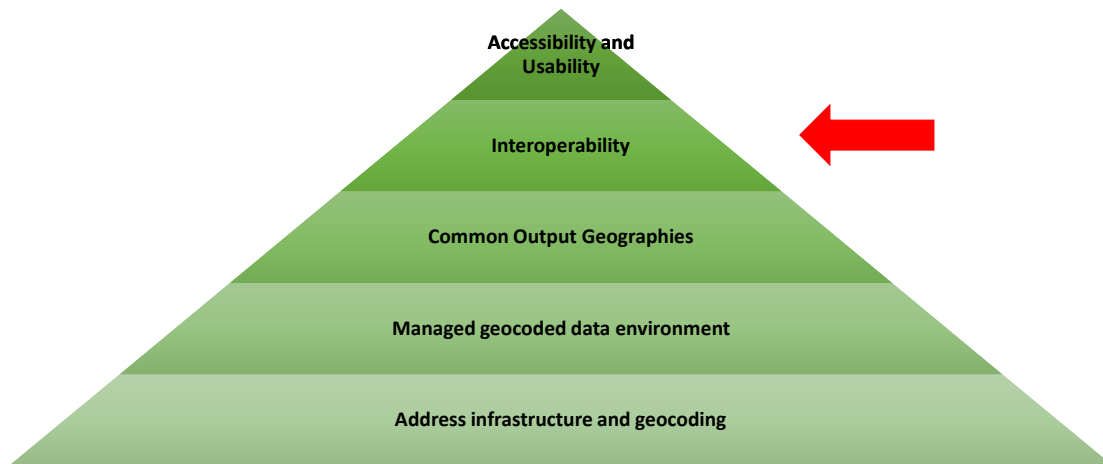


Delivering Statistical and Geospatial Interoperability

UN World Geospatial Information Congress
Deqing, China – 19/11/18

Global Statistical Geospatial Framework

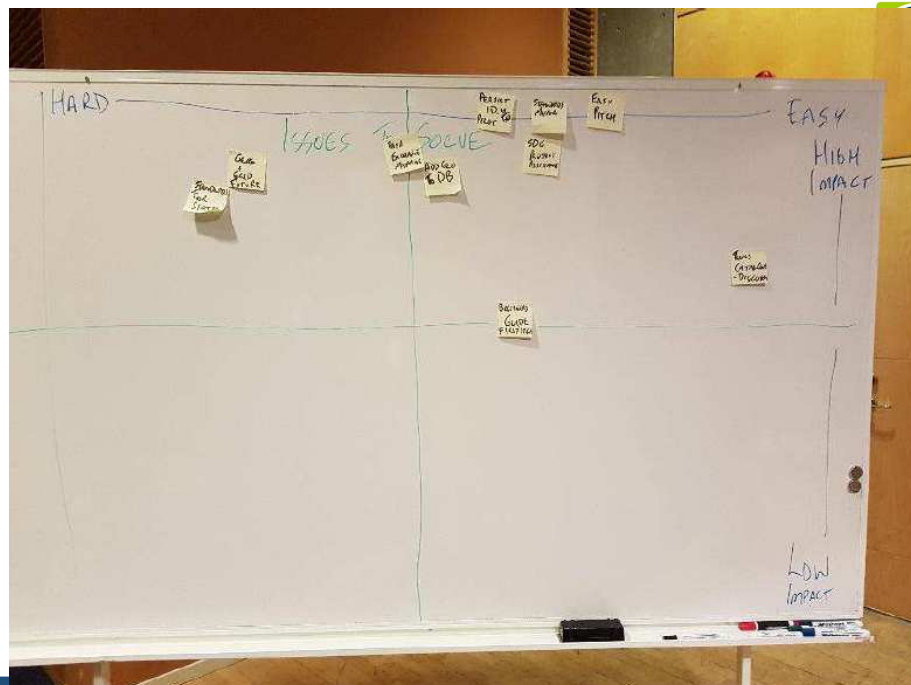


UNECE/UN-GGIM: Europe workshop on standards

Workshop on Integrating Geospatial and Statistical Standards
6-8 November, 2017 in Stockholm, Sweden

Sessions:

1. Introduction to Statistical and Geospatial Standards and Models
2. Examples of integrating Statistical and Geospatial Standards and Models
3. Challenges and solutions for creating Geospatial Statistical Outputs
4. Future Work relevant to Statistical and Geospatial Standards



Proposals for future work

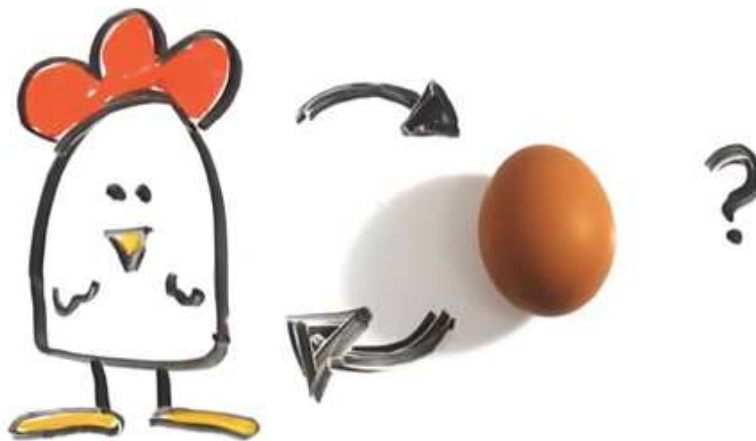
- Communication tools – non technical audience
- Identifiers – statistical and geospatial
- Supporting guidance
- Integration with existing systems
- Semantics
- Data architecture
- Discoverability

Main outcomes

- Standards and interoperability are important, but the biggest issues are institutional, e.g.
 - Partnership mechanisms
 - Communication
 - People
- Two communities working together in cooperation and friendship to solve issues
- Building a geo-statistical community

Open Geospatial Consortium

- open standards for the global geospatial community.
- freely available to improve interoperability and sharing of geospatial data.
- 525+ member organizations come from across government, commercial organizations, NGOs, academic, and research institutes.
- Not many statistical organisations



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

“The Statistical DWG is chartered to identify requirements and use cases of how geospatial and statistical standards can support the integration of geospatial information into the statistical system and for the purposes of broad discovery, analysis and use”

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 Statistical Domain Working Group

- 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
- Identified new areas that standards could support – disclosure, data partitioning, data cubes
- Lot of work to integrate stats and geo already done by meteorological community – need to learn from them
- Currently undergoing vote – should be approved on Thursday

The organisational view - UK

- ONS and Ordnance Survey – a commitment to work closer together
 - Memorandum of Understanding
 - Data Architecture
 - Spatial Analysis – sustainable development and natural capital
- Discrete Global Grid Systems – Interoperability?
- Building a spatially enabled Government Statistics Service – not possible without the tools in place