UN-IGIF

UNITED NATIONS INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

JOHANNES VAN GEERTSOM
SYNTHESIS OFFICER NGI
UN-GGIM: Integration of communities

Statistics

Geospatial

Observations

Thematic Areas
UN-GGIM: Integration of needs and activities

**Needs**
- Significant gap among countries
- Lack of global decision-making
- Mandate of Governments
- High level coordination
- National to global policy frameworks
- Geospatial capacity building
- Address global issues as a community
- Develop norms, standards and guides

**Activities**
- Global geodetic reference frame
- Global fundamental data themes
- Institutional arrangements, legal and policy frameworks
- Standards and technical specifications
- Integration of geospatial, statistical and other information
- Land administration and management
- Sustainable development and disaster risk reduction
- Integrated Geospatial Information Framework

**Technical integration**

**Human interoperability**
**UN-GGIM: Strengthening the Global Data Ecosystem**

The activities and efforts that contribute to the unique local-to-global value of UN-GGIM for Member States

- Strengthening global geospatial information management
- Contribution of regional committees, thematic groups and networks
- Legal and policy frameworks and issues related to authoritative data
- Trends in national institutional arrangements
- Adoption of standards and technical specifications
- Strengthening collaboration with UNGEGN
- United Nations activities in geospatial information management
- Secretariat programme management

- Global geodetic reference frame
- Global fundamental geospatial data themes
- Integration of geospatial, statistical and other information
- Geospatial information and services for disasters
- Land administration and management
- Geospatial information for sustainable development
- Integrated Geospatial Information Framework
- Marine geospatial information

Normative strengthening, capacity building and implementation of GGIM in support of the 2030 Agenda
In 2022, the Committee of Experts transmitted to ECOSOC its final report, pursuant to resolution E/RES/2016/27 on strengthening institutional arrangements on geospatial information management (E/2022/68) entitled ‘Enhancing global geospatial information management’ in June 2022. The comprehensive report described the process of ‘transition’ marking the Committee’s work, starting with an initial five-year period (2012 – 2016) on establishment; the report then detailed its second five-year period (2017-2021) on institutionalization; and then considers the Committee’s future in the coming five-year period – on implementation of the Committee’s frameworks, anchored by the UN-IGIF.
UN-IGIF helps to overcome traditional challenges

**CHALLENGES**

**LIMITED CAPABILITIES**
Data management policies, practices, and integration and analytical capabilities are currently limited in many countries. This is particularly a significant challenge for developing countries.

**ORGANIZATIONAL SILOS**
Geospatial information has been typically collected in organizational silos - resulting in data duplication, and the use of different data standards, formats, and classifications. This has made data harmonization, maintenance and integration problematic.

**OPPORTUNITY**

**INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK**
IGIF provides an inclusive and engaging mechanism to bring collaboration, coordination, and cohesion across a country (government institutions & private sector) for the purposes of developing, strengthening and integrating arrangements in national geospatial information management.
WHAT IS THE UN-IGIF overview
UN Integrated Geospatial Information Framework

• Framework developed by UN member states, UN-GGIM Secretariat and World Bank;

• Instrument to support development of national geospatial information management;

• Calls for partnerships with civil society, private sector, government and academia;

• Strengthening national cooperation.
**Part 1: Overarching Strategic Framework** – **WHY** geospatial information is a critical element of national social and economic development, and needs to be strengthened.

**Part 2: Implementation Guide** – **WHAT** actions can be taken to strengthen geospatial information management.

**Part 3: Country-level Action Plan** – **HOW** the actions will be carried out, **WHEN** and by **WHOM**.
ELEMENTS OF A COUNTRY-LEVEL ACTION PLAN

- **Why?**
  - Explains why actions are necessary
  - Background and Rationale
  - Vision, Mission and Goals

- **What?**
  - Explains what it is you are aiming to achieve
  - Approaches
  - Strategic Alignment
  - Agencies and People

- **How, when, who?**
  - Explains how actions fit within the broader framework and inter-relate with other actions
  - Outcomes
  - Deliverables
  - Schedule and Milestones
  - Budget Estimations

Three interconnected parts

http://ggim.un.org/IGIF/
THE NINE STRATEGIC PATHWAYS OF THE UN-IGIF

http://ggim.un.org/IGIF/

Anchored by nine Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.
THE NINE STRATEGIC PATHWAYS OF THE IGIF

9 Strategic Pathways solve the IGIF puzzle ...with 36 Key Elements
THE NINE STRATEGIC PATHWAYS OF THE UN-IGIF

1. Governance and Institutions
2. Legal and Policy
3. Financial
4. Data
5. Innovation
6. Standards
7. Partnerships
8. Capacity and Education
9. Communication and Engagement

Interrelated Actions

Outcomes and Benefits

Implementation Guide

National Implementation Guide

Overarching Strategic Framework

Part 1

Integrated Geospatial Information Framework

Part 2

Country-level Action Plans

Part 3

National (or sub-national) Action Plans/Delivery System

How, when, who?

Elements

Fundamental Data Themes
Custodianship, Acquisition and Management
Data Supply Chain Interlinkages
Data Curation and Delivery

Guiding Principles

Data

UN-GGIM
United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges
ggim.un.org
UN-IGIF Implementation projects*

*Non-Exhaustive list
Thank you!

Questions?
Johannes.Van.Geertsom@ngi.be