

# UN-GGIM7 - Side event

## The 2020 Round of Population and Housing Census and the Global Statistical Geospatial Framework

Presented by

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UN-GGIM

United Nations Secretariat  
Global Geospatial Information Management

[ggim.un.org](http://ggim.un.org)

# GSGF and the 2020 Census

*Pursue the development of a Global Statistical Geospatial Framework (GSGF), particularly in support of the 2020 Round of Population and Housing Census and the systematic follow-up and review of the implementation of the 2030 Agenda for Sustainable Development.*

- Overview of the Global Statistical Geospatial Framework.
- Where are we? - the role of geospatial information in the 2020 Census round.
- Situations and case studies.
- **Presentations and panel discussion.**



# International Mandate

**UN Economic and Social Council  
(ECOSOC)**

**UN Statistical Commission  
(UNSC)**

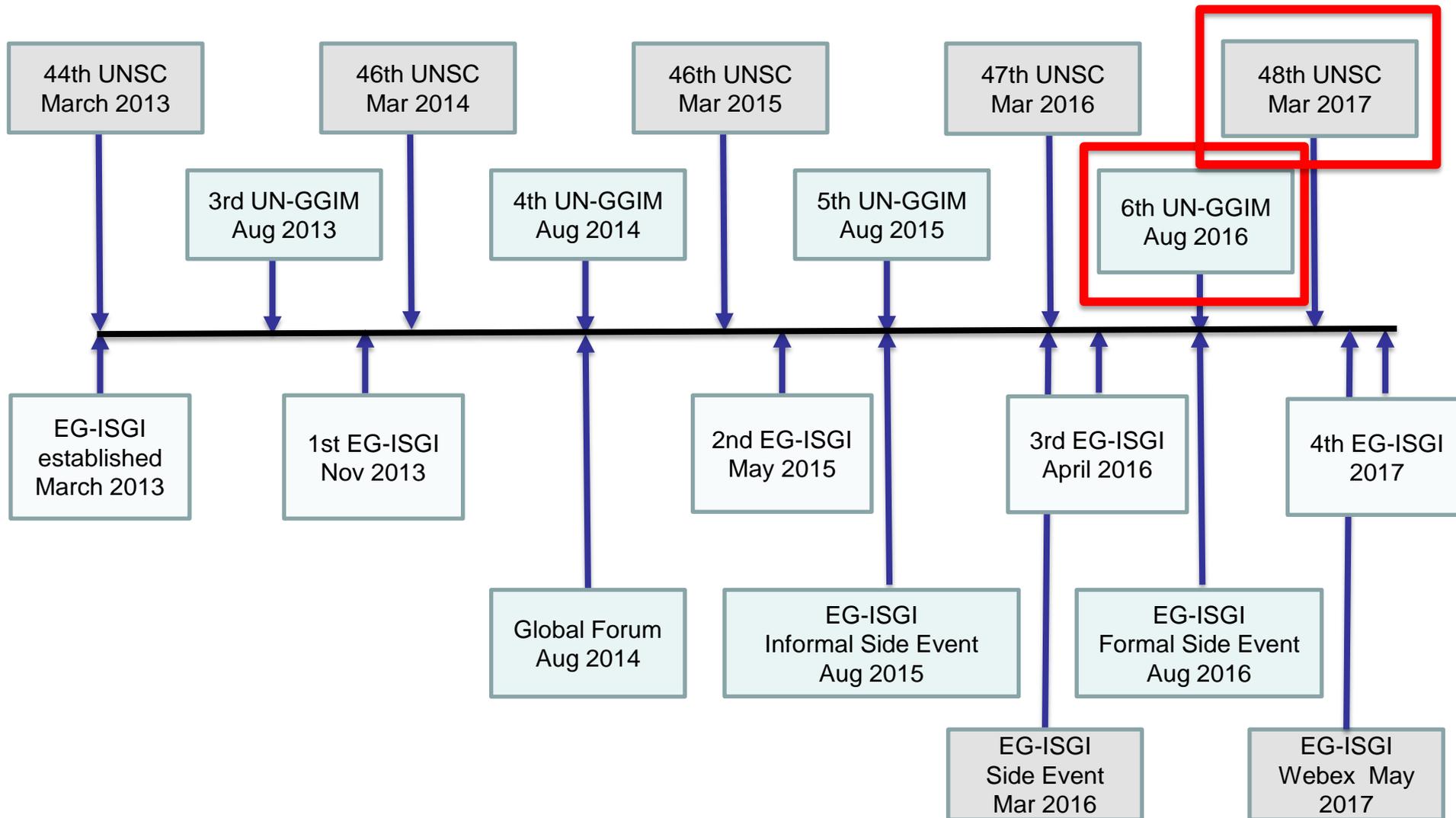
- **Endorsed the Global Framework - March 2017**

