

Gis For Decision Support And Public Policy Making

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Proceedings of the 3rd International Conference on Decision Support System Technology 2017 - Isabelle Linden 2017-05-29

This Proceedings presents the short papers, posters and abstracts of full papers accepted to the 3rd International Conference on Decision Support System Technology, ICDSST 2017, held in Namur, Belgium, during May 29th to 31st, 2017. This event had a main theme Data, Information and Knowledge Visualisation in Decision Making. This event is organized by the Euro Working Group on Decision Support Systems (EWG-DSS) in collaboration with the University of Namur Belgium, the EFFaTA Research Team of the University of Namur and the Université libre de Bruxelles, Belgium.

Encyclopedia of Public Administration and Public Policy - 5 Volume Set - Domic A. Bearfield 2020-08-14

Now in its third edition, Encyclopedia of Public Administration and Public Policy remains the definitive source for article-length presentations spanning the fields of public administration and public policy. It includes entries for: Budgeting Bureaucracy Conflict resolution Countries and regions Court administration Gender issues Health care Human resource management Law Local government Methods Organization Performance Policy areas Policy-making process Procurement State government Theories This revamped five-volume

edition is a reconceptualization of the first edition by Jack Rabin. It incorporates over 225 new entries and over 100 revisions, including a range of contributions and updates from the renowned academic and practitioner leaders of today as well as the next generation of top scholars. The entries address topics in clear and coherent language and include references to additional sources for further study.

Regional and Urban GIS - Timothy L. Nyerges 2010-01-01

This unique text shows students and professionals how geographic information systems (GIS) can guide decision making about complex community and environmental problems. The authors' step-by-step introduction to GIS-based decision analysis methods and techniques covers important urban and regional issues (land, transportation, and water resource management) and decision processes (planning, improvement programming, and implementation). Real-world case studies demonstrate how GIS-based decision support works in a variety of contexts, with a special focus on community and regional sustainability management. Ideal for course use, the book reinforces key concepts with end-of-chapter review questions; illustrations include 18 color plates.

Aspects of Real Estate Theory and Practice in Zimbabwe - Chirisa, Innocent 2019-08-23

The subject of real estate is increasingly becoming important, especially in the countries of the developing world. States and governments realise that real estate is a corner stone of socio-economic development. Real estate development contributes immensely to the gross physical capital formation. Its formation, construction and ancillary sectors contribute to the employment, infrastructure development and gross domestic product. The main challenges about real estate is about where to develop it, how to develop it, how to manage and compute valuations about it. Such are the issues discussed in this volume. The book draws on Zimbabwe as a case study, to demonstrate the critical aspects that define theory and real estate practice in various contexts - national, regional and international.

Building a Smarter Community - Christopher Thomas 2021-06-29

Discover how GIS and location intelligence support state and local government decisions and civic inclusion in Building a Smarter Community: GIS for State and Local Government.

Sustainable Practices: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2013-12-31

"This reference explores some of the most recent developments in sustainability, delving into topics beyond environmental science to cover issues of sustainable economic, political, and social development"-- Provided by publisher.

Encyclopedia of Digital Government - Anttiroiko, Ari-Veikko 2006-07-31

Containing more than 250 articles, this three-volume set provides a broad basis for understanding issues, theories, and applications faced by public administrations and public organizations, as they strive for more effective government through the use of emerging technologies. This publication is an essential reference tool for academic, public, and private libraries.

The Development of an Integrated Planning and Decision Support System (IPDSS) for Land Consolidation - Demetris Demetriou 2013-11-01

This book provides an extensive review of three interrelated issues: land fragmentation, land consolidation, and land reallocation, and it presents

