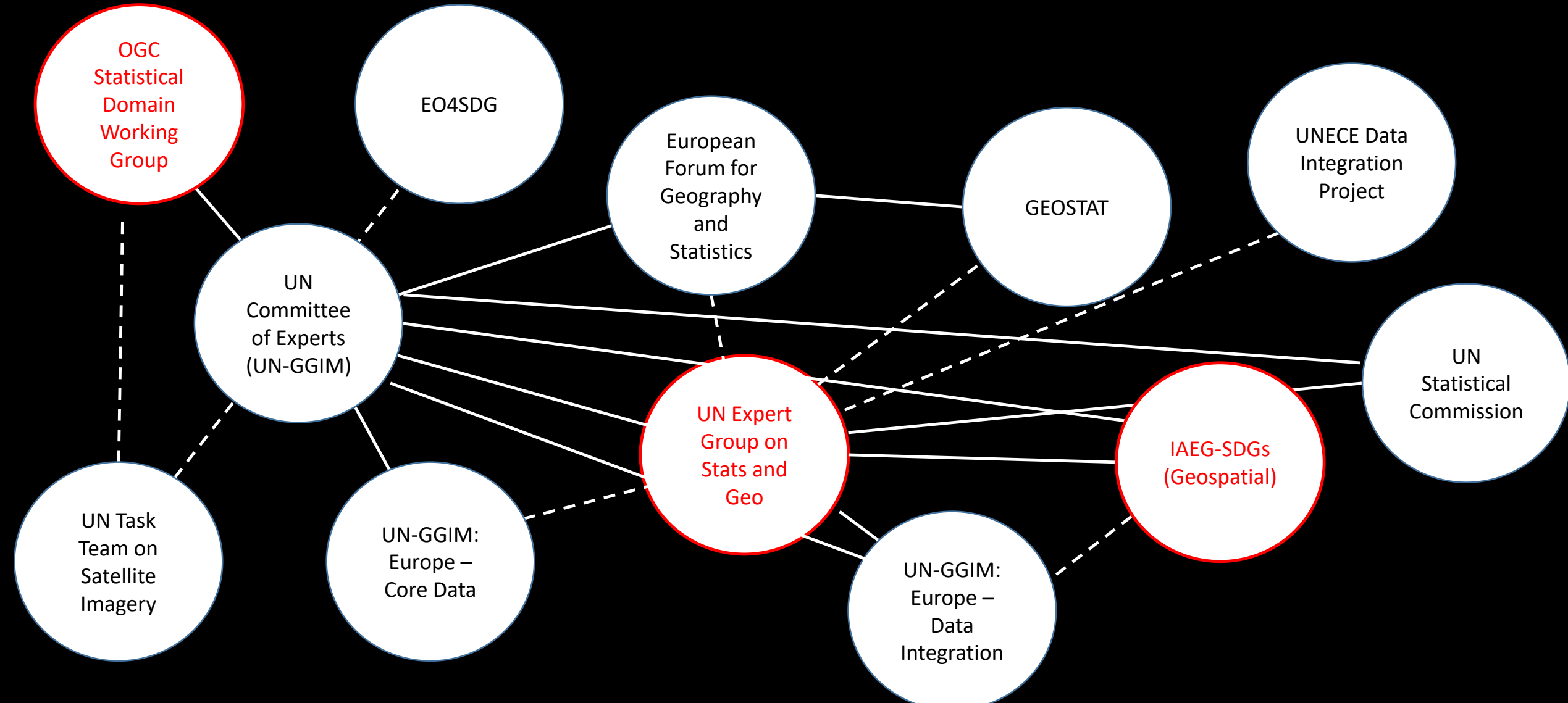


# **Bringing geography and statistics together to support the SDGs**

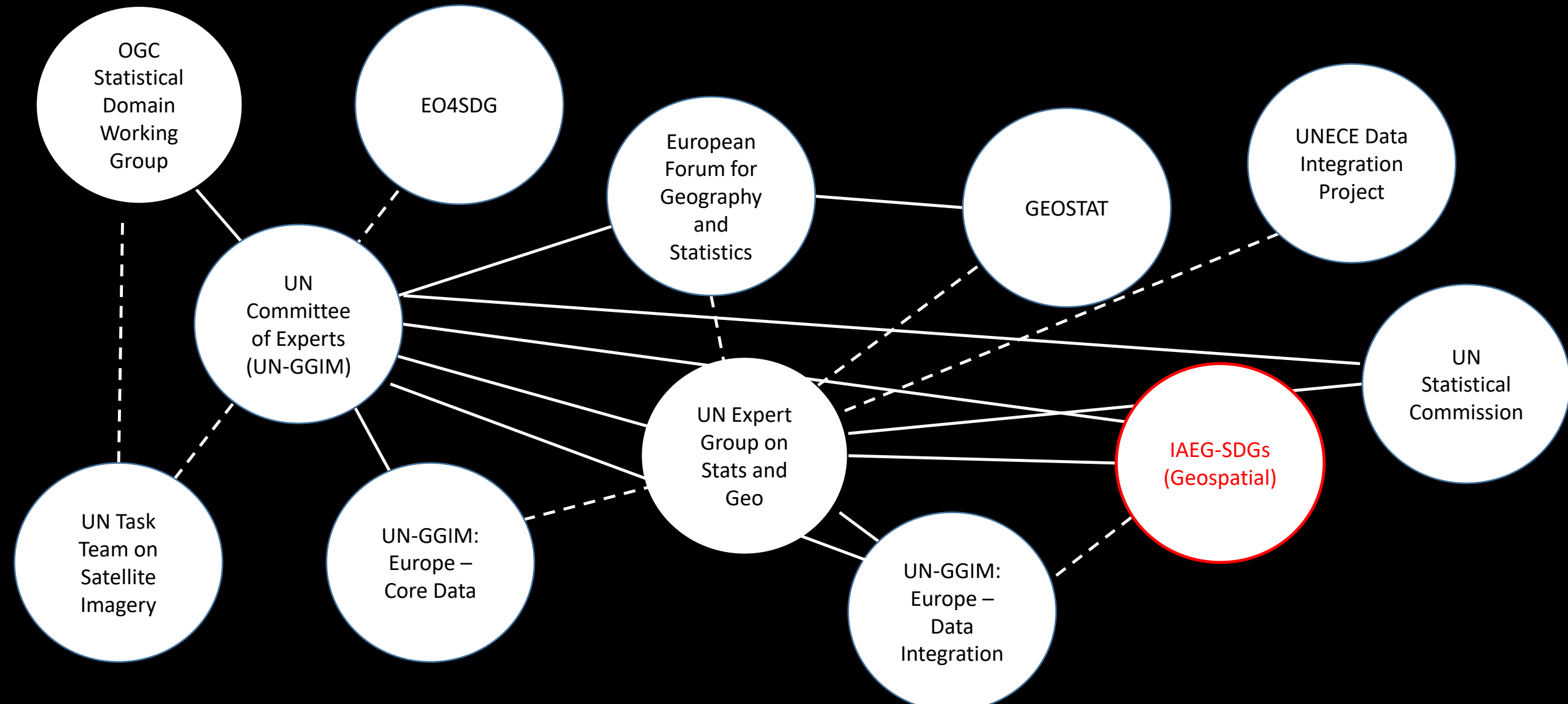
## **The International Perspective**

**Ian Coady**  
**Office for National Statistics**

# The integration of statistics and geospatial 'space' is congested



# IAEG-SDGs (Geospatial Working Group)



# IAEG-SDG: Earth Observation

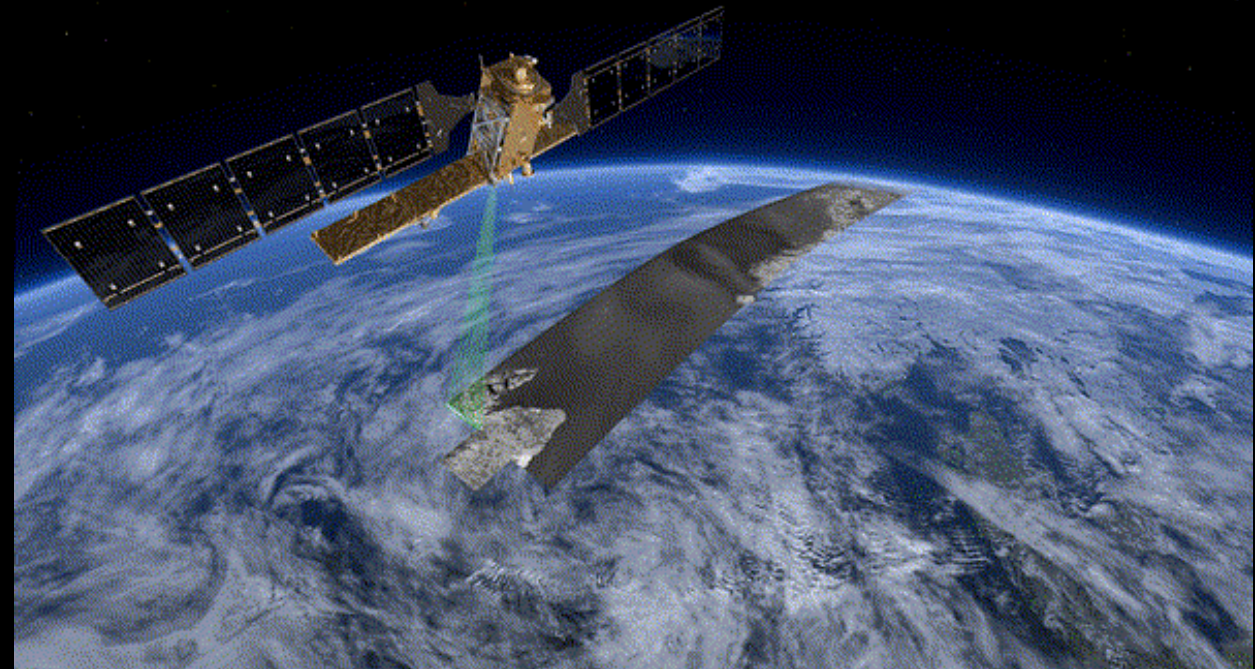
Task team aiming to leverage existing partnerships with space agencies active in EO4SDG initiative

Aims to support NSO uptake of analysis or production using satellite earth observation time series data (feasibility, pilots, guidance, training)

Key challenges:

- Data availability
- specialist expertise not readily available at local levels.

Focus on six indicators – 6.3.1, 6.3.2, 6.6.1, 9.1.1, 11.3.1 and 15.3.1.



# IAEG-SDG: Disaggregation (and aggregation)

“Leave no-one behind” – important to be able to analyse data across different geographic locations.

