



EU-Russia exchange on sustainable building policies and measures

Workshop 3 Agenda

Sustainable Life Cycle of buildings

A holistic approach to deliver sustainable buildings and reduce waste

November 26th, 2021

9:00 - 11:30 (Brussels time) / 11:00 – 13:30 (Moscow time)

The built environment has a significant impact on many sectors of the economy and is one of the most resource-consuming sectors in the EU, accounting for approximately half of all extracted materials, half of the total energy consumption, and one-third of water consumption. In the EU, the focus is shifting from policies regarding energy efficiency and reducing greenhouse gas emissions during the operational phase, to a lifecycle assessment of the environmental impact of the buildings and limiting the embodied greenhouse gas emissions. Construction and demolition waste accounts for more than a third of all waste generated in the EU.

Greenhouse gas emissions from material extraction, manufacturing of construction products, construction, and renovation of buildings are estimated at 5-12% of total national GHG emissions. Resource efficiency in buildings aims to reduce resource use and limit buildings' environmental impact throughout their lifecycle - from material extraction used in the construction phase, to resource use during occupancy and maintenance, material recovery at demolition. The new circular economy action plan (CEAP) published by the European Commission in March 2020 is one of the pillars of the European Green Deal and aims to support the transition to a circular economy, a reduction of the pressure on natural resources, and an increase of sustainable growth and jobs.

During the workshop, representatives of local authorities, resource efficiency experts, companies, and industry associations active in circular construction will share their experience and present their views on circularity, real-life projects, and industry-led initiatives supporting the transition towards a sustainable built environment in Russia and the EU.

Welcome		
Brussels time		Moscow time
09:00 – 09:10	Welcome, housekeeping and agenda Oliver Rapf (BPIE) and Marianna Brodach (ABOK)	11:00 – 11:10

09:10 – 09:25	Reducing carbon emissions along the building's entire life cycle – European approaches Josefina Lindblom (European Commission – DG Environment)	11:10 – 11:25
Session 1: Decarbonising the building stock along the entire lifecycle of the building Methodological approaches to account for whole life carbon emission reductions in buildings		
09:25 - 09:40	Holistic approach to urban renovation and BREEAM Communities Ksenia Agapova (MC Expert LLC)	11:25 - 11:40
09:40 – 09:50	Madaster – material passport and online registry for buildings, materials and products Pablo van den Bosch (Madaster Foundation)	11:40 – 11:50
09:50 - 10:20	Panel discussion Moderated by Oliver Rapf and Marianna Brodach	11:50 - 12:20
10:20 – 10:30	BREAK	12:20 – 12:30
Session 2: Circular constructions – strategies and good practice examples from Europe		
10:30 – 10:40	Transformation Strategies and good practices of circular constructions Vladimir Gumilar (European Circular Construction Alliance ECCA)	12:30 – 12:40
10:40 – 10:50	Cradle to cradle refurbishment Nora Sophie Griefahn (C2C Lab)	12:40 – 12:50
10:50- 11:20	Panel discussion Moderated by Oliver Rapf and Marianna Brodach Including participation of Guy Eames, Russian Green Building Council	13:00- 13:30
11:20 – 11:30	Closing remarks and key takeaways Oliver Rapf and Marianna Brodach	13:30 – 13:40

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