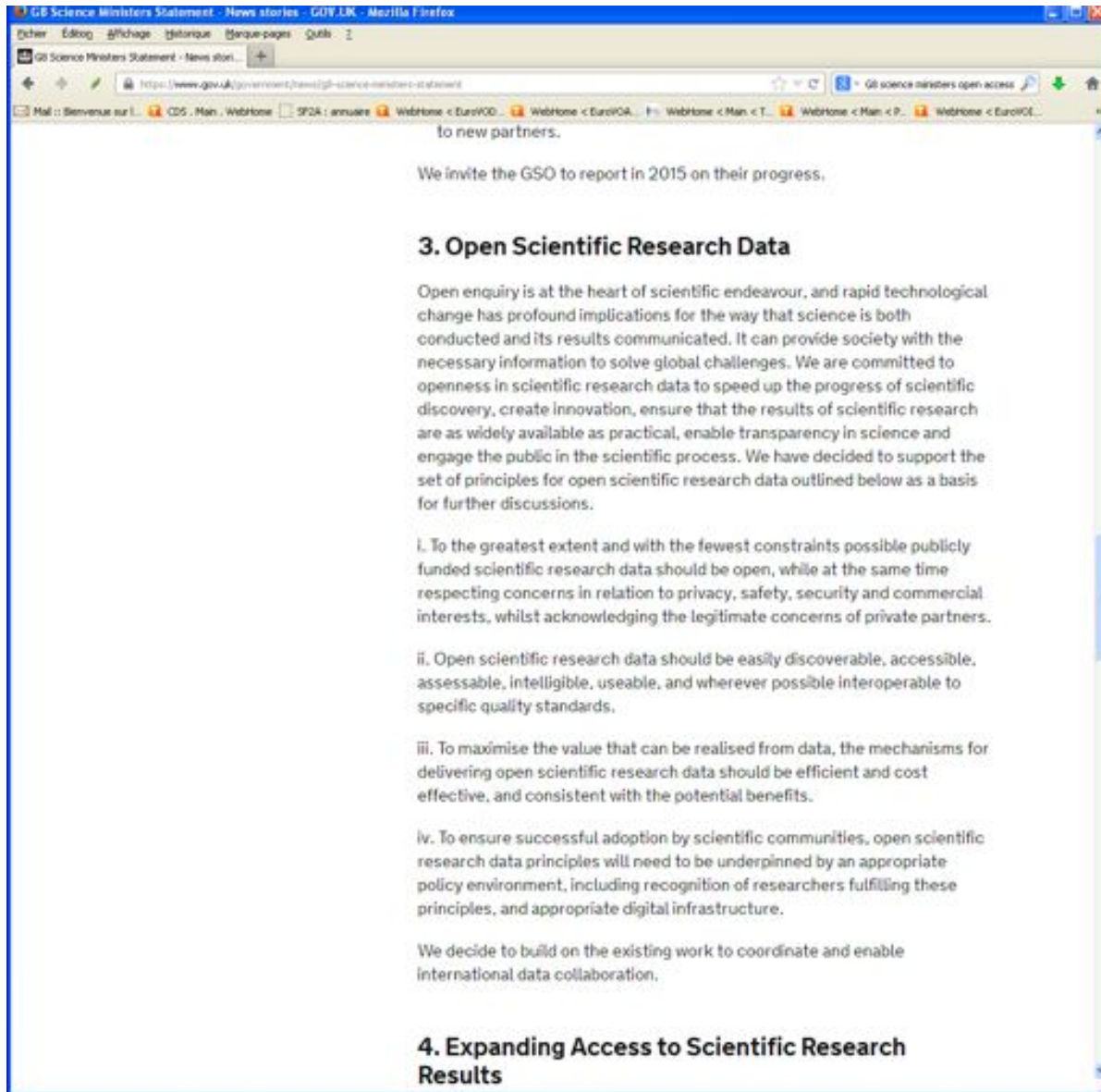
In a joint statement proposing "new areas" of scientific collaboration for the countries, the ministers say they "recognize the potential benefits of immediate global access to and unrestricted use of published peer-reviewed, publicly funded research results".

PRINT EMAIL SHARE COMMENT RATE SAVE

Tweets

- THE TimesHigherEducation @timeshighered EU group wants teacher training for lecturers: on h1m0L6 - by @pauluhm
- THE TimesHigherEducation @timeshighered Australia prepares for (research) impact on h1m0L6 - by @pauluhm Expand
- THE TimesHigherEducation @timeshighered MT @JG_THE Study investigates underrepresentation of top female researchers at conferences. #socialnetworksofsciencepublications.com Tweet to @timeshighered

FEATURED LINKS



to new partners.

We invite the GSO to report in 2015 on their progress.

