

Global Webinar on Geospatial and Other Data Sources for Environment Statistics: Assessing the Impact of the Economy on the Environment

Online meeting¹, 18-20 April 2023

Agenda (version of 20 April 2023)

Note: Times are in Greenwich Mean Time / Universal Coordinated Time (GMT/UTC).

Tuesday, 18 April 2023	
Session 1: Opening and Introduction	
Moderator: Coen Bussink, UNODC	
06:00 – 06:15	Housekeeping items – <i>Coen Bussink, UNODC</i> Welcome and opening addresses <ul style="list-style-type: none"> • Angela Me, Chief of the Research and Trends Analysis Branch, Division for Policy Analysis and Public Affairs, UNODC • Brennan Van Dyke Chief of the Capacity Development and Innovation Branch, Early Warning and Assessment Division, UNEP
06:15 – 06:20	Introduction of the Statistics and Data Project “Resilient and agile National Statistical Systems to meet post-COVID-19 data needs to recover better” under the 14th tranche of the United Nations Development Account – <i>Gabriel Gamez, UNSD</i>
06:20 – 06:25	Results of the pre-webinar survey – <i>Alice Bourdet, UNODC</i>
06:25 – 06:35	Q&A
Session 2: Impact of anthropogenic and natural processes on freshwater and marine ecosystems	
Moderator: Ekaterina Poleshchuk, UNEP	
06:35 – 06:40	Introduction – <i>Ekaterina Poleshchuk, UNEP</i>
06:40 – 06:55	Country-owned official statistics as a source for water statistics – <i>Marcus Newbury, UNSD</i> Q&A
06:55 – 07:50	Freshwater Ecosystems: <ul style="list-style-type: none"> • Policy introduction – <i>Stuart Crane, UNEP (5 mins)</i> • Alive demo of the Freshwater Ecosystem Explorer reporting data platform – <i>Stuart Crane, UNEP (15 mins)</i> Q&A (10 mins)

¹ The meeting will be held with Zoom with English, Russian and Arabic interpretation.

	<p>Country presentations on using SDG 6.6.1 data application for national planning:</p> <ul style="list-style-type: none"> • Kenya – <i>Said Omar Mohammed, Water Quality Monitoring at the Ministry of Water, Sanitation, and Irrigation of Kenya (15 mins)</i> <p>Open discussion and Q&A (10 mins)</p>
07:50 – 08:00	<i>Break</i>
08:00 – 08:55	<p>Marine Ecosystems:</p> <ul style="list-style-type: none"> • Earth observations for marine ecosystem monitoring – <i>Emily Smail, GEO Blue Planet Initiative, NOAA, University of Maryland (15 mins)</i> • Data collection on SDG 14.1.1 on the Index of Coastal Eutrophication and Marine plastic debris - <i>Ekaterina Poleshchuk, UNEP (5mins)</i> <p>Q&A (5 mins)</p> <p>Country experience:</p> <ul style="list-style-type: none"> • Bangladesh – <i>Subrata Sarker, Department of Oceanography, Shahjalal University of Science and Technology (10 mins)</i> • Fiji – <i>Zaidy Afrin (10 mins)</i> <p>Open discussion and Q&A (10 mins)</p>
08:55 – 09:00	Closing remarks – <i>Ekaterina Poleshchuk, UNEP</i>
Wednesday, 19 April 2023	
Session 3: The impact of illegal economies on the environment: monitoring of illegal mineral mining	
Moderator: Coen Bussink, UNODC	
06:00 – 06:05	Introduction – <i>Coen Bussink, UNODC</i>
06:05 – 07:05	<p>Overview:</p> <ul style="list-style-type: none"> • Response Framework on illegal mining – <i>Leonardo Correa, UNODC (10 mins)</i> • Measuring Illicit financial flows in the mining sector: The SDG framework, bilateral trade asymmetries and its link to remote sensing – <i>Carlotta Schuster, UNCTAD (15 mins)</i> • Remote sensing techniques for small-scale mining detection - <i>Elsy Ibrahim, University of Liège (15 min)</i> • Mapping global mining activities using open Earth observation data <i>Victor Maus – University Vienna (15 min)</i> <p>Q&A (5 mins)</p>
07:05 – 07:45	<p>Applications Asia:</p> <ul style="list-style-type: none"> • Strengthening Development Minerals Governance in Fiji Using ‘Digital Earth Pacific’ - <i>Gary Lee, SPC and Mohammed Azad, Mineral Resources Department (15 min)</i> • Remote Sensing Research Center of the National Research and Innovation Agency (BRIN) Indonesia – <i>Udhi Catur Nugroho (10 min)</i> • Directorate of Mineral-Coal Engineering and Environment of Ministry of Energy and Mineral Resources Indonesia - <i>Yosafat R. Leonard (10 min)</i>

