UN Expert Group for the Integration of Statistical and Geospatial Information

Summary of progress

Martin Brady • ABS, Australia
Data for a better world

Leave no-one, no-where behind
“There is an urgent need for a mechanism, such as a global statistical-spatial framework, to facilitate consistent production and integration approaches for geo-statistical information.”


“… develop the Global Statistical Geospatial Framework as a common method for geospatially enabling statistical and administrative data to ensure that data from a range of sources can be integrated based on location and can be integrated with other geospatial information.”

UN-GGIM, Committee of Experts, New York 2015
International Mandate

UN Economic and Social Council (ECOSOC)

UN Statistical Commission (UNSC)

UN Committee of Experts on Global Geospatial Information Management (UN-GGIM)

UN Expert Group – Integration of Statistical Geospatial Information

... both communities
GSGF Development

UN EG-ISGI

Co-chairs & UN EG-ISGI members
- GSGF Development
- Coordination and oversight

GSGF Document Task Team

UNSD Secretariat

UN-GGIM Knowledge Base

GSGF Principle 1 Task Team
- Germany
- Mexico

GSGF Principle 2 Task Team
- Australia
- Sweden

GSGF Principle 3 Task Team
- Canada
- Poland

GSGF Principle 4 Task Team
- Eurostat
- UNECE

GSGF Principle 5 Task Team
- UK
- USA

GSGF Principle Task Teams membership include as appropriate:
- EG-ISGI-group, Regional bodies, NMCAs, Other countries, Other organisations

Common for all work programs:
- Specific tasks for the principle
- Specify broad implementation goals
- Specify optimum implementation model
- Collection of reference material, papers, guidelines, country implementation examples

Cross cutting issues - terminology, privacy and confidentiality, legal mandates, technical standards
GSGF
Integrating data
GSGF
5 Principles

1. Use of fundamental geospatial infrastructure and geocoding
2. Geocoded unit record data in a data management environment
3. Common geographies for the dissemination of statistics
4. Statistical and geospatial interoperability
5. Accessible and usable
GSGF
Full framework

INPUT
Geospatial
Statistical

PRINCIPLES
Accessible & usable
Statistical and geospatial interoperability
Common geographies for dissemination of statistics
Geocoded unit record data in a data management environment
Use of fundamental geospatial infrastructure and geocoding

KEY ELEMENTS
Standards and Good Practices
National Laws and Policy
Technical Infrastructure
Institutional Collaboration
Integration
Harmonised and standardised information
Interoperability
Comparability
Analysis
Decision making
Diffusion
EG-ISGI Wiki & GSGF

Global Statistical Geospatial Framework

- The Global Statistical Geospatial Framework
- GSGF: Linking Statistics and Place Report
- GSGF: Implementation Guide
- The Five Principles of the GSGF:
  1. Use of fundamental geospatial infrastructure and geocoding
  2. Geocoded unit record data in a data management environment
  3. Common geographies for dissemination of statistics
  4. Statistical and geospatial interoperability - Data, Standards and Processes and
  5. Accessible and usable geospatially enabled statistics.

Meeting Summaries

- 5th EG-ISGI Meeting Deqing China 2018
  - Oct 12, 2019 • attached by Mark Iffie [UNSG]
- 4th EG-ISGI Meeting Stockholm 2017
  - Oct 09, 2018 • attached by Mark Iffie [UNSG]
- 1st EG-ISGI Meeting New York 2018
  - Oct 09, 2018 • attached by Mark Iffie [UNSG]
- 3rd EG-ISGI Meeting- Summary-Paris 2016
  - Nov 09, 2018 • by Mark Iffie [UNSG]
- 13th September 2018 - Online Meeting Summary Report
  - Oct 08, 2018 • created by Mark Iffie [UNSG]

Link to wiki from http://ggim.un.org/UNGGIM-expert-group/
GSGF
Global Consultation

Responding Organisation
- Regional Organisation - Head Office
- Statistical Organisation
- Geospatial Organisation
- Combined Statistical and Geospatial
- Separate Statistical and Geospatial

Sources: ESRI, Arc/Info Supplement, ODI-AIDS, GIS user community. Projection: Robinson
GGIM9
Adoption decision

• Welcomed the EG report and noted the achievements
• Noted the effort from members on the GSGF
• Welcomed the broad GSGF consultation
• Adopted the GSGF!
• Encouraged UN-GGIM regional committees to support national and regional implementation
• Noted the proposed directions of the Expert Group
• Encouraged Member States and other stakeholders to participate and contribute

Paraphrased from UN-GGIM Decision 9/106, New York 2019
EG-ISGI Events

UN-GGIM Committee of Experts
- EG-ISGI report
- Global Statistical Geospatial Framework Information Session
- EG-ISGI working meeting

UN EG-ISGI
- Planning and work program
- Renewed ToR
- New co-Chairs appointed

UN Statistical Commission
- EG-ISGI report
- Global Statistical Geospatial Framework Information Session
The Integrated Geospatial Information Framework (IGIF)

Digital transformation and modernisation efforts in the statistical and geospatial communities

2030 Agenda for Sustainable Development and SDG Indicators

2020 round of population and housing censuses
Promote and support implementation of the Framework.

Coordinate, gather, incorporate and build on the work done by other stakeholder organisations and groups to provide supporting resources to assist implementation.

Showcase country and regional implementations and encourage collaboration to build capacity.

Promote and support statistical-geospatial interoperability initiatives.
EG-ISGI
Work program – 2 years

Communication strategy
► Awareness
► Support and resourcing
► Case studies – value
► Coordination with regions

Task Teams
► Capacity building coordination
► Geocoding
► Common geographies
► Interoperability
► Privacy and confidentiality
GSGF Framework document

The Global Statistical Geospatial Framework