Beyond Open Access

Presented by:
Caroline Sutton, Head of Open Scholarship Development

Scholarly Summit, Washington DC, Nov 8, 2017
• What is Open Science/ Open Scholarship?

• How the discourse on open science is evolving and, in turn, products and services

• Some interesting examples/things to follow
“In this context, “open science” broadly refers to a set of attitudes, beliefs, and practices that are characterised by open access to scientific research publications, open research data, and other forms of multi-directional exchange between academic researchers themselves and with the public.”

Open Science Framework
A scholarly commons to connect the entire research cycle

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A curated, informative and educational resource on data and metadata standards, inter-related to databases and data policies.

Find

👍 Recommendations
Standards and/or databases recommended by journal or funder data policies.

Discover

💡 Collections
Standards and/or databases grouped by domain, species or organization.

Learn

🎓 Educational
About standards, their use in databases and policies, and how we can help you.
The Transparency and Openness Promotion Guidelines are a community-driven effort to align scientific ideals with actual practices.

Transparency, open sharing, and reproducibility are core values of science, but not always part of daily practice. Journals, funders, and scholarly societies can increase reproducibility of research by adopting the Transparency and Openness Promotion (TOP) Guidelines and helping them evolve to meet the needs of researchers and publishers while pursuing the most transparent practices.

Over 5,000* journals and organizations have become signatories to the TOP Guidelines.

*Includes the journals included in Elsevier's recent statement about the TOP Guidelines.
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The background figure: Marmed NavCam images of Reuett.. by K-Michael Ave in Planetary Science

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Open Access Collections: Religious Studies

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Open Science Badges enhance openness, a core value of scientific practice.

What are Open Science Badges?
- Badges to acknowledge open science practices are incentives for researchers to share data, materials, or to preregister.
- Badges signal to the reader that the content has been made available and certify its accessibility in a persistent location.

Badges seem silly. Do they work?
- Yes. Implementing these badges dramatically increases the rate of data sharing (Kidwell et al., 2016).
- A recent systematic review identified this badging program as the only evidence-based incentive program that this effective at increasing the rates of data sharing (Rowhani-Farid et al., 2017).
- View a list of journals and organizations that have adopted badges here.

Alright, I'm on board. What are the next steps?
- Each journal may choose to award badges based on a simple author disclosure statement or through independent peer review.
- The badges are free to use with attribution of their source. Download the images and get started now: https://osf.io/tvyyz/files/
- We offer examples of how to display badges on publications. As long as the badge image and disclosure statement are presented, you can display them any way you like.

For questions, see this resources page and email us at badges@cos.io.
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Open Science

G7 Science Ministers committed to giving incentives for open science and to providing research infrastructures on the basis of FAIR data

The G7 Science Ministers met in Venaria (Italy) on September 28th and they discussed how the G7 nations could lead efforts to materialise the benefits of the Next Production Revolution. In this context, the G7 Ministers also recognized that technological and societal developments are transforming research towards paradigms of open science. They stressed the importance of incentivising and rewarding Open Science activities and providing global research infrastructures which would allow for an optimal re-use of data on the condition that we can make this data FAIR (Findable, Accessible, Interoperable and Re-usable).

- See point 19 and 20 of the G7 Science Ministers’ Communique

A Vision for Europe
- Open Innovation
- Open Science
- Open to the World

Events
7 November 2017, Brussels, Belgium - 2nd COLUMBUS Annual Conference 2017 "Achieving Impact from Marine Research"

See all events
From point 19:

First, the incentives for the openness of the research ecosystem: the evaluation of research careers should better recognize and reward Open Science activities. Secondly, the infrastructures for an optimal use of research data: all researchers should be able to deposit, access and analyse scientific data across disciplines and at the global scale, and research data should adhere to the FAIR principles of being findable, accessible, interoperable, and reusable.
Image Credit: “Research Lifecycle” by David F. Flanders (diff.jisc), Flickr.com; distributed under a CCBY-SA 2.0 generic license.
Open science represents an approach to research that is collaborative, transparent and accessible. Open science occurs across the research process and there are many different activities that can be considered part of this evolution in science. The open science monitor tracks trends in areas that have consistent and reliable data.