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

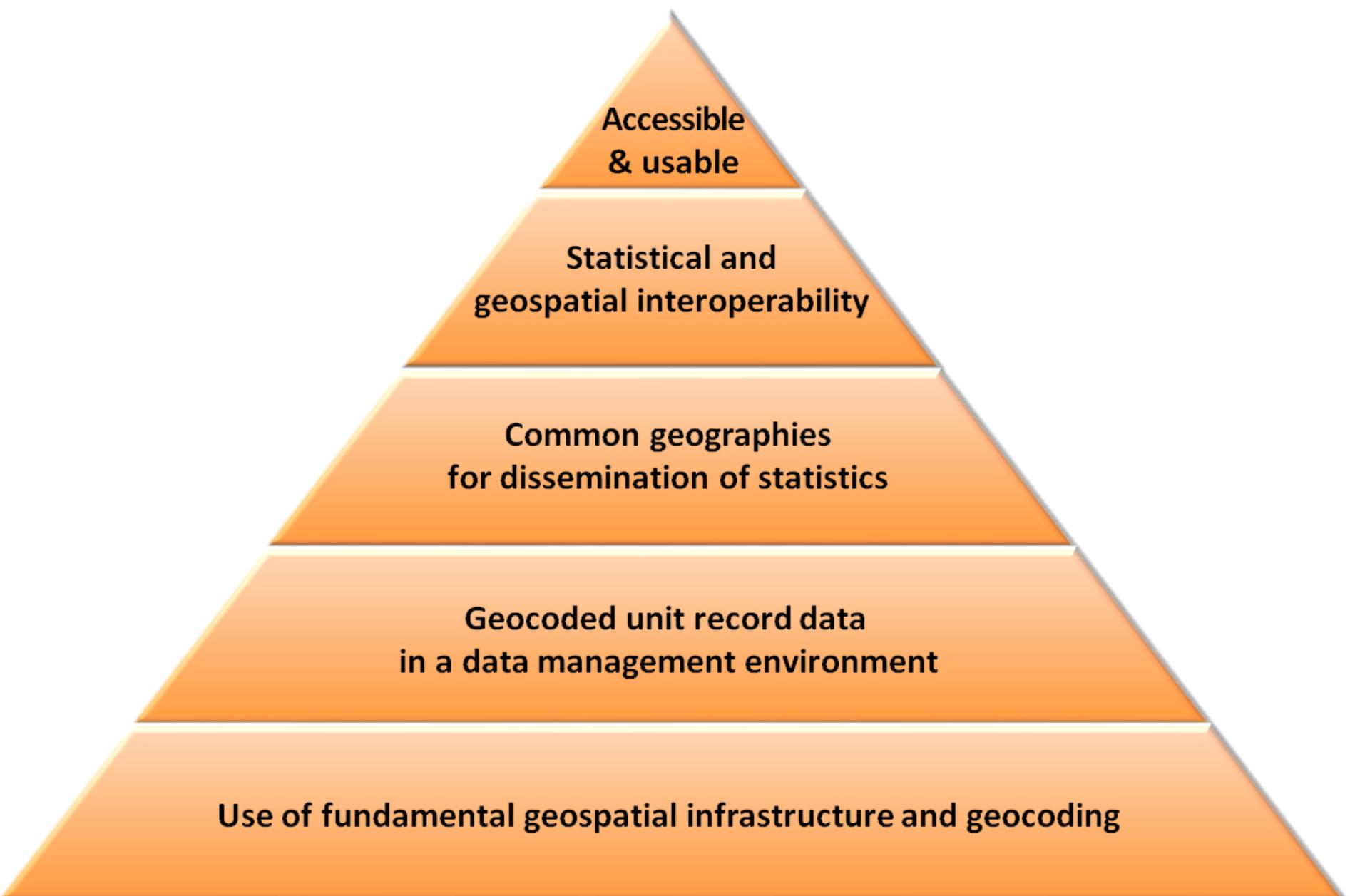
- **Adopted the Global Framework - August 2016**

