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GEOGRAPHY - Volume II Feb 23 2023 Geography is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Geographical perceptions can be traced from very ancient cultures, although geography as a science started its development during the eighteen century, it was firmly established after the Darwinian revolution and many of its fundamentals appeared during the nineteenth century. The history of geography is closely connected with the history of human society Geography embraces both the physical and human worlds, and aims to bridge natural and human sciences. For a geographer, although the environment and its conservation is a crucial item, it is also fundamentally concerned with the living standards of humankind. Although its wide embrace may be seen as a weakness, diversification is also strength and an attraction. Approaches are multidisciplinary, exploring the complex linkages between the cultural and the natural. These favor cross-cultural communication and mutual understanding at a global scale. There is a geographical basis to most of the outstanding political problems, and geographical reasons to explain them. The subject matter of the geography theme is presented

basically on how the subject matter is taught presently at the universities, and following the many paths its practitioners are following in doing research. It introduces modern subject matters and goes much further than a simple description of places and travels. The theme has been divided into four main topics: Foundations, Physical Geography, Human Geography, and Technical matters. The scope of the foundation topic is to present an overview of the basis of the geographical field, its scope, history, methods, and its importance in education. The chapters included are Main Stages of the Development, Theory and Methods, and Geographical Education. The Physical Geography topic includes the historical background of the geographical study of the Earth natural environment, and the main fields cultivated by geographers. It consists of eight chapters on basic research fields, which are Geomorphology, Climatology, Hydrology, Biogeography, Soil Geography, Coastal Systems, Ocean Geography, Mountain Geoecology, and two chapters on environmental issues: Natural Hazards and Land Degradation and Desertification. In the Human Geography topic six chapters discuss the more current fields, that is: Population, Cultural and Social, Agricultural and Rural, Industries and Transport, Economic Activities and Urban Geography. Three chapters present subjects developed more recently: Medical, Political and Tourism geographies. Finally, the Regional approach is presented as the most traditional and integrative field. These volumes are aimed at the following five major target

audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY -Volume II Aug 25 2020 History and Philosophy of Science and Technology is a component of Encyclopedia of Physical Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on History and Philosophy of Science and Technology in four volumes covers several topics such as: Introduction to the Philosophy of Science; The Nature and Structure of Scientific Theories Natural Science; A Short History of Molecular Biology; The Structure of the Darwinian Argument In The Origin of Species; History of Measurement Theory; Episodes of XX Century Cosmology: A Historical Approach; Philosophy of Economics; Social Sciences: Historical And Philosophical Overview of Methods And Goals; Introduction to Ethics of Science and Technology; The Ethics of Science and Technology; The Control of Nature and the Origins of The Dichotomy Between Fact And Value; Science and Empires: The Geo-Epistemic Location of Knowledge; Science and Religion; Scientific Knowledge and Religious Knowledge - Significant Epistemological Reference Points; Thing Called Philosophy of Technology; Transitions from Function-Oriented To Effect-Oriented Technologies. Some Thought on

the Nature of Modern Technology; Technical Agency and Sources of Technological Pessimism These four volumes are aimed at a broad spectrum of audiences: University and College Students, Educators and Research Personnel

ADVANCED GEOGRAPHIC INFORMATION SYSTEMS -Volume II Oct 07 2021 Advanced Geographic Information Systems is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The content of the Theme on Advanced Geographic Information Systems is organized with state-of-the-art presentations covering the following aspects of the subject: Spatio-Temporal Information Systems; Interacting with GIS - From Paper Cartography to Virtual Environments; Spatial Data Management: Topic Overview; Introduction to Spatial Decision Support Systems; GIS Interoperability, from Problems to Solutions. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Geography Dec 21 2022

Mathematical Models in Economics - Volume I Mar 20 2020 Mathematical Models in Economics is a component of Encyclopedia of Mathematical Sciences in which is part of the global Encyclopedia of Life Support Systems (EOLSS), an integrated compendium of twenty one Encyclopedias. This

theme is organized into several different topics and introduces the applications of mathematics to economics. Mathematical economics has experienced rapid growth, generating many new academic fields associated with the development of mathematical theory and computer. Mathematics is the backbone of modern economics. It plays a basic role in creating ideas, constructing new theories, and empirically testing ideas and theories. Mathematics is now an integral part of economics. The main advances in modern economics are characterized by applying mathematics to various economic problems. Many of today's profound insights into economic problems could hardly be obtained without the help of mathematics. The concepts of equilibrium versus non-equilibrium, stability versus instability, and steady states versus chaos in the contemporary literature are difficult to explain without mathematics. The theme discusses on modern versions of some classical economic theories, taking account of balancing between significance of economic issues and mathematical techniques. These two volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