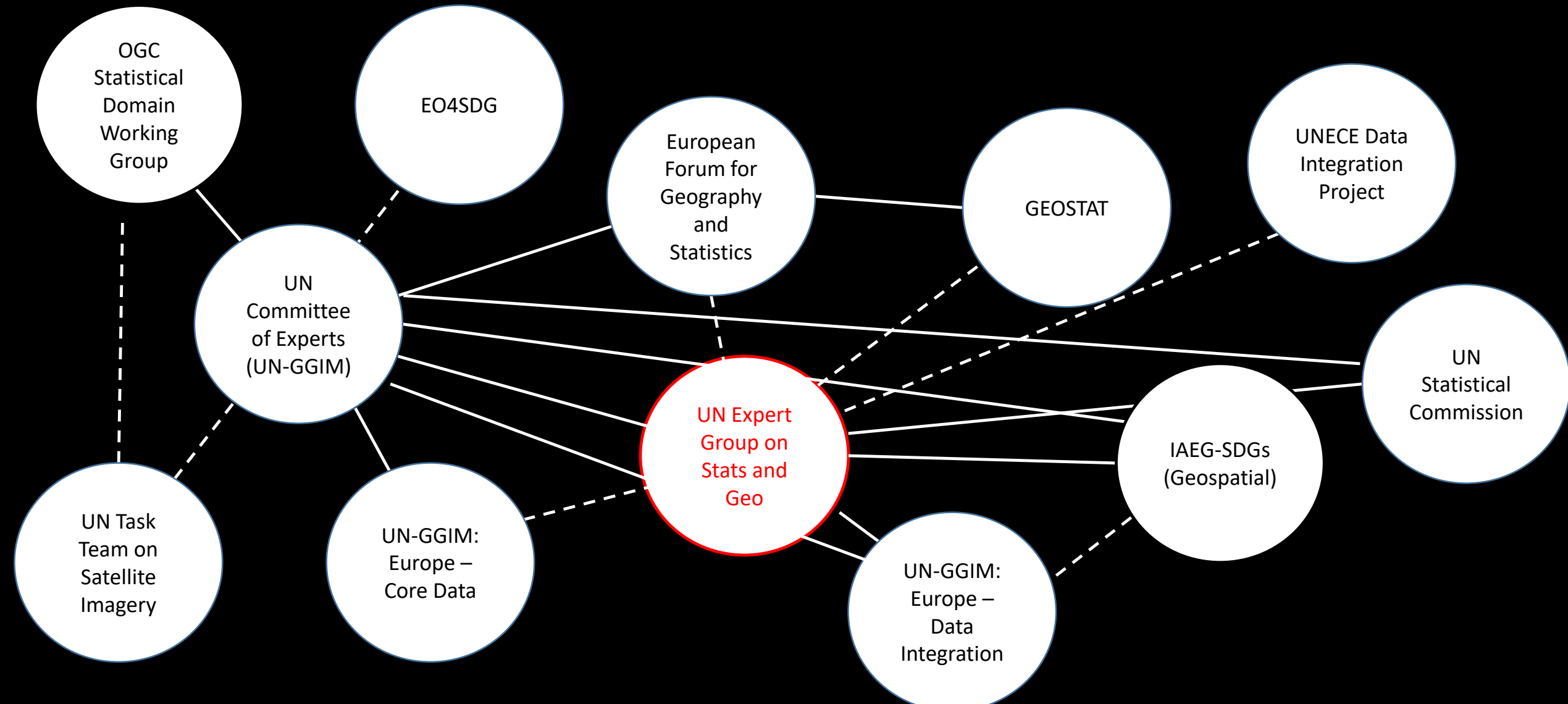
Supports policy and decision makers to better understand how indicators reflect relationships between people and place.

Guided by the Five Principles of the Global Statistical Geospatial Framework (GSGF) – although mainly focuses on aggregation (bottom up)

Looking at disaggregation techniques involving different sources including earth observations (a “top-down” approach).

