

Model sharing (1): Metadata

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Some key uses of metadata

Improving search strategies

- Taxonomic search
- Based on ontology terms

Facilitate merging and exchange

- Expand models with related
- Format exchange

Provide provenance or structural information

- Authors, submitters
- Versions/revision and ancestry

Examples of things to consider

Improving Metadata for Models

Supporting evidence

- Theoretical only
- Theoretical with experimental validation

Curation level

- Non-curated
- Uncuratable
- MIRIAM compliant

Creator (BioModels Database)

- ... bundles creator, submitter, curator

Examples of things to consider

Improving Metadata for Models

SBO

Supporting evidence

MaMO

- Theoretical only
- Theoretical with experimental validation **ECO**

Curation level

Flags

- Non-curated
- Uncuratable
- MIRIAM compliant

PROV (extend)

Creator (BioModels Database)

Bqmodel qualifiers (extend)

- ... bundles creator, submitter, curator

ORCID

Questions to ask

- Is the information we provide sufficient?
- Could we capture more information improve our model/display?
- Would there be tangible benefit?
- Where should this information be stored?
- How should this information be stored?

This session ...

- **Ron Henkel** (Rostock)

Format-independent approach to storing model -related information
Linking models through shared annotation

- **Martin Scharm** (Rostock)

Version control and provenance data / model history

- **Daniel Arend** (Gatersleben)

Version history, metadata management and model sharing

- **Dagmar Waltemath** (Rostock) * with discussion *

Common annotation standard for COMBINE