**UN Expert Group – Integration of  
Statistical Geospatial Information**

# Global Statistical Geospatial Framework: Timeline



# Global Statistical Geospatial Framework : 5 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**

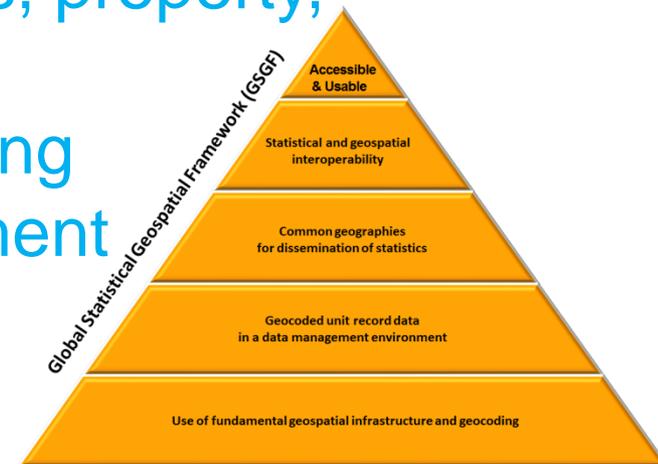
# Principle 1:

## Use of fundamental geospatial infrastructure and geocoding

A common and consistent approach to establishing a location and temporal description of each unit in a dataset, using national fundamental datasets.

### Objectives:

- Accurate and consistent address, property, building and location information
- Accurate and consistent geocoding results, and consistent management of geocoding issues.



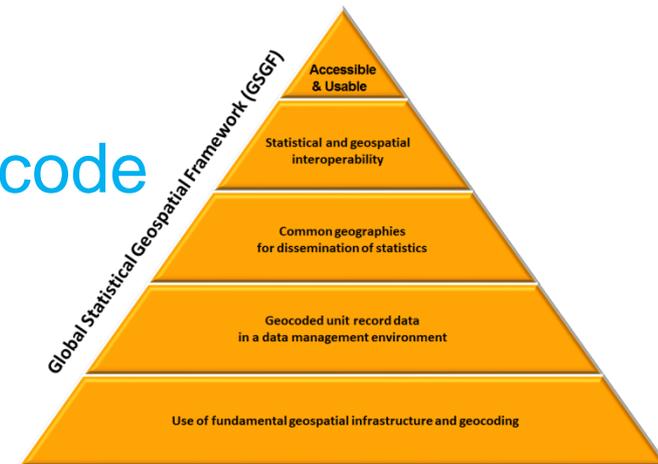
## Principle 2:

# Geocoded unit record data in a data management environment

Storage of the unit record statistical data linked to a geocode within a data management environment will ensure flexibility over time and protect privacy and confidentiality.

### Objectives:

- Effective data management and custodianship
- Consistent and interpretable geocode information
- Simplified data aggregation



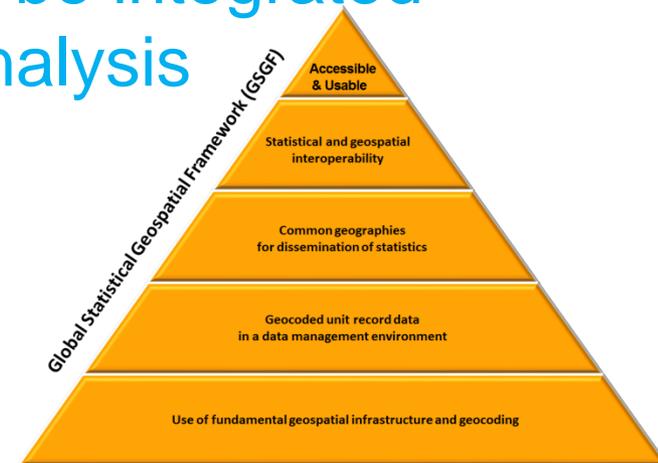
## Principle 3:

# Common geographies for dissemination of statistics

A common set of geographies for the display, reporting and analysis of statistics to enable comparisons across datasets – statistical and geospatial.

