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Nota di contenuto	Towards mitigating climate change by pipeline integrity management: Resilient pipelines -- Research Progress and Hotspot Analysis of Carbon Capture, Utilization and Storage (CCUS): A Visual Analysis Using CiteSpace -- Using air2water model to predict the water temperature of Fuxian Lake -- Impact of urban park allocation on local geothermal environment: Case study of Chaoyang, China -- Mitigating the impacts of drought via wastewater conversion to energy, nutrients, raw materials, food and potable water -- Analysis of Characteristics and Influencing Factors of Land Surface Temperature Change in Yunnan Province -- Is it possible to achieve carbon neutrality in palm oil production? -- Impact of urban overheating on critical infrastructure -- Tree Canopy Characteristics affect Street-canyon's Microclimate Conditions and Human Thermal Comfort in Hot-humid Climate --

Research on space resilience assessment and space optimization of old community in city -- Trends in Incentive Policies of Green Roof: An Overview -- Natural wetland evolution in China: A review -- Urban morphology, urban ventilation and urban heat island mitigation: A methodological framework -- Istanbul; the Planning of Residential, and Industrial Areas in the Process of Transformation Into a Sustainable city.

Sommario/riassunto

This book discusses the challenges related to climate change mitigation and adaptation. It adds valuable strategies and insights into the development of new practices solving the identified social and economic problems related to ecosystem deterioration and anticipating other disasters related to climate change. As the decarbonization of cities and communities became an issue of great interest to many researchers, the book in hands will be of great importance to decision-makers and energy stakeholders and others seeking a more resilient and sustainable future and developing innovative technologies to overcome environmental deterioration. This book is a culmination of selected research papers from the first version of the international conference on 'Climate Chance and Environmental Sustainability' which was held in 2021 in collaboration with Chongqing University, China.
