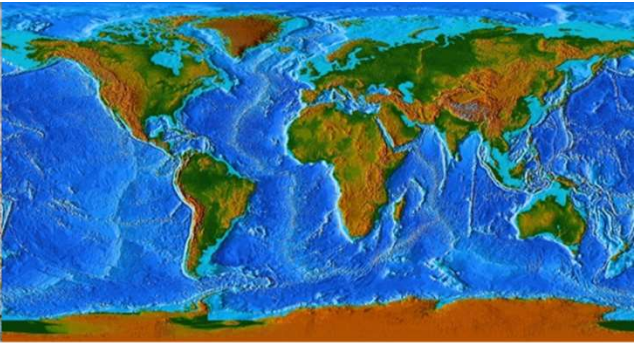


Transforming our world -
The 2030 Agenda for
Sustainable Development



Meeting of the United Nations Committee of Experts on International Statistical Classifications 25-28 October 2022, Conference Room E, GA Building, UNHQ

Session 7 Global Statistical Geospatial Framework (GSGF)

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United Nations Secretariat
Global Geospatial Information Management

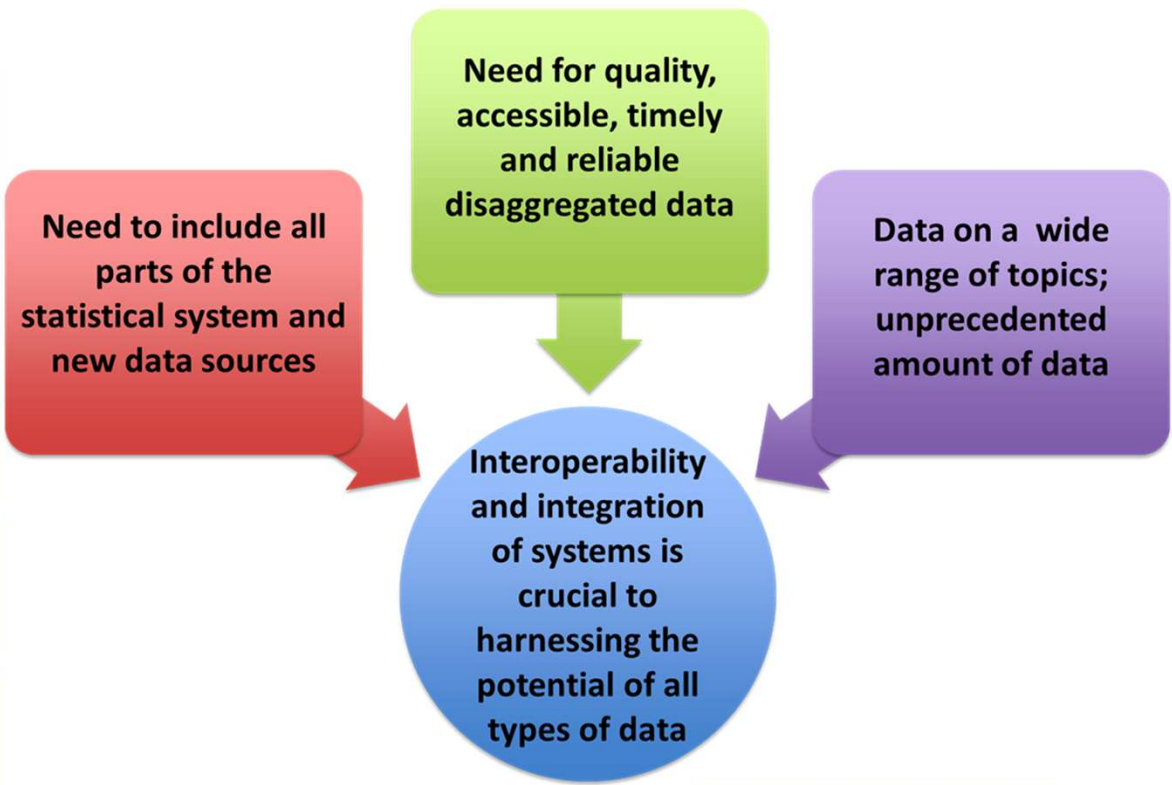
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SUSTAINABLE DEVELOPMENT GOALS



The transformative nature of the 2030 Agenda requires new and innovative data sources and integration approaches to implement the SDGs and to leave no one behind.

