

# UN-GGIM: EUROPE – Working Group on Data Integration

## Subgroup I – SDG Indicator Analysis – (Short) Concept Note

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### Subgroup I/Task I: SDG Indicator Analysis

The subgroup I will focus on the analysis of Sustainable Development Goal Indicators (SDG).

The subgroup task I refers to the task **"Analysing further SDG indicators – focusing on Earth Observation, and can include as part of a sub-task 'Requirements and practices from National Statistical Offices for the use of earth observation data for national statistics'"** as described in the **Work Plan 2019-2022** that can be found via the following link: <https://un-ggim-europe.org/wp-content/uploads/2019/11/UN-GGIM-Europe-WorkPlan-2019-2022-FinalAdopted.pdf>

#### Objective

The Subgroup I will provide methodological, operational and technical guidance in the use of spatial data and statistics to compute SDG indicators, focusing on a European and national perspective, and reflecting on solutions which may contribute to reduce the statistical burden and increase the level of detail of SDG Indicators. Special attention will be given to the contribution of Earth observation (EO), particularly to environment-related SDG indicators.

For this purpose, the subgroup will consider pan-European initiatives and data sets available as reference to select the indicators, namely to develop two lines of work:

1. To provide a comparative analysis (*benchmarking*) between pan-European and national methodologies, data sources and results, considering also the sustainability of data sources (space and time);
2. To analyze the combination of pan-European with national data sources to extract new relevant information for indicators computation (e.g. higher spatial disaggregation or new dimensions of segmentation).

The scope of work to be developed should take advantage of specific national data sources and identify pros/cons of different methodologies by also considering the “fit-for-purpose” approach. The applicability to other parts of the world (compatible with IGIF<sup>1</sup>) should also be pursued.

Based on this, the work will start by taking 7 indicators as a reference:

3.6.1 | Death rate due to traffic injuries (Tier I)

6.6.1 | Change in the extent of water-related ecosystems over time (Tier I)

11.6.2 | Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (Tier I) – 11.31 (EU)

11.2.1 | Accessibility to public transports (Tier II)

11.3.1 | Ratio of land consumption rate to population growth (Tier II)

11.7.1 | Access to public / green areas (proxy, Tier II)

15.1.1 | Forest area as a proportion of total land area (Tier I)

The selection and analysis of the SDG indicators should benefit from the different institutional background and technical expertise of WG members. Additionally, this list should benefit from an articulation with the UNECE as well as the European Environment Agency (EEA) and Eurostat's SDG working group. Finally, the work will benefit from the discussions and main findings of subgroup II dealing with Data integration methods.

The subgroup II will have the same target group as in their previous tasks, i.e. the high level management / decision makers of NMCA's and Statistical offices in Europe.

#### Outputs

The expected outputs of this subgroup include:

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<sup>1</sup> UN-GGIM Integrated Geospatial Information Framework (IGIF)



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- i) the development of standard methodological/technical documents for each indicator compiling the solutions analysed and presenting normative methodological guidance on the use of EO for the computation of SDG indicators; and
- ii) the production of flyers/leaflets synthesising and illustrating the approaches analysed and the main results.

The outcome and findings from subgroup I “SDG Indicator Analysis” and subgroup II “Methods of Data Integration” will be conciliated and a conclusive report for future actions will be prepared.

### Short- to Medium-term actions

- Define the structure and set up of a wiki working page
- Consolidate the list of indicators to be analysed, benefiting from the inputs of UNECE, EEA and Eurostat’s SDG working group
- Draft a scoping paper based on the concept note, including a time-line for the specific tasks to cope with the envisaged outputs
- Select the first group of indicators to be analysed and define corresponding indicator coordinators
- Define a standard analytical document/table to assess the selected SDG indicators at the European and national levels and to structure the results of the comparative and combined analysis

### Timetable 2020 to 2022

The work is expected to be developed in a time-frame of 2 years.

### Participants (to be extended)

| Function        | Name                   | Country Code | Affiliation                      |      |
|-----------------|------------------------|--------------|----------------------------------|------|
| Subgroup leader | Francisco Vala         | PT           | INE Portugal                     | NSI  |
|                 | Åsa Sjödin             | SE           | Lantmäteriet                     | NMCA |
|                 | Birkan Erguc           | TR           | Turkish Statistical Institute    | NSI  |
|                 | Cátia Nunes            | PT           | INE Portugal                     | NSI  |
|                 | Daniela Iasillo        | IT           | Planetek                         |      |
|                 | Dermot Corcoran        | IE           | Statistics Ireland               | NSI  |
|                 | Ekkehard Petri         | EU           | Eurostat                         |      |
|                 | Fabio Volpe            | IT           | Geo Content Innovation at e-GEOS |      |
|                 | Heather Porter         | UK           | ONS                              | NSI  |
|                 | Hugo Poelman           | EU           | DG-REGIO                         |      |
|                 | Ingrid Kaminger        | AT           | Statistics Austria               | NSI  |
|                 | Jerker Moström         | SE           | Statistics Sweden                | NSI  |
|                 | Olav Eggers            | DK           | National Survey & Cadastre       | NMCA |
|                 | Sabine Afflerbach-Thom | DE           | BKG                              | NMCA |



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