

1. Record Nr.	UNINA9910556875403321
Titolo	Bioeconomy and Sustainability : Perspectives from Natural and Social Sciences, Economics and Ethics // edited by Dirk Lanzerath, Ulrich Schurr, Christina Pinsdorf, Mandy Stake
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-87402-8
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (366 pages)
Disciplina	333.95
Soggetti	Bioethics Biology Biotechnology Welfare economics Biological Sciences Social Economy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	PART I. Introduction and Overview -- Introduction: Bioeconomy and Sustainability -- PART II. Energy and Land Use -- "Global Shifting Agriculture" and Bioeconomy: Challenges for the Sustainable Use of Global Land Resources -- Sustainable Resources: From Plants to Products -- PART III. Nutrition and Food Ethics -- Food as a Moral Problem -- Bioeconomy and Food Security -- Acceptance of Insects and In Vitro Meat as a Sustainable Meat Substitute in Germany: In Search of the Decisive Nutritional-Psychological Factors -- PART IV. Technology and Governance -- Characteristics of Innovation in Bioeconomy -- Spatial Implications of the Leitmotif Shift from Biotechnology to Bioeconomy -- Problem Structures of Bioenergy Policy in the Power and Heat Sector in Germany -- The Bioeconomy Transformation in the German Rheinische Revier: Stakeholders and Discourses in Media Coverage -- PART V. Regulation and Economics -- Bioeconomy and Genome Editing: A Comparison Between Germany and the Netherlands -- Monitoring and Measuring Bioeconomy -- Resource

Sufficiency in a Sustainable Bioeconomy: A Predator-Prey Perspective -- Agriculture in the Bioeconomy: Economics and Policies -- PART VI. Normativity and Ethics -- Bioeconomy and Ethics -- Bioeconomy from the Perspective of Environmental Ethics -- Conditions for an Ethically Responsible and Sustainable Bioeconomy Based on Hans Jonas' Ethics of Responsibility -- Bioeconomy as a Normative Concept of Resilience: Challenges and Opportunities -- PART VII. Conclusions and Outlook -- Bioeconomy: Challenges and Conflicts from an Interdisciplinary Perspective -- Bioeconomy Beneath and Beyond: Persisting Challenges from a Philosophical and Ethical Perspective.

Sommario/riassunto

In this edited volume, scientists from different disciplines discuss modern biotechnological processes and a knowledge-based bioeconomy. The authors base their arguments on ecological, economic, legal, social and ethical aspects. Moreover, they explore the opportunities, risks, and challenges of bioeconomic concepts and biotechnologies in many subject areas. The chapters consider land use, nature and environment, nutrition, technology and governance, energy, economy, law and regulation, as well as ethics. A special focus should be on new technologies and how they can be used, without compromising the ambitious goal of creating a more sustainable, but also fair world. To do justice to this broad array of topics, the editors frame all topics in overarching introductions and close the volume with final conclusions. Thereby this volume offers data and critical thoughts for any member of a Bioeconomy – be it from academia, the industry or public regulation.