The SDGs are highly dependent on geospatial information and enabling technologies as the primary data and tools for relating people to their location, place and environment, and to measure 'where' progress is, or is not, being made, especially at local levels.



"the availability of high-quality data is also critical, helping decision makers to understand *where* investments can have the greatest impact"

António Guterres
Secretary-General of the United Nations



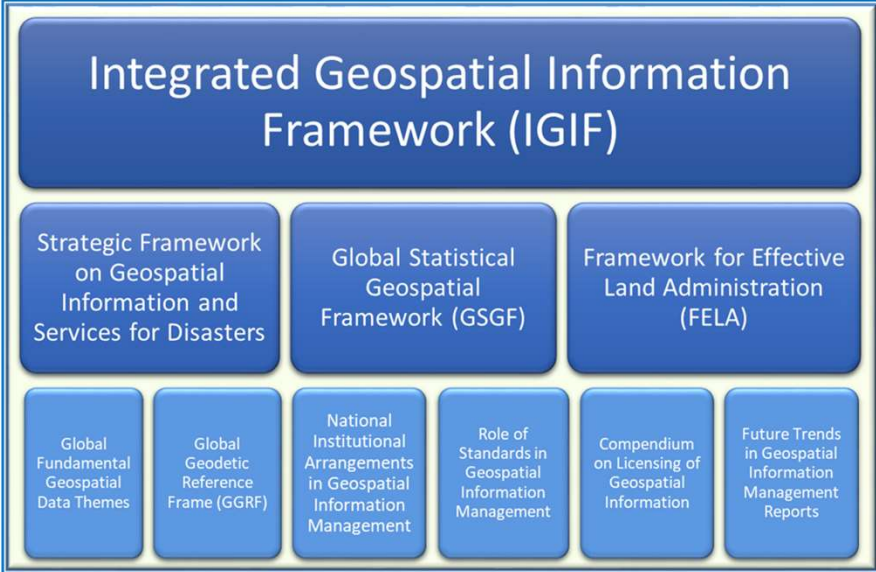
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STRATEGIC DRIVERS

- National Development Agenda
- National Strategic Priorities
- National Transformation Programme
- Community Expectations
- Multilateral trade agreements
- Transforming our World: 2030 Agenda for Sustainable Development
- New Urban Agenda
- Sendai Framework on Disaster Risk Reduction 2015 – 2030
- Addis Ababa Action Agenda
- Small Island Developing States Accelerated Modalities of Action (SAMOA Pathway)
- United Nations Framework Convention on Climate Change (Paris Agreement)
- United Nations Ocean Conference: Call for Action



Implementing national programmes and priorities and the 2030 Agenda for Sustainable Development will be sub-optimal without globally developed, consulted and adopted frameworks, strategies and mechanisms to integrate data and information for the measuring, monitoring and reporting processes.

“the availability of high-quality data is also critical, helping decision makers to understand *where* investments can have the greatest impact”

António Guterres
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Global Development Frameworks

2030 AGENDA FOR SUSTAINABLE DEVELOPMENT



Sendai Framework for Disaster Risk Reduction 2015-2030

Paris Agreement on Climate Change

Strategic Framework on Geospatial Information and Services for Disasters

Global Statistical Geospatial Framework (GSGF)

Framework for Effective Land Administration (FELA)

SAMOA Pathway for SIDS
Addis Ababa Action Agenda
Habitat III New Urban Agenda
Our Ocean, Our Future:
Call for Action

Global Fundamental Geospatial Data Themes
Global Geodetic Reference Frame (GGRF)
National Institutional Arrangements in Geospatial Information Management
Role of Standards in Geospatial Information Management
Compendium on Licensing of Geospatial Information
Statement of Shared Guiding Principles for Geospatial Information Management