PEACE STUDIES, PUBLIC POLICY AND GLOBAL SECURITY – Volume X Jul 16 2022 Peace Studies, Public Policy and Global Security is a component of Encyclopedia of Social Sciences and Humanities in the global Encyclopedia of

Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Peace Studies, Public Policy and Global Security provides the essential aspects and a myriad of issues of great relevance to our world such as: Processes of Peace and Security; International Security, Peace, Development, and Environment; Security Threats, Challenges, Vulnerability and Risks; Sustainable Food and Water Security; World Economic Order. This 11-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on Peace studies, Public Policy and Global security. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

SOCIAL AND ECONOMIC DEVELOPMENT –
Volume III Apr 20 2020 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge

Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Handbook of Sustainability for the Food Sciences Feb 17 2020 Many books on sustainability have been written in the last decade, most of them dealing with agricultural systems, communities, and general business practices. In contrast, Handbook of Sustainability for the Food Sciences presents the concept of sustainability as it applies to the food supply chain from farm to fork but with a special emphasis on processing.

Structured in four sections, Handbook of Sustainability for the Food Sciences first covers the basic concepts of environmental sustainability and provides a detailed account of all the impacts of the food supply chain. Part two introduces the management principles of sustainability and the tools required to evaluate the environmental impacts of products and services as well as environmental claims and declarations. Part three looks at ways to alleviate food chain environmental impacts and includes chapters on air emissions, water and wastewater, solid waste, energy, packaging, and transportation. The final part summarizes the concepts presented in the book and looks at the measures that will be required in the near future to guarantee long term sustainability of the food supply chain. Handbook of Sustainability for the Food Sciences is aimed at food science professionals including food engineers, food scientists, product developers, managers, educators, and decision makers. It will also be of interest to students of food science.

Our Earth's Changing Land: A-K Dec 29 2020 Scientists predict that the environment over the next 100 years will be threatened by severe challenges--the loss of biodiversity, expected changes in world-wide climate, and decreasing amounts of arable land and potable water for an exploding human population. All of these will greatly impact how the earth will be able to support life in the future. And at the center of these global environmental changes are developments in land use. Over the last 300 years, and in

particular the last 50 years, the earth's land has been altered drastically as a result of increasing industrialization and urbanization worldwide, as well as by changes in agricultural techniques in lands under cultivation. These developments raise troubling questions about our future: How will these changes affect the sustainability of certain types of land use? How will they impinge upon critical regions, like rainforests and deserts? Will the earth be able to provide for the basic human needs of food, shelter, and water?

Mountain Geography Oct 19 2022 Mountain Geography is a comprehensive resource that gives readers an in-depth understanding of the geographical processes that occur in the world's mountains and the impact of these regions on culture and society. The volume begins with an introduction that defines mountains, followed by a comprehensive treatment of their physical geography, including origins, climatology, snow and ice, landforms and geomorphic processes, soils, vegetation, and wildlife. The concluding chapters discuss the human geography of mountains and our attitudes toward them, populations in the mountain regions and their livelihoods and interactions within dynamic environments, the diversity of mountain agriculture, and the challenges of sustainable mountain development. -- Book Jacket.

The Philosophy of Geo-Ontologies Sep 18 2022 Placed at the intersection among philosophy, geography, and computer science, the domain of investigation of applied ontology of geography ranges from making explicit assumptions and

commitments of geography as a discipline, to the theoretical and technical needs of geographical/IT tools, such as GIS and geo-ontologies. Such a domain of investigation represents the central topic of discussion of this book, which intends: 1) to provide an overview of the mutual interactions among the disciplines encompassed in the domain; 2) to discuss notions such as spatial representation, boundaries, and geographical entities that constitute the main focus of the (philosophical) ontology of geography; 3) to propose a geographical classification of geo-ontologies in response to their increasing diffusion within the contemporary debate, as well as to show what ontological categories best systematize their contents. The second edition of the book differs from the first one as it offers a broader analysis of the (philosophical) ontology of geography: an analysis that is no more limited to the theoretical need of geo-ontologies.