### Objective:

- Data from disparate sources can be integrated
- Aggregation, visualisation and analysis is simplified
- Conversion of data between geographies is supported



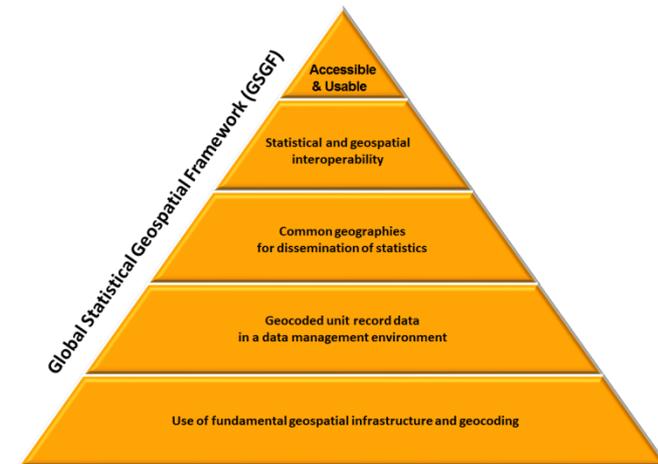
# Principle 4:

## Statistical and geospatial interoperability

Greater interoperability to enhance the efficiency of creation, discovery, access and use of data.

### Objectives;

- Greater efficiency and simplification in the creation and use of data.
- A wider range of data available for analysis and broader application of data and technologies.



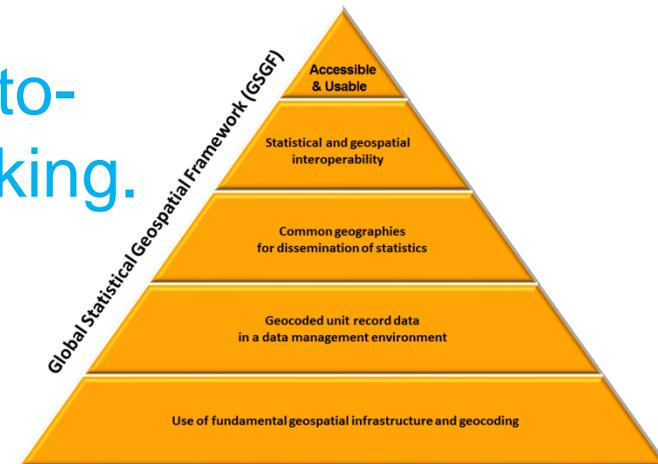
## Principle 5:

# Accessible and useable geospatially enabled statistics

Identification and development of policies, standards and guidelines to support the release and use of geospatially enabled information.

### Objectives:

- Data released and accessible, with privacy and confidentiality protected.
- Web services enabling machine-to-machine access and dynamic linking.
- Promote best practices.



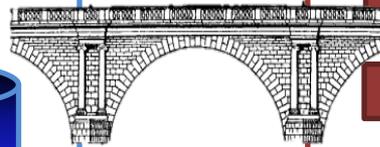
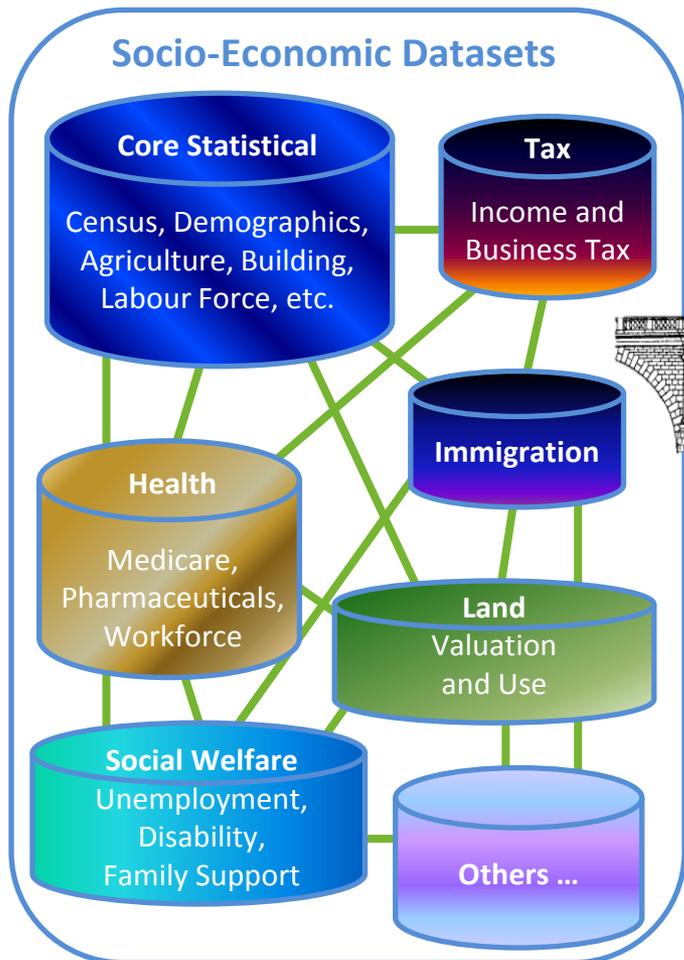
# GSGF and Census 2020

