

UN-GGIM: Europe

—

the combination of geospatial data with
statistical data for SDG indicators under a
geospatial lens



UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

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19th September 2018

INSPIRE Conference 2018, Antwerp



UN-GGIM: Europe Working Group on Data Integration

Task 1 (Subgroup 1): Policy Outreach Paper

- ✓ 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): Analyse new global, regional or national indicators

- ✓ Meet the Sustainable Development Goals 2030
- ✓ Reflect the European perspective (INSPIRE, Copernicus)
- ✓ Reflect data integration aspects



Task 1: Policy Outreach Paper

Develop a outreach document

- ✓ to guide and recommend on how to improve data integration
- ✓ to address the challenges and obstacles for full integration of data
- ✓ to provide facts for evidence based policy making
- ✓ to achieve the UN Sustainable Development Goals

→ Main users:

Senior manager in NSIs, NMCA and ministries



A policy paper on the integration of
statistical and geospatial
information

Work plan for UN-GGIM: Europe Work Group on Data
Integration – Sub-group policy outreach

UN-GGIM: Europe | Work Group on Data Integration | subgroup 1

Version 0.3
2017-09-12



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Task 1: “Leaflet” supporting the Policy Outreach Paper

Develop a leaflet

- ✓ to present examples for effective data integration (several examples from NL, SE, FR, IT, UK & DE)
- ✓ to strengthen the information from the policy outreach paper
- ✓ to address the policy makers who are not “geospatially related”



Data integration Supporting your daily life

In the modern fast moving world getting and exchanging information becomes more and more important.

*Where do you get your information from?
How good are you connected?*

With growing demands the need to join together different types of information increases, to make life easier and decisions better.



What is data integration?
"combining information from different sources"



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Task 1: Questionnaire

Develop a questionnaire

- ✓ to provide information for the policy paper
- ✓ to identify and understand the important issues concerning data integration
- ✓ to propose measures to improve the situation

QUESTIONNAIRE SUPPORTING THE POLICY PAPER
of the UN-GGIM: Europe Working Group on Data Integration

Please fill in all the questions. If it is not relevant for your institution, please click "Not applicable".

1 GOVERNANCE AND POLICY

1.1 Are statistics and geospatial information under the same ministry?

1.1.1 How often do you have consultations with your ministry on data integration issues at the highest level?
 Once a month Every 2 - 3 month Every 6 month Once a year Less than once a year According to demand Not applicable

1.2 Do you have an agreement on cooperation between the NSI and NMCA in your country?

Legislation Memorandum of Understanding other

1.2.1 What is included in the agreement? What are the important topics?

1.2.2 How is knowledge exchange organized between the two agencies?
 E-Mail Telephone Face-to-Face Meetings Web conferences other

1.2.3 How often do you exchange ideas with colleagues from the NSI/NMCA on data integration topics?
 Once a week Every 2 - 3 weeks Once a month Every 2 - 3 months Less than 3 month According to demand