in detail the theoretical background, design, development and application of a prototype integrated planning and decision support system for land consolidation. The system integrates geographic information systems (GIS) and artificial intelligence techniques including expert systems (ES) and genetic algorithms (GAs) with multi-criteria decision methods (MCDM), both multi-attribute (MADM) and multi-objective (MODM). The system is based on four modules for measuring land fragmentation; automatically generating alternative land redistribution plans; evaluating those plans; and automatically designing the land partitioning plan. The presented research provides a new scientific framework for land-consolidation planning both in terms of theory and practice, by presenting new findings and by developing better tools and methods embedded in an integrated GIS environment. It also makes a valuable contribution to the fields of GIS and spatial planning, as it provides new methods and ideas that could be applied to improve the former for the benefit of the latter in the context of planning support systems. "From the 1960s, ambitious research activities set out to observe regarding IT-support of the complex and time consuming redistribution processes within land consolidation - without any practically relevant results, until now. This scientific work is likely to close that gap. This distinguished publication is highly recommended to land consolidation planning experts, researchers and academics alike." - Prof. Dr.-Ing. Joachim Thomas, Münster/ Germany "Planning support systems take new scientific tools based on GIS, optimisation and simulation and use these to inform the process of plan-making and policy. This book is one of the first to show how this can be consistently done and it is a triumph of demonstrating how such systems can be made operational. Essential reading for planners, analysts and GI scientists." - Prof. Michael Batty, University College London
Encyclopedia of Public Administration and Public Policy: A-J - Jack Rabin 2003
From the Nuremberg trials to the Civil Service Reform Act of 1978 to recent budget reconciliation bills, the Encyclopedia of Public Administration and Public Policy provides detailed coverage of

watershed policies and decisions from such fields as privatization, biomedical ethics, education, and diversity. This second edition features a wide range of new topics, including military administration, government procurement, social theory, and justice administration in developed democracies. It also addresses current issues such as the creation of the Department of Homeland Security and covers public administration in the Middle East, Africa, Southeast Asia, the Pacific, and Latin America.

Comparative E-Government - Christopher G. Reddick 2010-08-19
Comparative E-Government examines the impact of information and communication technology (ICT) on governments throughout the world. It focuses on the adoption of e-government both by comparing different countries, and by focusing on individual countries and the success and challenges that they have faced. With 32 chapters from leading e-government scholars and practitioners from around the world, there is representation of developing and developed countries and their different stages of e-government adoption. Part I compares the adoption of e-government in two or more countries. The purpose of these chapters is to discern the development of e-government by comparing different countries and their individual experiences. Part II provides a more in-depth focus on case studies of e-government adoption in select countries. Part III, the last part of the book, examines emerging innovations and technologies in the adoption of e-government in different countries. Some of the emerging technologies are the new social media movement, the development of e-participation, interoperability, and geographic information systems (GIS).

Homeland Security Preparedness and Information Systems: Strategies for Managing Public Policy - Reddick, Christopher G. 2009-09-30

"This book examines the impact of Homeland Security Information Systems (HSIS) on government, discussing technologies used in a national effort to prevent and respond to terrorist attacks and emergencies such as natural disasters"--Provided by publisher.

United Nations E-Government Survey 2016 - United Nations Department

of Economic and Social Affairs 2017-01-04

Since 2001, the United Nations Department of Economic and Social Affairs (DESA), Division for Public Administration and Development Management (DPADM) has published the United Nations E-Government Survey ("the Survey"). Now in its ninth edition, the Survey provides an analysis of emerging public administration trends and issues and of how e-government can support the realization of the internationally agreed development agenda and goals. The Survey offers insights about common challenges, broad trends and different strategies in e-government development among regions and across countries. By tracking the progress of countries globally over time, the Survey seeks to better understand the challenges and opportunities that the Member States face in developing their e-government programmes.

GIS for Decision Support and Public Policy Making - Christopher Thomas 2009

Elected officials and department heads are increasingly relying on geographic information system (GIS) technology to make efficient and accurate decisions. This resource presents 27 case studies and eight exercises that demonstrate the positive impact of incorporating GIS methodology in daily operations of the public sector.

Encyclopedia of Geography - Barney Warf 2010-09-21

Simply stated, geography studies the locations of things and the explanations that underlie spatial distributions. Profound forces at work throughout the world have made geographical knowledge increasingly important for understanding numerous human dilemmas and our capacities to address them. With more than 1,200 entries, the Encyclopedia of Geography reflects how the growth of geography has propelled a demand for intermediaries between the abstract language of academia and the ordinary language of everyday life. The six volumes of this encyclopedia encapsulate a diverse array of topics to offer a comprehensive and useful summary of the state of the discipline in the early 21st century. Key Features Gives a concise historical sketch of geography's long, rich, and fascinating history, including human geography, physical geography, and GIS Provides succinct summaries of

trends such as globalization, environmental destruction, new geospatial technologies, and cyberspace Decomposes geography into the six broad subject areas: physical geography; human geography; nature and society; methods, models, and GIS; history of geography; and geographer biographies, geographic organizations, and important social movements Provides hundreds of color illustrations and images that lend depth and realism to the text Includes a special map section Key Themes Physical Geography Human Geography Nature and Society Methods, Models, and GIS People, Organizations, and Movements History of Geography This encyclopedia strategically reflects the enormous diversity of the discipline, the multiple meanings of space itself, and the diverse views of geographers. It brings together the diversity of geographical knowledge, making it an invaluable resource for any academic library.

