

1. Record Nr.	UNINA9910337925103321
Titolo	Urban Climates in Latin America // edited by Cristián Henríquez, Hugo Romero
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-97013-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (414 pages)
Disciplina	307.76
Soggetti	Climate change Environmental geography Climatology Human geography Environmental policy Urban geography Climate Change Environmental Geography Human Geography Environmental Politics Urban Geography / Urbanism (inc. megacities, cities, towns)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction (Cristián Henríquez and Hugo Romero) -- Part I: Urban Heat Island, Local Climate Zone and Thermal Comfort -- Chapter 2. Urban Climates of Large Cities: Comparison of Urban Heat Island Effect in Latin American (Pablo Sarricolea and Oliver Meseguer-Ruiz) -- Chapter 3. Urban Climate in the South-American Coastal Cities of Guayaquil, Lima, Antofagasta and Valparaiso and its Impacts on the Buildings' Energy Efficiency (Massimo Palme, Luis Inostroza, Geovanna Villacreses, Claudio Carrasco and Andrea Lobato) -- Chapter 4. Improving Urban Planning in a Middle Temperate Argentinean City. Combining Urban Climate Mapping with Local Climate Zones (Natasha Picone and Alicia Campo) -- Chapter 5. Thermal Differences, Comfort / Discomfort and Humidex Summer Climate in Mar del Plata, Argentina

(Mónica García) -- Chapter 6. A Comparative Study of Thermal Comfort in Public Spaces in the Cities of Concepción And Chillán, Chile (Pamela Smith, Cristóbal Lamarca and Cristián Henríquez) -- Part II: Air Pollution and Urban Climates -- Chapter 7. Urban Air Pollution (Héctor Jorquera, Lupita Montoya and Nestor Y. Rojas) -- Chapter 8. Urban Trees and its Relationships with Air Pollution by Particulate Matter and Ozone in Santiago de Chile (Margarita Préndez, Mauricio Araya, Carla Criollo, Claudia Egas, Iván Farías, Raúl Fuentealba and Edgardo González) -- Chapter 9. Urban Climates and the Unsustainable Development of Chilean Cities (Hugo Romero) -- Part III: Climate Disasters, Health and Urban Resilience -- Chapter 10. The Urban Climate System and the Impacts of Flooding on Rio De Janeiro (RJ), Brazil (Nubia Beray Armond and João Lima Sant'Anna Neto) -- Chapter 11. 50-Years of Climate Extreme Indices Trends and Inventory of Natural Disasters in Chilean Cities (1965-2015) (Cristián Henríquez, Jorge Qüense, Claudia Villarroel and Cindy Mallea) -- Chapter 12. Urban Climate and Dengue Epidemics in Brazil (Wilson Roseghini, Francisco Mendonça and Pietro Ceccato) -- Chapter 13. Green Infrastructure Planning to Tackle Climate Change in Latin American Cities (Alexis Vásquez, Emanuel Giannotti, Elizabeth Galdámez, Paola Velásquez and Carolina Devoto) -- Chapter 14. Incorporating Resilience and Adaptive Strategies to Climate Change in Urban and Territorial Planning in Uruguay (Adriana Goñi Mazzitelli, Ingrid Roche, Pablo Sierra and Isabel Gadino) -- Chapter 15. Assessing Climate Risk in Small and Intermediate Towns and Cities: A Preliminary Rapid Appraisal Tool and its Application in Florencia, Colombia (Ayesha Salas and Jonathan Barton).

Sommario/riassunto

This book describes the observation of urban climates in Latin-American and their relationships with urban sprawl, the economic emergence of Latin American countries, social segregation, urban ecology, disasters and resilience. The chapters include contributions dealing with urban heat islands, local climate zones, thermal comfort, air pollution, extreme climate index, green infrastructure, health issues and adaptations based on the socio-economic background of urban areas. This book revises the role of urban planning and environmental governance, highlighting the singularities in climate adaptation policies in developing countries.