Learn from other work in this area – World Pop Project

# UN Expert Group on Integrating Statistics and Geospatial



# International Mandate

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

**UN Statistical Commission (UNSC)**

Endorsed the Global Framework – March 2017

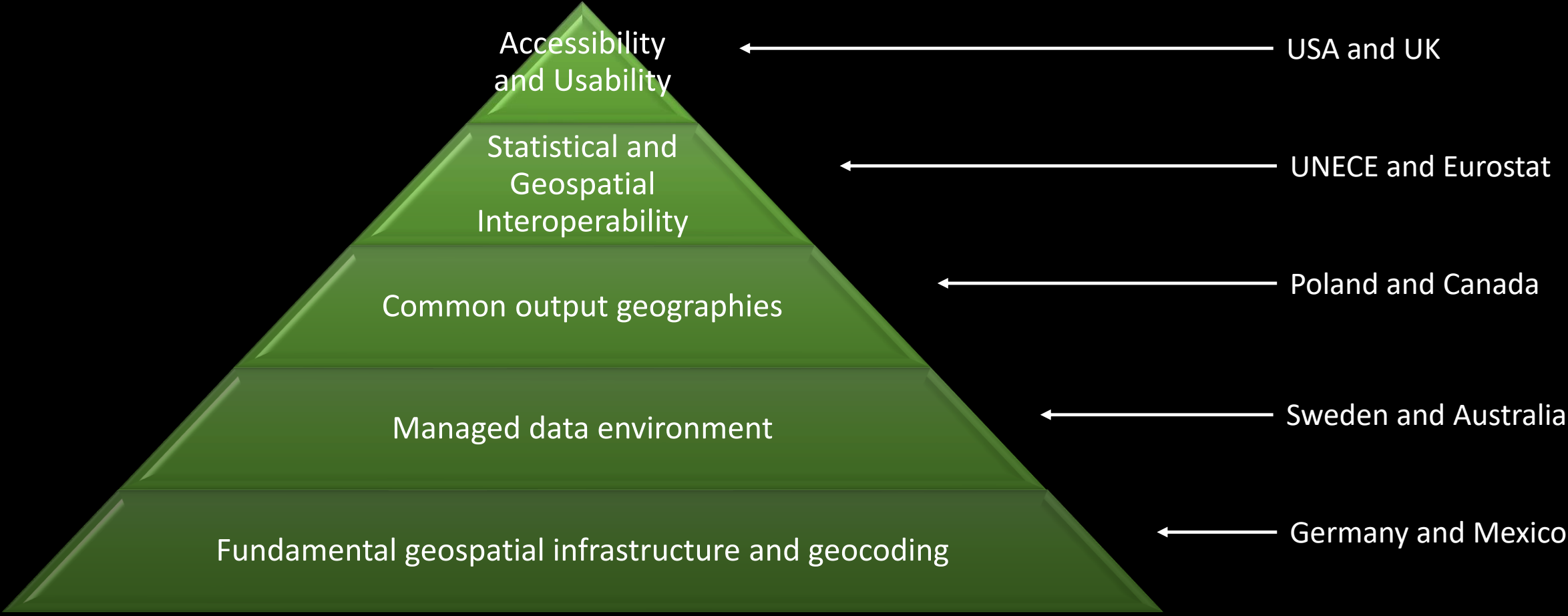
**UN Committee of Experts on  
Global Geospatial Information  
Management (UN-GGIM)**

Adopted the Global Framework – August 2016

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



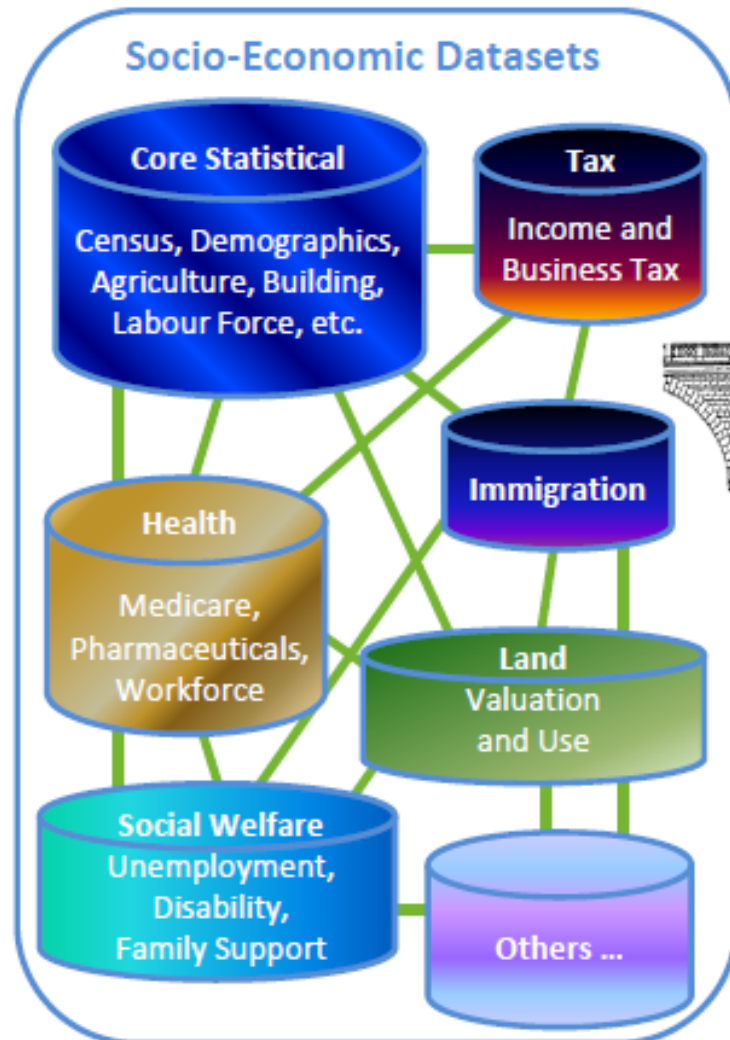
# Global Statistical Geospatial Framework





