



Attila Kerényi, Richard William McIntosh

# Sustainable Development in Changing Complex Earth Systems

Series: Sustainable Development Goals Series

- Discusses the complex effects of human activities on the earth system
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- Evaluates the necessary changes for sustainable development in a global society

This book applies system theory to analyze the operation and structure of the complex earth surface system, including the interactions between society and nature that cause environmental degradation and threats to human populations. The possible ways to harmonize the operation of a global society as a complex system using the United Nation sustainable development goals are investigated, as well as the major efforts currently implemented to achieve this objective and why many are unsuccessful. Readers will learn this material through case studies that assess the essential conditions required to occupy a planet sustainably, and examine the complex interactions between society and nature in the atmosphere, hydrosphere, biosphere, and outer layers of the lithosphere. The book is written for undergraduate students in geography, earth sciences, environmental sciences, and ecology, and will also appeal to environmental agency employees, nature protection representatives, teachers, and researchers.

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