UN-GGIM: Europe

Outcome and findings of the Working Group on Data Integration

Pier-Giorgio Zaccheddu (Chair)

5 – 6 June 2019
Europe Regional Committee of UN-GGIM – UN-GGIM: Europe, Brussels, Belgium
UN-GGIM: Europe Working Group on Data Integration

25 Members
## UN-GGIM: Europe Working Group on Data Integration

### Work plan 2014 – 2016
- ✓ B1: Definition of the priority user needs for data combinations
- ✓ B2: Recommendations for implementing prioritized combinations of data
- ✓ B3: Recommendations on how to manage side-effects

### Work plan 2017 – 2019
- ✓ Task 1: Draft a policy outreach paper on data integration
- ✓ Task 2: Analyse four SDG indicators at a global, regional and national level

### Work plan 2019 - 2022
- Concept 1: Analysing further SDG indicators
- Concept 2: Advisory group for data integration issues
- Concept 3: Analysing future trends in data integration
Task 1 (Subgroup 1 – led by Eurostat):
Policy Outreach Paper & Leaflet

✓ Promote the benefits of the integration of statistical and geospatial data
✓ Make use of recommendations from deliverables on priority user needs, interoperability frameworks, cooperation and methods for data integration and side effects

Task 2 (Subgroup 2 – led by Portugal):
Analyse new global, regional or national indicators

✓ Meet the Sustainable Development Goals 2030
✓ Reflect the European perspective (INSPIRE, Copernicus)
✓ Reflect data integration aspects
2 Work plan 2017 - 2019

Task 1 Questionnaire & Policy Outreach Paper & Leaflet

- Questionnaire
  - ✓ provided information on data integration

- Policy Outreach Paper
  - ✓ Promotes the benefits of data integration
  - ✓ Recommendations on data integration
    - → To be published soon

- Leaflet
  - ✓ Strengthen information
  - ✓ Effective examples of data integration
    - → To be published soon
to guide and recommend on how to improve data integration

to address the challenges and obstacles for full integration of data

to achieve the UN Sustainable Development Goals

Recommendations

− Strengthen institutions and governance is crucial!
− Standards, quality and accessibility are fundamental prerequisites!
− Communication is the key for improvement!
Task 1

Leaflet

✓ to present examples for effective data integration
✓ Strengthen the information from the policy paper
✓ Example from the Netherlands: Hurricane Irma in 2017
Work plan 2017 - 2019

Task 2

Analyse global, regional or national indicators

Check and assess (1) methodology and (2) data availability

✓ Systematization of global “metadata” for indicators and national practices
✓ Indicate EU-SDG indicators potentially benefiting from geospatial information
✓ Additional national specific indicators benefiting from geospatial information and its combination with statistical data, defined within the context of national SDG monitoring
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

*Indicator coordinator:* Austria (NSI)

*Contributors:* Austria (NSI), France (NMCA), Ireland (NSI), Sweden (NSI), Switzerland (NSI)

**11.3.1**
**Tier II indicator**
Ratio of land consumption rate to population growth rate

*Indicator coordinator:* Portugal (NSI)

*Contributors:* Finland (NMCA), Ireland (NSI), Italy (e-GEOS), Portugal (NSI and NMCA)

**11.7.1**
**Tier III indicator (currently Tier II)**
Average share of the built-up area of cities that is open space for public use, by sex, age and persons with disabilities

*Indicator coordinator:* Sweden (NSI)

*Contributors:* Ireland (NSI), Sweden (NSI and NMCA), Switzerland (NSI)

**15.1.1**
**Tier I indicator**
Forest area as a proportion of total land area

*Indicator coordinator:* Italy (e-GEOS)

*Contributors:* Austria (NMCA), Finland (NMCA), France (NMCA), Germany (NMCA), Italy (e-GEOS), Spain (NMCA)
Final Report

### UN-GGIM: Europe Working Group on Data Integration

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3 Work plan 2019 - 2022

Concept 1

Analysing further SDG indicators
  - focusing on “environmental” SDGs and earth observation
  - including as part of a sub-task ‘Requirements and practices from National Statistical Offices for the use of earth observation data for national statistics’

Concept 2

Advisory Group for global and European data integration issues
  - e.g. contribution to UN-GGIM (global) issues like the Integrated Geospatial Information Framework (IGIF)...

Concept 3

Analysis of (future) trends in data integration
  - data capture, creation, maintenance and management
  - using Linked (Open) Data methods to enhance data integration
3 Work plan 2019 - 2022

Concept (optional)

Post-Census 2020 activities?
- Support Post-Census 2020 activities and use synergies with UNECE/WG Data Integration
- Start sketching out preliminary plans and clarification as a subsidiary task for the group, but then how to manage it...?

... be best to discuss with UNECE to flesh out the work for 2022...
Related activities supporting the work plan

**Task Streams**

- disaggregation by geographic location and aggregation of geocoded unit level data;
- appropriate means to allow NSIs to uptake appropriate analysis or the use of production ready satellite time series data contributed by space agencies

**Short list of ”geospatial” indicators**

Related activities supporting the work plan

UN Expert Group on the Integration of Statistical and Geospatial Information (EG ISGI)
Global Statistical and Geospatial Framework (GSGF)
Objective: Project funded by Eurostat to develop a European version of the GSGF and to test SDG indicators

✓ Work Package 1:
Contribute to the improvement of the Global Statistical and Geospatial Framework (GSGF) and – particularly – the development of a European version of it

★ Involvement of UN-GGIM: Europe WG Core Data and WG Data Integration

✓ Work Package 2:
Test SDGs selected by WG on Data Integration

★ National test reports using the gap analysis of UN-GGIM WG Data Integration
★ Evaluation of the tests
The future remains interesting...

Next steps

➢ Promote the Policy Outreach Paper (comprising the leaflet) and the final report on the SDG indicators
➢ Further elaborate, consolidate and agree upon the new work items for the Work Group
➢ Continuously contribute to global data integration issues addressed by the IAEG SDG WG GI
➢ Continuously contribute to data integration issues addressed by the UN EG ISGI and to future GEOSTAT-projects (if deemed appropriate)
The main communication platforms...

The Working Group on Data Integration is chaired by Germany and deals with the integration of geospatial data with other information. Currently National Mapping and Cadastral Authorities and National Statistical Institutes from about 20 European UN Member States are members of this Working Group. Eurostat actively cooperates in the Work Group since the beginning in 2014. The European Environment Agency (EEA) joined the Work Group in 2017.

Work plan 2014-2017: Data Integration – deliverables on priority user needs, methods and side-effects

Work plan 2017-2019: Data Integration – deliverables on policy outreach and SDG indicator analysis

https://un-ggim-europe.org/working-groups/working-group-data-integration/
The main communication platforms...

- UN-GGIM Sessions & Fora
- EFGS Conferences
- INSPIRE Conferences
- Eurostat’s WP Meeting on Integration
- UN-EG ISGI
- UN-EG ISGI: Europe WG on Data Integration
- IAEG SDG WG GI actions
- UNECE activities
- GEOSTAT projects

UN-EG ISGI: Europe WG Core Data
UN-EG ISGI: Europe WG on Data Integration
Questions?

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