

UN-GGIM: Europe Working Group on Data Integration Meeting

The way towards a Geospatial Knowledge Infrastructure: *Why this webinar*



UN-GGIM
EUROPE

UNITED NATIONS
COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

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Rationales:

1. Paper analysis trends in matter on data integration methods

Paper: Objectives

Significant methods investigation



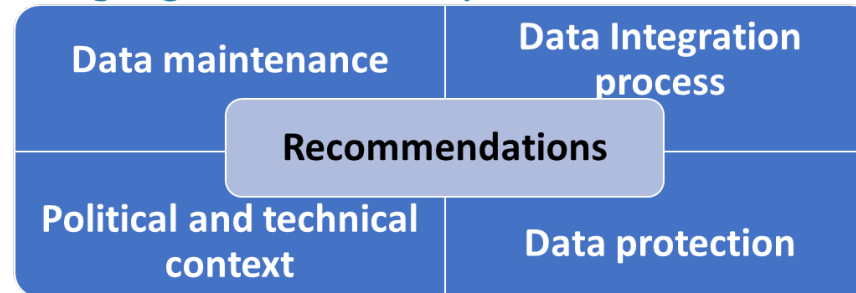
Technical foundations (for dummies)



Managerial level

Title	Main method	Additional requirement	Implemented technology	GDPR level (principle 1-5)	Country	Title/Name of project	Summary	Agencies involved	Data used	Comprehensive description
Point based processing			Spatial Data Service	1,2	AT	Revised address points	The use of geospatial point addresses, as well as building, street and other data for point-based processing and mapping of the point-based data.	MAKKA (MFA), MA (European Agency), MA (European Agency), MA (European Agency)	Addresses, address points, transport cost network	With the point of the address, building and the other data, there were 3 types of coordinate, address coordinates, which were not meaningful for the routing at the beginning. The geospatial data could be used for the routing of the point-based data. The geospatial data could be used for the routing of the point-based data.
Network Cost Calculation			GIS routing calculation	1,2	DE	Availability of primary data	The use of geospatial point addresses, as well as building, street and other data for point-based processing and mapping of the point-based data.	MAKKA (MFA), MA (European Agency), MA (European Agency), MA (European Agency)	Addresses, address points, transport cost network	With the point of the address, building and the other data, there were 3 types of coordinate, address coordinates, which were not meaningful for the routing at the beginning. The geospatial data could be used for the routing of the point-based data. The geospatial data could be used for the routing of the point-based data.
Publication / dissemination of integrated data			GIS	1,2	DE	No linked data Platform	The use of geospatial point addresses, as well as building, street and other data for point-based processing and mapping of the point-based data.	MAKKA (MFA), MA (European Agency), MA (European Agency), MA (European Agency)	Addresses, address points, transport cost network	With the point of the address, building and the other data, there were 3 types of coordinate, address coordinates, which were not meaningful for the routing at the beginning. The geospatial data could be used for the routing of the point-based data. The geospatial data could be used for the routing of the point-based data.
Publication / dissemination of integrated data			GIS	1,2	DE	Statistical Linked Open Data Platform	The use of geospatial point addresses, as well as building, street and other data for point-based processing and mapping of the point-based data.	MAKKA (MFA), MA (European Agency), MA (European Agency), MA (European Agency)	Addresses, address points, transport cost network	With the point of the address, building and the other data, there were 3 types of coordinate, address coordinates, which were not meaningful for the routing at the beginning. The geospatial data could be used for the routing of the point-based data. The geospatial data could be used for the routing of the point-based data.

Highlight barriers, key factors of success



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[UN-GGIM: Europe link](#)

Data Integration Methods

Analysis of future trends in geospatial data capture, creation, maintenance and management and recommendations for amplified use of good practices

UN-GGIM: Europe | Working Group on Data Integration

Version 0.9

2021-09-30



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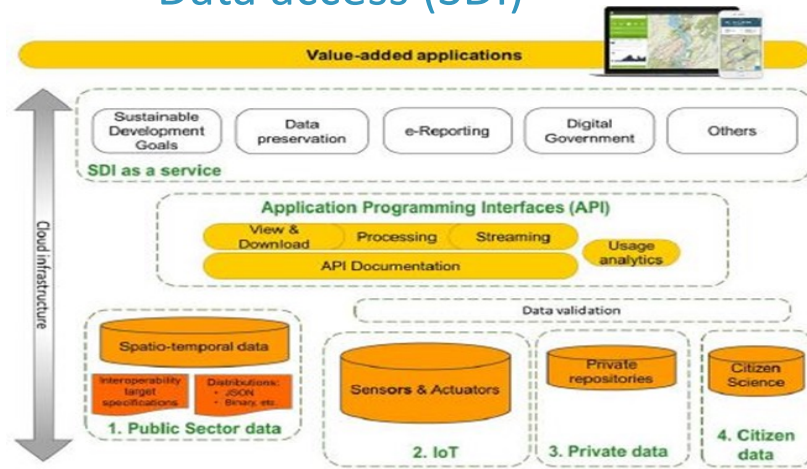
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Rationales

