Metadata Working Group

All contributors welcome –

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Attendance:

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Overall Goal:

to define a coverage data model and a GEBCO metadata profile that fits in with what already exists in existing data centers, uses vocabularies that matches with metadata existing in data formats already and ISO and IHO - but to keep it as simple as possible.

Deliverables

Development of an internationally recognised minimum metadata standard for;

  - discovery and for

  - product metadata. (what processes are required?)

Tasks

- Examine existing ISO metadata profiles – especially the marine profiles.
- Investigate the use of a data model / content model (containing definition of the grid and associated metadata). – rules for data content
- Implementation rules for encoding the data model in an encoding format. E.g. should be independent of data encodings.
- Identify and document discovery metadata items. Identify the mappings needed.
- Need to review existing vocabularies – (implemented by BODC, …) with a view to producing a harmonised set of vocabularies for GEBCO use.
- Content model should include a pointer to source metadata..
- including a pointer to metadata resources within data centres. (As per SID or CDI ID dataset).
- Investigate working with (ODIP) / Seadatanet metadata experts.
- Provide feedback to IHO technical working groups.
- Discuss the issue of feature concept definitions with SCUFN.
- What outreach actions are required?
- Investigate implementation methods

S-102 may help

INSPIRE has a new elevation data model standard that should be investigated

Pauline made Source Identifier Grid (SID grid) - on the GEBCO site for more information

Some discussion on data formats (ie. NetCDF, BAG, ASCII GRID, GeoTIFF, etc.)

Overall common theme is to make the meta data required to be as simple as possible

There is a difference between 'transfer format' (i.e. NetCDF + CF) vs end-user format (ie. GeoTIFF) (this is a problem that SeaDataNet faces today

Some General Statements about our efforts and goals

Discovery Metadata (need to have some level of standardization for this)

Product Side - some level of standard for this as well but have it aligned with existing standards (i.e. ISO)

GEBCO Data Model

Process Services - curation of products process (Lineage as defined by ISO)

Define some vocabulary for the metadata model

Definition of a metadata modeling mapping process (how do we map from one field to another)