

What is StYLID?

• Social Software for sharing Structured Data

• Social Web



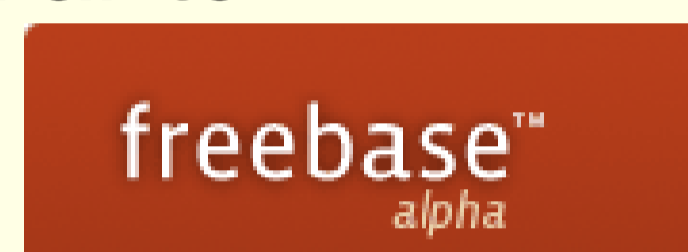
• Easy platform for ordinary users

• Share a Wide Variety of Structured Data

• Freely define **Your** own Concepts

• Share **Any "Thing"**!

• Similar to



Concept definition

- Name
- Description
- List of Attributes
- Suggest attribute value range

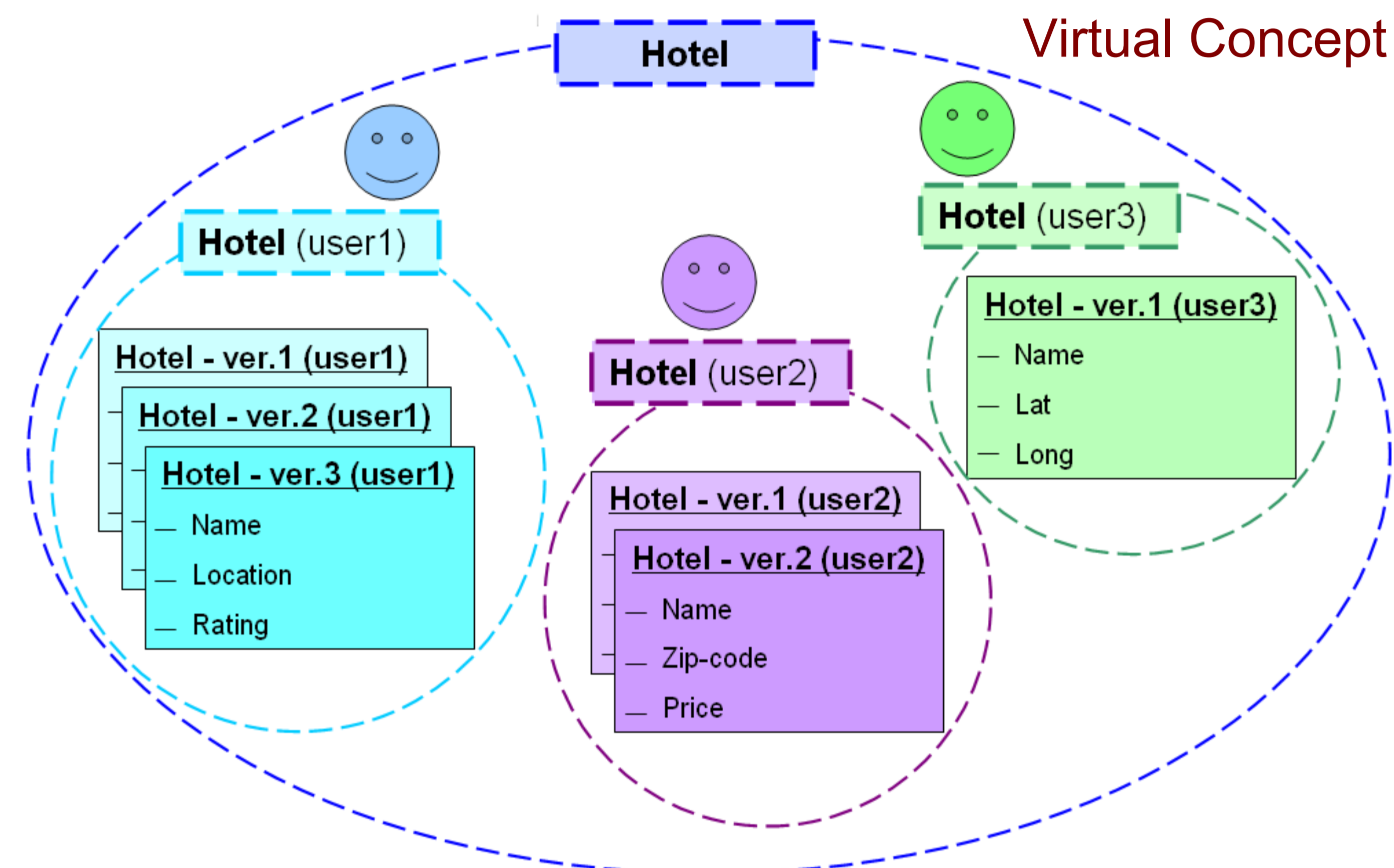


Fig. 2: Consolidating multiple concept definitions.



