Working Group on Data Integration → Line of Work DI & SDG

Integrated Geospatial Information Framework

- Activity lead – United Kingdom. ExCom lead – Sweden

Global Geodetic Reference Frames

- Activity lead – Belgium. ExCom lead – Germany

Data Integration

- Activity Lead – Germany Belgium, Austria. ExCom lead – Germany

Sustainable Development Goals

- Activity lead – Germany, Portugal. ExCom lead – Portugal

Data Strategy and Policy

- Activity lead – Poland. ExCom lead – Slovenia

Line of Work ‚SDG' – Work plan

- To compile and put together **use cases/operational examples** and produce **recommendations/guidelines** on the calculation of SDG indicators

- To evaluate and assess the use of relevant national geospatial data as **open data**

- To provide **national show cases** for the presentation of relevant SDG indicators

- To promote and conduct **webinars / guided discussions** on specific SDG indicators and/or cross-cutting methodological issues and solutions

- To support and promote **capacity building and development initiatives** on SDG indicator calculations

→ **Link to global IAEG-SDG WG GI**

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Line of Work ‚SDG' – Webinar series

|	Webinar	Contributors	Date	Coordinator
Line of Work SDGs				
#1	**Showcasing the added value of geospatial and statistical data integration to compute SDG indicators**	UN-GGIM: Europe	25 April, 1 pm ✔	Francisco Vala (Statistics Portugal)
#2	**Earth Observation and SDG: uses cases and workflows**	EEA, EuroGeographics, EuroGEO	23 May, 1 pm	Stefan Jensen (EEA)
#3	**Open Geospatial Data for cross-country comparable statistics as a contribution to a territorial approach to the SDGs**	DG REGIO	4 October, 1 pm	Hugo Poelman, Joachim Maes (DG REGIO)
#4	**United Nations Geospatial Network Data Hub: "One UN Geospatial Situation Room"**	UN Geospatial Network, UNECE, Eurostat, EFGS	15 Nov, 1 pm	Ekkehard Petri (Eurostat)

Line of Work, SDG' – next steps

- To **evaluate the outcome** of the webinars → separate evaluation reports

- To find **gaps** and **requirements** of SDG calculation issues worth to be tackled by UN-GGIM: Europe in the future

- To use synergies and establish a substantial and fruitful cooperation with UN ESGI

- To **strengthen the link** to the global initiatives on SDG calculation issues

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Working Group on Data Integration

Work Plan 2017 – 2019 deliverables on SDG indicator analysis

Address the **contribution of geospatial data analysis** and its integration with statistical data at a **Global, European and National** perspective based on the analysis of selected SDG indicators
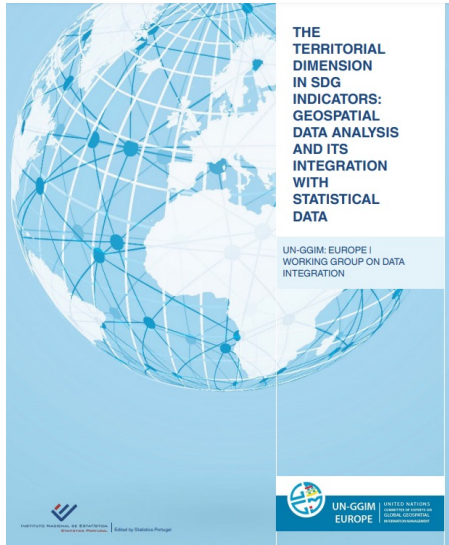
11.2.1
tier II indicator
Proportion of population that has convenient access to public transport, by sex, age and persons with disabilities
Coord: NSI, Austria

11.3.1
tier II indicator
Ratio of land consumption rate to population growth rate
Coord: NSI, Portugal

11.7.1
tier III indicator
[moved to tier II as of 27 November 2018]
Average share of the built-up area of cities that is open space for public use for all, by sex, age and persons with disabilities
Coord: NSI, Sweden

15.1.1
tier I indicator
Forest area as a proportion of total land area
Coord: e-GEOS, Italy

Work Plan 2019 – 2022 deliverables on computing SDG indicators

Provide methodological, operational and technical guidance in the use of geospatial data and statistics to compute SDG indicators, with a **European and National perspective**, and reflecting on solutions which may increase disaggregation

11.2.1
tier II indicator
Proportion of population that has convenient access to public transport, by sex, age and persons with disabilities

