

1. Record Nr.	UNINA9910874690503321
Autore	Malakar Kousik Das
Titolo	Mapping Geospatial Citizenship : The Power of Participatory GIS // by Kousik Das Malakar, Supriya Roy
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031631078
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (186 pages)
Collana	SpringerBriefs in GIS, , 2367-0118
Disciplina	910.285
Soggetti	Geography Geographic information systems Sustainability Geographical Information System
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: Introduction to Geospatial Citizenship -- Chapter 2: Understanding of Participatory GIS: Concepts and Techniques -- Chapter 3: Applications of Participatory GIS: A Socio-ecological Approaches and Mapping -- Chapter 4: Geographies and Socio-spatial Ecologies of a Societal Space: A Journey into Participatory GIS -- Chapter 5: Community Cartography and Participatory GIS -- Chapter 6: GIS for All: Challenges and Future Directions -- Chapter 7: Importance and Scope of Voices Mapping in Coastal Communities: The Case of Coastal World -- Chapter 8: Voices Mapping of Coastal Communities: Field Narratives from the Coastal Medinipur and Sundarbans -- Chapter 9: Mapping Community Voices in the Coastal Region of Bengal: Case Studies and Best Practices of Participatory GIS -- Chapter 10: The Power of Participatory GIS: Disciplinary Principles and Research Scope.
Sommario/riassunto	Participatory GIS (PGIS) is important in social science research because it provides a powerful tool for exploring and comprehending various socio-spatial phenomena. It makes it easier to investigate intricate spatial relationships, community dynamics, and the effects of policies and interventions on local populations. Researchers can also use it to map and analyze the spatial distribution of social concerns, resources, and assets within a community. This Brief delves into the

transformative potential of Participatory GIS (PGIS) in empowering communities and amplifying their voices through geospatial technologies. This book provides an in-depth discussion of PGIS, including approaches, data collection techniques, participatory mapping, critical discussions, the concept and thinking of geospatial citizenship, applications of participatory GIS in terms of socio-ecological concern, geographies and socio-spatial ecologies of a societal space, community cartography, challenges, and future directions. The book also offers real-world case studies that leverage PGIS technology to map the voices of ordinary people. Case studies include mapping natural resource management, modelling mangrove forest ecologies, indigenous technical knowledge of fish catching, social vulnerability to climate change in the coastal community, and identification of traditional coastal fishing sites. The book emphasizes the necessity of community involvement in decision-making processes, as well as the awareness of their perspectives in formulating policies and programs, through the lens of PGIS. It highlights how geospatial technologies can be a strong tool for community empowerment, allowing individuals to actively shape their surroundings and build a sense of ownership over their shared spaces.