SOCIAL AND ECONOMIC DEVELOPMENT –

Volume I Nov 20 2022 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of

Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Research and Debate in Primary Geography May 14 2022

This book brings together recent papers which make important contributions to understanding and developing primary geography. It considers primary teachers ' and trainee teachers ' knowledge of geography; how the primary curriculum uses geography; teachers ' planning of geography

teaching; the way in which aspects of geography are taught; what high quality geography might look like; and children ' s geographical understanding and voices. Though geography curricula change quite often in countries around the world, the core matters noted above remain of constant and vital importance. The papers in this book either concern research with primary teachers and children, or consider key concerns in primary geography, providing important perspectives for thinking about future developments in geography teaching and curriculum initiatives in primary schools. This is a stimulating and enticing collection written by leading exponents of, and experts in, primary geography education. This book was originally published as a special issue of Education 3-13.

The Philosophy of Geography Apr 13 2022 The relationship between geography and philosophy is still largely in need of being explored. Geographers and philosophers share the responsibility for that. On the one hand, geographers have considered as a dangerous deviation any attempt to elaborate an image of the Earth which was not a mere replica of a cartographic representation. On the other hand, philosophers have generally been uninterested in a discipline offering little chance for critical reflection. In light of these considerations, the purpose of this book is to identify some fundamental philosophical issues involved in the reflection of geography by adopting a perspective which looks at the discipline with a specific focus on its fundamental concepts and distinctions.

GEOINFORMATICS - Volume II Aug 17 2022

Geoinformatics is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Geoinformatics is a science which develops and uses information science infrastructure to address the problems of geosciences and related branches of engineering. The content of the theme on Geoinformatics is organized with state-of-the-art presentations covering the following aspects of the subject: Sample Data and Survey; Remote Sensing and Environmental Monitoring; Statistical Analysis in the Geosciences; International Cooperation for Data Acquisition and Use, which are then expanded into multiple subtopics, each as a chapter.. These two volumes are aimed at the following five major target audiences: University and College Students Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers and NGOs.

SOCIAL AND ECONOMIC DEVELOPMENT –

Volume VII Jul 04 2021 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary

Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Our Earth's Changing Land: L-Y Oct 27 2020 Scientists predict that the environment over the next 100 years will be threatened by severe challenges--the loss of biodiversity, expected changes in world-wide climate, and decreasing

amounts of arable land and potable water for an exploding human population. All of these will greatly impact how the earth will be able to support life in the future. And at the center of these global environmental changes are developments in land use. Over the last 300 years, and in particular the last 50 years, the earth's land has been altered drastically as a result of increasing industrialization and urbanization worldwide, as well as by changes in agricultural techniques in lands under cultivation. These developments raise troubling questions about our future: How will these changes affect the sustainability of certain types of land use? How will they impinge upon critical regions, like rainforests and deserts? Will the earth be able to provide for the basic human needs of food, shelter, and water?

Soils and Human Health Jan 18 2020 Despite the connections between soils and human health, there has not been a great amount of attention focused on this area when compared to many other fields of scientific and medical study. Soils and Human Health brings together authors from diverse fields with an interest in soils and human health, including soil science, geology, geography, bio

Natural Disasters - Volume I Feb 28 2021 Natural Disasters theme in two volumes is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Natural hazards arise unexpectedly, without any discernible regularity, and

leave an indelible trace in nature, sometimes for many decades to come. At present they are appreciably complicated by anthropogenic influence, lending them an adverse and often catastrophic character. The susceptibility of a society to the impact of natural disasters is conditioned by the natural environment, and the vulnerability of the society to such phenomena is historically associated with the type of the nature management. Natural disasters can be of geological and hydrometeorological origin; the specific group of such phenomena is presented by natural disasters in mountains. This volume deals with the natural disaster and covers several topics, with a myriad of issues of great relevance to our world such as: Geological Catastrophes; Climate-Related Hazards; Mountain Disasters and Snow Avalanches, which are then expanded into multiple subtopics, each as a chapter. These two volumes are aimed at the following five major target audiences: University and College Students Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers, NGOs and GOs.

