Second expert meeting of the working group on policy and legal frameworks for geospatial information management incorporating the workshop on Authoritative fit-for-purpose geospatial data for crisis

20 – 22 February 2024, Leuven, Belgium

Day #3   22 Feb

Joint Working Group/EuroGeographics workshop on policy and legal frameworks for geospatial information management (morning)

Second expert meeting of the Working Group (afternoon)

Day 3 - Organization of the meeting at glance

Proposed organization of the meeting -

01:30	▪	Authoritative geospatial data for crisis; Geospatial data for public good; Evolving geospatial and technological landscape, artificial intelligence and its regulation
00:30		Coffee break
01:30	▪	Fourteenth session of the Committee of Experts; Seventh High-level Forum on Global Geospatial Information Management with the theme "Accelerating implementation: Achieving resilience"; Summary, next meeting and close

Day 3 – Provisional agenda
22 February 2024

Katholieke Universiteit Leuven

- Authoritative geospatial data for crisis
- Geospatial data for public good
- Evolving geospatial and technological landscape, artificial intelligence and its regulation
- Fourteenth session of the Committee of Experts

Coffee break

- Seventh High-level Forum on Global Geospatial Information Management with the theme "Accelerating implementation: Achieving resilience"
- Summary, next meeting and close

Agenda #4 (continued): Authoritative geospatial data for crisis

	Activities	Deliverables/Engagement and communication component
G2 and G3	Authoritative "fit for purpose" geospatial data for crisis	• Draft and table a paper for UN-GGIM endorsement • Develop abstract with key messages • Present paper, share results at meetings, with functional groups, via collaborations including the International Bar Association • Consider linkage with relevant work items within the Committee of Experts programme or work; providing policy/legal perspective and decision support tools/instruments to operationalize and meet identified technical requirements

UN-GGIM | United Nations Committee of Experts on Global Geospatial Information Management | WORKING GROUP ON POLICY AND LEGAL FRAMEWORKS FOR GEOSPATIAL INFORMATION MANAGEMENT

Positioning geospatial information to address global challenges
ggim.un.org

Agenda #5 (continued): Geospatial data for public good

	Activities	Deliverables/Engagement and communication component
G1 and G3	Paper on geospatial data for public good	• Draft and table a paper for UN-GGIM endorsement • Develop abstract with key messages • Present paper, share results at meetings, via collaborations including the International Bar Association

UN-GGIM | United Nations Committee of Experts on Global Geospatial Information Management | WORKING GROUP ON POLICY AND LEGAL FRAMEWORKS FOR GEOSPATIAL INFORMATION MANAGEMENT

Positioning geospatial information to address global challenges
ggim.un.org

Agenda #8 (continued): Evolving geospatial and technological landscape, artificial intelligence and its regulation

Second expert meeting of the Working Group on Policy and Legal Frameworks for Geospatial Information Management

20 – 22 February, 2024, Leuven, Belgium

Agenda item #8

Evolving geospatial and technological landscape, artificial intelligence and its regulation

SOME OBSERVATIONS

UN-GGIM | United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

What is Geospatial Law?

- Geospatial Law cuts across legal domains, e.g.:

  - Intellectual property

  - Data quality/liability

  - Regulatory matters

  - Contracts, licenses and agreements

  - Data protection/privacy

  - National security, export, etc.

- As a result, a number of government agencies have a role, either directly, or indirectly

Geospatially related artificial intelligence models:

- An emerging scientific discipline that combines innovations in geospatial science and technologies, artificial intelligence algorithms and methods in machine learning (e.g., deep learning), data mining, and high-performance computing to extract insights from geospatial information for sustainable real-world solutions.

  - Provides useful advantages for modelling, e.g., the environment, with its ability to incorporate large volume of geospatial and temporal information in a multitude of formats, computational efficiency, flexibility in algorithms and workflows towards more sustainable real-world solutions.

Artificial Intelligence In Geospatial Information Management

- A wide range of applications for Artificial Intelligence, including:
    - Data analytics and interpretation
    - Predictive analytics
    - Extracting geospatial information from unstructured data
    - Routing and navigation
    - Quality control

- Can be used in a number of applications, including:
    - Urban planning
    - Disaster response
    - Precision agriculture
    - Land use and zoning

Impact of Artificial Intelligence Laws and Regulations on the Geospatial Community

- More laws and regulations are guaranteed
    - Based upon power and applications
    - How Artificial Intelligence is defined will be critical

- Greater transparency

- Will require policies and procedures for the entire Artificial Intelligence system, e.g., training data, models, outputs, etc.