2. Recommendation : Move from data-centric geospatial infrastructure (SDI) to 'Geospatial knowledge infrastructure (GKI)'

Data access (SDI)



- PID, temporal dimension across domain
- Common geographies and ontologies
- Data interoperability and modeling fit for purpose
- Process automation
- Standardized & OpenAPIs

Decision-making (GKI)



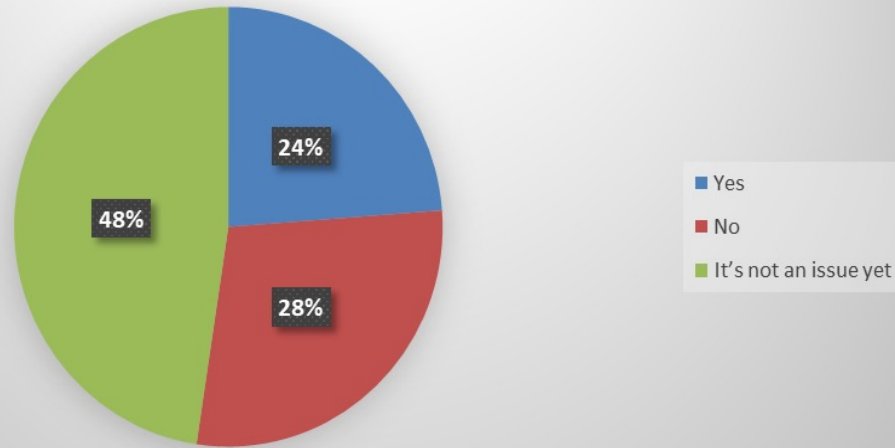
- Investing in human resources and capacity building
- Spatial is not special anymore
- Extent to knowledge Infrastructure



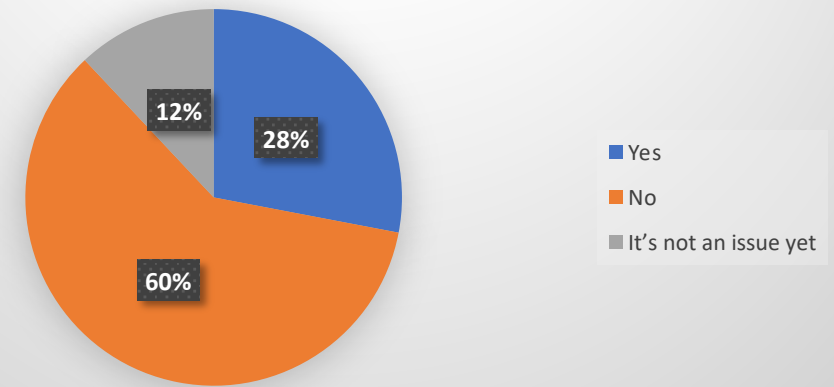
Rationales

3: Evaluation on GKI recommendation: to start a broader discussion within the NMCA's and NSI's community, a webinar (on 24-02-2022)

Have you already invested resources for GKI or are you willing to do so in the future?



Do you have any experiences in modelling/describing knowledge graphs?



Objective

Introducing/Overview webinar:

- Gain a better understanding (presentations)
- Pragmatical approach with existing use cases (presentations)
- Collect concerns, needs and requirements from the audience (feedback survey)
- Open door for further webinars on the topic (findings and conclusions: evaluation report)



Agenda

Presentations

- “GKI supporting National Development”– by John Kedar (Strategic Advisor Geospatial Infrastructure and Agencies Geospatial World-UK)
- Case Study on GKI in Action – by Ruban Jacob (Associate Director – Geospatial World India)
- “Solutions to engage with the national education community and synergies across countries” – by Bénédicte Bucher (Senior Scientist-IGN France)
- “Towards a Next Generation of Swiss Maps” – by Karsten Pippig (Project Coordinator – Swisstopo Switzerland)

Interactive session (Slido pool)

- questions/answers
- survey

Join at
slido.com
#UNGGIME-2023-4



Conclusions and path forward



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