11.3.1
tier II indicator
Ratio of land consumption rate to population growth rate

11.2.1
Coord: NSI, Sweden

11.7.1
Coord: NSI, Portugal

15.3.1
Coord: E-GEOS, Italy

→ Harmonised guidelines on the computation of four SDG indicators

WORKING GROUP ON DATA INTEGRATION
The integration of geospatial data and statistics to compute SDG indicators: requirements and practices

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INFORMATION MANAGEMENT

Guidelines for SDG Indicator Calculation

11.3.1 Land consumption rate to population growth rate

Compiled by EEA with the contributions of:
Austria (NSI) | Denmark (NMCA) | Finland (NMCA) | Germany (Univ. Bonn) | Portugal (NSI) | United Kingdom (NSI)
Coord: EEA
December 2021

THE TERRITORIAL DIMENSION IN SDG INDICATORS: GEOSPATIAL DATA ANALYSIS AND ITS INTEGRATION WITH STATISTICAL DATA

UN-GGIM: EUROPE | WORKING GROUP ON DATA INTEGRATION

SDG calculation | Overarching conclusions Work plan 2020 - 2022

PAN - EUROPEAN	**AUTHORITATIVE GEOSPATIAL**	**STANDARDS, INC. STATS REQUIREMENTS**

PAN-EUROPEAN PRODUCTS MAKE IT POSSIBLE TO COMPUTE SDG INDICATORS	*Pan-European geospatial datasets are a first step allowing for a detailed computation at EU level with a good degree of homogeneity and comparability of data for SDG indicators 11.3.1, 15.1.1 and 15.3.1*
DATA SOURCES SERVE MORE THAN ONE SDG INDICATOR	*Pan-European geospatial products capturing relevant dimensions on land monitoring can serve more than one SDG indictors - the Copernicus Imperviousness Layer (IMD) provides data both for SDG indicators 11.3.1 and 15.3.1*
AUTHORITATIVE DATA ON TRANSPORT NETWORKS IS CRUCIAL	*Working towards having authoritative data on transport networks and public transport timetables or making EC shared services available for the use of MS is crucial to capture and measure accessibility as proposed for SDG indicator 11.2.1*
ADMINISTRATIVE BOUNDARIES ARE CORE FOR COMPARABLE CROSS-COUNTRY RESULTS	*It is important to have updated authoritative geographies for the definition of local, regional, and national territorial boundaries. At the European level, EuroGeographics is working towards providing easy access to pan-European open data created using official map, geospatial and land information.*
HARMONISED TERRITORIAL TYPOLOGIES GUARANTEE COMPARABILITY	*The Degree of Urbanisation (DEGURBA) and the Functional Urban Areas (FUA) capture the urban dimension guarantying European/Global comparability for SDG indicators 11.2.1 and 11.3.1*

SDG calculation | Overarching conclusions Work plan 2020 - 2022

PAN - EUROPEAN AUTHORATIVE GEOSPATIAL STANDARDS, INC. STATS REQUIREMENTS		
	STABILITY IS KEY FOR EO DERIVED PRODUCTS	Geospatial data sources evolve rapidly, and innovation and new products are relevant and necessary. Nevertheless, for statistical indicators continuity, periodicity and comparability of data sources is key to meet the standard criteria of statistical information production to guarantee a coherent process of SDG monitoring.
	ACCOUNTING FOR BIAS SHOULD BE CONSIDERED WHEN DERIVING STATISTICS FROM EO	For statistical indicators resulting from earth observation classified data, accounting for bias should be considered. This point is particularly relevant to cope with statistical standards and as the level of territorial detail and segmentation of data increases.
	COORDINATE SHARED KNOWLEDGE AND RESOURCES TO DEAL WITH EO	Dealing with EO based data presents increased levels of complexity in terms of data volume and machine data processing. At the European level, it is important to invest in shared knowledge and resources on processing workflows, coding, and data processing solutions, allowing the automatic or semi-automatic extraction of information from satellite images, as well on tools to derive statistics with quality measures.
	NATIONAL DATA SOURCES CAN PROVIDE ADDITIONAL MEANINGFUL INSIGHTS	National data sources can complementarily provide other segmentations at national and sub-national level relevant for policy monitoring and spatial planning policies at the local level. For SDG indicator 15.1.1, national data sources can be used to depict data by types of forest to increase insight on forest monitoring.

Line of Work ‚SDG' – Main contacts

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