- Will require input from a variety of stakeholders (i.e., technical, operational, legal, human resources, etc.)

Observation: Will have a significant impact on future geospatial information management

Impacts on Future Geospatial Information Management

Some observations:

- Growing demand for clear regulatory frameworks to address privacy, safeguards and security, and responsible use related to artificial intelligence enabled geospatial technologies, products and services.

- Incorporating responsible governance and mechanisms into the design, development and deployment of related geospatial technologies, processes and services, and their usefulness for ALL.

- Public-private partnerships including embracing volunteered data may play a critical role in driving innovation, leveraging combined resources, fostering cooperation to address common challenges with integrated geospatial information.

Recommendations

- Geospatial community should be tracking legal and regulatory developments in Artificial Intelligence within their country.

- Members of the geospatial community should be actively participating in the development of these laws and regulations.

- Organizations that create or procure geospatial technologies, products and services that use Artificial Intelligence should be mindful of potential impact of laws and regulations.

Conclusion: the geospatial community must work across sectors/silos to address the complex issues posed by Artificial Intelligence.

Agenda #10: Fourteenth session of the Committee of Experts

2024	Activity	Indicative timing and Deadline
Reporting to the Committee of experts	Summary for the report to the 14th Session of UN-GGIM	First week of May 2024
	Report to the 14th Session	Last week of June 2024
	Background documents for the 14th Session of UN-GGIM • Paper on geospatial data for public good	First week of July 2024
	Side event/open meeting on the margins of the 14th Session of UN-GGIM	First week of August 2024
	Side event on the margins of the 14th Session of UN-GGIM: • Paper on geospatial data for public good	August 2024

UN-GGIM | United Nations Committee of Experts on Global Geospatial Information Management | WORKING GROUP ON POLICY AND LEGAL FRAMEWORKS FOR GEOSPATIAL INFORMATION MANAGEMENT

Positioning geospatial information to address global challenges
ggim.un.org

Agenda #11 – Seventh High-level Forum on Global Geospatial Information Management

The Committee of Experts, at its thirteenth session, in decision 13/101

(d) Welcomed the **invitation of the Government of Mexico, through its National Institute of Statistics and Geography, to host the seventh High-level Forum on Global Geospatial Information Management, in Mexico City in October 2024**, with the theme "Accelerating implementation: achieving resilience", and confirmed the support of the Committee of Experts in the development and implementation of the programme of the Forum alongside the eleventh plenary meeting of the United Nations Global Geospatial Information Management Regional Committee for the Americas;

Items for consideration:

- Dates: 8 – 10 October 2024

- Location: Mexico City

- Establish an Advisory Committee

    - To prepare and promote an engaging substantive programme for the three days

- Entrust Bureau, the host and the Secretariat to coordinate and compose an Advisory Committee, and deliver the Seventh High-level Forum including matters related to venue, logistics and budget

UN-GGIM | United Nations Committee of Experts on Global Geospatial Information Management | WORKING GROUP ON POLICY AND LEGAL FRAMEWORKS FOR GEOSPATIAL INFORMATION MANAGEMENT

Positioning geospatial information to address global challenges

ggim.un.org

Agenda #11: Seventh High-level Forum on Global Geospatial Information Management with the theme "Accelerating implementation: Achieving resilience"

Agenda #11: Seventh High-level Forum on Global Geospatial Information Management with the theme "Accelerating implementation: Achieving resilience"

https://ggim.un.org/meetings/2024/7th_HLF_Mexico/

https://www.youtube.com/watch?v=4qCTnH3gjTQ

Agenda #12: Summary, next meeting and close

2024	Activity	Indicative timing and Deadline
	• Preliminary results of the paper on "Authoritative, fit for purpose data for crises" (Part II)	
	Global consultation and refinement of paper on "Authoritative, fit for purpose data for crises" (Part II)	October 2024 – April 2025
Meetings of the Working Group	21st virtual meeting	February/March 2024
	22nd virtual meeting	May/June 2024
	23rd virtual meeting	October 2024
	2nd expert meeting of the Working Group (in-person)	TBD
Forums	TBD	TBD

DAY 3: Summary and close

THANK YOU