

1. Record Nr.	UNINA9910337821303321
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Titolo	Smart Quintuple Helix Innovation Systems : How Social Ecology and Environmental Protection are Driving Innovation, Sustainable Development and Economic Growth // by Elias G. Carayannis, David F. J. Campbell
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-01517-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (71 pages)
Collana	SpringerBriefs in Business, , 2191-5482
Disciplina	338.927
Soggetti	Management Industrial management Industrial management—Environmental aspects Knowledge management Environmental management Innovation/Technology Management Sustainability Management Knowledge Management Environmental Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter1. Introduction -- Chapter2. Definition of Key Terms: Knowledge, Knowledge Production, Innovation, Democracy, and Governance -- Chapter3. Mode 1, Mode 2 and Mode 3: Triple Helix and Quadruple Helix -- Chapter4. Sustainable Development, Social Ecology and the Quintuple Helix -- Chapter5. Innovation Systems in Conceptual Evolution: Mode 3 Knowledge Production in Quadruple and Quintuple Helix Innovation Systems -- Chapter6. Conclusion: Smart Quintuple Helix Innovation Systems.-.
Sommario/riassunto	This volume examines the relationships among social ecology, innovation, sustainable development and economic growth. Using the principles of Quintuple Helix innovation system, the authors argue that social ecology and environmental management are supporters and

drivers of innovation, sustainable development and economic growth. The Quintuple Helix innovation model focuses on the interactions among five key elements of society: academia, industry, government, culture, and the environment--with particular respect to harnessing knowledge to promote social, political, and economic development. The Quintuple Helix is a powerful theoretical and practical lens for analyzing and understanding such critical and complex ecological and socioeconomic issues as global warming and climate change and their implications for sustainability. The authors provide policy approaches and strategies to help create a balance among the often competing forces of environmental protection, innovation, entrepreneurship, and social and economic growth that will successfully benefit society and protect democratic values.