3. Open Scientific Research Data

Open enquiry is at the heart of scientific endeavour, and rapid technological change has profound implications for the way that science is both conducted and its results communicated. It can provide society with the necessary information to solve global challenges. We are committed to openness in scientific research data to speed up the progress of scientific discovery, create innovation, ensure that the results of scientific research are as widely available as practical, enable transparency in science and engage the public in the scientific process. We have decided to support the set of principles for open scientific research data outlined below as a basis for further discussions.

- i. To the greatest extent and with the fewest constraints possible publicly funded scientific research data should be open, while at the same time respecting concerns in relation to privacy, safety, security and commercial interests, whilst acknowledging the legitimate concerns of private partners.
- ii. Open scientific research data should be easily discoverable, accessible, assessable, intelligible, useable, and wherever possible interoperable to specific quality standards.
- iii. To maximise the value that can be realised from data, the mechanisms for delivering open scientific research data should be efficient and cost effective, and consistent with the potential benefits.
- iv. To ensure successful adoption by scientific communities, open scientific research data principles will need to be underpinned by an appropriate policy environment, including recognition of researchers fulfilling these principles, and appropriate digital infrastructure.

We decide to build on the existing work to coordinate and enable international data collaboration.

4. Expanding Access to Scientific Research Results



Riding the wave

How Europe can gain from the rising tide of scientific data

Final report of the High Level Expert Group on Scientific Data
A submission to the European Commission
October 2010

The 2030 Vision – and the recommendations

Vision

All stakeholders, from scientists to national authorities to the general public, are aware of the critical importance of conserving and sharing reliable data produced during the scientific process.

Summary Recommendations

All member states ought to publish their policies and implementation plans on the conservation and sharing of scientific data, aiming at a coordinated European approach.

Legal issues are worked out so that they encourage, and not impede, global data sharing.

The scientific community is supported to provide its data and metadata for re-use.

Every funded science project includes a fixed budget percentage for compulsory conservation and distribution of data, spent depending on the project context.

Impact if achieved

Data form an infrastructure, and are an asset for future science and the economy.

“Riding the wave”
report to EC, 2010

Researchers and practitioners from any discipline are able to find, access and process the data they need. They can be confident in their ability to use and understand data, and they can evaluate the degree to which that data can be trusted.

Create a robust, reliable, flexible, given, evolvable data framework with appropriate governance and long-term funding schemes to key services such as Persistent Identification and registries of metadata.

Propose a directive demanding that data descriptions and provenance are associated with public (and other) data.

Create a directive to set up a unified authentication and authorisation system.

Set Grand Challenges to aggregate domains.

Provide “forums” to define strategies at disciplinary and cross-disciplinary levels for metadata definition.

Work closely with real users and build according to their requirements.

Dramatic progress in the efficiency of the scientific process, and rapid advances in our understanding of our complex world, enabling the best brains to thrive wherever they are.

Producers of data benefit from opening it to broad access, and prefer to deposit their data with confidence in reliable repositories. A framework of repositories is guided by international standards, to ensure they are trustworthy.

Propose reliable metrics to assess the quality and impact of datasets. All agencies should recognise high quality data publication in career advancement.

Create instruments so long-term (rolling) EU and national funding is available for the maintenance and curation of significant datasets.

Help create and support international audit and certification processes.

Link funding of repositories at EU and national level to their evaluation.

Create the discipline of data scientist, to ensure curation and quality in all aspects of the system.

Data-rich society with information that can be used for new and unexpected purposes.

Trustworthy information is useable now and for future generations.

The RDA

Created by EC, NSF and the Australian government in March 2013

The Research Data Alliance implements the technology, practice, and connections that make Data Work across barriers.

The Research Data Alliance aims to accelerate and facilitate research data sharing and exchange. The work of the Research Data Alliance is primarily undertaken through its working groups. Participation in working groups and interest groups, starting new working groups, and attendance at the twice-yearly plenary meetings is open to all.

RDA activities

- Tackles the different aspects of interoperability
- From very technical topics to community discussions about interoperability in their domain
- Interest Groups for discussion, Working Groups for focussed work with a ~18 months time scale
- FG involved through the European support project
- Part of the landscape for the future
- Define how astronomy will interact with RDA

Working and Interest Groups | rd-alliance.org

RESEARCH DATA ALLIANCE

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Working and Interest Groups

	Current Working Groups	Status
1	Community Capability Model	Pending Action
2	Data Citation	Pending Action
3	Data Foundation and Terminology	Recognised & Endorsed
4	Data Type Registries	Recognised & Endorsed
5	Metadata Standards Directory (MASDIR)	Recognised & Endorsed
6	PID Information Types	Recognised & Endorsed
7	Practical Policy	Recognised & Endorsed
8	Standardisation of data categories and codes	Recognised & Endorsed

