

Research Directions, Challenges and Achievements of Modern Geography

This book identifies and discusses research directions, challenges and achievements in contemporary geography. It also documents the most current theoretical and methodological considerations undertaken by scientists representing various sub-disciplines of geography with particular reference to human geography. It was assumed that the thematic structure of the currently active International Geographical Union (IGU) problem commissions corresponds to the most relevant and current research directions in geography. Reflecting this assumption, the book consists of 14 chapters contributed by geographers representing 14 problem commissions of the IGU, which allows us to examine geography from different perspectives and to provide the reader with a complete overview of contemporary research issues in human geography.

The first part discusses contemporary research problems and issues related to scientific methodology and achievements of selected geographical sub-disciplines, including urban geography, agricultural geography, transport geography, and political geography, among others. The second part focuses on the interdisciplinarity of geography and the topics of global dimension undertaken by geographers such as global change, GIS and geospatial technology, marginalization, and environmental change. This part also discusses the internal relations between geographical specializations and their links with other related sciences, including geology, sociology, and economics. The third part discusses the holistic approaches of geography applied to particular regions, territories, or conditions (Africa, costal systems, geomorphology and local development).

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