Research Perspectives on the Role of Informatics in Health Policy and Management - El Morr, Christo 2013-07-31

Healthcare providers require timely and accurate information about their patients. As such, a great amount of effort and resources are spent to ensure that the right information is presented to the right people at the right time. Research Perspectives on the Role of Informatics in Health Policy and Management focuses on the advancements of Health Information Science in order to solve current and forthcoming problems in the health sector. Managers, policy makers, researchers, and Masters and PhD students in healthcare related fields will use this book to provide necessary insight on healthcare delivery and also to inspire new ideas and practices to effectively provide patients with the greatest quality care.

Remote Sensing and Geographic Information Systems for Policy Decision Support - R. B. Singh 2022-05-19

The management of data to understand complex and interwoven processes of sustainable development has been a great challenge for researchers, planners, and decision makers. Remote sensing and GIS-based policy decision support systems not only help them to solve spatially related environmental and socio-economic issues; they also provide a powerful tool for integrating spatial and non-spatial datasets

with analytical and spatial models and knowledge domains. Recent advances in the modern spatial tools of remote sensing and GIS combined with advanced computation techniques have enhanced the efficiency and capabilities of policy development. This book expands the scientific knowledge base in various physical and socio-economic issues among scholars, planners, and decision makers for policy development and research regarding sustainable development. It also demonstrates the importance of modern spatial decision support tools of remote sensing and GIS to better understand sustainable development processes and policy development. Furthermore, the book discusses case studies providing new insights as to how remote sensing and GIS-based decision support systems contribute to understanding physical and socio-economic processes and developing pragmatic policy for sustainable development. This book covers land surface temperature, hydrological processes, terrain mapping, flood and landslide hazards, land use and land cover dynamics, crime hotspots, urban health issues, tourism, agriculture, forest management, flood mitigation, urban sprawl, and village information systems, among others. Readers will find this book to be an invaluable resource for understanding and solving diverse physical and human issues for policy development related to sustainable planning and management.

Beiträge Zur 15. Internationalen Konferenz Zu Stadtplanung, Regionalentwicklung und Informationsgesellschaft - Manfred Schrenk 2010

Citizen 2.0: Public and Governmental Interaction through Web 2.0 Technologies - Kloby, Kathryn 2012-03-31

"This book defines the role of Web 2.0 technologies in government and highlights a variety of strategies and tools public administrators can use to engage citizens, including suggestions for adoption and implementation based on the lessons learned by scholars and practitioners in the field"--Provided by publisher.

Handbook of Planning Support Science - Stan Geertman 2020-02-28
Encompassing a broad range of innovative studies on planning support

science, this timely Handbook examines how the consequences of pressing societal challenges can be addressed using computer-based systems. Chapters explore the use of new streams of big and open data as well as data from traditional sources, offering significant critical insights into the field.

Encyclopedia of Decision Making and Decision Support Technologies - Adam, Frederic 2008-04-30

As effective organizational decision making is a major factor in a company's success, a comprehensive account of current available research on the core concepts of the decision support agenda is in high demand by academicians and professionals. Through 110 authoritative contributions by over 160 of the world's leading experts the *Encyclopedia of Decision Making and Decision Support Technologies* presents a critical mass of research on the most up-to-date research on human and computer support of managerial decision making, including discussion on support of operational, tactical, and strategic decisions, human vs. computer system support structure, individual and group decision making, and multi-criteria decision making.

[Mapping Community Health](#) - Christopher Thomas 2022-03-22

Mapping Community Health: GIS for Health and Human Services explores a collection of real-life case studies about using geographic information system (GIS) technology to help build communities that improve health outcomes and increase accessibility to health care. The book also includes a "next steps" section that provides ideas, strategies, tools, and actions to help jump-start your own use of GIS for health and human services. A collection of online resources, including additional stories, videos, new ideas and concepts, and downloadable tools and content, complements this book.