UN-GGIM Global Geospatial Frameworks

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK (IGIF)



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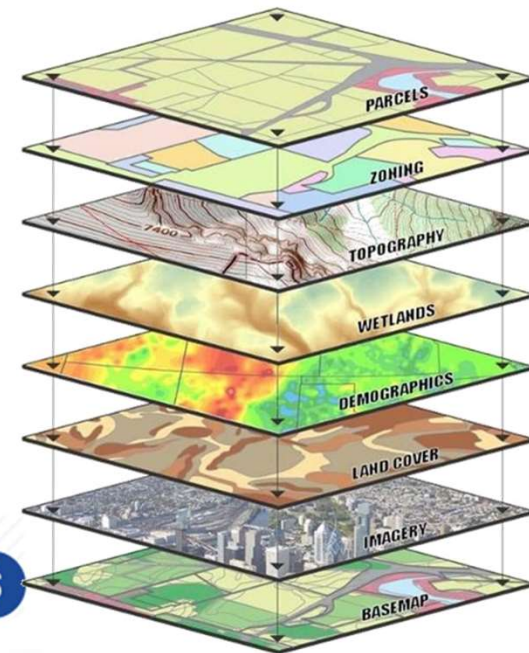
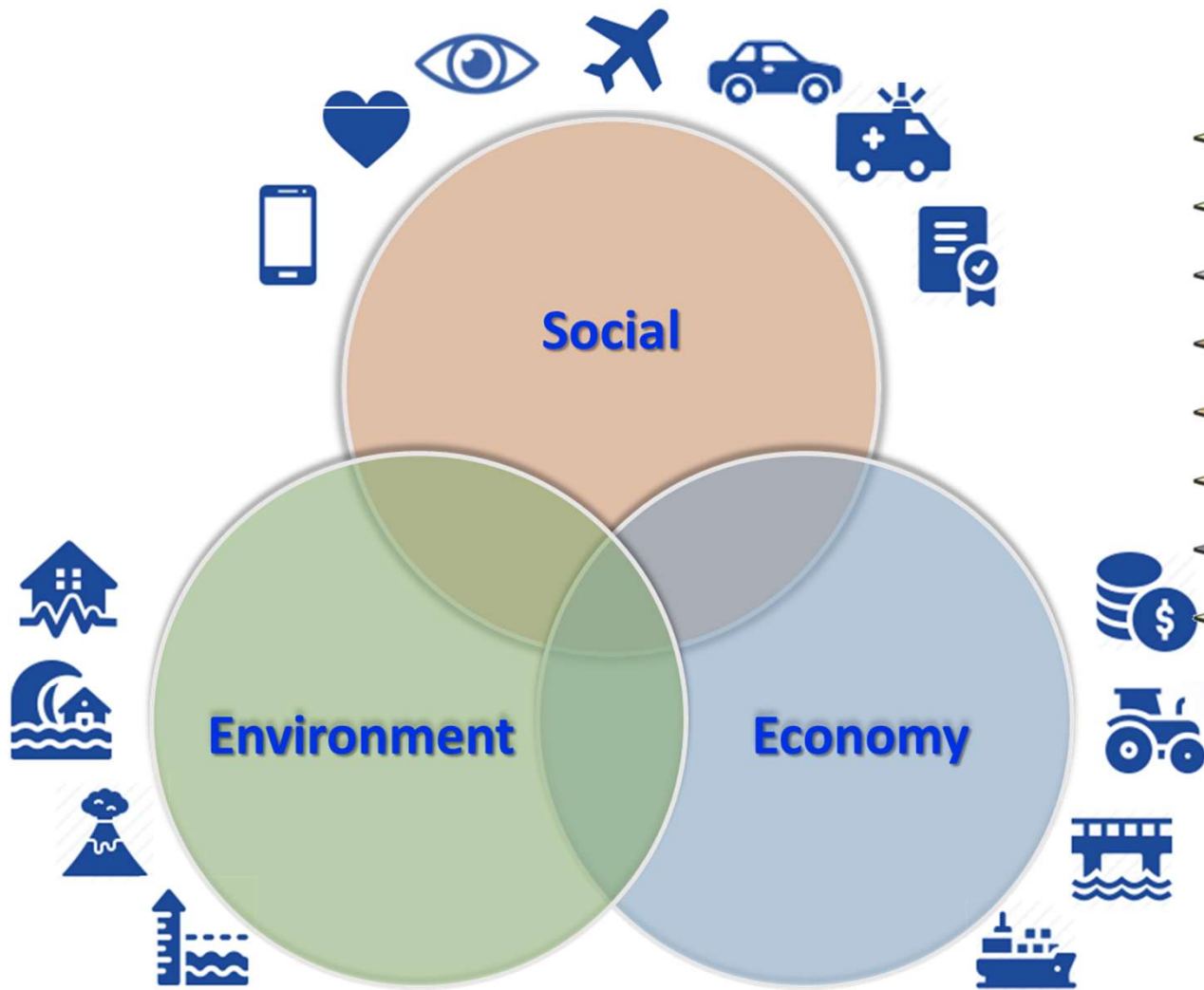
E/RES/2022/24

