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Nota di contenuto	Towards Another Scientific Revolution -- Open Science: One Term, Five Schools of Thought -- Excellence by Nonsense: The Competition for Publications in Modern Science -- Science Caught Flat-footed: How Academia Struggles with Open Science Communication -- Open Science and the Three Cultures: Expanding Open Science to All Domains of Knowledge Creation -- (Micro)blogging Science? Notes on Potentials and Constraints of New Forms of Scholarly Communication -- Academia Goes Facebook? The Potential of Social Network Sites in the Scholarly Realm -- Reference Management -- Open Access: A State of the Art -- Novel Scholarly Journal Concepts -- The Public Knowledge Project: Open Source Tools for Open Access to Scholarly Communication -- Altmetrics and Other Novel Measures for Scientific Impact -- Dynamic Publication Formats and Collaborative Authoring -- Open Research Data -- Intellectual Property and Computational Science -- Research Funding in Science 2.0 -- Open Innovation and

Crowdsourcing in the Sciences -- The Social Factor in Open Science -- Case: Creative Commons -- Case: Collaborative Authoring using Google Documents and Cloud Software -- Case: Unique Identity for a Researcher -- Case: Challenges in Open Data in Medical Research -- Case: On the Sociology of Science 2.0 -- Case: How This Book Was Created Using Collaborative Text Editing -- Case: History 2.0 -- Case: Making Data Citeable: Datacite.

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## Sommario/riassunto

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.'

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