Higher Education and Sustainable Development Sep 25 2020 Responding to the global and unprecedented challenge of capacity building for twenty-first century life, this book is a practical guide for tertiary education institutions to quickly and effectively renew the curriculum towards education for sustainable development. The book begins by exploring why curriculum change has been so slow. It then describes a model for rapid curriculum renewal, highlighting the important roles

of setting timeframes, formal and informal leadership, and key components and action strategies. The second part of the book provides detailed coverage of six core elements that have been trialled and peer reviewed by institutions around the world: raising awareness among staff and students mapping graduate attributes auditing the curriculum developing niche degrees, flagship courses and fully integrated programs engaging and catalysing community and student markets integrating curriculum with green campus operations. With input from more than seventy academics and grounded in engineering education experiences, this book will provide academic staff with tools and insights to rapidly align program offerings with the needs of present and future generations of students.

Schooling for Sustainable Development in Chinese Communities Jun 22 2020 This book focuses on the academic foundations, trends and traditions of environmental education for sustainable development principally in Chinese contexts. It highlights contexts and case studies that illuminate recent Chinese initiatives. It includes case studies of green schools and reports on recent initiatives in school-based ESD curriculum development programmes in China, Hong Kong, Macao and Taiwan. The book concludes with an overview chapter that points to likely future developments. The assumption underpinning the book is that experiences gained in such a major country as China will be of real interest to geographical and environmental educationists, professional educators and teachers elsewhere. Not only will it generate interest and

create greater awareness but also it is hoped that these experiences will provide a platform for scholarly exchange and contribute insights on education policy and curriculum changes across Asian-Pacific communities in an increasingly globalised world.

Transportation Engineering and Planning - Volume I Oct 15 2019 Transportation Engineering and Planning is a component of Encyclopedia of Physical Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Transportation Engineering and Planning presents the readers with diverse sources of information and knowledge about transportation engineering and planning, to help ensure that informed actions are compatible with sustainable world development. It begins with a historical analysis of transportation development, since an understanding of how transportation technologies developed is a prerequisite for understanding issues involved in transportation systems, and for developing sound policy analysis. Next, the various chapters analyze transportation problems, discusses the state of public policy addressing those problems, considers the causes and effects of changes in demand for mobility as the socio-economic environment changes, and then deals with the fundamental questions related to transportation. These two volumes are aimed at the following a wide spectrum of audiences from the merely curious to those seeking in-depth

knowledge: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Principles of Geographical Information Systems Apr 01 2021 Geographical data are used in so many aspects of our lives today, from disaster relief operations to finding directions on our cellphones. Geographical Information Systems (GIS) are the software tools that turn raw data into useful information that can help us understand our world better. Principles of Geographical Information Systems presents a strong theoretical basis for GIS-often lacking in other texts-and an account of its practice. Through real-world examples, this text clearly explains the importance of spatial data and the information systems based upon them in solving a range of practical problems.

Analyzing and Modeling Spatial and Temporal Dynamics of Infectious Diseases Jul 24 2020 Features modern research and methodology on the spread of infectious diseases and showcases a broad range of multi-disciplinary and state-of-the-art techniques on geo-simulation, geo-visualization, remote sensing, metapopulation modeling, cloud computing, and pattern analysis Given the ongoing risk of infectious diseases worldwide, it is crucial to develop appropriate analysis methods, models, and tools to assess and predict the spread of disease and evaluate the risk. Analyzing and Modeling Spatial and Temporal Dynamics of Infectious Diseases features mathematical and spatial modeling approaches that integrate

applications from various fields such as geo-computation and simulation, spatial analytics, mathematics, statistics, epidemiology, and health policy. In addition, the book captures the latest advances in the use of geographic information system (GIS), global positioning system (GPS), and other location-based technologies in the spatial and temporal study of infectious diseases. Highlighting the current practices and methodology via various infectious disease studies, *Analyzing and Modeling Spatial and Temporal Dynamics of Infectious Diseases* features: Approaches to better use infectious disease data collected from various sources for analysis and modeling purposes Examples of disease spreading dynamics, including West Nile virus, bird flu, Lyme disease, pandemic influenza (H1N1), and schistosomiasis Modern techniques such as Smartphone use in spatio-temporal usage data, cloud computing-enabled cluster detection, and communicable disease geo-simulation based on human mobility An overview of different mathematical, statistical, spatial modeling, and geo-simulation techniques *Analyzing and Modeling Spatial and Temporal Dynamics of Infectious Diseases* is an excellent resource for researchers and scientists who use, manage, or analyze infectious disease data, need to learn various traditional and advanced analytical methods and modeling techniques, and become aware of different issues and challenges related to infectious disease modeling and simulation. The book is also a useful textbook and/or supplement for upper-undergraduate and graduate-level

courses in bioinformatics, biostatistics, public health and policy, and epidemiology.

