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applications -- 11. Artificial Intelligence and Environmental Decision Support Systems -- 12. Artificial Intelligence for Urban Planning and Building Smart Cities.

Sommario/riassunto	This book highlights the significance and necessity of artificial intelligence based techniques and devices for different environmental sectors. With the recent advancements in technology, artificial intelligence and IOT based devices have drawn the attention of researchers and industries for its applications in various sectors. This book provides the coverage to various applications of environmental sectors such as air and water quality monitoring, waste management, disaster management, sustainable agriculture, urban planning and building smart cities, climate change prediction, etc. It also covers the opportunities and challenges for inclusion of AI in environmental applications and the related ethical implications of it. This book may be of interest to researchers, academicians, environmentalists, climate change scientists, industrialists, and policymakers. It may also serve as additional reading material for undergraduate and graduate students of environmental sciences, artificial intelligence and modeling, etc. .