Addressees:
180 UN-GGIM: Europe
and UNECE contacts in
55 countries

Deadline:
31 August 2018



Task 1: Questionnaire

53 Questions on

1. GOVERNANCE AND POLICY

2. DATA SOURCES AND STANDARDS

3. 2030 AGENDA – SUSTAINABLE DEVELOPMENT GOALS

4. METHODS AND TECHNOLOGY

5. USER ENGAGEMENT

→ INSPIRE Topics included in Topic 2. Data Sources and Standards



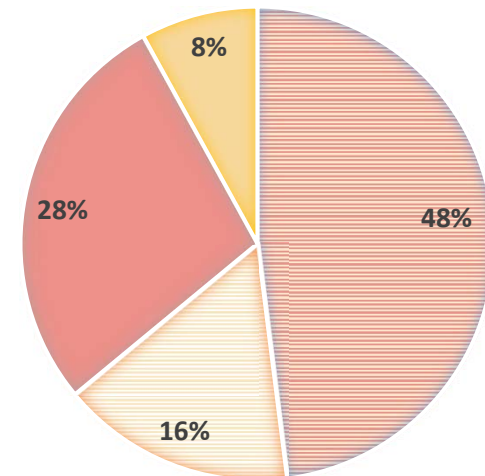
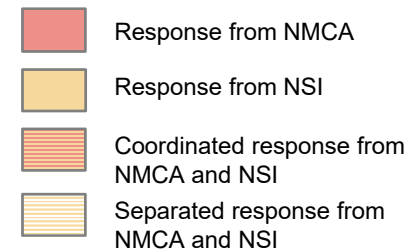
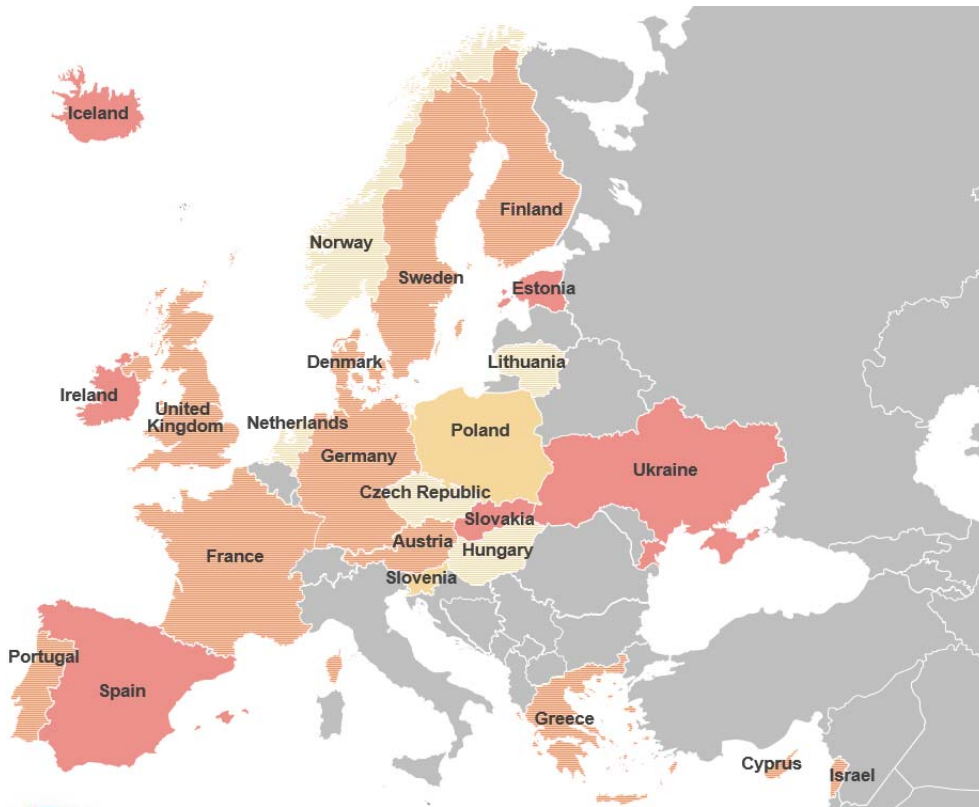
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Task 1: Questionnaire

✓ 33 questionnaires from 25 Countries



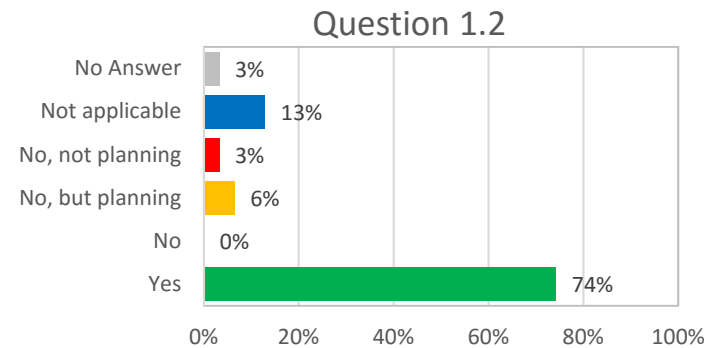
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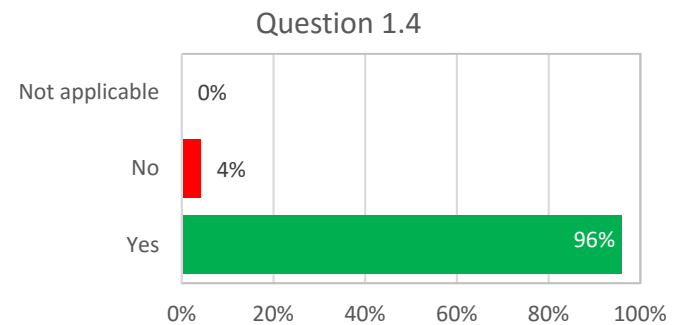


Task 1: Questionnaire

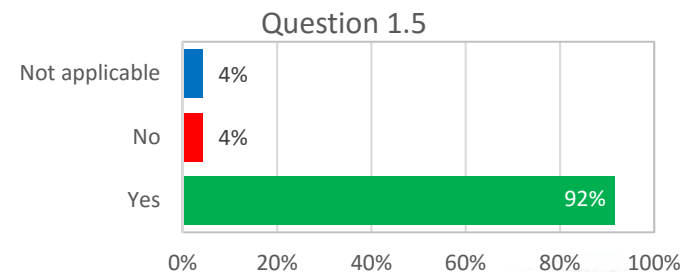
1.2 Do you have an agreement on cooperation between the NSI and NMCA in your country?



