Conversation in a Changing World

Helen Bray
STM Conference October 2013
Trends in the changing world of research…

- Faster change
- Dispersed innovation
- Networked endeavour & discovery
- Increasing access to data
- Entrepreneurial business
- Cooperative technology development
- Citizen science
- New communications
- Evidence-based practice
- Evolution & sometimes revolution
Resilience and reinvention

If we’re talking about science and running experiments, it’s crucial for advancing discovery that others are able to reproduce your findings in a true scientific manner.
— Gilad Lotan, Vice President R&D, SocialFlow

The quickest route to scientific advancement is creating opportunities for people to start building on top of the research that others have already done.
— Usman Haque, Director, Haque Design + Research

The more opportunity there is for people to socialize around their research projects, the more potential there is for breakthroughs. In my mind, there’s no reason why networked collaboration shouldn’t be happening on a large scale right now.
— Yasser Ansari, Founder, Project Noah
Movement towards open science

Open science
open access
open data

...supported by
open communication
What role can STM publishers play in open communication?

- Open access is part of the open science trend

- Is there a matching trend among STM publishers towards open communication?

- Discussion, collaboration, idea-generation

- Building understanding of future needs & solutions
Publishers moving towards open communication

And many more
Open communication for publishers

- Strong desire from researchers, librarians and others to join in a conversation about the future

- Wiley had a research response of 1800+ comments about future-facing discussion topics from researchers, librarians, learned societies

- Publishers can facilitate and stimulate conversation

- Multi faceted approach welcomed, web comment, social, direct, events, information papers
Open communication is having the conversations, not having all the answers.
What will revolutionize academic research?

<table>
<thead>
<tr>
<th>Topic</th>
<th>TOTAL</th>
<th>Academics</th>
<th>Librarians</th>
<th>Societies</th>
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</thead>
<tbody>
<tr>
<td>Digital tools to enable more researcher collaboration</td>
<td>55%</td>
<td>43%</td>
<td>73%</td>
<td>55%</td>
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<tr>
<td>New approaches to funding research</td>
<td>36%</td>
<td>39%</td>
<td>30%</td>
<td>38%</td>
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<tr>
<td>Digital tools to aid with research and writing</td>
<td>36%</td>
<td>36%</td>
<td>35%</td>
<td>40%</td>
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<tr>
<td>Smart’ software for sorting documents</td>
<td>34%</td>
<td>33%</td>
<td>36%</td>
<td>36%</td>
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<tr>
<td>Automated tools to evaluate strength of work, identify experts</td>
<td>28%</td>
<td>21%</td>
<td>40%</td>
<td>27%</td>
</tr>
</tbody>
</table>

Topics ordered high to low according to % of times selected as topic with greatest potential to revolutionise academic research.
Base: Respondents from core survey and librarian survey (1474). Societies (240); Librarians (486); Academics (730).
Q: In your opinion, which of these trends have the greatest and least potential to revolutionise academic research? Please select a maximum of three responses for the greatest potential and three for the least.
Data reproducibility: now is the time for institutions to take greater responsibility

The fundamental requirement for ground-breaking research is its reproducibility. A finding, no matter how provocative and exciting, has no value if it cannot be replicated. There is an increasing realization that the majority of experimental reports in the biological literature lack this fundamental element and the problem may be even greater for observational studies. This...

read more  ▼  6 comments

By Glenn Begley
Chief Scientific Officer, TetraLogic Pharmaceuticals

Societies Research

The Association of the Future part 2 - views from some association executives

In our first post on this topic we told you some of our thoughts about what the association of the future might look like. Before that, John Graham, CEO of ASAE, had told us what he thinks. Now it's time to hear from some of the senior association executives who we have been talking to...

New forums focus on journal publishing trends

Twenty-three journal editors and society partners in Australia recently met for the first event in our new Wiley Forum Series, a collection of half-day information sessions being offered in Melbourne and Sydney. The topic was Open Access, one of many subjects that is rapidly changing...
Open conversations
spark change and innovation
“I need you to find a radically innovative new way to keep everything exactly the same.”
“If the rate of change on the outside exceeds the rate of change on the inside, the end is near”

Jack Welch
Chairman and CEO,
General Electric 1981-2001
Using open conversation to spark change

- Authors are colleagues and external experts
- Building a broad network of change agents
- Testing, measuring and learning
  - Reach, engagement, range of contributions
  - Hot topics, stakeholder views
  - Understanding changing needs in a changing world
  - Using what we learn
If you’d like to join the conversation

http://exchanges.wiley.com/blog

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How is your organization using communication to support resilience and reinvention? #stmfrankfurt