- One of the current focus points of the Expert Group is to pursue the development of a Global Statistical Geospatial Framework (GSGF), particularly in support of the 2020 Round of Population and Housing Census.



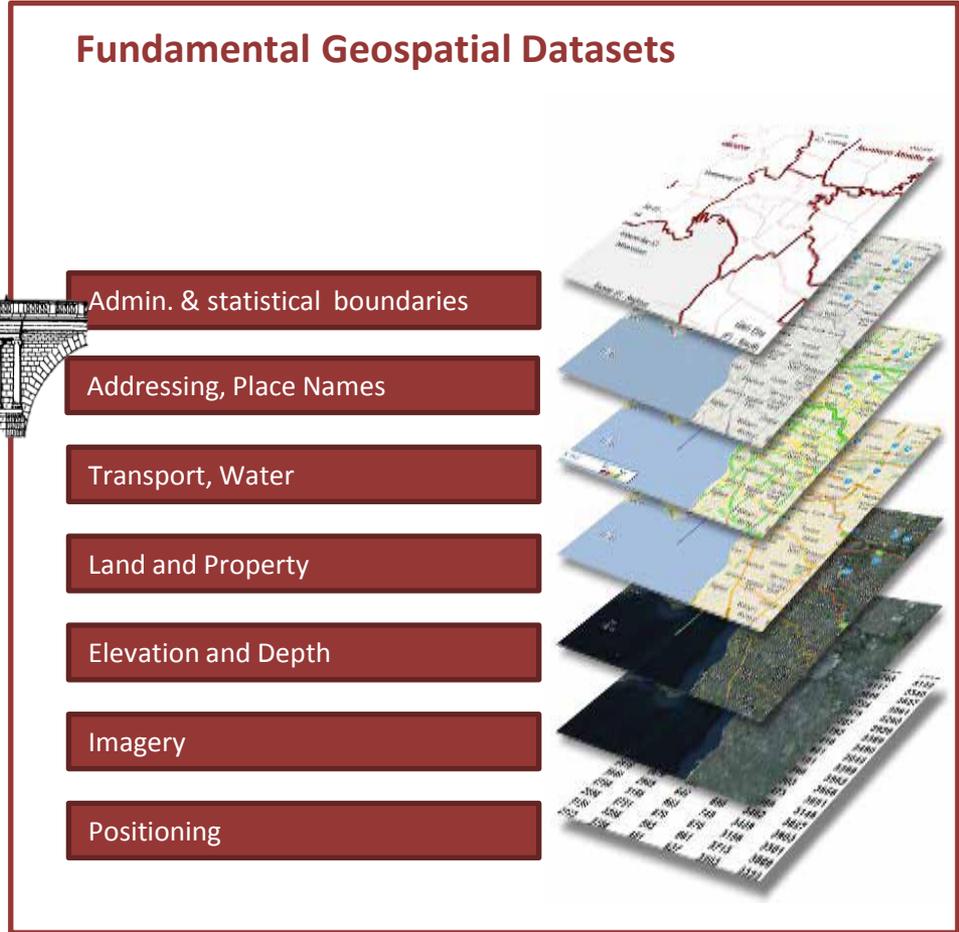
# Global Statistical Geospatial Framework - bridging integration gaps