Principles and practice of forest landscape restoration : case studies from the drylands of Latin America - Adrian C. Newton 2011

Utilizing Decision Support Systems for Strategic Public Policy Planning - Timoulali, Mohamed 2020-05-29

Advances in GIS technologies have provided a more robust framework

for planners and designers. These frameworks offer greater control and monitoring, which can lead to greater accuracy in policymaking and urban planning. Utilizing Decision Support Systems for Strategic Public Policy Planning is an essential research publication that provides comprehensive research on the possibilities of GIS technology for spatial analysis and visualization. Featuring a wide range of topics such as open data, architecture, and regional development, this book is ideal for design professionals, academicians, policymakers, researchers, professionals, and students.

Geospatial Information System Use in Public Organizations - Nicolas Valcik 2019-09-11

This book shows how Geospatial Information Systems (GIS) can be used for operations management in public institutions. It covers theory and practical applications, ranging from tracking public health trends to mapping transportation routes to charting the safest handling of hazardous materials. Along with an expert line-up of contributors and case studies, the editor provides a complete overview of how to use GIS as part of a successful, collaborative data analysis, and how to translate the information into cost-saving decisions, or even life-saving ones.

ARC User - 2009

Beyond Maps - John O'Looney 2000

Using the varied case studies, this comprehensive resource looks beyond the mechanics of systems and screens to show how local governments can make geographic information systems true management tools. Case studies provide a framework of understanding of the unique capabilities of GIS. 50 maps.

[Towards a Spatial Social Policy](#) - Whitworth, Adam 2019-11-13

Social policy and human geography are intimately intertwined yet frequently disconnected fields. Whilst social policies are always conceived, implemented and experienced in and through geography, the role of place in social policy scholarship and practice is frequently overlooked. Bringing together experts from both fields, this collection illuminates the myriad of ways that human geography offers rich insights

conceptually, empirically and methodologically into the neglected spatialities of policy scholarship, practice and experience. By building the necessary bridges towards a spatial social policy, this book enables the enhanced design, performance and understanding of social policies once properly rooted in their multiple spatialities.

Public Administration and Public Affairs - Nicholas Henry

2017-09-01

Public Administration and Public Affairs demonstrates how to govern efficiently, effectively, and responsibly in an age of political corruption and crises in public finance. Providing a comprehensive, accessible and humorous introduction to the field of Public Administration, this text is designed specifically for those with little to no background in the field. Now in its 13th edition, this beloved book includes: Engaging, timely new sections designed to make students think, such as "Why Are So Many Leaders Losers?" and "Even Terrorists Like Good Government" Comparisons throughout of the challenges and opportunities found in the nonprofit sector vs. the public sector (sections such as "The Dissatisfied Bureaucrat, the Satisfied Nonprofit Professional?") Extensive new material on e-governance, performance management, HRM, intersectoral and intergovernmental administration, government contracting, public budgeting, and ethics. The 13th edition is complete with an Instructor's Manual, Testbank, and PowerPoint slides for instructors, as well as Learning Objectives and Self-test Questions for students, making it the ideal primer for public administration/management, public affairs, and nonprofit management courses.

Proceedings of the 2nd EWG-DSS International Conference on Decision Support System Technology - ICDSST 2016 - Shaofeng Liu 2016-05-23
Plymouth, UK, 23-25 May 2016

Virtual Knowledge - Paul Wouters 2013

Today we are witnessing dramatic changes in the way scientific and scholarly knowledge is created, codified, and communicated. This transformation is connected to the use of digital technologies and the virtualization of knowledge. In this book, scholars from a range of disciplines consider just what, if anything, is new when knowledge is

produced in new ways. Does knowledge itself change when the tools of knowledge acquisition, representation, and distribution become digital? Issues of knowledge creation and dissemination go beyond the development and use of new computational tools. The book, which draws on work from the Virtual Knowledge Studio, brings together research on scientific practice, infrastructure, and technology. Focusing on issues of digital scholarship in the humanities and social sciences, the contributors discuss who can be considered legitimate knowledge creators, the value of "invisible" labor, the role of data visualization in policy making, the visualization of uncertainty, the conceptualization of openness in scholarly communication, data floods in the social sciences, and how expectations about future research shape research practices. The contributors combine an appreciation of the transformative power of the virtual with a commitment to the empirical study of practice and use. The hardcover edition does not include a dust jacket.