	Q&A (5 mins)
07:45 – 07:55	Break
07:55 – 08:30	<p>Applications Africa:</p> <ul style="list-style-type: none"> • Monitoring of mining sites and related impacts on natural vegetation using DE Africa platforms - Joseph Tuyishimire, Digital Earth Africa (15 min) • Remote Sensing in support of ASGM policy development (example in Eastern DR Congo) - Abdul Moomen and Pierre Lacroix, GRID-Geneva (15 min) <p>Q&A (5 mins)</p>
08:30 – 08:55	<p>Panel discussion on the use of geospatial data for illegal mining</p> <ul style="list-style-type: none"> • Directorate of Mineral-Coal Engineering – Indonesia • Mineral Resources Department Fiji - Mohammed Azad Fiji • Pacific Community (SPC)- Nicholas Metherall • University Liège - Elsy Ibrahim • UNEP-GRID - Abdul Moomen/Pierre Lacroix • UNODC – Leonardo Correa <p><i>Moderation: UNODC – 25 mins</i></p>
08:55 – 09:00	Closing remarks – Coen Bussink, UNODC
Thursday, 20 April 2023	
Session 4: Domestic Material Consumption as an indicator of economic pressure on the environment	
Moderator: Ekaterina Poleshchuk, UNEP	
06:00 – 06:05	Introduction – Ekaterina Poleshchuk, UNEP
06:05 – 06:20	<p>Domestic Material Consumption (DMC) as an important policy indicator – Stephan Moll, Eurostat</p> <p>Q&A</p>
06:20 – 07:10	<p>Available tools to support the calculation of DMC at the country level:</p> <ul style="list-style-type: none"> • General overview – Ekaterina Poleshchuk, UNEP (5 mins) • Eurostat guidelines and questionnaires – Stephan Moll, Eurostat (10 mins) • The Global MFA Manual <i>The Use of Natural Resources in the Economy: A Global Manual on Economy Wide Material Flow Accounting</i> – Sophia Leticia Groll, UNEP (5 mins) • Online course on Domestic Extraction for EW-MFA – Sophia Leticia Groll, UNEP (5 mins) • EW-MFA Compiler – Ekaterina Poleshchuk, UNEP (10 mins) <p>Q&A (15 mins)</p>
07:10 – 07:20	Break
07:20 – 07:35	<p>SDG indicator 8.4.2/12.2.2 and UNEP Questionnaire on EW-MFA for these SDG indicators – Dany Ghafari, UNEP</p> <p>Q&A</p>

07:35 – 08:05	<p>Calculation of DMC using EW-MFA at the country level:</p> <ul style="list-style-type: none"> • Global estimation provided for countries – <i>James West, CSIRO Land and Water, Sustainability Pathways Program, Australia (10 mins)</i> • Validating the Economy-wide Material Flow Accounts (EW-MFA) in Namibia – <i>Ezekiel N. Kambonde, Namibia Statistic Agency (10 mins)</i> <p>Q&A (10 mins)</p>
08:05 – 08:40	<p>Panel discussion on the advantages and disadvantages of the DMC methodology – <i>Stephan Moll (Eurostat), Sophia Leticia Groll (UNEP), Ezekiel N. Kambonde (Namibia Statistic Agency), James West (CSIRO)</i></p> <p>Open discussion</p>
08:40 – 08:45	<p>Closing remarks – <i>Ekaterina Poleshchuk, UNEP</i></p>
<p>Session 5: Conclusions Moderators: <i>Ekaterina Poleshchuk from UNEP, and Coen Bussink from UNODC</i></p>	
08:45 – 09:00	<ul style="list-style-type: none"> • Importance of Institutional Cooperation and Governance – <i>Gabriel Gamez, UNSD (8 mins)</i> • Main conclusions – <i>Ekaterina Poleshchuk (UNEP) and Coen Bussink (UNODC)</i> <p>Closing of the Webinar</p>