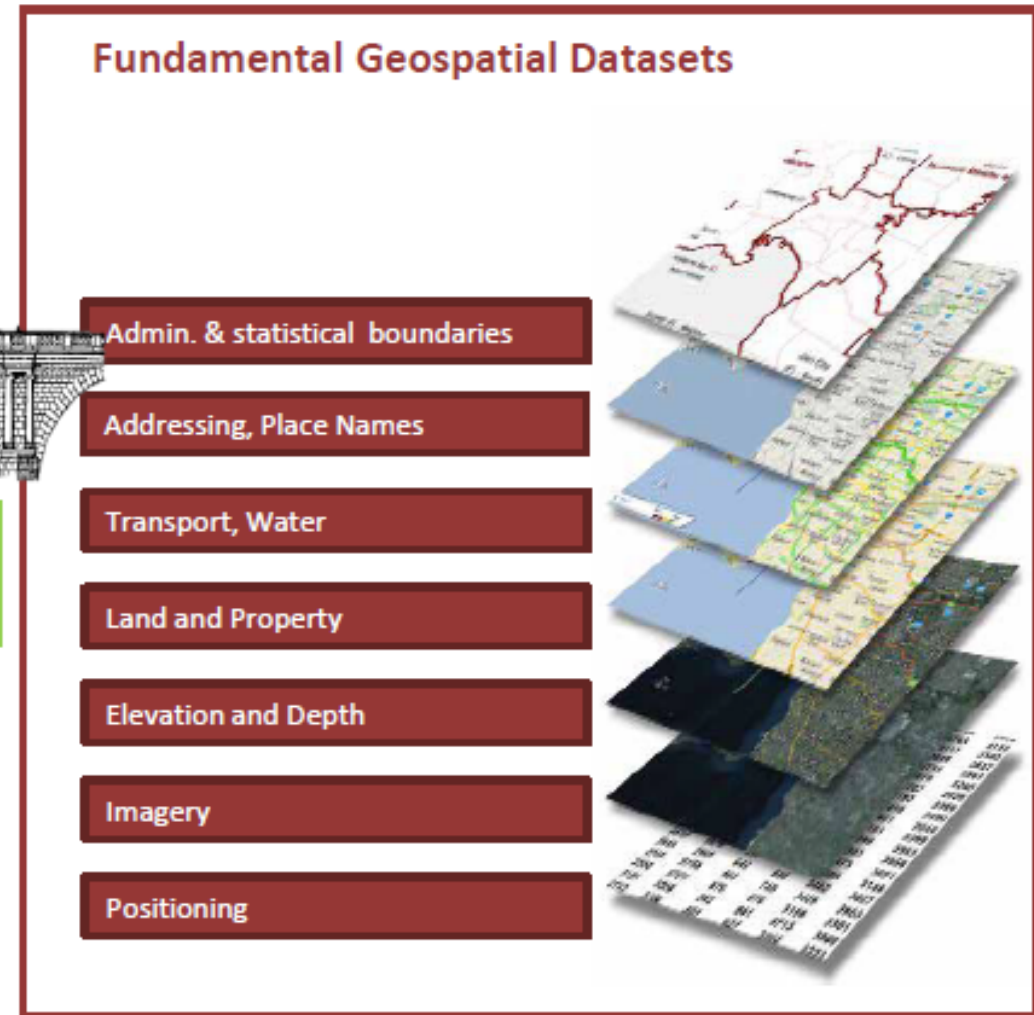
# Bridging the gap.....

