# 2015-02-23 breakout: Reconciliation services - Things to things

**UNEDITED NOTES** 

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## Things to Things

Dynamic

- provenance
- annotations as nanopub

Degrees of sameness

Outside our domain?

· no need to be perfect

Event stream

Use case - authorities

Deleted resources - tombstones

Entities joining/splitting

Alternate identities

Services/tools

- certainty and risk aversion
- more data = better, = more uses ??

#### (new group)

Sameness?

Reconcile at work level

Context - what we use the data for!

Reconcile most discriminant attributes

Similarity pocky ?? for sameness

- certainty?
- risk aversion
- discovery vs. inference/data management
- schema:samas avoiding the alt itoces ??

Indexing & uncertainty

- perfect as enemy of good enough
- sameAs external link as vote for URI
- · distinctness different for different types of entity

special cases are special: Bible, Mark Twain

#### (new group)

Services like ref. cleaning

- identify auth. we trust
  - ∘ e.g., VIAF
- map between authorities
  - o devil in details for mapping
  - mechanism to address errors in auth!
  - o disambiguate

"Authority" - what do we really mean?

• Wikipedia/media wiki as authority

- Open URI resolver? endorsement of approach by adopters divide and conquer easy bits
- start with under-served domains
- cheaper going forward
- market will decide on URIs to use
  vocab/facet reconciliation
- places & dates, concepts with multilingual

### (new group)

Ontology alignment

Global auth & global contexts

Dynamic entities: join/split

Pseudonym – Europe vs. US

Local assertion = local URI

Pre-existing identifiers

Link all the things

Subjects broader issue than people

- sameness degree?
- certainty?

Tools to produce the data?

- languages and character sets
- different to strings to things
- service to publish alignments
- provenance important for trust