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Nota di contenuto	Section 1 Problems of SUITMA diagnostic and classification -- Section 2 Spatial temporal variability of urban soils features and processes -- Section 3 Urban soils' functions and ecosystem services: from concepts to application -- Section 4 Bioremediation and reclamation of soils contaminated with oil products, heavy metals and radionuclide -- Section 5 Genesis, geography, soil features and processes in SUITMAs part I -- Section 6 Genesis, geography, soil features and processes in SUITMAs part II -- Section 7 Policies and strategies to support and

maintain urban soils quality -- Section 8 Environmental impacts assessment, standardization and certification of urban soils -- Section 9 Soil ecological monitoring in urban ecosystems -- Section 10 Biogeochemical cycles in urban soils: climate change perspective -- Section 11 Soil basis for urban farming -- Section 12 Urban soil as cultural heritage -- Section 13 Urbanization and sustainable development -- Section 14 Modeling and projecting sustainable development of the megapolises: the New Moscow Project. .

Sommario/riassunto

This proceedings volume focuses on different aspects of environmental assessment, monitoring, and management of urban and technogenic soils. Soils of Urban, Industrial, Traffic, Mining and Military Areas (SUITMAs) differ substantially from their natural zonal counterparts in their physical, chemical and biological features, their performed functions, and supported services. This book discusses the monitoring, analysis and assessment of the effects of urbanization on soil functions and services. Further, it helps to find solutions to the environmental consequences of urbanization and discusses best management practices such as management and design of urban green infrastructure, waste management, water purification, and reclamation and remediation of contaminated soils in the context of sustainable urban development. The book includes thematic sections corresponding to 14 sessions of the SUITMA 9 congress, covering broad topics that highlight the importance of urban soils for society and environment and summarizing the lessons learned and existing methodologies in analyses, assessments, and modeling of anthropogenic effects on soils and the related ecological risks. This proceedings book appeals to scientists and students as well as practitioners in soil and environmental science, urban planning, geography and related disciplines, and provides useful information for policy makers and other stakeholders working in urban management and greenery.