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Titolo	Advanced Technologies for Sustainable Development of Urban Green Infrastructure : Proceedings of Smart and Sustainable Cities 2020 // edited by Viacheslav Vasenev, Elvira Dovletyarova, Riccardo Valentini, Zhongqi Cheng, Carlo Calfapietra, Luis Inostroza, Michael Leuchner
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Tree health of Larix sibirica Ledeb. in the railway impact zone on Kola Peninsula -- The influence of soil quality on trees' health in urban forest -- Ground penetrating radar tomography application to study of live tree trunks: case studies of defects detection -- Morphological and Macroanatomical Indicators of Long-Term and Current State of Trees of Quercus -- Carbon Dioxide Fluxes of an Urban Forest in Moscow -- Regulating Ecosystem Services in Russian cities: Can Urban Green Infrastructure Cope with Air Pollution and Heat Islands? -- Effects of Small Water Bodies on the Urban Heat Island and their Interaction with Urban Green Spaces in a Medium-Size City in Germany -- Assessment of Soil Properties and Tree Performance on Fountain Avenue and Pennsylvania Avenue Landfills in New York City -- Variability of

Infiltration Rates at Selected Green Infrastructure Sites in New York City -- Assessment of soil heavy metal pollution by land use zones in small towns of the industrialized Arctic region, Russia -- Activity concentration of natural radionuclides and total heavy metals content in soils of urban agglomeration -- Metabolic adjustments in urban lawns in response to soil salinization -- Impact of Overgrown plant Deposit on physicochemical properties: Sod-podzolic soils during the last 60 years in the Central State Biosphere Forest Reserve, Western European Part of Russia -- Culturable Airborne Fungi of Urban, Forest and Coastal Areas of the Kola Peninsula -- Toxic Cyanobacteria in the arctic lakes: new environmental challenges. A case study -- Unfavorable impact of the urbanization on the immune antiviral protection in children: the relationship with recurrent respiratory infections -- Urbanization Effect on Children's Autonomic Nervous System -- The Prevalence of Atopic Dermatitis among Children and Adults in Kazakhstan -- Some features of the key phenotypes of allergic rhinitis among children in a metropolis -- Playground arrangement for children with special health needs -- Environmental, social and economic potentials of urban protected areas: case study of Moscow, Russia -- Assessing the proposed volume of recreational ecosystem services: case study of Moscow's urban protected areas -- National park «Elk Island» in the Moscow region's green infrastructure -- The concept of ecosystem services in Russian urban legislation -- Environmental safety of urbanized territories as a developing institution for ensuring the vital interests of mankind -- Environmental Assessment of Thermal Energy Facilities Impact on Ecosystem Services for the Production of Oxygen in Urban Settlements -- Ecological assessment of rapeseed cultivation to improve chemically degraded urban Albic Luvisol -- Cultural Ecosystem Services of Urban Green Spaces. How and what people value in urban nature? -- Ecosystem services approach for landscaping project: the case of Metropolis Residential Complex.

#### Sommario/riassunto

This proceedings book focuses on advanced technologies to monitor and model urban soils, vegetation and climate, including internet of things, remote sensing, express and non-destructive techniques. The Smart and Sustainable Cities (SSC) conference is a regular event, organized each second year in RUDN University (Russia) and providing a multidisciplinary platform for scientists and practitioners in urban environmental monitoring, modeling, planning and management.