## Statistical Community



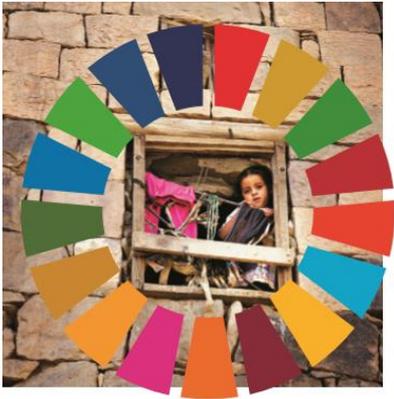
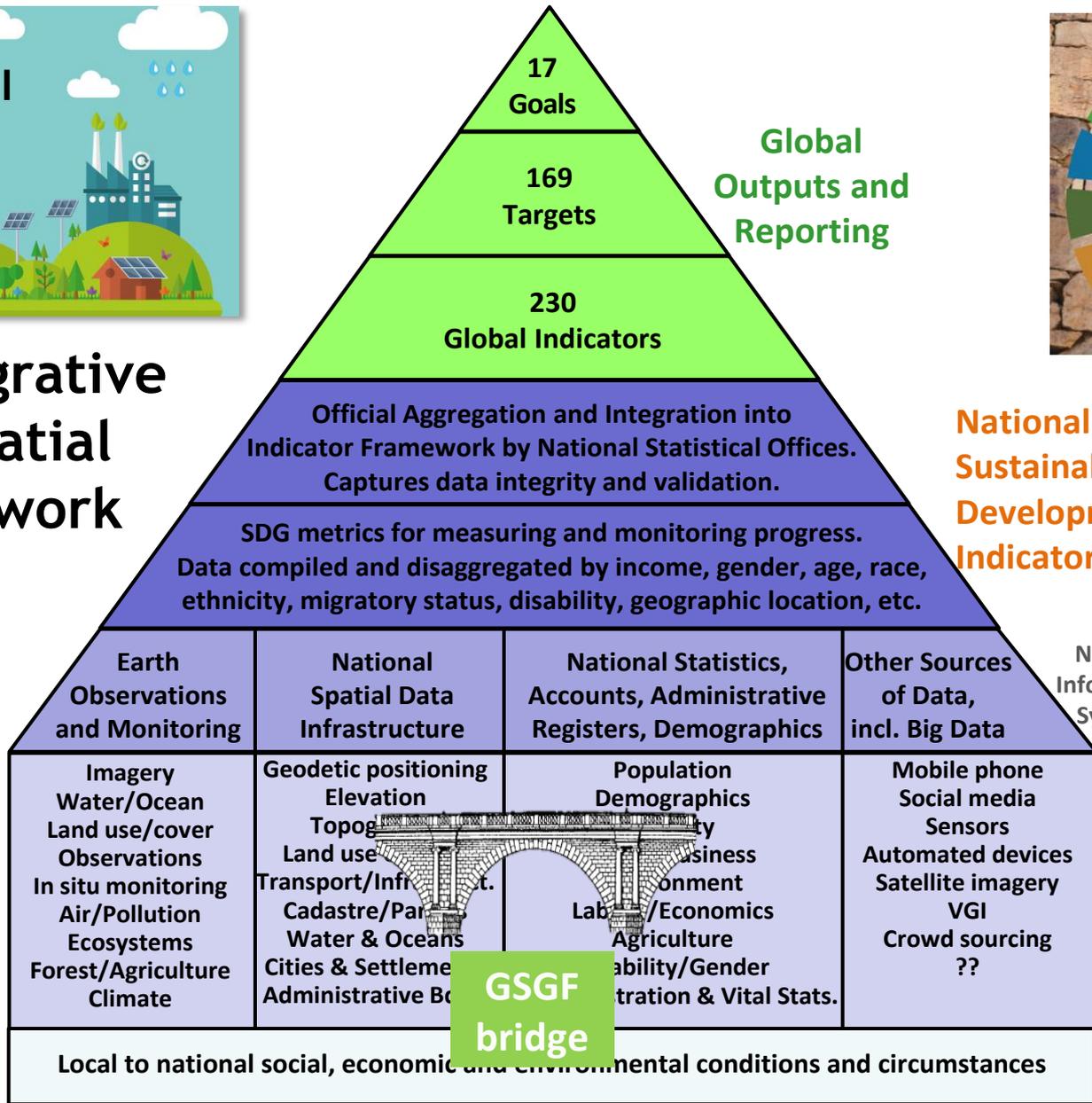
**GSGF  
bridge**

## Spatial Community





# An integrative geospatial framework



**National Sustainable Development Indicators**

National Information Systems

**Data Inputs**

Fundamental baseline data and new data sources

**GSGF bridge**



**UN-GGIM**

United Nations Secretariat  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

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