

1. Record Nr.	UNINA9910640399003321
Titolo	Technology assessment in a globalized world : facing the challenges of transnational technology governance // edited by Leonhard Hennen, Julia Hahn, Miltos Ladikas, Ralf Lindner, Walter Peissl, Rinie van Est
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-10617-2
Edizione	[1st ed. 2023.]
Descrizione fisica	1 electronic resource (xiii, 271 pages) : illustrations (some color)
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Disciplina	320.4
Soggetti	Technology assessment Globalization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Tracing Technology Assessment Internationally – TA Activities in 12 Countries Across the Globe -- Technology Assessment in a Multilateral Science, Technology and Innovation System -- Globalisation as reflexive modernisation – Implications for S&T governance -- Technology Assessment and public spheres in the context of globalization – A blueprint for the future -- Technology assessment in developing countries: The case of India – Examples of governmental and informal TA -- Climate change – Does the IPCC model provide the foundation for a potential global Technology Assessment framework? -- Challenges of global TA in biotechnology – Bringing clarity and better understanding in fragmented global governance -- Artificial Intelligence –A new knowledge and decision-making paradigm? -- Global systems resilience and pandemic disease – A challenge for S&T governance -- The shape of global Technology Assessment.
Sommario/riassunto	This open access book explores the relevance of the concept of

technology assessment (TA) on an international and global level. Technologies play a key role in addressing global challenges such as climate change, population aging, digitization, and health. At the same time, their use increases the need for coordinated action and governance at the global level in the field of science, technology and innovation (STI). Featuring case studies on STI fields such as energy, biotechnology, artificial intelligence, and health technology, as well as TA activities at the national and international levels, this book reflects on the challenges and opportunities of global technology governance. It also provides an in-depth discussion of current governmental STI cultures and systems, societal expectations, and the policy priorities needed to achieve coordinated and effective STI intervention in policymaking and public debate at the global level. Lastly, the book promotes the establishment of a forum for a truly global dialogue of TA practitioners, fostering the articulation of their needs, knowledge and perspectives.