Use the wheel to explore open science characteristics and indicators.
The Dakar Declaration on Open Science in Africa was prepared for and signed by the participants to the Sci-GaIA Workshop on "Promoting Open Science in Africa", to the 2nd TANDEM Workshop and to the WACREN Conference 2016, all held in Dakar in March 2016. After those events, the Sci-GaIA Consortium has decided to put the declaration on the website of the project to allow everybody sharing it to sign it online. A signatory of this petition agrees to promote and support Open Science across Africa. This international effort will help to raise the profile of African research across the world and assist African Universities and research organisations to adopt Open Science approaches and technologies. The declaration is released under the Creative Commons Attribution ShareAlike 4.0 International License and it can be cited as [doi:10.15169/sciga:1457961379.87].

Note: in order to sign the declaration, please fill the box on the right and confirm your signature clicking on the link that you will receive by email. The information provided will not be used for any purposes different from the signature of the declaration; it will not be sold, rented, leased or forwarded to any third party.
RDA 10th Plenary Meeting, 19 - 21 September 2017, Montréal, Canada | Programme | New! Recordings | Photo gallery

News

Call for Nominations for CODATA Officers (President and Vice-President(s)) and Executive Committee Members: Deadline 9 April 2018
26 October 2017
Help CODATA deliver on its strategy to mobilise the data revolution for research!

Read more

Northeast Big Data Hub Announces CRUX: The Collaborative Resource and Understanding Exchange Program
24 October 2017
The Northeast Big Data Innovation Hub (NEBDIH) has recently announced the CRUX program: a...

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RDA Events

RDA Meets Estonian Researchers, 8 November 2017, Tartu, Estonia
08 Nov 2017 - 09:00 to 13:00
Date and time: Wednesday 8.11.2017, 09:00 – 13:00 Audience: Research communities, policy makers,...

Read more

Managing Digital Research Objects in an Expanding Science Ecosystem
15 Nov 2017 - 15:00 to 23:00

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Request for comments

☑ Recommendations for implementing a Virtual Layer for Management of the Complete Life Cycle of Scientific Data
By Tobias Weigel

☑ CODATA/RDA Research Data Science Schools for Low and Middle Income Countries - Charter Statement
By Lynn Yarmey on 17 October 2017
CODATA's Mission

CODATA is the Committee on Data of the International Council for Science (ICSU). CODATA exists to promote global collaboration to improve the availability and usability of data for all areas of research. CODATA supports the principle that data produced by research and susceptible to be used for research should be as open as possible and as closed as necessary. CODATA works also to advance the interoperability and the usability of such data: research data should be intelligently open or FAIR. By promoting the policy, technological and cultural changes that are essential to make research data more widely available and more usable, CODATA helps advance ICSU’s mission of strengthening international science for the benefit of society.

The CODATA Strategic Plan 2015 and Prospectus of Strategy and Achievement 2016 identify three priority areas:

1. promoting principles, policies and practices for Open Data and Open Science;
2. advancing the frontiers of data science;
3. building capacity for Open Science by improving data skills and the functions of national science systems needed to support open data.

CODATA achieves these objectives through a number of standing committees and strategic executive led initiatives, and through its Task Groups and Working Groups. CODATA supports the Data Science
Initiative for Open Citations

The Initiative for Open Citations (I4OC) is a collaboration between scholarly publishers, researchers, and other interested parties to promote the unrestricted availability of scholarly citation data.

About

Citations are the links that knit together our scientific and cultural knowledge. They are primary data that provide both provenance and an explanation for how we know facts. They allow us to attribute and credit scientific contributions, and they enable the evaluation of research and its impacts. In sum, citations are the most important vehicle for the discovery, dissemination, and evaluation of all scholarly knowledge.

As the number of scholarly publications is estimated to double every nine years, citations – and the computational systems that track them – enable researchers and the public to keep abreast of significant developments in any
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Thank you!

@CarolineSutton
Caroline.Sutton@informa.com