

Values Have No Borders

Putting Global Science at the Centre of What We Do

WILEY

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Public opinion will shape research access and application.

Public funding will drive the sustainability of the research publishing enterprise.

Technology will create a new conversation among researchers and the public.

The future of scientific and scholarly publishing isn't just open – it's **public.**

Source: Photo by Twitter user @LDMay

Open Science Pillars

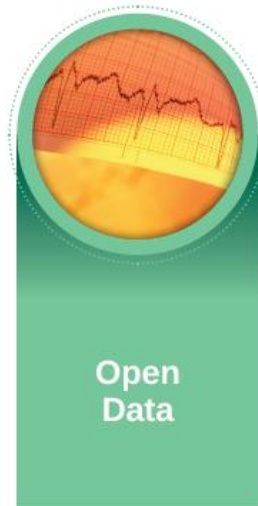


**Open
Science**

**The next era of
scholarly communication**



**Open
Access**



**Open
Data**



**Open
Standards**



**Open
Collaboration**



**Open
Recognition
& Reward**

Facilitating faster and more effective research discovery

Global Policy Coordination

- **OECD Science and Technology Ministerial Declaration, Daejeon Korea – October 2015** <http://www.oecd.org/sti/daejeon-declaration-2015.htm>

“We. . .AGREE that science, technology and innovation are being revolutionized by the rapid evolution of digital technologies which are...increasing the reliance on access to scientific data and publications (‘open science’)...”

- **G7 Science and Technology Ministers Communique, Tsukuba, Japan, May 2016** <http://www8.cao.go.jp/cstp/english/others/20160517communique.pdf>

“...we acknowledged that Open Science can change the way research and development (R&D) is undertaken, with emerging findings leading to far greater global collaboration and encouraging a much broader range of participants and stakeholders. We also recognized the importance of Open Science as a driver for greater inclusion in R&D, for example with the emergence of citizen science.”

- **G20 Leaders’ Communique, Hangzhou Summit (China), September 2016** http://www.g20.org/English/Dynamic/201609/t20160906_3396.html

“...we support appropriate efforts to promote open science and facilitate appropriate access to publicly funded research results on findable, accessible, interoperable and reusable (FAIR) principles.”

Next Meeting: Late Summer/Fall 2017 in Italy

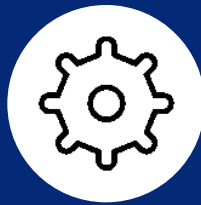
In the process, the system is becoming increasingly **complex**.



Increased
globalization



Technology
innovation



Shifting
funding models



Heightened
legislation



Evolving
expectations

Increasing **globalization**



Research output “power dynamic” moves east.

Researcher collaboration transcends borders.

Access to research information is enabled worldwide.



Technology innovation

Big Data and artificial intelligence

Personalization and precision information

Social and collaborative technology

Cybersecurity

Shifting funding **models**

Modest growth in library funding

Strong growth in Open Access

Government-funded hybrid models

Pressure to demonstrate ROI



Heightened **legislation**



Research strategy and investment levels
Funder and government mandates
Copyright and piracy

Evolving **expectations**



The authoring experience

Seamless access

Models that suit purchasing patterns

Emerging (sometimes legal) alternatives



Managing this
complexity will
require us to...

Simplify where we can
Invest where we should
Communicate as broadly as possible

Where can we
simplify?

Content workflow
Partnership agreements
Distribution



Where will we **invest?**

Delivery platform

Author experience

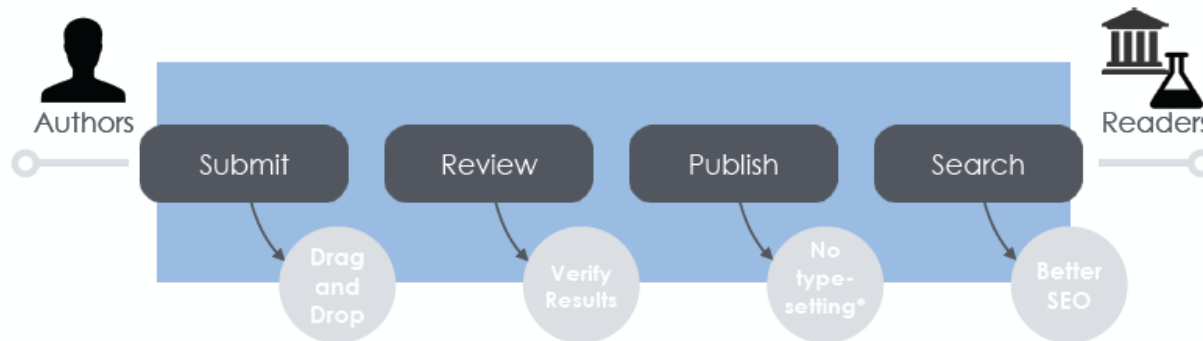
Marketing and sales

Partnerships

Digital First Publishing



VS



Unleashing the Web

For Users

- Integration of data, multimedia, and more vs. “flat” PDF files
- Accessible to more devices
- Automated topic browse & related articles
- One content workflow will result in fewer errors

For Science

- Better contextual information through tagging enables richer outputs like:
 - More informative Google search results that include rich snippets
 - Better support for text & data mining
 - Smarter derivative works
- Access to more of the research means better decisions for future researchers
- HTML is an open, standard format
 - Big impacts in the future, now is the time to adopt



Why should we **communicate?**

Advocate for research as a public good

**Reinforce the integrity of research
communications**

Open up the process to the public

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Science and Truth
Researcher at Center
New partnerships