

Forthcoming Open Access Book from Routledge

Sustainable Development and Resource Productivity

The Nexus Approaches

Edited by **Harry Lehmann**

Series: Factor X: Studies in Sustainable Natural Resource Management

Describing and analysing the necessities for a more resource efficient world, this book explores the interdependencies of sustainable development paths and associated resource requirements.

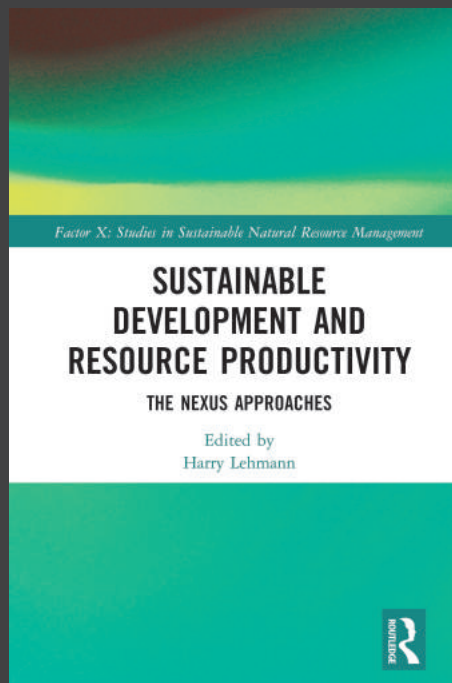
The use of and competition for increasingly scarce resources are growing worldwide with current production and consumption patterns of industrialized economies soon to reach the point where the ecosphere will be overtaxed far beyond its limits. Against this background, this volume examines the important initiatives to monitor resource use at the international, EU and national level. The current trends and challenges related to sustainable resource use are discussed, including international challenges for a resource efficient world, megatrends, justice and equitable access to resources. In the second part of the book, contributions examine implementation strategies. They assess the concept known as circular economy and discuss the theory of growth and the role of the financial and education systems. The final section places special emphasis on practical examples. Overall, the book presents concrete ways and examples of achieving more sustainability in practice.

Discussing solutions for a more sustainable use of natural resources, this book is essential reading for scholars and students of natural resources and sustainable development and decision-makers and experts from the fields of policy development, industry and civil society

About the Series:

Factor X: Studies in Sustainable Natural Resource Management promotes good and best practices to enable significant savings in natural resource use and ways to improve resource efficiency. In collaboration with the German Environmental Agency (Umweltbundesamt, UBA), and contributions from leading names in policy and academia, this book series proposes innovative strategies for implementing the 'Factor X' concept in order to build a more resource efficient world. The German Environmental Agency

(Umweltbundesamt, UBA) is Germany's main environmental protection agency. Its mission is the early detection of environmental risks and threats, to assess these risks and threats and find viable solutions in a timely manner. The UBA conducts research in its own labs and collaborates with scientific institutions across the globe. The UBA is the German point of contact for numerous international organizations such as the WHO.



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About the Editor:

Since 2004, physicist Dr. Harry Lehmann is head of the division "Environmental Planning and Sustainability Strategies" of the German Federal Environment Agency. After working in the field of fundamental research in physics, he founded and owned 1984 the Engineering Consultancy "UHL Data" for systems analysis and simulation in the field of energy and environment. From 1990 until 1999 he was at the Wuppertal Institute for Climate, Environment and Energy. Then he founded and was Director of the Institute for Sustainable Solutions and Innovations, at that time he was also Director of Greenpeace International "Solutions Unit". He was since 1992 member of the Factor 10 Club for resource productivity and sustainable use of natural resources and is now the president of it. He is one of the founders of Eurosolar and was there the vice president from 2000 to 2006. Since 2014, he is a Board Member of the World Resources Association (WRA). Since 1985, Harry Lehmann has been lecturer - amongst others - at the University of Luneburg.



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