

1. Record Nr.	UNINA9910957960903321
Autore	Pereira Angela Guimaraes
Titolo	Interfaces between Science and Society / / Angela Guimaraes Pereira
Pubbl/distr/stampa	London : , : Taylor and Francis, , 2017
ISBN	1-351-28042-2 1-351-28043-0 1-351-28044-9 1-909493-67-8
Edizione	[First edition.]
Descrizione fisica	1 online resource (369 p.)
Classificazione	02.10
Altri autori (Persone)	TognettiSylvia VazSofia Guedes
Disciplina	303.483
Soggetti	Science - Social aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. Communicating among plural perspectives -- pt. II. Managing uncertainty, complexity and value commitments -- pt. III. Knowledge assessment -- pt. IV. Transparency, openness and participation in science policy processes -- pt. V. Community-based research -- pt. VI. Emerging styles of governance and new ICT.
Sommario/riassunto	"The project of science has been to provide answers to questions about the world and how it works. Often, this lofty role has been characterised by a narrow and dogmatic scientific training, an unwillingness to communicate to differing stakeholder needs, a refusal to accept and to manage uncertainty, complexity and value commitments, and the reduction of knowledge assessment to colleague peer review on narrowly technical issues. Times have changed. As the world faces increasingly disparate challenges, science is subjected to increasingly vehement demands from a society calling for transparency, openness and public participation in science policy. Science is going through an evolutionary process. Perhaps the most painful process it has ever encountered. Research on the interfaces between science and society is a burgeoning area. A new conception of knowledge now appears to be emerging, based on the awareness of complexity, uncertainty and a plurality of legitimate perspectives and interests.

Democracy is extending into the previously quite exclusive scientific realm, and science must now submit to public scrutiny and participation in the governance of knowledge. This book provides much-needed reflections on the methods and tools for knowledge quality assurance, particularly on its inputs to extended policy and decision-making processes. The overall aim is to improve the relationship between science and society. The discussion involves six themes: communicating between plural perspectives; accepting and learning how to manage uncertainty, complexity and value commitments; acknowledging new conceptions of knowledge; implementing transparency, openness and participation in science policy; valuing community-based research; and exploring how new ICT can support inclusive governance. Taken together, these themes provide both a framework and vision on how to conceive, discuss and evaluate the changes that are occurring. The chapters cover theory, practice, approaches, experiences, ideas and suggestions for a move beyond "talking the talk" to "walking the walk". Science and policy interfaces are dynamic processes needing to permanently redefine themselves and their roles. This book contributes to the enrichment and deepening of our understanding of these important new trends in the social relations of science, which are fundamental to our understanding of the prospects for further progress. The book will be essential reading for scientists, policy-makers, managers and the public."--Provided by publisher.

---