## Statistical Community



GSGF  
bridge

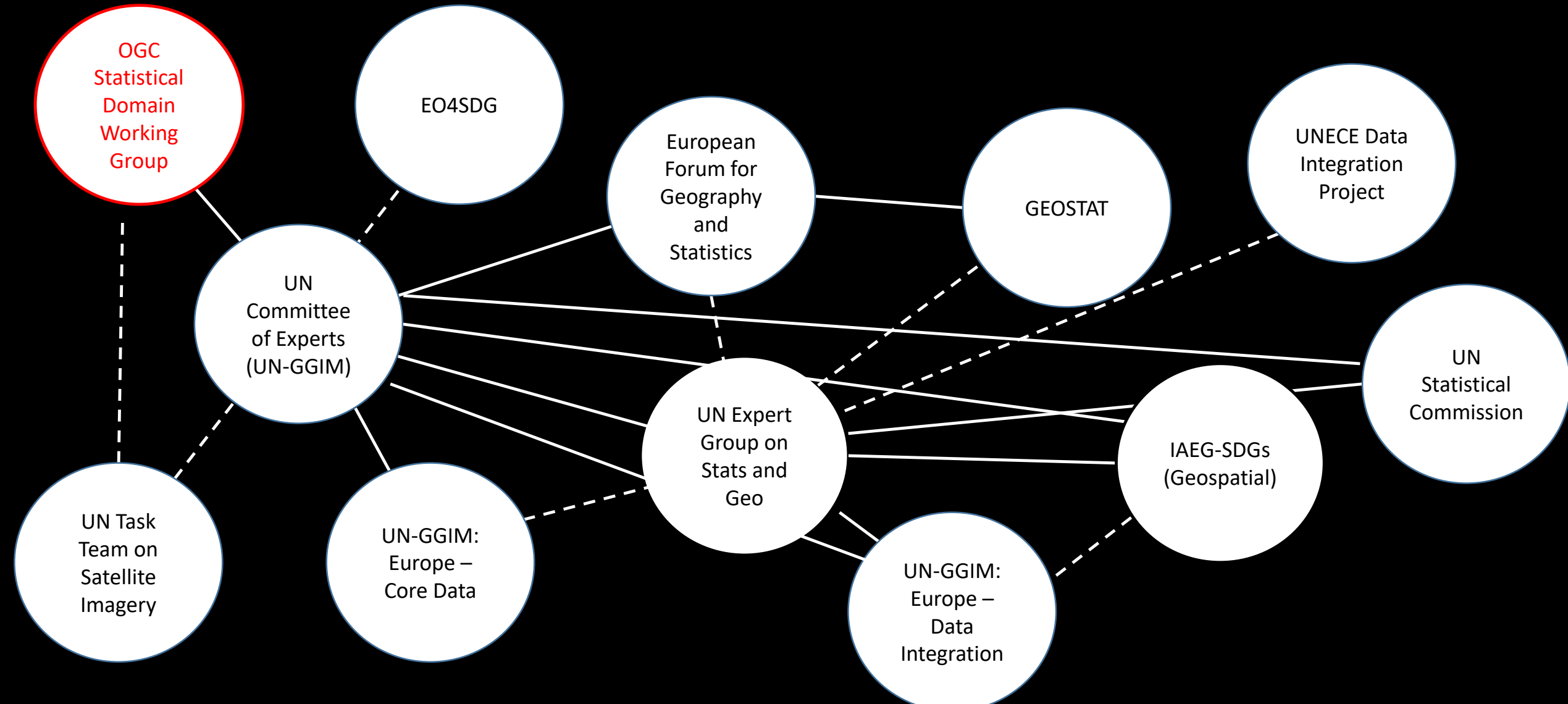
## Spatial Community

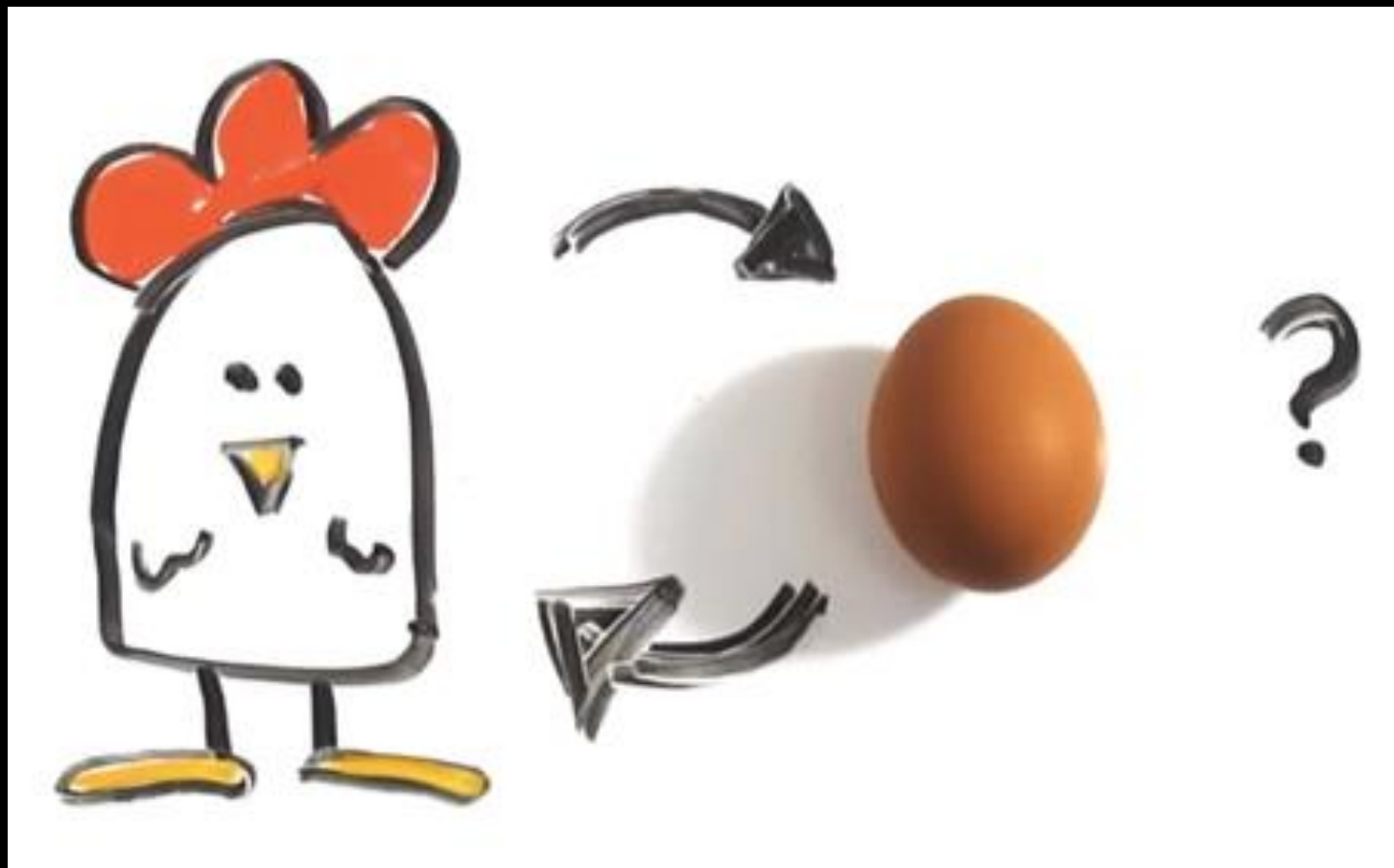


# But a bridge needs good materials



# OGC Statistical Domain Working Group





**We need statistical organisations to support statistical standards but why would statistical organisations pay to join when there's no statistical work going on?**

# OGC Statistical Domain Working Group



*What the Statistics DWG will do:*

- *Join up existing standards work*
- *Identify gaps*
- *Requirements*
- *Use Cases*

*What the Statistics DWG will not do:*

- *create standards*

OGC *ad hoc* Statistical Meetings held in March in Orleans and September in Stuttgart

Reviewed proposed charter and existing standards work – TJS, GeoPackage, Spatial Data on the Web, Discrete Global Grids – also Identified new areas that standards could support – disclosure, data cubes

Lot of work to integrate stats and geo already done by meteorological community – need to learn from them

