Innovations in Publishing: collaborative approaches & open data
A brief biography

- Ex-OA publisher and launcher of mega journals at Nature and Elsevier
- Now at Digital Science
- Believer in open science and its many benefits
“Open Science represents a new approach to the scientific process based on cooperative work and new ways of diffusing knowledge by using digital technologies and new collaborative tools”
“We have a vision... of a future where a trusted, frictionless, collaborative research ecosystem drives progress for all”
Let’s break it down

- About more than just open access publications
- A framework for being collaborative, for sharing, and enabling easier advancement of science
- Thinking about all of the units & output of research
The State of Open Data

Digital Science Report
The State of Open Data
A selection of analyses and articles about open data, curated by Figshare
Foreword by Professor Sir Nigel Shadbolt
OCTOBER 2016

Treadway, Jon; Hahnel, Mark; Leonelli, Sabina; Penny, Dan; Groenewegen, David; Miyairi, Nobuko; Hayashi, Kazuhiro; O’Donnell, Daniel; Science, Digital; Hook, Daniel (2016): The State of Open Data Report. figshare. https://dx.doi.org/10.6084/m9.figshare.4036198.v1
The Open Data Survey and Results

- I value a data citation the same amount as I value a citation to an article: 68%
- I do not value data citations at all: 2%
- I do not value data citations very highly: 20%
- I value a data citation more than I value a citation to an article: 10%
Awareness of open data
What motivates researchers to share?
The expanding data universe
## Open Science at DS

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<th>FigShare</th>
<th>Altmetric</th>
<th>Dimensions</th>
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<td>Enabling researchers to share &amp; host multiple types of data, to aid openness in research</td>
<td>Providing visibility on the impact of research output - not just the article</td>
<td>Supporting openness by providing researchers with a free to access publication citation tool</td>
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Some of the Figshare beliefs:

- Academic research outputs should be as open as possible, as closed as necessary
- Academic research outputs should be human and machine readable/query-able
- Academic infrastructure should be interchangeable
- Academic researchers should never have to put the same information into multiple systems at the same institution
- Identifiers for everything
- The impact of research is independent of where it is published and what type of output it is
The publisher role

- Make data policies (and rationale!) explicit
- Encourage authors to make data visible and accessible, and provide the tools to enable this
- Embrace metrics/incentives that reward researchers for making research output open
- Help researchers use and embrace the skills needed to move to an open world
- Be open to new methods of publishing, sharing, collaborating and communicating
Questions?

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