Environmental and Geographical Education for Sustainability Jun 15 2022 Geography, environment, sustainability, culture and education standing alone or in any combination, provide the ingredients for a variety of stews. They are all difficult to define and they generate endless debates for theoreticians and practitioners about their meaning and significance. The editors have divided the chapters that follow into two parts in an effort to unit these diverse disciplines. Part 1 is concerned with cultural foundations and curriculum issues related to geographical and environmental education for sustainability. Part 2 comprises a series of chapters presenting education for sustainability in the contexts of national cultures.

Demography - Volume II Jun 03 2021 Zeng Yi is a Professor at the Center for the Study of Aging and Human Development and Geriatric Division / Dept of Medicine of Medical School, and Institute of Population Research and Dept. of Sociology, Duke University. He is also a Professor at the China Center for Economic Research, National School of Development at Peking University in China, and Distinguished Research Scholar of the Max Planck Institute for Demographic Research (MPIDR) in Germany. He received his doctoral degree from Brussels Free University in May 1986, and conducted post-doctoral study at Princeton University in 1986-87. Up to Feb. 2008, he has had 81

professional articles written in English published in academic journals or as book chapters in the United States and Europe; among them, 51 articles were published in anonymous, peer-reviewed academic journals. He has had 85 professional articles written in Chinese and published in China; among them, 55 articles were published in national top Chinese academic journals. He has published sixteen books, including five research books (as first author), such as “ Family Dynamics in China, ” published by the University of Wisconsin Press; one textbook on demographic methods (as the sole author); two volumes of demographic software and user ’ s manuals (as the first author) on family status life table analysis; six edited books (four as the chief editor, and two as the second editor), such as the 2005 and 2008 books published by Springer for which he served as the chief editor. Six of Zeng Yi ’ s published books were written in English, one was written in both Chinese and English, and the remainders were written in Chinese. Zeng Yi has been awarded more than ten national and international academic prizes, such as the Dorothy Thomas Prize of the Population Association of America, the Harold D. Lasswell Prize in Policy Science awarded by the international journal Policy Sciences and Kluwer Academic Publishers, the second-class prize for advancement of science and technology awarded by the State Sciences and Technology Commission of China, the first-class prize for advancement of science and technology awarded by the State Education Commission, and the highest academic

honor of Peking University: "Prize for Outstanding Contributions in Sciences." According to the search report, up to March 1, 2008, the internationally most important literature sources SSCI (Social Science Citation Index) and SCI (Science Citation Index), published in the U.S., indicate that Zeng Yi ' s articles and books have been cited in 755 journal articles by authors other than Zeng Yi. Among them, 440 citations refer to the work of Zeng Yi as the first author; 315 citations refer to the work of Zeng Yi as a co-author. Zeng Yi is one of the authors of " High Impact Papers " worldwide in the period of 1981 -1998, as announced by International Scientific Institute (ISI) in September, 2000.

SOCIAL AND ECONOMIC DEVELOPMENT –

Volume IV Mar 12 2022 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge;

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Agricultural And Rural Geography; Impact Of Global
Change On Agriculture; Human Nutrition: An Overview;
The Role Of Inter- And Nongovernmental Organizations;
Nongovernmental Organizations; Social And Cultural
Development Of Human Resources. This 8-volume set
contains several chapters, each of size 5000-30000 words, with
perspectives, issues on social and Economic Development.
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Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Fuzzy Surfaces in GIS and Geographical Analysis May 02 2021 Surfaces are a central to geographical analysis. Their generation and manipulation are a key component of geographical information systems (GISs). However, geographical surface data is often not precise. When surfaces are used to model geographical entities, the data inherently contains uncertainty in terms of both position and attribute.

