

BEDES METADATA

A Proposal

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What Is Metadata?

- **“Data About Data”**
- Descriptive (as opposed to structural)
- Metadata common in:
 - Photography
 - Video
 - Libraries
 - Webpages
 - Copyrights



Why Metadata

- **Accuracy:**
 - Track how/when/where a data point was collected
 - Track whether calculated, verified
- **Inter-operability**
 - Track whether a value was required by exporter
 - Allow importing tool to require a field
 - Track which system calculated a value
- **Flexibility**
 - Allow variation in units

Incorporating Metadata: A Proposal

- In BEDES

- As extra sheet
- Metadata items could be applied to any field/value
- Flat structure: Any metadata entry can apply to any value; not all combinations make sense

- In XML Implementations

- Metadata is hard to envision or store in a table structure (think of it as third dimension)
- Individual metadata entries are attributes of fields
- Only are listed if they exist.
- Easier to implement in XML

Metadata Examples

Term	Type/Values
When Collected?	Date-Time
Required?	Yes/No
Calculated Value?	Yes/No
Estimated Value?	Yes/No
Verified?	Yes/No
Verifier	String
How Collected?	Constrained List
Source	Constrained List with free entry "other"
Units	Constrained List (IP, SI)
Add to Energy Use?	Yes/No [Applies only to meter data]
<i>Other?</i>	