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Nota di contenuto	Contents; Preface; 1 - Prospects for Knowledge Policy; 2 - Optimizing the Use of Knowledge; 3 - OECD Work on Knowledge and the Knowledge Economy; 4 - Measuring Knowledge and Its Economic Effects: The Role of Official Statistics; 5 - Assessing Innovation Capacity: Fitting Strategy, Indicators, and Policy to the Right Framework; 6 - Interactive Learning, Social Capital, and Economic Performance; 7 - Social Capital, Networks, and Communities of Knowledge; 8 - Knowing Communities in Organizations; 9 - Epistemic Infrastructure in the Rise of the Knowledge Economy 10 - Universities and the Knowledge Economy 11 - The Impact of ICT on Tertiary Education: Advances and Promises; 12 - The Bayh-Dole Act of 1980 and University-Industry Technology Transfer: A Policy Model for Other Governments?; 13 - The Changing Dynamics of the Global Market for the Highly Skilled; 14 - Knowledge in Space: What Hope for the Poor Parts of the Globe?; 15 - Democratizing Innovation: The Evolving Phenomenon of User Innovation; 16 - Innovation, Experimentation, and Technological Change; 17 - Knowledge,

Platforms, and the Division of Labor

18 - Between "Knowledge" and "The Economy": Notes on the Scientific Study of Designs 19 - Patent Quantity and Quality: Trends and Policy Implications; 20 - Blurred Boundaries: Tensions Between Open Scientific Resources and Commercial Exploitation of Knowledge in Biomedical Research; 21 - The Economics of Technology Sharing: Open Source and Beyond; 22 - "Open and Collaborative" Biomedical Research: Theory and Evidence; 23 - Critical Tensions in the Evolution of Open Source Software 24 - Toward a Cyber infrastructure for Enhanced Scientific Collaboration: Providing Its "Soft" Foundations May Be the Hardest Part 25 - Cyber infrastructure-in-the-Making: Can We Get There from Here?; Contributors and Affiliations; Index

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Sommario/riassunto

The revolution in information technology transforms not only information and its uses but, more important, knowledge and the ways we generate and manage it. Knowledge is now seen as input, output, and capital, even if imperfectly accounted for or understood. Many businesses and public agencies are convinced that knowledge can be managed in sophisticated, rational ways and that networking and information technology are essential tools for doing so. In this collection, experts from North America and Europe look at the transformation of knowledge in the global economy in light of the rapid changes in information technology, the resulting explosion of data, the recognition of intangibles as sources of value and liability, and the increasingly blurred distinction between private and public knowledge. The appeal of the Internet as boundary-spanning knowledge infrastructure, bridging all sectors of the economy, is shadowed by another infrastructure of rights-based contracts, practices, and institutions. The contributors address the ways in which the processes for creating and organizing knowledge interact with information technology, business strategy, and changing social and economic conditions. They discuss the balkanization that results from the complexity of the knowledge economy, the variety of knowledge resources, the great diversity of institutional and market contexts, and competing models of control and cooperation--and of proprietary and non-proprietary knowledge. Contributors Berglind Asgeirsdottir, Carliss Y. Baldwin, Kim B. Clark, Iain M. Cockburn, Patrick Cohendet, Robin Cowan, Paul A. David, Jan Fagerberg, Brian Fitzgerald, Dominique Foray, Peter A. Freeman, Fred Gault, Dietmar Harhoff, Margaret Hedstrom, C. Suzanne Iacono, Brian Kahin, John Leslie King, Kurt Larsen, Josh Lerner, Bengt-Ake Lundvall, David C. Mowery, Arti K. Rai, Bhaven Sampat, Martin Schaaper, Tom Schuller, W. Edward Steinmueller, Stefan Thomke, Jean Tirole, Reinhilde Veugelers, Stephan Vincent-Lancrin, Eric von Hippel, Andrew Wyckoff

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