PROVISIONAL PROGRAMME

(version of 24 May 2024)

REGIONAL TRAINING ON THE PRODUCTION AND USE OF WASTE AND CIRCULAR ECONOMY STATISTICS AND INDICATORS

Producing, sharing and using high-quality information for cleaner production and consumption

20-21 June 2024

Thursday, 20 June 2024	
09:30 – 9:50	**Session 1: Opening and introduction** Session: Chair Michael Nagy, UNECE Opening remarks • Christine Kitzler, UNECE • Tatiana Chernyavskaya, UNIDO • Johannes Mayer, Environment Agency Austria Information about the structure of training, main objectives and housekeeping items, Christine Kitzler, UNECE
9:50 – 11:50	**Session 2: Setting the scene: Why measuring waste and a transition to a circular economy matters – and what are the main challenges?** In this session countries and international organizations will share their experiences in producing and using waste statistics and indicators for national, regional and global policy making and implementation. Session Chair: Michael Nagy, UNECE Key messages and lessons learned from regional and global waste assessments and reporting • The Global Waste Management Outlook 2024, Daniel Ternald, UNEP • Waste statistics for measuring circular economy and sustainable use of natural resources: Measurement challenges from moving from a linear economy to a circular economy (based on CES Waste Statistics Framework and CES Guidelines for Measuring Circular Economy) (Myriam Linster, UNECE consultant) • European Union's (EU) monitoring framework for circular economy and status of CE implementation in the EU, (Eurostat, tbc) • The role of industry and business in waste management and circular economy: Industrial waste mapping in the EU's Eastern Partnership

	countries - methodology and conclusions (Tatiana Chernyavskaya, UNIDO) • Initiative on innovative circular economy approaches in municipal and agricultural waste management in the Western Balkans (Aleksandra Siljic Tomic, UNEP) • Waste and circular economy statistics in the context of global industrial statistics (Martin Haitzmann, UNIDO) Waste and circular economy statistics in the national policy context: • Example Republic of Moldova: Implementation of Extended Producer Responsibility (Denis Macovschi, Environment Agency of the Republic of Moldova) • Country example 2 Q&A
11:50 – 12:30	**Session 3: Main concepts, terms, definitions and classifications used in waste statistics** This session will introduce the most relevant terms and definitions, as well as classifications relevant for waste statistics and indicators. Including: what is waste? What is "municipal waste"? What is included in waste management? Waste classifications? Scope of waste statistics? What is hazardous waste? Etc. The session will also introduce the main international questionnaires on waste statistics. Session Chair: Christine Kitzler, UNECE • Presentation of UNSD/UNEP questionnaire and OECD/Eurostat Joint questionnaire: Purposes, structure, content, lessons learned (Myriam Linster, UNECE consultant) • EU Waste Statistics Regulation: Main purpose, content, lessons learned (Christian Heidorn, UNECE consultant) Q&A
12:30 - 14:00	**Lunch break**
14:00 – 15:00	**Session 3 cont.: Main concepts, terms, definitions and classifications used in waste statistics and indicator development** • Main terms and definitions (Myriam Linster, UNECE consultant) • Important classifications (Christian Heidorn, UNECE consultant) Q&A
15:00 – 17:00	**Session 4: Statistics and indicators on waste generation and waste composition** This session will provide practical examples on how to measure generation of waste in general, municipal waste in particular, and how to determine composition of waste. It addresses the production of the following UNECE indicators: • Municipal waste generation • Municipal waste generated per capita • Municipal waste composition

	• Total waste generation / Total waste generation per capita • Waste generation intensity per unit of GDP Session Chair: Christine Kitzler, UNECE • Overview on waste-related indicators in the UNECE Guidelines for the Application of Environmental Indicators (Michael Nagy, UNECE) • Training on indicators (Myriam Linster and Christian Heidorn, UNECE Consultants) • Example Greece: Electronic register of waste (Dimitrios Meimaris, UNECE Consultant) • Chemicals and Waste Data for promoting circularity and safe and sound environmental final disposal (Veronica Villacis, UNIDO) Q&A

