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Altri autori (Persone)	DobeschHartwig DumolardPierre DyrasIzabela
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Nota di contenuto	Spatial Interpolation for Climate Data; Table of Contents; Preface; Part 1. GIS to Manage and Distribute Climate Data; Chapter 1. GIS, Climatology and Meteorology; 1.1. GIS technology and spatial data (working group 1); 1.1.1. Introduction; 1.1.2. Weather and GIS; 1.1.3. Geographical data, environmental data and weather data; 1.1.4. A GIS approach to access weather data; 1.2. Data and metadata; 1.2.1. Introduction; 1.2.2. Important datasets; 1.2.3. Metadata; 1.2.4. Open Geospatial Consortium; 1.2.5. EU strategies for data handling and standards 1.2.6. Meteorological datasets, important projects and programs 1.2.7. Projects using Earth Observation satellites; 1.3. Interoperability; 1.3.1.

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4.4.2. Possibility of modeling unknown statistical parameters in meteorology 4.4.3. Difference between geostatistics and meteorology; 4.5. Software and connection of topics; 4.6. Example of the MISH application; 4.7. Bibliography; Chapter 5. Uncertainty from Spatial Sampling: A Case Study in the French Alps; 5.1. Introduction; 5.2. The sample as a whole; 5.3. Looking in detail where the sample is not representative; 5.4. Summarizing the sampling uncertainty; 5.4.1. 2D simplification; 5.4.2. 3D generalization; 5.4.3. Geographic homogenous sub-regions of the sample  
5.4.4. Interpolation of a climate parameter

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### Sommario/riassunto

This title gives an authoritative look at the use of Geographical Information Systems (GIS) in climatology and meteorology. GIS provides a range of strategies, from traditional methods, such as those for hydromet database analysis and management, to new developing methods. As such, this book will provide a useful reference tool in this important aspect of climatology and meteorology study.

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