1. Record Nr. UNINA9910637726703321

Titolo	Ecological Footprints of Climate Change : Adaptive Approaches and Sustainability / / edited by Uday Chatterjee, Angela Oyilieze Akanwa, Suresh Kumar, Sudhir Kumar Singh, Abira Dutta Roy
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031155017 3-031-15501-7
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (782 pages)
Collana	Springer Climate, , 2352-0701
Disciplina	338.927019 304.25
Soggetti	Climatology Ecology Sustainability Climate Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Section I. Introduction -- Chapter 1. Ecological Footprints in Changing Climate – An Overview -- Chapter 2. Assessing Global-scale Synergy between Adaptation, Mitigation and Sustainable Development for projected Climate Change -- Chapter 3. Global Warming Impacts on Environment in the last Century -- Chapter 4. Analysis of low-flow frequency in the era of climate change: An application of CanESM2 model -- Section II. Climate Change and contemporary issues, challenges and sustainability -- Chapter 5. Climate Change Impact on Land Degradation in Hilly and Mountainous Landscape: Sustainability Issues and Adaptation Strategies -- Chapter 6. Impacts of the Inherent Hazards of Climate Change on the Coastal Environment of the Mahanadi Delta along the East Coast of India -- Chapter 7. Assessment of Ground Water Vulnerability to Climate Change of Jalgaon District (M. S.) India using GIS Techniques -- Chapter 8. Impact of Climate Change on Water Crisis in Gujarat (India) -- Chapter 9. Factors affectinggovernance aspect of disaster management: Comparative

study of the Sundarbans in India and Bangladesh -- Chapter 10. Application of Geospatial Technology in Understanding Seasonal Flood Hazard Event in Dhemaji District of Assam -- Chapter 11. Geospatial Approach in Watershed Vulnerability to Climate Change and Environmental Sustainability -- Section III. Agriculture and Forestry and Climate Change -- Chapter 12. Agro-climatic Variability in Climate Change Scenario: Adaptive Approach and Sustainability -- Chapter 13. Peri-urban farmers perception of climate change: values and perspectives. A French case study -- Chapter 14. Determinants and Spatio-Temporal Drivers of Agricultural Vulnerability to Climate Change at Block Level, Darjeeling Himalayan (Hill) Region, West Bengal, India -- Chapter 15. Forest Landscape Dynamics and People's livelihood Dependency on Forest: A Study on Bankura District, West Bengal -- Chapter 16. Forest fire risk modelling using GIS and remote sensing in major landscapes of Himachal Pradesh -- Section IV. Food security and Livelihoods -- Chapter 17. Climate Smart Agriculture Interventions for Food and Nutritional Security -- Chapter 18. Critical appraisal and evaluation of India's first carbon Neutral Community project- A case of Meenangadi Panchayat, Kerala, India -- Section V. Infrastructure and resilient cities and settlements -- Chapter 19. Land use and land cover change dynamics and modeling future urban growth using cellular automata model over Isfahan metropolitan area of Iran -- Chapter 20. Analyzing of Spatio- Temporal Changes in Land Surface Temperature of Coastal Goa using LANDSAT Satellite Data -- Chapter 21. Analysing the Relationship between Rising Urban Heat Islands and Climate Change of Howrah Sadar Subdivision in the Past Two Decades Using Geospatial Indicators -- Chapter 22. Assessment of Site Suitability Analysis for Solar Power Plants: An Optimal Utilization of Wastelands -- Chapter 23. Integrated Study on Tsunami Impact Assessment in Cilacap, Indonesia: Method, Approached and Practice -- Chapter 24. The public health risks of waterborne pathogen exposure under a climate change scenario in Indonesia -- Chapter 25. Perceived Impact of Climate Change on Health: Reflections from Kolkata and Its Suburbs -- Section VI. Global Health, Sustainable and Adaptive Approaches and Sustainability -- Chapter 26. Health implications, Leaders Societies, and Climate Change: A Global Review -- Chapter 27. A Retrospective Cohort Study on Ambient Air Quality and Respiratory morbidities -- Chapter 28. Coping Practices of Women fisherfolk in Responses to Climate Change at UNESCO declared World Heritage Site of Sundarbans -- Chapter 29. Climate Change and Health Impacts in the South Pacific: A Systematic Review -- Chapter 30. Changing Climate, Flood Footprints, and Climate-Related Actions: Effects on Ecosocial and Health Risks Along Ugbowo-Benin Road, Edo State, Nigeria.

Sommario/riassunto

This book explores global implications of human activities that trigger changes in climate and the appropriate scientific, adaptive, and sustainable approaches as a proven information tool. It reveals that the ecological, social, and economic dynamics of the changing earth encompasses huge uncertainties coupled with its ability to be linked to other forms of global change. From a scientific perspective, multiple efforts are expedient to integrate the many aspects of global changes. Increases in science and technology have afforded nations the ability to plan for the future by investing in adaptive and mitigative measures to monitor present and future changes. Just as the climatic and ecological impacts of climate change are unequally distributed, so is the adaptive capacity to cope with these impacts in different nations. Considering that wealth, infrastructure, and political stability all contribute to a nation's capacity to anticipate and respond to change. So, global South nations who are disadvantaged in these areas are faced with more

inequalities and more unique adaptive strategies. There is need for increased aggregate efforts and interaction between scientists, stakeholders, and policy makers to improve both decision-making and global change in science. Scientists and researchers need to work on expanding the range of polices that are proposed, debated, and implemented. This way, novelty, new ideas and methodologies are infused into the society. At this point of multiple climate footprints, there is an immense need to explore all ideas evaluating their possibilities in presenting alternative futures, developing alternative policies, and adaptive options to solve the intractable ecological footprints of climate change.