

How do we make our data more authoritative?

Allan Jamieson, Data Standards and Data Governance

Allan.Jamieson@os.uk

Authoritative data

Some definitions

- “It is on the internet so it must be true”
- “My boss said it was ok”
- “It was the only source that would allow a connection”
- “The IT department delivered it with the system”

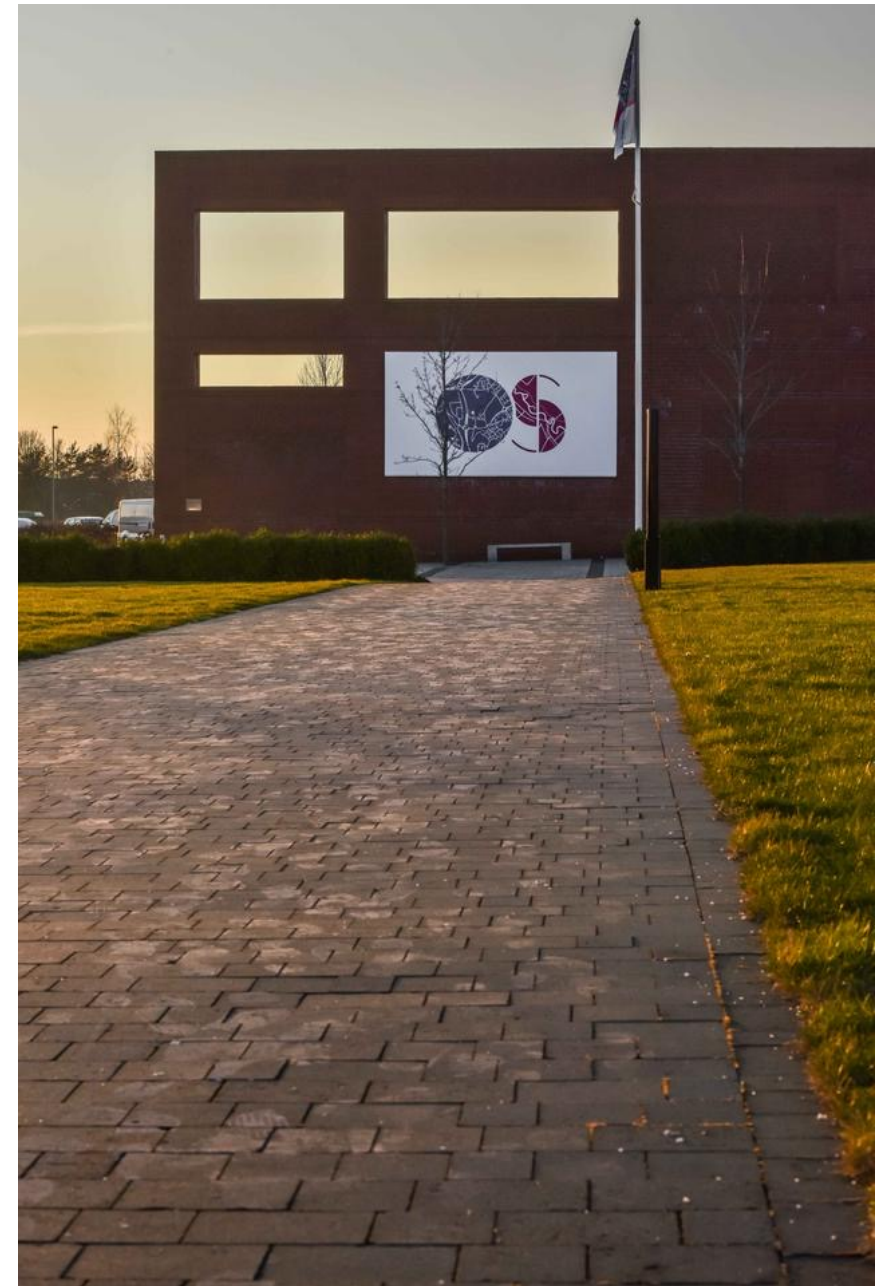
Authoritative Data

“Officially recognised data of appropriate quality provided by trustworthy organisations” *

Authoritative Source

“A source of data or information that is recognised by members of a community of interest to be valid or trusted because its provenance is considered highly reliable or accurate.” *

* Geospatial Glossary. Geospatial Commission [Geospatial Glossary - GOV.UK \(www.gov.uk\)](http://www.gov.uk)



How do we make our data authoritative?

Find

Trust

Use



Finding and evaluating authoritative geospatial data should be a relatively quick and easy process

Can I find the data I want easily?

- Authoritative data should always be published with metadata
- Metadata examples
 - Publisher
 - Coverage
 - Accuracy
 - Date of capture
- Is the data fit for purpose



Trust in the data source you choose to deliver your requirements should be high

Data Supplier Organisation

- Is their brand recognised?
- Are they leaders in spatial data?

Where has the data come from?

- Data provenance
- Data Lineage – what processes have been run on the data?

Is the data being maintained?

- Are there data capture and maintenance policies in place?
- Continuity of supply?

Data Quality?

- Accuracy / completeness / currency
- Is there a data quality management system in place?



Use of the data should be seamless throughout your data flowline from access, integration and analysis

Will it be easy to use?

- Published technical specifications
- Error reporting / feedback process

Can I access the data securely?

- Provision of a secure flexible method of data access
- New OS Select and Build

Does it conform to international standards?

- Data standards in the areas of coordinate reference systems, data content and data access
- Conformance to the FAIR data principles

Data Governance

- Policy and Principles, Data Ownership
- Ethical use of the data



Thank you

Allan Jamieson, Data Standards and Governance

Allan.Jamieson@os.uk