Fuzzy

GEOINFORMATICS - Volume I Sep 06 2021

Geoinformatics is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Geoinformatics is a science which develops and uses information science infrastructure to address the problems of geosciences and related branches of engineering. The content of the theme on Geoinformatics is organized with state-of-the-art presentations covering the following aspects of the subject: Sample Data and Survey; Remote Sensing and Environmental Monitoring; Statistical Analysis in the Geosciences; International Cooperation for Data Acquisition and Use, which are then expanded into multiple subtopics, each as a chapter.. These two volumes are aimed at the following five major target audiences: University and College Students Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers and NGOs.

Land Use, Land Cover and Soil Sciences - Volume VII Jan 30 2021 This Encyclopedia of Land Use, Land Cover and Soil Sciences is a component of the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Land is one of our most precious assets. It represents space, provides food and shelter, stores and filters water, and it is a base for urban and industrial development, road construction, leisure and many

other social activities. Land is, however not unlimited in extent, and even when it is physically available its use is not necessarily free, either because of natural limitations (too cold, too steep, too wet or too dry, etc.) or because of constraints of access or land tenure. This 7-volume set contains several chapters, each of size 5000-30000 words, with perspectives, applications and extensive illustrations. It carries state-of-the-art knowledge in the fields of Land Use, Land Cover and Soil Sciences and is aimed, by virtue of the several applications, at the following five major target audiences: University and College Students, Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers and NGOs.

Resilience, Environmental Justice and the City Jan 10 2022
Urban centres are bastions of inequalities, where poverty, marginalization, segregation and health insecurity are magnified. Minorities and the poor – often residing in neighbourhoods characterized by degraded infrastructures, food and job insecurity, limited access to transport and health care, and other inadequate public services – are inherently vulnerable, especially at risk in times of shock or change as they lack the option to avoid, mitigate and adapt to threats. Offering both theoretical and practical approaches, this book proposes critical perspectives and an interdisciplinary lens on urban inequalities in light of individual, group, community and system vulnerabilities and resilience. Touching upon current research trends in food justice, environmental injustice

through socio-spatial tactics and solution-based approaches towards urban community resilience, Resilience, Environmental Justice and the City promotes perspectives which transition away from the traditional discussions surrounding environmental justice and pinpoints the need to address urban social inequalities beyond the build environment, championing approaches that help embed social vulnerabilities and resilience in urban planning. With its methodological and dynamic approach to the intertwined nature of resilience and environmental justice in urban cities, this book will be of great interest to students, scholars and practitioners within urban studies, environmental management, environmental sociology and public administration.

SOCIAL AND ECONOMIC DEVELOPMENT –
Volume II May 22 2020 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National,

Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

SOCIAL AND ECONOMIC DEVELOPMENT –

Volume VI Dec 09 2021 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic

Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations; Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Social and Humanities Science Research, Theory Aug 05
2021 Social and Humanities Science Research, Theory
Handbook of Cities and Networks Feb 11 2022 This

Handbook of Cities and Networks provides a cutting-edge overview of research on how economic, social and transportation networks affect processes both in and between cities. Exploring the ways in which cities connect and intertwine, it offers a varied set of collaborations, highlighting different theoretical, historical and methodological perspectives.

Medical Sciences - Volume I Dec 17 2019 Medical Sciences is a component of Encyclopedia of Biological, Physiological and Health Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. This 2-volume set contains several chapters, each of size 5000-30000 words, with perspectives, applications and extensive illustrations. It carries state-of-the-art knowledge in the fields of Medical Sciences and is aimed, by virtue of the several applications, at the following five major target audiences: University and College Students, Educators, Professional Practitioners, Research Personnel and Policy Analysts, Managers, and Decision Makers and NGOs.

Desarrollo del Pensamiento Geográfico Nov 15 2019 En 7 capítulos, se presentan los resultados de diversas investigaciones desarrolladas en el contexto del Programa de Didáctica, Investigación y Prácticas Educativas de la Universidad de La Serena. En cada uno de ellos, se integra un apartado didáctico, el cual, a través de actividades de análisis y profundización, permite apoyar a los estudiante a

desarrollar su habitus investigativo y a comprender las diversas problemáticas relacionadas con la educación geográfica actual.

