

UN-GGIM: EUROPE – Working Group on Data Integration

Subgroup II – Data Integration Methods – (Short) Concept Note

Subgroup II/Task II: Data Integration Methods

The subgroup II will focus on collecting “Data Integration Methods” to enhance data integration by location in general.

The subgroup II refers to the task "**Analysis of (future) trends in data capture, creation, maintenance and management - using Linked (Open) Data methods to enhance data integration**" 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

Data integration methods are already existing, applied and well documented. Moreover the technology is rapidly evolving. The objective of the subgroup II on data integration is to summarize the situation and provide a global perspective with recommendations for possible use, completed with an impact assessment at social, economic and organizational level. This will be an incentive for discovering, encouraging and initiating the use of the data integration methods and facilitate the decision-making process of the countries, seeking for new approach in their data capture, creation, maintenance and management.

The task comprises a quick scan regarding different data integration methods used across Europe addressed to the target group of high level management / decision makers of the NMCA's and Statistical Offices in Europe. “Table Joining Services” (TJS), “Linked Data” (LD) are already known and used methods, but all best practices (if available) will be considered in addition if they can be used in this publication. The benefits, adequacy of each method to use cases will be scanned and best practices will be used in the report. Next to the adequacy of each method to use cases, the subgroup will show realistic examples of these methods.

Moreover than a technical assessment of the different methods, an impact assessment at economic and organization level will be investigated in order to facilitate the decision-making process.

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.

Output

A short report resulting in a management summary (brochure) will be the final deliverable. Preferable a brochure or video could be extracted from the Wiki pages used for compiling the information. Eurostat proposed to provide space on the GISCO wiki for the working group. Depending on the topic discussed the main output will be determined in detail at a later point.

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

The workload will be the collection of national examples by each partner per country. This means 1 or 2 short meetings nationally with the NSI/NMCA counterparts to collect these national examples are requisite. Preferably webinars might be conducted for the information exchange and examples could be collected within the wiki.

After having collected examples, the “best” (criteria to be defined) will be selected and a first compilation / report drafted. A physical meeting for consolidation and decision might be organized for a smaller task team assigned with this task.



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Timetable 2020 to 2021/2022

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

| Task | Topic |
|------|--|
| 1 | Review of the deliverable B.2.1 and B2.2/2.3 from the work plan 2014-2017 |
| 2 | Evaluate links to the GSGF and GSGF-Europe to avoid double work (GEOSTAT-4) |
| 3 | Collect national examples/projects |
| 4 | Identify best practices (max 3 most important, most used methods) for data input, creation, maintenance and management (Methods in general , TJS, LOD) |
| 5 | Consider economic, political and social level of each method |
| 6 | Determine Pros and Cons of each methods |
| 7 | Derive recommendations (if deemed appropriate) |
| 8 | Roadmap to implementation |
| 9 | Create the output |

Connections/Links

The work of this subgroup II will be closely connected to the global UN expert group Integration of Statistics and Geospatial Information (ISGI), as the Global Statistical and Geospatial Framework (GSGF) is an important document for ongoing work. At the last UN EG ISGI meeting in October 2019 in Manchester, this group discussed, that further information on data integration methods based on location will be a benefit to the global perspective and can be used for future work in developing countries. The work of both groups will be streamlined and a frequent information exchange established. As a general, overarching framework the UN-GGIM Integrated Geospatial Information Framework (IGIF) will be reflected as well.

As the GEOSTAT-3 project produced a European version of the global GSGF, the UN-GGIM: Europe Working Group on Data Integration will have a close connection to the new GEOSTAT-4 team who continues to work on this topic.

Participants (to be extended)

| Function | Name | Country Code | Affiliation | |
|-----------------|-----------------------------|--------------|--|----------|
| Subgroup leader | Nikolaos Roubanis | EU | Eurostat | |
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| | Dorus Kruse, Berny Kersten | NL | Dutch Kadaster | NMCA |
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