Enhancing global geospatial information management arrangements

4. Reiterates the importance of strengthening and enhancing the effectiveness of the Committee of Experts, particularly for the achievement of its operations focused on the Sustainable Development Goals and the Integrated Geospatial Information Framework, to strengthen and ensure its continued effectiveness and benefits to all Member States;

6. Decides to enhance the institutional arrangements of the Committee of Experts as a subsidiary body of the Economic and Social Council in charge of all matters related to geospatial information, geography, land administration and related topics, in accordance with the terms of reference annexed to the present resolution;

There need to be more institutional collaboration, coordination, interoperability and integration across national data and information systems and platforms, and influenced by Governance, Technology and People



"the availability of high-quality data is also critical, helping decision makers to understand *where* investments can have the greatest impact"

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Secretary-General of the United Nations



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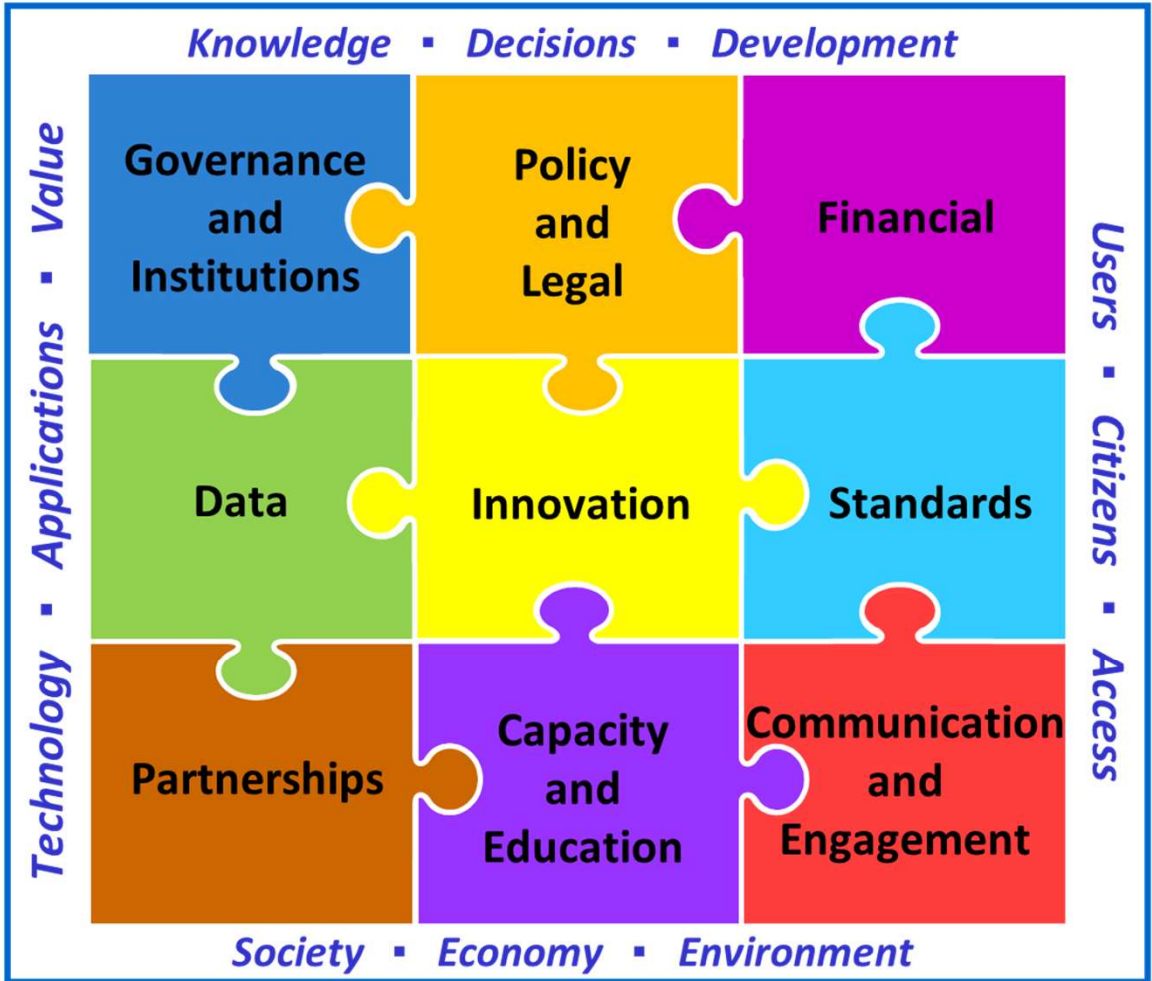