SOCIAL AND ECONOMIC DEVELOPMENT –
Volume VIII Nov 08 2021 Social and Economic Development is a component of Encyclopedia of Development and Economic Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Social and Economic Development provides the essential aspects and a myriad of issues of great relevance to our world such as: Socioeconomic Developmental Social Work; Perspectives on Contemporary Socioeconomic Development; Sustainable Development of Natural Resource Capital; Sustainable Development Of Human Resource Capital; Intellectual And Knowledge Capital For Sustainable Development At Local, National, Regional, And Global Levels; Economic And Financial System Development Information And Knowledge; Institutional And Infrastructure System Development Information And Knowledge; Basic Principles Of Sustainable Development; Environmental Economics And Sustainable Development; Implementing Sustainable Development In A Changing World; Economic Sociology: Its History And Development; The Socioeconomics Of Agriculture; Agricultural And Rural Geography; Impact Of Global Change On Agriculture; Human Nutrition: An Overview; The Role Of Inter- And Nongovernmental Organizations;

Nongovernmental Organizations; Social And Cultural Development Of Human Resources. This 8-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on social and Economic Development. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

GEOGRAPHY - Volume I Jan 22 2023 Geography is a component of Encyclopedia of Earth and Atmospheric Sciences in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Geographical perceptions can be traced from very ancient cultures, although geography as a science started its development during the eighteen century, it was firmly established after the Darwinian revolution and many of its fundamentals appeared during the nineteenth century. The history of geography is closely connected with the history of human society Geography embraces both the physical and human worlds, and aims to bridge natural and human sciences. For a geographer, although the environment and its conservation is a crucial item, it is also fundamentally concerned with the living standards of humankind. Although its wide embrace may be seen as a weakness, diversification is also strength and an attraction. Approaches are multidisciplinary, exploring the complex linkages between the cultural and the natural. These favor cross-cultural

communication and mutual understanding at a global scale. There is a geographical basis to most of the outstanding political problems, and geographical reasons to explain them. The subject matter of the geography theme is presented basically on how the subject matter is taught presently at the universities, and following the many paths its practitioners are following in doing research. It introduces modern subject matters and goes much further than a simple description of places and travels. The theme has been divided into four main topics: Foundations, Physical Geography, Human Geography, and Technical matters. The scope of the foundation topic is to present an overview of the basis of the geographical field, its scope, history, methods, and its importance in education. The chapters included are Main Stages of the Development, Theory and Methods, and Geographical Education. The Physical Geography topic includes the historical background of the geographical study of the Earth natural environment, and the main fields cultivated by geographers. It consists of eight chapters on basic research fields, which are Geomorphology, Climatology, Hydrology, Biogeography, Soil Geography, Coastal Systems, Ocean Geography, Mountain Geoecology, and two chapters on environmental issues: Natural Hazards and Land Degradation and Desertification. In the Human Geography topic six chapters discuss the more current fields, that is: Population, Cultural and Social, Agricultural and Rural, Industries and Transport, Economic Activities and Urban Geography. Three chapters present

subjects developed more recently: Medical, Political and Tourism geographies. Finally, the Regional approach is presented as the most traditional and integrative field. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

The Philosophy of GIS Nov 27 2020 This anthology aims to present the fundamental philosophical issues and tools required by the reflection within and upon geography and Geographic Information Systems (GIS) .It is an introduction to the philosophy for GIScience from an analytical perspective, which looks at GIS with a specific focus on its fundamental and most general concepts and distinctions. The first part of the book is devoted to explore some of the main philosophical questions arising from GIS and GIScience, which include, among others, investigations in ontology, epistemology, linguistics and geometrical modeling. The second part concerns issues related to spatial and cartographical representations of the geographical world. The third part is focused on the ontology of geography, specifically in terms of geographical entities, objects and boundaries. Finally, in the fourth part, the topic of GIS constitutes a starting point for exploring themes such as quantum geography and disorientation, and for defining professional profiles for geographers with competences in GIS environment. This book on a new and unexplored field of

research could be a fundamental point of reference for professional philosophers and geographers interested in the theoretical reflection about the foundational concepts of GIScience. It is also interesting reading material for students (both undergraduates, postgraduates and Ph.D. students) in philosophy, geography, applied ontology, GIScience, geomatics and computer science.

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