



## Opening Science

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The Evolving Guide on How the Web is Changing Research, Collaboration and Scholarly Publishing  
Bartling, Soenke; Friesike, Sascha (Eds.)

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### About this book

- Closes the gap between those who are online already and who are not
- Provides with the status-quo and a glimpse at future developments
- Provides an overview of web 2.0 tools for scientists with concrete how-to's
- Introduces the concept of open science

Modern information and communication technologies, together with a cultural upheaval within the research community, have profoundly changed research in nearly every aspect. Ranging from sharing and discussing ideas in social networks for scientists to new collaborative environments and novel publication formats, knowledge creation and dissemination as we know it is experiencing a vigorous shift towards increased transparency, collaboration and accessibility. Many assume that research workflows will change more in the next 20 years than they have in the last 200. This book provides researchers, decision makers, and other scientific stakeholders with a snapshot of the basics, the tools, and the underlying visions that drive the current scientific (r)evolution, often called 'Open Science.'

### Content Level » Research

**Keywords »** Collaborative work - Creative commons - Dynamic publication formats - Open data - Open source science - Scientific intellectual property - Scientific micro blogging - Scientific wiki - Social networking platforms - Web 2.0 and interoperability

### Related subjects » Engineering - General Issues

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