Volunteered Geographic Information and the Future of Geospatial Data

Part of the Advances in Geospatial Technologies Book Series

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Description:

Geographic data is a valuable source of information in modern society. By utilizing alternative sources of this data, the availability and potential applications of geographic information systems can be increased.

Volunteered Geographic Information and the Future of Geospatial Data is a pivotal reference source for the latest scholarly research on information gathering from volunteers, as opposed to official agencies and private companies, to compile geospatial data. Highlighting a range of pertinent topics such as regional landscape mapping, road safety, and land usage, this book is ideally designed for researchers, academics, students, professionals, and practitioners interested in the growing area of volunteered geographic information.
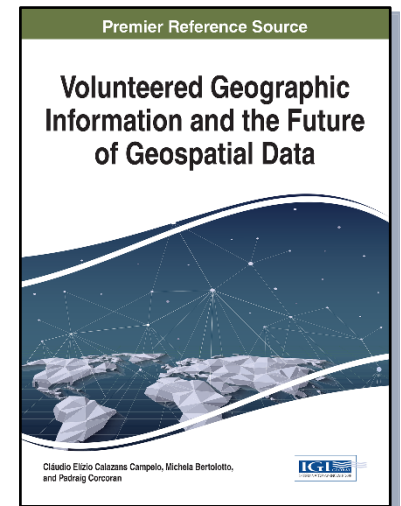
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Topics Covered:

- Digital Rights Management
- Disaster Planning
- Educational Planning
- Land Usage
- Quality Evaluation and Assessment
- Regional Landscape Mapping
- Road Safety

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Claudio Campelo is a Lecturer in the Systems and Computing Department at the Federal University of Campina Grande (UFCG/Brazil). He obtained his Ph.D. from the School of Computing at the University of Leeds (United Kingdom) and holds M.Sc. and B.Sc. degrees from the Systems and Computing Department at UFCG/Brazil. He is currently the department head of the undergraduate program in computer science. His current research interests include topics in data modelling, knowledge representation, information retrieval, handling of conceptual vagueness, and user-aware/context-aware systems. He is particularly interested in spatial and spatio-temporal information: modelling geospatial semantics; event/process modelling; trajectory modelling and prediction; Geographic Information Retrieval (GIR); and Volunteered Geographic Information (VGI).