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Collana	Advances in Geographical and Environmental Sciences, , 2198-3550
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Soggetti	Sustainability Geography Geographic information systems Quantitative research Climatology Natural disasters Regional Geography Geographical Information System Data Analysis and Big Data Climate Sciences Natural Hazards
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Nota di contenuto	Geo-intelligence role in sustainable city missions of the global south: a review -- Cloud-based geospatial mapping and analysis of prayagraj kumbh mela of india: the unesco intangible cultural heritage -- Geo-intelligence-based approach for sustainable development of peri-urban areas: a case study of kozhikode city, kerala (india) -- Smart city: artificial intelligence in the city of the future -- Geo-intelligence for ecosystem services in poverty alleviation and food security -- Geo-intelligence for pandemic prevention and control -- Geo- intelligence in public health: a panoptical to covid -19 pandemic -- Use of remote sensing data to identify air pollution signatures in india -- Urban growth impact on cauvery river: a geospatial perspective -- Artificial neural network (ann) based predictions of bulk permittivity of co2-

water-porous media system -- Long-term satellite data time series analysis for land degradation mapping to support sustainable land management in ukraine -- Modeling of the mass balance of glaciers with debris cover -- A geo-intelligence based approach to investigate temporal changes in the length and surface area and ice velocity of sakchum glacier. .

Sommario/riassunto

Globally, concerns for the environment and human well-being have increased as results of threats imposed by climate change and disasters, environmental degradation, pollution of natural resources, water scarcity and proliferation of slums. Finding appropriate solutions to these threats and challenges is not simple, as these are generally complex and require state-of-the-art technology to collect, measure, handle and analyse large volumes of varying data sets. However, the recent advances in sensor technology, coupled with the rapid development of computational power, have greatly enhanced our abilities to capture, store and analyse the surrounding physical environment. This book explores diverse dimensions of geo-intelligence (GI) technology in developing a computing framework for location-based, data-integrating earth observation and predictive modelling to address these issues at all levels and scales. The book provides insight into the applications of GI technology in several fieldsof spatial and social sciences and attempts to bridge the gap between them.