

Conflation & Matching

Break out session

Why we need conflation?

- Matching legacy data with new data?
- Solving cross border issues
- Overlaying thematic data layer on updated basemap
- Difference scale maps

Remarks on ontology

- Matching and conflation is closely related to ontology
- Are we talking about 1 ontology or multiple ontologies?
 - Mapping between ontologies needed
 - Data type / schema or features
 - Proposal to focus on a generic methodology to establish ontologies

Complex issues

1. Semantics: loosing, matching and establishing
2. Complexity of features (i.e. roundabouts)
3. Textual matching (other domain)
4. Historical matching (same object moved over time, semantic differences by reclassification) (original base data)
5. Change detection (VGI)

Remarks

- Algorithms have to be robust and implementable in different solutions
- Complex structure detection can help (ontology)
- Speed is important, but technological improvements will help and scalability