Record Nr. UNINA9910511449403321 Technology and innovation for sustainable development / / edited by **Titolo** Rob Vos and Diana Alarcon Pubbl/distr/stampa London, England:,: Bloomsbury Academic,, [2016] ©2016 **ISBN** 1-4725-8077-X 1-4725-8079-6 1-4725-8078-8 Descrizione fisica 1 online resource (233 p.) Collana The United Nations Series on Development Disciplina 338.927 Sustainable development - Technological innovations Soggetti Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Preface -- About the Editors -- About the Contributors -- 1. Introduction: the imperative of sustainable development / Diana Alarcon and Rob Vos -- 2.A new philosophical approach to social transformation for a "Green Economy" / Tim Jackson -- 3. Historical characteristics and scenario analysis of technological change in the energy system / Charles Wilson and Arnulf Grubler -- 4. Clean energy for sustainable development / Richard Alexander Roehl -- 5.Investment and macroeconomic challenges of sustainable development / Marco Sanchez-Cantillo and Eduardo Zepeda -- 6. Key determinants of technological capabilities for a "Green Economy" in emerging economies / Xiaolan Fu and Jun Hou -- 7. How to feed the world and save the planet / Diana Alarcon and Christina Bodouroglou -- Index. Sommario/riassunto "Continuation along current development pathways is not sustainable. Available technology and production practices and the consumption patterns of modern societies are leading to global warming and ecological destruction. Business as usual is not an option. There is an urgent need to find a new development paradigm that ensures environmental sustainability while managing to provide, now and in the future, a decent livelihood for all of humankind. In Technology and

Innovation for Sustainable Development, experts in the area provide a variety of insights about the technical transformation needed for sustainable development. It spells out the behavioural and policy changes that would need to accompany the next technological transformation, taking into account the complexity of inducing technological change in the energy and agricultural sectors. The assessment suggests that this will require major, but doable improvements in national innovation systems and major, but affordable shifts in investment patterns and related macroeconomic adjustments." --Bloomsbury Publishing.