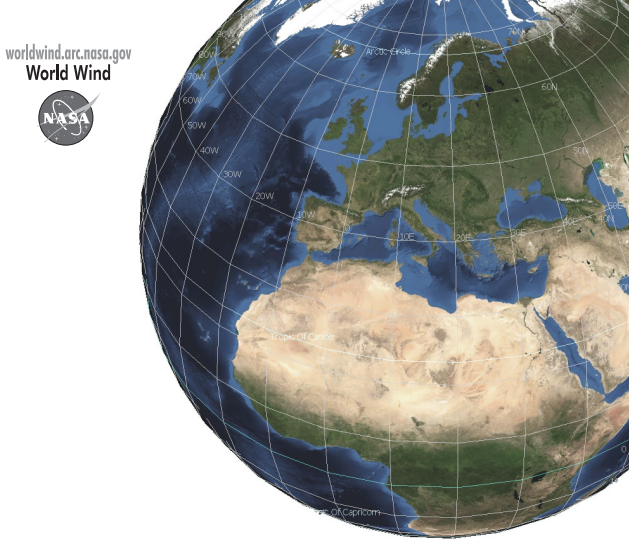

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THE GEOSPATIAL WEB

How Geobrowsers, Social Software and the Web 2.0 are Shaping the Network Society

HTTP://WWW.GEOSPATIALWEB.COM/

With a Foreword by Patrick J. Hogan, Program Manager of NASA World Wind

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Advanced Information and Knowledge Processing Series

The Geospatial Web will have a profound impact on managing knowledge, structuring workflows within and across organizations, and communicating with like-minded individuals in virtual communities. The enabling technologies for the Geospatial Web are geobrowsers such as NASA World Wind, Google Earth and Microsoft Live Local 3D. These three-dimensional platforms revolutionize the production and consumption of media products. They not only reveal the geographic distribution of Web resources and services, but also bring together people of similar interests, browsing behavior or geographic location.

This book summarizes the latest research on the Geospatial Web's technical foundations, describes information services and collaborative tools built on top of geobrowsers, and investigates the environmental, social and economic impacts of geospatial applications. The role of contextual knowledge in shaping the emerging network society deserves particular attention. By integrating geospatial and semantic technology, such contextual knowledge can be extracted automatically – for example, when processing Web documents to identify relevant content for customized news services.

Presenting 25 chapters from renowned international experts, this edited volume will be invaluable to scientists, students, practitioners, and all those interested in the emerging field of geospatial Web technology.

TABLE OF CONTENTS

Foundations of the Geospatial Web

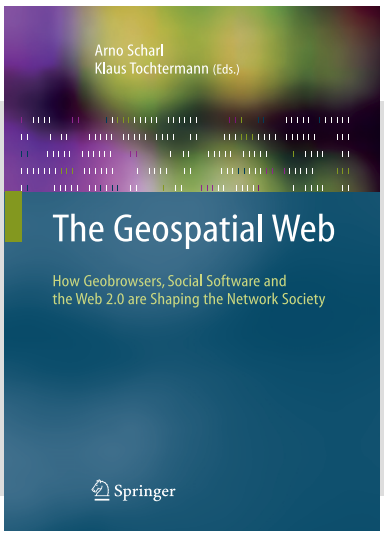
01: Towards the Geospatial Web: Media Platforms for Managing Geotagged Knowledge Repositories
02: Infrastructure for the Geospatial Web
03: Imaging on the Geospatial Web Using JPEG 2000
04: What's so Special about Spatial?

Navigating the Geospatial Web

05: Conceptual Search: Incorporating Geospatial Data into Semantic Queries
06: Location-based Web Search
07: Ubiquitous Browsing of the World
08: Spatiotemporal-Thematic Data Processing for the Semantic Web

Building the Geospatial Web

09: A Semantic Approach for Geospatial Information Extraction from Unstructured Documents
10: Enhancing RSS Feeds with Extracted Geospatial Information for further Processing and Visualization
11: A Supervised Machine Learning Approach to Toponym Disambiguation



www.geospatialweb.com

Geospatial Communities

12: Geospatial Information Integration for Science Activity Planning at the Mars Desert Research Station
13: Inferences of Social and Spatial Communities over the World Wide Web
14: Participating in the Geospatial Web: Collaborative Mapping, Social Networks, and Participatory GIS
15: Sharing, Discovering and Browsing Geotagged Pictures on the World Wide Web
16: Supporting Geo-Semantic Web Communities with the DBin Platform: Use Cases and Perspectives

Environmental Applications

17: A Geospatial Web Platform for Natural Hazard Exposure Assessment in the Insurance Sector
18: Development, Implementation and Application of the WebGIS MossMet
19: European Air Quality Mapping through Interpolation with Application to Exposure and Impact Assessment
20: Introduction to Ubiquitous Cartography and Dynamic Geovisualization with Implications for Disaster and Crisis Management
21: Fire Alerts for the Geospatial Web

Geospatial Services

22: Geospatial Web Services: The Evolution of Geospatial Data Infrastructure
23: SWING: A Semantic Framework for Geospatial Services
24: Similarity-Based Retrieval for Geospatial Semantic Web Services Specified Using the Web Service Modeling Language (WSML-Core)
25: Geospatial Data Integration with Semantic Web Services: The eMerges Approach

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