



PROMOTING CIRCULARITY IN REBUILDING UKRAINIAN CITIES

Thematic workshop organized in the framework of the project “UN4Kharkiv: Integrated Rehabilitation of Settlements (Territories) in Ukraine with a pilot project in the city of Kharkiv”

25 November 2022, from 2:00 p.m. to 4:30 p.m. CET/ 3:00 p.m. to 5:30 p.m. Kyiv

Please register for the workshop at:

<https://unece.org/info/Housing-and-Land-Management/events/372763>

Background

The [Ministry for Communities and Territories Development of Ukraine](#) has requested the [United Nations Economic Commission for Europe \(UNECE\)](#) to provide technical assistance on urban development and housing. In response the project “UN4Kharkiv: Integrated Rehabilitation of Settlements (Territories) in Ukraine with a pilot project in the city of Kharkiv” has been launched and is being implemented by the United Nations Economic Commission for Europe (UNECE). It supports efforts of the national and local governments in Ukraine for the planning of and preparations for the rebuilding of cities based on the “building back better” principle. It focuses on the pilot city of Kharkiv.

Since the [II Forum of Mayors](#) in April 2022, upon the request of the Mayor of Kharkiv Mr Ihor Terekhov and under the patronage of the [Norman Foster Foundation](#), preparations have been underway to develop a new Master Plan for the city of Kharkiv. The development of the Master Plan is being led by Lord Norman Foster, the Norman Foster Foundation and [ARUP Berlin](#) in cooperation with national architects, engineers and practitioners as well as international experts and relevant development partners. UNECE is working with other UN agencies within the context of the UN4Kharkiv, which comprises – representatives of 16 UN agencies.

Ukrainian cities undergo an unprecedented level of destruction. Buildings and infrastructure in many cities which were shelled have been severely damaged or destroyed. As of September 2022, the total number of destroyed or damaged housing stock is about [135.8 thousand buildings](#), among them 119.9 thousand are private (individual) houses; 15.6 thousand – multi-apartment buildings; 0.2 thousand – dormitories. Damages to residential buildings comprise the largest share of the total volume of documented damage to residential and non-residential real estate – [39.7% or \\$50.5 billion](#) out of \$127 billion (at replacement cost).

Waste from destruction creates a huge challenge for Ukrainian cities. Even before the full-scale aggression, construction waste made up the main share of waste in landfills. Now the magnitude of the challenge increased dramatically. Moreover, rebuilding cities will require massive amounts of natural resources, which will damage natural ecosystems.

To reduce this pressure the principles of circular economy should be applied starting from the very beginning. Circular approach will decrease the amount of waste disposed at the landfills and preserve natural ecosystems. It will also foster business models and economic behavior which decouple resource use from economic activity by maintaining the value and utility of products,

components and materials in order to close material loops and minimize harmful resource use and waste generation.

Extending circularity principles to all aspects urban life, cities will seek to improve human well-being, reduce emissions, protect and enhance biodiversity, and promote social justice, in line with the Sustainable Development Goals.

The Government of Ukraine already made the first step in bringing circularity into the reconstruction process. By the approved by the Cabinet of Ministers of Ukraine on September 27, 2022 [Procedure for handling waste](#) generated in connection with the damage (destruction) of buildings and structures as a result of hostilities or carrying out work to eliminate their consequences, the Government of Ukraine establishes, among other things, a list of components of waste from destruction and possible ways of their reuse in construction, construction materials industry.

The goal of the workshop is to discuss challenges, international practices, solutions and best examples to ensure circularity during the rebuilding of Ukrainian cities with the focus on the city of Kharkiv. It will provide practical solutions and support the regional exchange of experiences and good practices in countries of the UNECE region on promoting rebuilding Ukrainian cities using circular economy principles after the war.

Organizers & Participants:

The [United Nations Economic Commission for Europe \(UNECE\)](#) organizes the workshop in cooperation with the Ministry for Communities and Territories Development of Ukraine and the city government of Kharkiv.

Participants include representatives of the city of Kharkiv and Mykolaiv, Ministry for Communities and Territories Development of Ukraine, Ministry of Environment Protection and Natural Resources of Ukraine, UN agencies and international organizations, donor community, NGOs and think tanks, business, international and Ukrainian exerts community.

Language:

The workshop will be conducted in English and Ukrainian with simultaneous translation.

For more information, please contact:

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Agenda

Moderator: Gulnara Roll, Regional Adviser, Forests, Land and Housing Division, UNECE

Time (CET)	Item
14:00 – 14:20	Opening and Welcome
(20 minutes)	<p>Natalia Kozlovska, Deputy Minister for Communities and Territories Development of Ukraine</p> <p>Yevgen Fedorenko, Deputy Minister of Environment Protection and Natural Resources of Ukraine</p> <p>Sarangoo Radnaaragchaa, Regional Adviser, Environment Division, UNECE</p>

14:20 – 14:50	Session 1: Setting the scene: What are the short- and long-term challenges for promoting circularity in rebuilding cities in Ukraine?
(30 minutes)	<p>Stuart Smith, Director, ARUP, Berlin</p> <p>Olga Demyanenko, Director, Department for Cooperation with International Agencies and Financial Institutions, Kharkiv City Council, Ukraine (</p> <p>Questions and answers</p>
14:50 – 15:30	Session 2: International practices of circularity in cities
(40 minutes)	<p>Oriana Romano, Head of Unit, OECD Water Governance and Circular Economy in Cities, OECD Centre for Entrepreneurship, SMEs, Cities and Regions</p> <p>Nicolai Riise, CEO, Mad Arkitekter, Oslo</p> <p>Kari Herlevi, Project Director, Circular Economy, The Finnish Innovation Fund Sitra</p> <p>Hélène Chartier, Director of Urban Planning & Design, C40 Cities</p> <p>Questions and answers</p>
15:30 – 15:40	Coffee break
15:40 – 16:25	Session 3: What are the short- and long-term solutions and best examples for promoting circularity in rebuilding cities in Ukraine?
(45 minutes)	<p>Dmytro Fomenko, Head of Kharkiv architects working group, Kharkiv</p> <p>Andriy Gnap, CEO/Data Analyst at Waste Ukraine Analytics and open data trainer, Khmelnytsky, Ukraine</p> <p>Martin Bjerregaard, Debris & Waste Management Expert, UNDP Ukraine</p> <p>Andrii Vorfolomeiev, Director of the Resource Efficient and Cleaner Production Centre, Kyiv, Ukraine</p> <p>Roman Puchko, Co-founder and CEO, ReThink, Kyiv, Ukraine</p> <p>Alberto Cendoya, Architect, Norman Foster Foundation</p> <p>Questions and answers</p>
16:25 – 16:30	Wrap-up and Conclusions
	Gulnara Roll , Regional Adviser, Forests, Land and Housing Division, UNECE