

UNECE

Smart Sustainable Cities Profile

BISHKEK, KYRGYZSTAN



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NOTE

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PREFACE

The Smart Sustainable Cities Profile of Bishkek, Kyrgyzstan was developed under the aegis of the United Nations Development Account (UNDA) 12th tranche project on innovative financing for smart sustainable cities, with the guidance of the United Nations Economic Commission for Europe (UNECE) Housing and Land Management Unit. The City Profile was developed in cooperation with the Bishkek City Government, in particular Bishkek City Hall, Office of the Mayor and Vice-Mayor, and the Public State Department for Capital Development. The latter has remained in close cooperation with UNECE regarding further development of investment potential in the city through 2021.

The Bishkek City Profile is divided into seven parts and presents the outcomes of the city evaluation against the Key Performance Indicators (KPIs) for Smart Sustainable Cities (SSC) and proposes actions for the city to make progress towards achieving the Sustainable Development Goals (SDGs). It provides guidance to the city for the development, review and implementation of urban policies, programmes, and projects, and for building partnerships, with a view to reinforcing the implementation of the 2030 Agenda for Sustainable Development and SDG11 in Kyrgyzstan and in the UNECE region. The KPIs for SSC are a public and freely available standard developed by the United Nations Economic Commission for Europe (UNECE) and the International Telecommunication Union (ITU) in the context of the United for Smart Sustainable Cities (U4SSC) initiative. U4SSC is coordinated by UNECE, ITU and the United Nations Human Settlements Programme (UN-Habitat) and is supported by 14 other United Nations agencies.

Part I of the Bishkek City Profile presents a general overview of the geographic and administrative features of the city. Part II outlines key focus areas relevant to the continued sustainable urban development of Bishkek, including urban development trends since 1989 and projected future trends. The legal and institutional framework, and the funding and financing mechanisms for urban development in the city are presented in parts III and IV, respectively. Part V discusses the results of the evaluation of the performance of Bishkek against the three dimensions of the KPIs for SSC – economy, environment, and society and culture. In light of the global COVID-19 pandemic, a specific chapter was devoted to the socio-economic impacts of the pandemic in Bishkek (part VI). Policy recommendations (part VII) form the final part of the publication based on the evaluation results in part V. Recommendations lend specific emphasis to the sub-areas of informal settlements and impact of the pandemic, which has disproportionately affected most vulnerable groups forming a substantial portion of the urban population of Bishkek.

The Bishkek City Profile was endorsed at the 82nd session of the Committee on Urban Development, Housing and Land Management in October 2021.



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UNECE consultants

Tommaso Bassetti	Lead author
Anthony Salazar	
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Agata Krause	

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ACRONYMS AND ABBREVIATIONS

AECOM	Architecture, Engineering, Construction, Operations, and Management
AIS	automatic identification system
BOD	biochemical oxygen demand
BRT	bus rapid transit
C40	C40 Cities Climate Leadership Group
CDIA	Cities Development Initiative for Asia
COVID-19	coronavirus disease 2019
DRCU	Disaster Response Coordination Unit
EMF	electromagnetic field
EBRD	European Bank for Reconstruction and Development
EU	European Union
GDP	gross domestic product
GHG	greenhouse gas
Gj	gigajoules
IBM	International Business Machines Corporation
ICT	information and communications technology
ITU	International Telecommunication Union
KGS	Kyrgyzstani som
KPI	key performance indicator
kWh	kilowatt hour
MCR2030	Making Cities Resilient 2030
µg/m ³	micrograms per cubic metre
NGO	non-governmental organization
NO ₂	nitrogen dioxide
NSDI	National Spatial Development Infrastructure
O ₃	ozone
PM	particulate matter
PPE	personal protective equipment
ROECA	Regional Office for Europe and Central Asia
SDG	Sustainable Development Goal
SME	small and medium enterprises

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