Down to Earth - National Research Council 2002-11-24

In 1992, world leaders adopted Agenda 21, the work program of the 1992 U.N. Conference on Environment and Development. This landmark event provided a political foundation and action items to facilitate the global transition toward sustainable development. The international community marked the tenth anniversary of this conference in Johannesburg, South Africa, in August 2002. *Down to Earth*, a component of the U.S. State Department's "Geographic Information for Sustainable Development" project for the World Summit, focuses on sub-Saharan Africa with examples drawn from case-study regions where the U.S. Agency for International Development and other agencies have broad experience. Although African countries are the geographic focus of the study, the report has broader applicability. *Down to Earth* summarizes the importance and applicability of geographic data for sustainable development and draws on experiences in African countries to examine how future sources and applications of geographic data could provide reliable support to decision-makers as they work towards sustainable development. The committee emphasizes the potential of new technologies, such as satellite remote-sensing systems and

geographic information systems, that have revolutionized data collection and analysis over the last decade.

A Research Guide to Cartographic Resources - Eva H. Dodsworth
2018-09-22

This book navigates the numerous American and Canadian cartographic resources available in print, and online, offering information on how to locate and access the large variety of resources. Cartographic materials are highlighted and summarized, along with lists of map libraries and geospatial centers, and related professional associations.

The New Faces of Organizations in the 21st Century - Mohammad Ali Sarlak
2010

The Handbook of Geographic Information Science - John P. Wilson
2008-04-15

This Handbook is an essential reference and a guide to the rapidly expanding field of Geographic Information Science. Designed for students and researchers who want an in-depth treatment of the subject, including background information Comprises around 40 substantial essays, each written by a recognized expert in a particular area Covers the full spectrum of research in GIS Surveys the increasing number of applications of GIS Predicts how GIS is likely to evolve in the near future

GeoComputation - Robert J. Abrahart
2014-06-23

A revision of Openshaw and Abrahart's seminal work, GeoComputation, Second Edition retains influences of its originators while also providing updated, state-of-the-art information on changes in the computational environment. In keeping with the field's development, this new edition takes a broader view and provides comprehensive coverage across the *Economic Activity and Land Use The Changing Information Base for Local and Regional Studies* - Michael J. Healey
2014-10-13

First published in 1992. Routledge is an imprint of Taylor & Francis, an informa company.

Multicriteria Decision Analysis in Geographic Information Science
- Jacek Malczewski
2015-02-02

This book is intended for the GIS Science and Decision Science

communities. It is primarily targeted at postgraduate students and practitioners in GIS and urban, regional and environmental planning as well as applied decision analysis. It is also suitable for those studying and working with spatial decision support systems. The main objectives of this book are to effectively integrate Multicriteria Decision Analysis (MCDA) into Geographic Information Science (GIScience), to provide a comprehensive account of theories, methods, technologies and tools for tackling spatial decision problems and to demonstrate how the GIS-MCDA approaches can be used in a wide range of planning and management situations.

Achieving Sustainable Urban Form - Elizabeth Burton
2013-07-04

Achieving Sustainable Urban Form represents a major advance in the sustainable development debate. It presents research which defines elements of sustainable urban form - density, size, configuration, detailed design and quality - from macro to micro scale. Case studies from Europe, the USA and Australia are used to illustrate good practice within the fields of planning, urban design and architecture.

Decision Support Systems in Urban Planning - Harry Timmermans
2003-09-02

This book presents a set of selected and edited papers presented at the 2nd and 3rd Design and Decision Support Conference. The purpose is to provide examples of innovative research in decision support systems in urban planning from throughout the world.

Public Affairs and Administration: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources
2015-05-31

Effective administration of government and governmental organizations is a crucial part of achieving success in those organizations. To develop and implement best practices, policymakers and leaders must first understand the fundamental tenants and recent advances in public administration. *Public Affairs and Administration: Concepts, Methodologies, Tools, and Applications* explores the concept of governmental management, public policy, and politics at all levels of organizational governance. With chapters on topics ranging from privacy

and surveillance to the impact of new media on political participation, this multi-volume reference work is an important resource for

policymakers, government officials, and academicians and students of political science.