UN-IGIF
INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK

Governance →

Technology →

People →



Anchored by nine Strategic Pathways, the IGIF is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps. The Strategic Pathways 'implement' the UN-IGIF through actions.



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The United Nations Integrated Geospatial Information Framework (UN-IGIF) provides an overarching paradigm to further strengthen nationally integrated geospatial information management, not only for Member States that were in the early stages of adopting national spatial data infrastructures but also for those that had already successfully implemented spatial data infrastructure capabilities

(Eleventh session, Committee of Experts on Global Geospatial Information Management, August 2021)



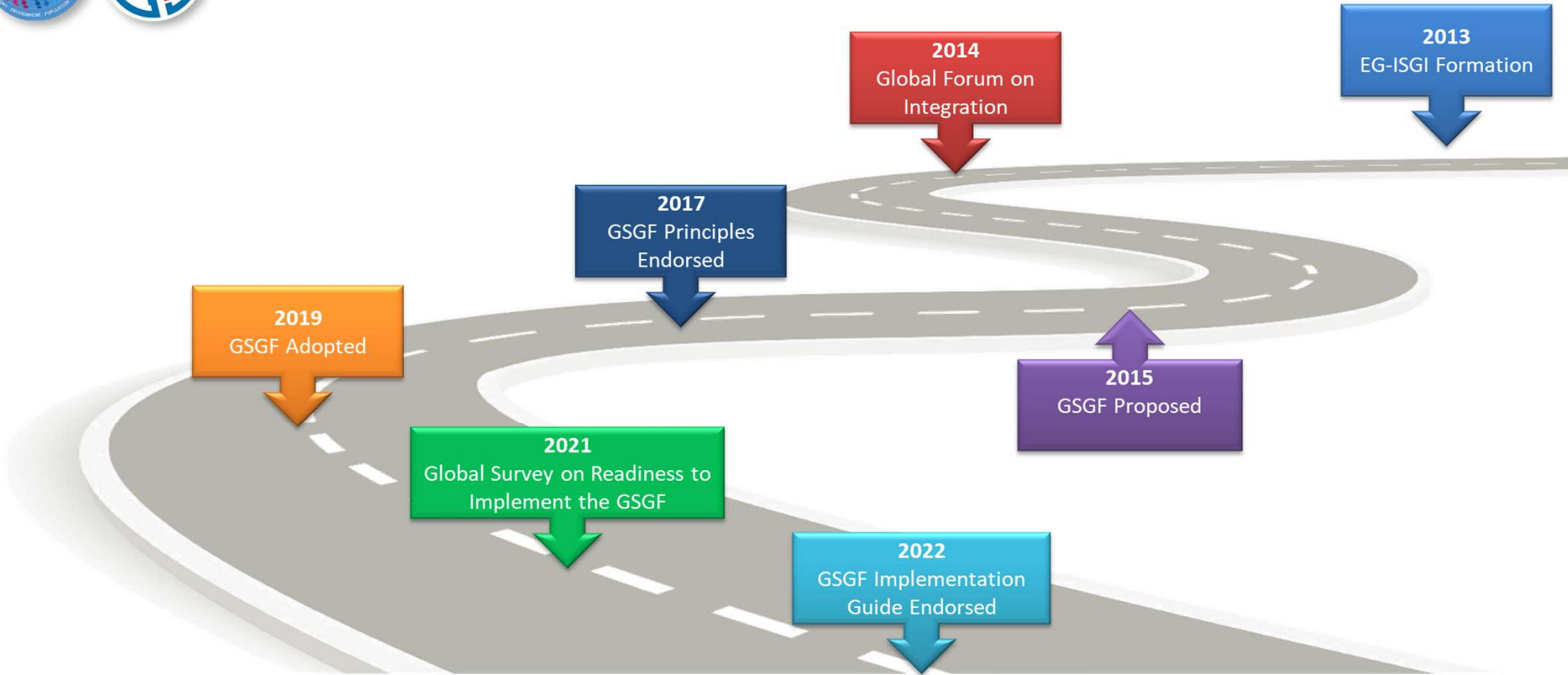
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Expert Group on the Integration of Statistical and Geospatial Information



