

1. Record Nr.	UNINA9910853996003321
Titolo	Advances in Geoinformatics Technologies : Facilities and Utilities Optimization and Management for Smart City Applications / / edited by Ram Narayan Yadava, Muhamad Uznir Ujang
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-50848-3
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (VII, 434 p. 190 illus., 170 illus. in color.)
Collana	Earth and Environmental Sciences Library, , 2730-6682
Disciplina	910.285
Soggetti	Geographic information systems Environmental management Environmental monitoring Geotechnical engineering Environmental sciences Physics Geographical Information System Environmental Management Environmental Monitoring Geotechnical Engineering and Applied Earth Sciences Environmental Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	There are many GIS products for smart cities to implement smart city projects or activities. Most of the Geoinformatics Technologies and its application books are theoretical and lack of examples with real world data and step by step explanations to understand the facilities and utilities optimization and management for smart city applications and socio-economic aspects. This book focuses and discusses topics related to how technological advances in Geoinformatics can help in the management operations of smart city applications to help our environment to be smart. Specifically, the volume focuses on how these advancements can help optimize and manage facilities and utilities.

This book focuses on geoinformation modelling, geo-smart city applications, geoinformation technology, information system and computer science, and geolocation and positioning as its five primary areas of discussion. Each of these primary subjects delves into the application that uses geoinformatics technology in greater depth. This covers the use of Geoinformatics technology in the prevention of crime, coastal erosion, carbon emission modelling, landslide modelling, urban farming, and various other applications linked to the field. This book's objective is to provide a comprehensive review of the accomplishments that geoinformatics has made in a number of different application areas for smart cities. It covers Geoinformation Technologies, Geoinformation Modelling, Information System and Computer Science, Geolocation & Positioning, and Geo-Smart City Applications. The book will be useful to graduate students, university faculty, and researchers in Geoinformatics sciences/engineering and architecture and town planning. It will also be useful to entrepreneurs, professionals, and planners in policy and decision making at the local, state and national levels.
