

1. Record Nr.	UNINA9910163542303321
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Titolo	Counteracting Urban Heat Island Effects in a Global Climate Change Scenario [[electronic resource] /] / edited by Francesco Musco
Pubbl/distr/stampa	Cham, : Springer Nature, 2016 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-10425-X
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (LIII, 400 p. 213 illus., 181 illus. in color.)
Disciplina	577.27
Soggetti	Climate change Remote sensing Energy efficiency Physics Climate Change Remote Sensing/Photogrammetry Energy Efficiency Climate Change/Climate Change Impacts Applied and Technical Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I The Urban Heat Island – Evidence, Measures and Tools -- Forecasting Models for Urban Warming in Climate Change -- Assessment Indication and Gold Standard -- Methodologies for UHI Analysis -- Decision Support Systems for Urban Planning -- Part II Pilot Actions in European Cities -- Counteracting Urban Heat Islands: Solutions for European Cities. .
Sommario/riassunto	Urban Heat Islands (UHIs) are a microclimatic phenomenon which manifests as a significant increase in the temperature of cities compared to their surrounding areas. Recently the phenomenon has been enforced by the tendency to climate change and in particular by extreme climate events. This book presents and analyzes the results of a project to develop and apply mitigation and adaptation strategies and measures for counteracting the global urban heat islands phenomenon,

supported by the EU's Central Europe Regional Development Fund. Pilot studies were carried out in eight metropolitan areas: Bologna/Modena, Budapest, Ljubljana, Lodz, Prague, Stuttgart, Venice/Padua, and Vienna. The project involved feasibility studies and strategies for appropriately altering planning rules and governance to tackle the problem of UHIs, and focused on the specific morphology of EU urban areas, which are often characterized by the presence of historical old towns. The first part of the book is devoted to evidence, measures and tools, including tools to facilitate UHI analysis and decision support systems. The second part explores measures for counteracting urban heat islands, including specific analysis of the case studies and offering solutions for European cities. The volume includes supplemental materials such as references, glossaries and keyword lists. The UHI management plans developed here can be integrated into national and regional sustainable development approaches for urban and land planning. They can also contribute to the application of innovative urban planning techniques that foster a new "climate proof" planning approach in European cities. UHI project has been implemented through the CENTRAL EUROPE Programme co-financed by the ERDF.

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2. Record Nr. UNISALENT0991000196489707536

Autore Lunardi, Roberto

Titolo Arte e storia in Santa Maria Novella / Roberto Lunardi

Pubbl/distr/stampa Firenze : Salani Editrice, 1983

Lingua di pubblicazione Non definito

Formato Materiale a stampa

Livello bibliografico Monografia