



EUROPEAN COMMISSION
JOINT RESEARCH CENTRE

Directorate E - Space, Security and Migration (Ispra)
Disaster Risk Management



EARTH OBSERVATIONS FOR THE
SUSTAINABLE DEVELOPMENT GOALS



GREEN
LAB

UN HABITAT
FOR A BETTER URBAN FUTURE



Earth Observations Toolkit for
**SUSTAINABLE CITIES
AND HUMAN SETTLEMENTS**



ESP00
ESBO



VOLUNTARY LOCAL REVIEW
AN INSTRUMENT FOR THE 2030 AGENDA
SUSTAINABLE DEVELOPMENT GOALS

Supporting Covid-19 Recovery and SDG implementation at local level: governance, tools and experiences

Friday 9 July 8:30 10:30am EST

Background

The session discusses perspectives on Supporting post-pandemic Recovery and SDG implementation, highlighting tools developed by institutions, experiences from local actors and a scientific review of governance approaches. Focus are the benefits of Earth observations (EO) for SDGs mapping and monitoring, followed by a practical application via the Degree of Urbanisation Method. Special attention is devoted to SDGs as a framework for the New Urban Agenda. The multi-disciplinary and multi-regional demonstration is supported by a critical review of legal, governance tools and policy perspectives of SDGs.

Session purpose and objectives

Urban and rural areas face COVID-19 differently and require different recovery approaches. This session explores the connections between Earth Observation data and policy making to support an effective post-pandemic recovery within a sustainable urbanisation. The objectives of the session are to:

- a) Introduce audience to EO principles, advantages and limitations for SDGs implementation and monitoring.

- b) Illustrate EO data and tools included in the [Earth Observations Toolkit for Sustainable Cities and Human Settlements](#) for monitoring and visualisation of potential COVID-19 impact on populations of different attributes and levels of urbanisation.
- c) Showcase worldwide available data and tools to support sustainable urbanisation, to assess and mitigate risks linked with epidemic spreads, and to monitor the access to infrastructure and facilities in high demand during pandemics.
- d) Demonstrate the use of an open source SDG Sensemaking tool to help cities align indicators and recovery strategies with the Agenda 2030.
- e) Share an overview of the governance tools used in supranational, national, regional, and local levels to promote sustainable environmental and urban policies, with the support of local case studies: an exploratory study will show how economists and organizations are proposing measures to mitigate the impacts of the disease on the economy and society.

Agenda

The training features a blend of presentations, global case studies and practical demonstrations. After a short introduction, the [EO4SDG](#) Initiative illustrates the scientific information sourced from Earth observations to populate and monitor urban SDGs and the New Urban Agenda (25 min). Next, the JRC showcases the [Degree of Urbanisation](#), a globally acknowledged method to facilitate SDGs tracking in urban and rural areas, explaining how to apply it (25 min). The city of Espoo demonstrates how to map urban phenomena to SDGs: key SDGs, their targets and indicators are identified (25 min). Finally, the Nova School of Law presents a selection of case studies, covering several governance levels, regions worldwide, and diverse perspectives on environmental and urban policies (25 min).

Title	Time	Speaker
Opening of the session by the Chair	5 min	Alessandra Zampieri <i>EC-JRC</i>
A novel Toolkit to assess urban SDGs at a territorial level, and its relevance for accounting for the impact of COVID-19.	25 min	Argyro Kavvada <i>NASA and EO4SDG</i> Monika Kuffer <i>ITC and EO4SDG</i>
Applying the Degree of Urbanisation to help SDGs monitoring: a global perspective	10 min	Thomas Kemper <i>EC-JRC</i>
GHSL open data and tools to implement the Degree of Urbanisation method: methods and capacity building facilities	10 min	Michele Melchiorri <i>EC-JRC</i>

A tool for cities to use SDGs as a strategic framework, a mind-set and a set of localized metrics for the urban agenda.	25 min	Markku Markkula, Jeeve Masuda, Ville Taajamaa <i>City of Espoo (Finland)</i>
Legal, Governance tools and Policy perspectives of SDGs, aiming at the building environment and urban resilience and recovery.	25 min	Nevin Alija, Tiago Cartaxo, Maira Tito, Cristiana Lauri <i>Nova Law Green Lab</i>
Session Moderation		Pietro Florio <i>EC-JRC</i>