1.4 Do you think data integration is making your cooperation more effective and efficient?

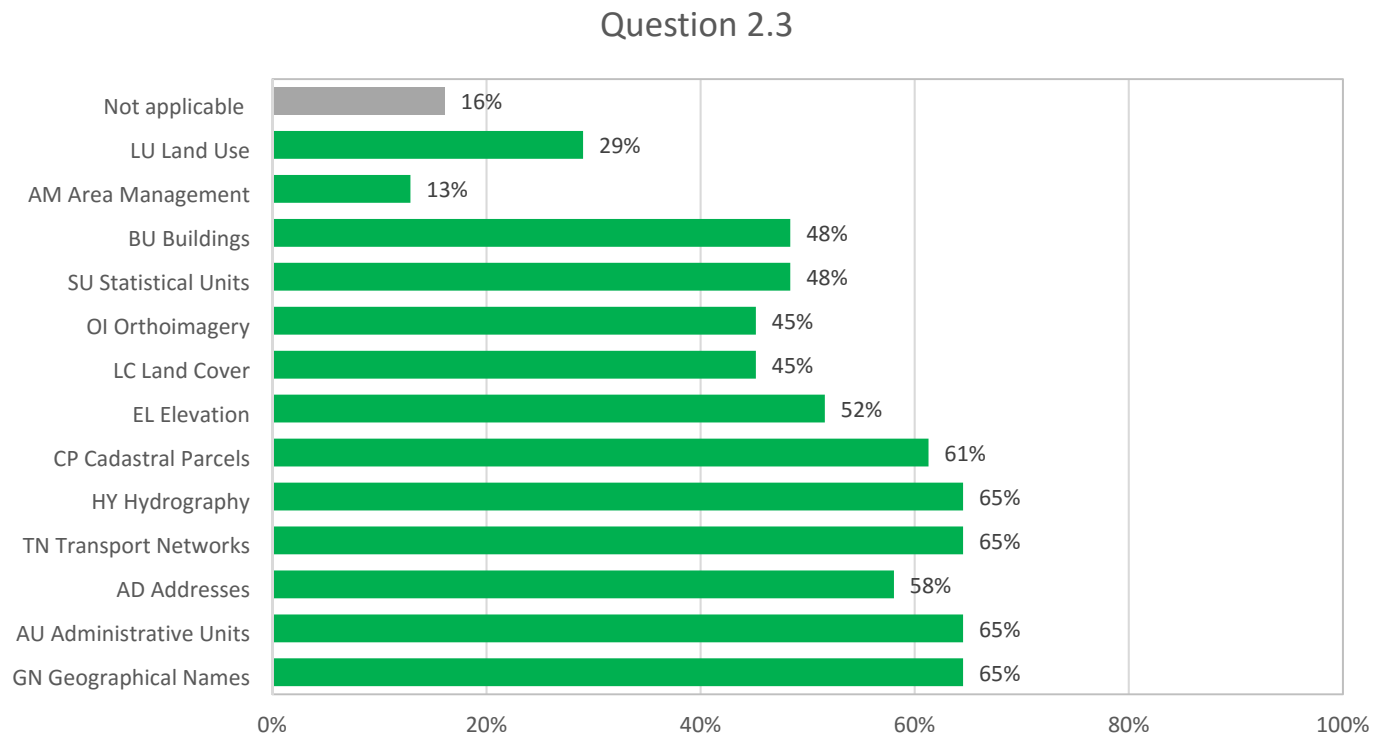


1.5 Do you think your data quality will improve using data integration?



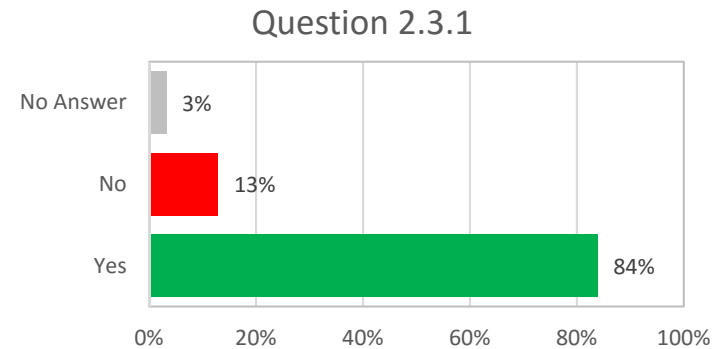
Task 1: Questionnaire

2.3 Which themes have been made available according to the INSPIRE regulation in your country?

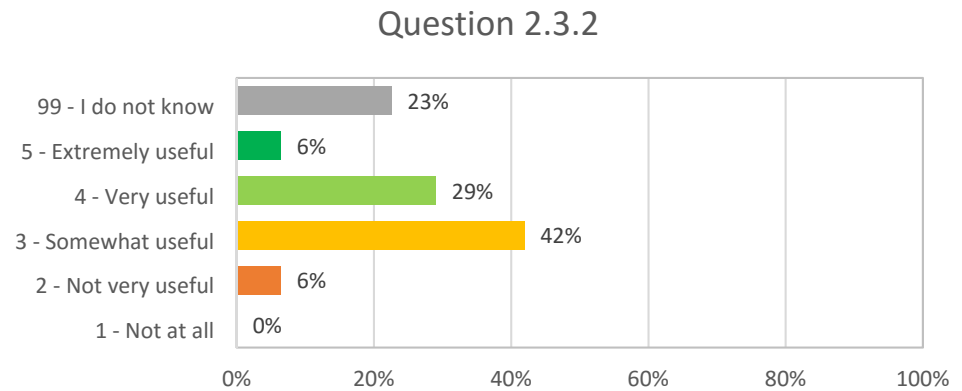


Task 1: Questionnaire

2.3.1 Are you aware of the additional recommendation provided by UN-GGIM: Europe on Core Data?



2.3.2 Do you think these recommendations are helpful?



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



future internal population growth and city growth resulting from migrations. They also need to accommodate new and thriving urban functions such as transportation routes, etc., as they expand.



Task 2 – Analyse global, regional or national indicators

A – Global Metadata

- ✓ Current reporting situation
- ✓ Methodology
- ✓ Gap Analysis
- ✓ Suggested integration

B – Current National Practices

- ✓ Reporting situation
- ✓ Data sources
- ✓ Data quality
- ✓ Gap analysis

Country	Reporting situation	Data sources	Data quality
Algeria	Annual reporting situation
...

C – Brief Discussion papers

- ✓ Summary of the gap analysis
- ✓ Recommendations on how to deal with common issues

Brief Discussion Paper

The following is a summary of the key findings and recommendations from the gap analysis...

- The main challenge is the lack of standardized reporting formats across different countries.
- There is a need for more consistent data collection methods and quality control procedures.
- Recommendations include:
 - Establishing a common reporting framework.