Friday, 21 June 2024	
09:30 – 11:15	**Session 5: Statistics and indicators on waste management** This session will provide practical examples on how to produce statistics and indicators on waste management. It addresses the production of the following UNECE indicators: • Municipal waste collection rates • Proportion of municipal solid waste regularly collected and with adequate final discharge out of total waste generated, by cities (SDG 11.6.1) • Municipal waste destinations (recycling, landfilling, waste-to-energy, uncontrolled) • Municipal waste recycled • Municipal waste treated by waste-to-energy plants • Municipal waste (MSW) landfilling rates • Uncontrolled disposal of municipal waste • National recycling rate, tons of material recycled (SDG 12.5.1) • Diversion of waste from landfill • Recovery rate of construction and demolition waste Session Chair: Johannes Mayer, Environment Agency Austria • Training on indicators by UNECE consultants (Myriam Linster, Christian Heidorn) • Serbia: Collection and availability of waste management data (policy provisions, sanitary/controlled and unsanitary/uncontrolled disposal of municipal solid waste, landfill fires) (Nebojša Redžić, Serbian Environmental Protection Agency) Q&A
11:15 – 12:30	**Session 6: Statistics and indicators on hazardous wastes** This session will provide practical examples on how to produce statistics and indicators on hazardous wastes. It addresses the production of the following indicators: • Hazardous waste generated per capita (SDG 12.4.2a)

	• Proportion of hazardous waste treated, by type of treatment (SDG 12.4.2b) • Stock of hazardous waste at the end of the year Session Chair: Johannes Mayer, Environment Agency Austria • E-waste monitor 2024 (remote, Kees Balde, UNITAR) • Training on indicators by UNECE consultant (Christian Heidorn), including an introduction of the main concepts and definitions of the Basel Convention • Sharing of practical experiences of participating country experts Q&A
12:30 – 14:00	**Lunch break**
14:00 – 14:45	**Session 7: Measuring circular economy** This session will give an introduction on how to measure Circular Economy, based on the conceptual framework, list of indicators and measurement framework of the "CES Guidelines for Measuring Circular Economy, Part A". It will also discuss relationships with other related measurement frameworks, such as from UNIDO or the European Union. Session Chair: Tatiana Chernyavskaya, UNIDO • Presentation of CES Guidelines (Myriam Linster, UNECE consultant) • Presentation of Circular Economy related activities of UNIDO (speaker tbc, UNIDO) Q&A
14:45 – 16:00	**Session 8: Production of other indicators for waste and materials management policies, including circular economy** This session will discuss a few additional priority indicators, which are relevant for measuring waste-related policies and the circular economy. It addresses the production of the following indicators: • Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (SDG 8.4.2 and 12.2.2) • Circular Material Use Rate (CMUR) • Other relevant CE-related indicators Session Chair: Michael Nagy, UNECE • Training by UNECE consultants • Global Material Flows Database (remote, UNEP, Ekaterina Poleshchuk) • Country example Georgia: Production of Material Flow Accounts and calculation of DMC (Irakli Tsikhelashvili, Geostat) Q&A
16:00 – 16:50	**Session 9. Reporting and use of waste statistics and indicators** This session will focus on how waste statistics (and indicators) are used in international reporting and how they can inform national policies. Session Chair: Johannes Mayer, Environment Agency Austria

	Short presentations may include: • Reporting under the Shared Environmental Information System (SEIS) on waste and circular economy in 2024 (Dimitrios Meimaris, UNECE consultant) • Indicator-based "country spaces" in the European State of the Environment SOER2025 report – status and challenges (EEA/Umweltbundesamt) • National waste management plans (tbc)
16:50 - 17:00	**Conclusions and recommendations** • UNECE consultants Myriam Linster and Christian Heidorn • Closing by UNECE, UNIDO and Environment Agency Austria

About EU4Environment – Water Resources and Environmental Data

The programme aims at improving people's wellbeing in EU's Eastern Partner Countries and enabling their green transformation in line with the European Green Deal and the Sustainable Development Goals (SDGs). The programme's activities are clustered around two specific objectives: 1) support a more sustainable use of water resources and 2) improve the use of sound environmental data and their availability for policy-makers and citizens. It ensures continuity of the Shared Environmental Information System Phase II and the EU Water Initiative Plus for Eastern Partnership programmes.

The Action is implemented by five Partner organisations: Environment Agency Austria (UBA), Austrian Development Agency (ADA), International Office for Water (OiEau) (France), Organisation for Economic Co-operation and Development (OECD), United Nations Economic Commission for Europe (UNECE). The action is co-funded by the European Union, the Austrian Development Cooperation and the French Artois-Picardie Water Agency based on a budget of EUR 12,75 million (EUR 12 million EU contribution). The implementation period is 2021-2024.