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Nota di contenuto	Cover; Title Page; Copyright; Contents; Biographies; Acknowledgements; List of Contributors; Chapter 1 Introducing the pan-European approach to integration on climate change impacts and vulnerabilities into regional development perspectives; 1.1 Introduction; 1.2 Further research; 1.3 Structure of the book; References; Chapter 2 Methodology for an integrated climate change vulnerability assessment; 2.1 Introduction; 2.2 Overview of the methodology; 2.3 Methodology in detail; 2.3.1 Exposure assessment; 2.3.2 Sensitivity assessment; 2.3.3 Impact assessment; 2.3.4 Adaptive capacity 2.3.5 Vulnerability assessment 2.4 Methodological reflections; 2.5 Conclusion; References; Chapter 3 Identifying a typology of climate change in Europe; 3.1 Introduction; 3.2 Methods applied; 3.2.1 Climate change indicators; 3.2.2 Technique of the cluster analysis; 3.2.3 Determination of the number of clusters; 3.2.4 Uncertainty analysis; 3.3 Results and discussion; 3.3.1 Typologies of climate change regions; 3.3.2 Uncertainty analysis; 3.4 Conclusion; References; Chapter 4

Climate change exposure assessment of European regions; 4.1 Introduction; 4.2 Future climate projections: the CCLM model 4.3 Indicators on exposure to climatic stimuli 4.4 Patterns of climatic changes across Europe; 4.4.1 Change in annual mean temperature; 4.4.2 Change in annual mean number of frost days; 4.4.3 Change in annual mean number of summer days; 4.4.4 Relative change in annual mean precipitation in winter months; 4.4.5 Relative change in annual mean precipitation in summer months; 4.4.6 Change in annual mean number of days with heavy rainfall; 4.4.7 Relative change in annual mean evaporation; 4.4.8 Change in annual mean number of days with snow cover 4.4.9 Change in inundation through coastal storm surges 4.4.10 Change in inundation through river flooding; 4.5 Conclusion; References; Chapter 5 Physical, environmental, social and cultural impacts of climate change on Europe's regions; 5.1 Introduction; 5.2 Physical impacts of climate change; 5.2.1 Settlements prone to river flooding; 5.2.2 Settlements prone to flash floods; 5.2.3 Settlements prone to coastal storm surges; 5.2.4 Combined potential impacts of climate change on settlements; 5.2.5 Transport and energy infrastructure prone to river flooding 5.2.6 Transport and energy infrastructure prone to coastal storm surges 5.2.7 Transport infrastructure prone to flash floods; 5.2.8 Potential impact of climate change on major roads and railways; 5.2.9 Potential impact of climate change on airports and harbours; 5.2.10 Potential impact of climate change on thermal power stations and refineries; 5.2.11 Combined physical impact of climate change; 5.3 Environmental impacts of climate change; 5.3.1 Forests sensitive to forest fires; 5.3.2 Potential impact of climate change on forest fires; 5.3.3 Protected natural areas 5.3.4 Potential impact of climate change on NATURA 2000 protected areas

Sommario/riassunto

"Provides a comprehensive analysis of the impacts climate change might have on European regions and their local economies"--