 - Improving data quality through regular audits and training.
 - Enhancing international cooperation and knowledge sharing.

D – Final Report

- ✓ Including the discussion papers
- ✓ Findings of the gap analysis,
- ✓ national monitoring examples
- ✓ unsolved issues



Task 2 – Analyse global, regional or national indicators

Gap Analysis of SDGs – “Swedish classification model”

	11.2.1 Proportion of population that has convenient access to public transport	11.3.1 Ratio of land consumption to population growth rate	11.7.1 Average share of built-up area of cities that is open space for public use for all	15.1.1 Forest area as a proportion of land area
Global	ORANGE	ORANGE	RED	GREEN
Denmark	RED	GREEN	RED	GREEN
Finland	ORANGE	GREEN	RED	GREEN
France	RED	ORANGE	RED	GREEN
Germany	ORANGE	GREEN	RED	GREEN
Ireland	GREEN	GREEN	ORANGE	GREEN
Italy	ORANGE	ORANGE	RED	GREEN
Portugal	ORANGE	ORANGE	RED	GREEN
Sweden	GREEN*	GREEN	ORANGE / GREEN**	GREEN
Switzerland	GREEN / GREY***	ORANGE	GREEN	GREEN

- **Green-** possible to report or already being reported
- **Orange** – possible to develop: data integration needed or change in surveys
- **Red** – very difficult to report, no current survey, no available method
- **Grey** – not relevant for country / global data enough



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Next steps

Task 1: Policy Outreach Paper

- Evaluate the results of the questionnaire
- Consolidate the leaflet supporting the paper
- Consolidate the Policy Outreach Paper

Task 2: Analyse global, regional or national indicators

- Consolidate the final report
- Provide feedback to the respective UN bodies



Thank you!

Chair: Hansjörg Kutterer

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