

An Overview of Exposure Metadata

This section will provide a brief overview of the purpose, content, and format of exposure metadata.















Major "take-aways"

- What is the purpose of the metadata?
- How is the metadata content derived?
- What format is the metadata stored in?

















What is the...?

- Spatial resolution
- Source of the data
- •Replacement cost
- Data vintage
- •And why is this point in the river?















A language for the science of exposure development

- •<u>Illuminate the process-</u> Develop robust methods of representing exposure assumptions with respect to vintage, progeny, resolution, and limitations-particularly when fusing multiple datasets collected over a considerable period of time.
- •<u>Acknowledge the uncertainty-</u> Establish methods of characterizing the uncertainty of exposure datasets through the incorporation of modeling techniques. It is particularly important that end users understand uncertainties in key factors such as location, the taxonomy, and replacement cost before data use.

















Replacement Cost (figure 3.8) Documentation Are the replacement Site-specific Assessment costs estimated or Describe the method of site-specific assessment are they site-specific and metadata assessments? Estimate Was the replacement cost estimated based on square footage and occupancy? No Yes Source Data Describe the sources and Describe the sources and Source Data methods of estimation Description methods of estimation Description Are there any e.g. Next additional Specify Geography Administrative Unit Yes regions to specify? No Next













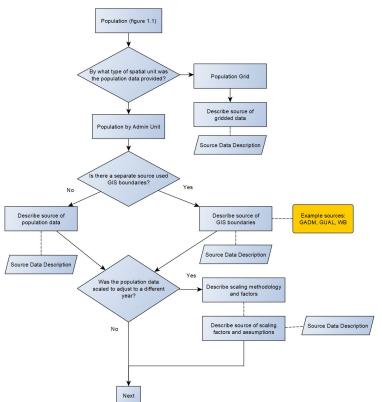




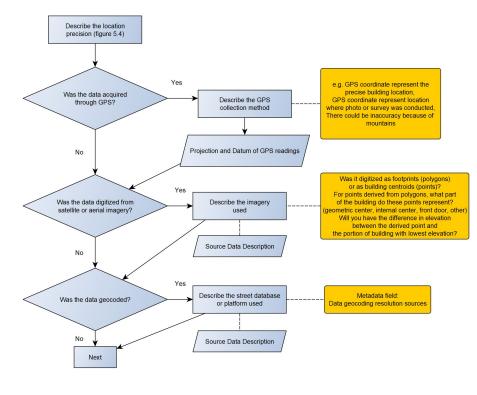


Example Flowcharts for Different Exposure Levels

Exposure Level 1 – Population Flowchart



Exposure Level 5 – Location Precision Flowchart















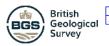
















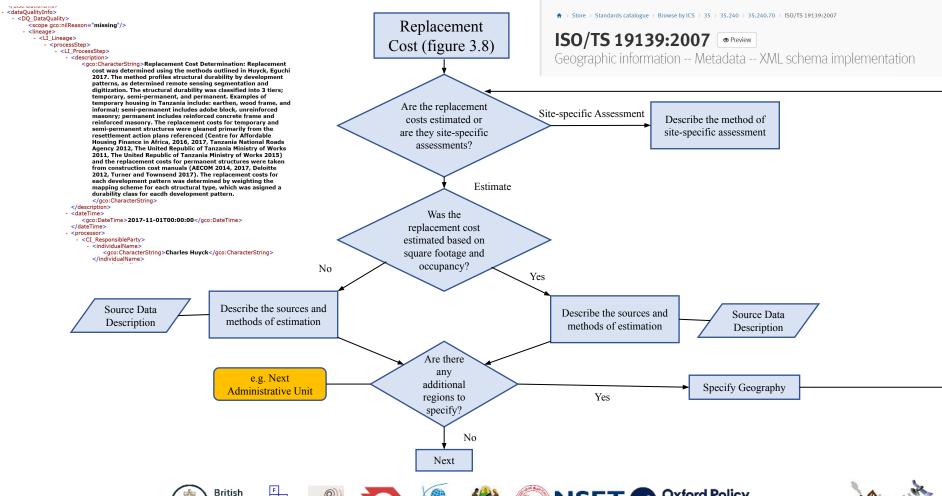














BGS









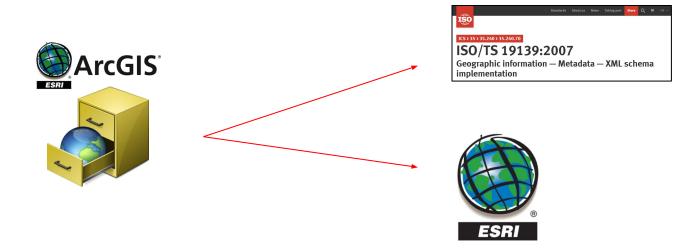








Creating the Metadata Documents



Use ArcCatalog to develop the metadata

Can export as both ISO-19139 and ESRI Native Metadata Format, to reach the widest audience













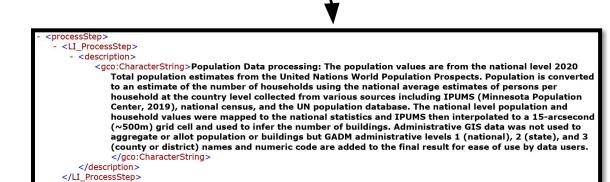


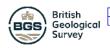


What useful things can you find in the metadata?

- Mapping Scheme and Development Pattern definitions
- •Detailed country-specific source data information and references
- Detailed country-specific processing steps
- Replacement Cost information
- Data field descriptions
- Limitations
- Contact information















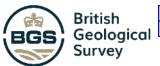
</processStep>







Thank You.

















Oxford Policy Management

















https://meteor-project.org