THE GLOBAL STATISTICAL GEOSPATIAL FRAMEWORK



The Global Statistical Geospatial Framework (GSGF) facilitates the integration of statistical and geospatial information.

A Framework for the world, the GSGF enables a range of data to be integrated from both statistical and geospatial communities and, through the application of its five Principles and supporting key elements, permits the production of harmonized and standardized geospatially enabled statistical data. The resulting data can then be integrated with statistical, geospatial, and other information to inform and facilitate data-driven and evidence-based decision making

https://ggim.un.org/meetings/GGIM-committee/9th-Session/documents/The_GSGF.pdf



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THE GLOBAL STATISTICAL GEOSPATIAL FRAMEWORK

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

INPUT

Geospatial

- Fundamental data
- Supplementary data
- New data sources

Statistical

- Censuses
- Surveys
- Administrative data records
- Big data and other sources

OUTPUT

Integration

Harmonised and standardised information

Interoperability
Comparability

Analysis

Diffusion

Decision making

https://ggim.un.org/meetings/GGIM-committee/9th-Session/documents/The_GSGF.pdf



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THE GSGF IMPLEMENTATION GUIDE



The Global Statistical Geospatial Framework:
Implementation Guide

Noted the endorsement of the Implementation Guide of the Global Statistical Geospatial Framework by the Statistical Commission in its decision 53/127 of 11 March 2022 as a practical means to implement the Framework and to create, disseminate and utilize geospatially enabled statistics, and welcomed the many use cases and good practices describing how the Framework had been implemented and operationalized within national and regional contexts



(Decision 12/108, UN-GGIM, Aug 2022)

The GSGF Implementation Guide is composed of three main 'chapters' to help the implementation of the GSGF.

Implementation Guidance

- Implementing Geocoding
- Implementing Common Geographies
- Fostering Interoperability
- Ensuring Privacy and Confidentiality

Terminology of the Integration of Statistical and Geospatial Information

Experiences of Implementation

- 30 National Experiences
- 5 Regional Experiences

<https://unstats.un.org/unsd/statcom/53rd-session/documents/BG-3x-EG-ISGI-GSGF-Implementation-Guide-E.pdf>



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THANK YOU

I HANK YOU



Thirteenth Session of
the United Nations
Committee of Experts
on Global Geospatial
Information
Management
2 – 4 August 2023
UNHQ, New York



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