UN-GGIM: Europe – keeping up with a changing landscape

Report from UN-GGIM: Europe Working Group on Data Integration

Pier-Giorgio Zaccheddu, BKG, Germany
UN-GGIM: Europe Plenary meeting, Brussels
13-14 October 2021
Working Group on Data Integration – distribution across Europe

- 25-30 members from Member States affiliated to geospatial and statistical agencies
- Private companies
- Observer organisations, like Eurostat, JRC, EEA, University of Bonn
Work Plan 2019-2022

**Task 1**
Analysing further SDG indicators
→ Subgroup I, led by NSI Portugal

**Task 2**
Analysing future trends in data integration (methods)
→ Subgroup II, led by NMCA Belgium & Austria

**Task 3**
Advisory group for data integration issues
Task 1: SDG indicator analysis (Subgroup I)

Lead: Statistics Portugal (INE)

- Provide **methodological**, **operational** and **technical guidance** in the use of geospatial data and statistics to compute SDG indicators
- Take into account **European and national perspective**
- **Reduce statistical burden** and increase the level of detail of SDG indicators

- Analyze SDG indicators 11.2.1, 11.3.1, 15.1.1 and 15.3.1
- Compile and review solutions
- Summarize the outcomes for guidance
- Consider the production of a flyer/leaflets

- **All tasks according to Workplan**
- ** Deliverable** on SDG analysis with outcomes and findings to be finalized until 31 December 2021, published in early 2022
Task 1  Contribution to Indicator 11.2.1 & 11.3.1

- Input from EEA
- Evaluation and assessment in 2021
- Templates for normative guidance on indicator calculation and recommendations to be completed in 2021
- Deliverable Provision of operational and technical guidance end of 2021/early 2022
Task 1  Contribution to Indicator 15.1.1 & 15.3.1

- Input from EEA
- Evaluation and assessment in 2021
- Templates for normative guidance on indicator calculation and recommendations to be completed in 2021

**Deliverable**
Provision of operational and technical guidance end of 2021/early 2022
Task 2 Data Integration Methods (Subgroup II)

Lead: NMCAs Belgium & Austria

- Analysis of data integration methods used across Europe like “Linked Data” or “geocoding”.
- Investigate on impact assessment at economic and organization level

- Evaluate links to the GSGF and GSGF-Europe and connect with GEOSTAT-4
- Collect national best practice examples for data integration
- Describe methods in the context of the European strategies and developments (Data spaces, Geospatial Knowledge Infrastructure)

- All tasks according to Workplan
- Deliverable on data integration methods for senior adviser/managers to be ready for the Plenary in autumn 2021
- Derive a brochure/leaflet dedicated to policy makers is still under discussion → maybe available in 2022
Task 2  Data Integration Methods (Subgroup II) - Recommendations

- Define and implement valid **Persistent Identifier (PID)**
- Agree upon **common definitions** and enforcement of **fundamental geographies** and **linked data**
- Make geospatial and statistical data interoperable, simple, and of **good quality**
- Develop and implement sustainable and automated data integration processes
- Develop and implement **standardized Open APIs** for a smart geospatial data provision
- Invest resources and capacity building into a cross-domain ‘**Geospatial knowledge infrastructure (GKI)**’
- Modernize the current National Spatial Data Infrastructures towards GKIs
What are the tasks of the UN-GGIM: Europe Working Group on Data Integration for 2019-2022?

**Task 1**
Analysing further SDG indicators  
→ Subgroup I, led by NSI Portugal

**Task 2**
Analysing future trends in data integration (methods)  
→ Subgroup II, led by NMCA Belgium & Austria

**Task 3**
Advisory Group for data integration issues
## Task 3
**Working Group as “Advisory Group” – a thematic view...**

<table>
<thead>
<tr>
<th>Level</th>
<th>Stakeholder</th>
<th>Topics (keywords)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global</td>
<td>UN-GGIM, StatCom (→ UN EG ISGI), UN DRR, Group on Earth Observation (GEO), (UN) IAEG SDG, ...</td>
<td>IGIF (GSGF), Sendai, SDGs,...</td>
</tr>
<tr>
<td>Europe</td>
<td>UN-GGIM: Europe, Eurostat (GEOSTAT-4) Other EC-DG, EEA,... UNECE, EuroGeographics, ...</td>
<td>GKI/Data spaces, INSPIRE, Copernicus/EuroGEO,...</td>
</tr>
<tr>
<td>National</td>
<td>NSOs, NMCAs,...</td>
<td>National SDIs,...</td>
</tr>
</tbody>
</table>

→ Many stakeholders and activities! It’s hard to “keep on track”...
UN-GGIM: Europe & EuroGEO - What can be done together?

• Establish a regular exchange on activities between the EC unit responsible for EuroGEO and with UN-GGIM: Europe Executive Committee / Secretariat

• Continue to participate at and provide information through workshops, conferences and plenary sessions
  • A good start: EuroGEO Workshop 20-23 September 2021 & UN-GGIM: Europe Plenary on 13-14 October 2021!

• ... other ideas?

→ Find synergies, avoid duplication of work!
What comes next? Towards the Work Plan 2021-2024

→ UN-GGIM: Europe Strategy to be presented by David Henderson
→ UN-GGIM: Europe Work Plan to be presented by Francisco Vala

• Conclude the tasks of the current Work Plan 2019-2022 in time
• Contribute to the new Work Plan 2021-2024 as much as possible
Questions?

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UN-GGIM: Europe website: https://un-ggim-europe.org/