Fig. 3: Concept Cloud.

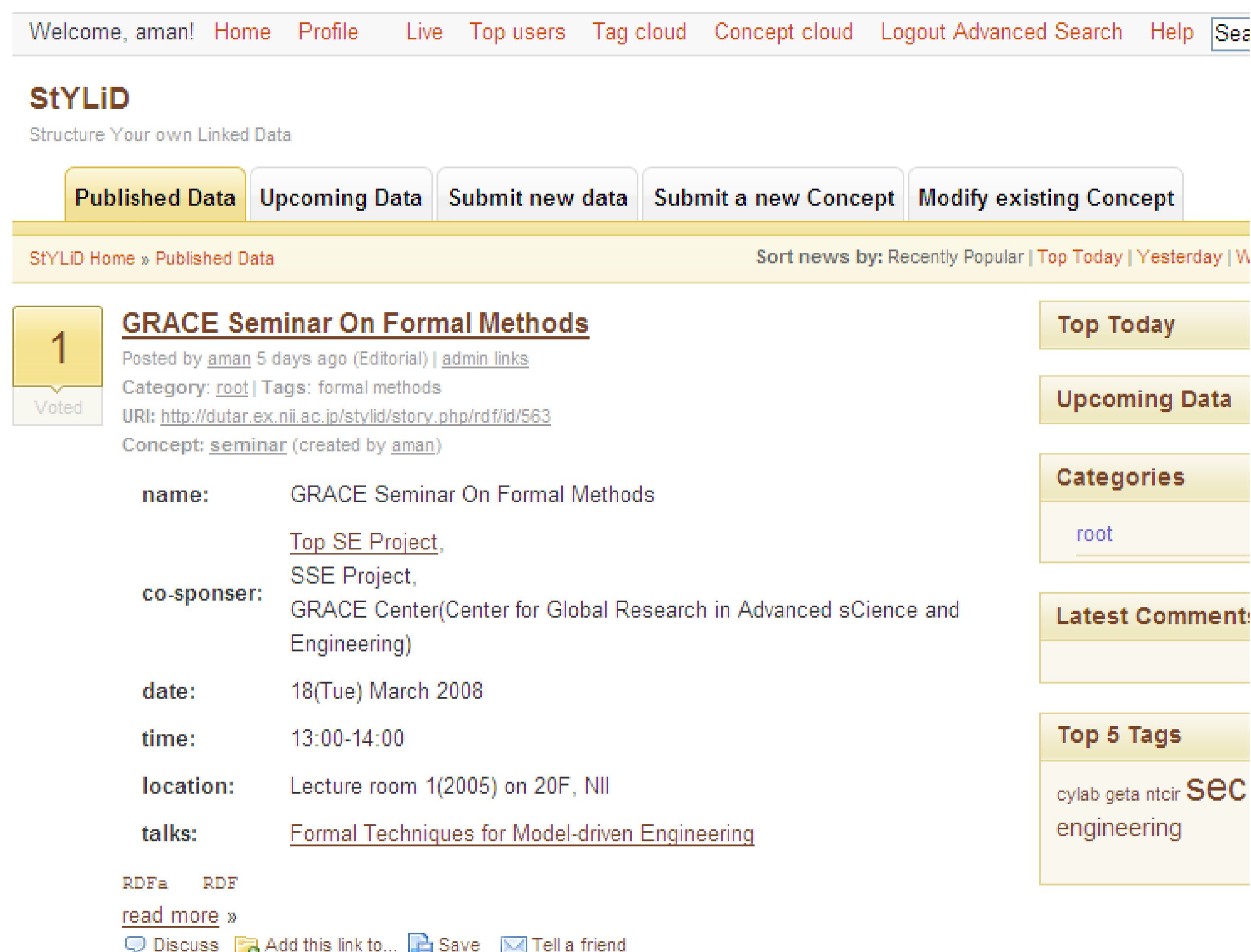


Fig. 1: StYLID main interface.

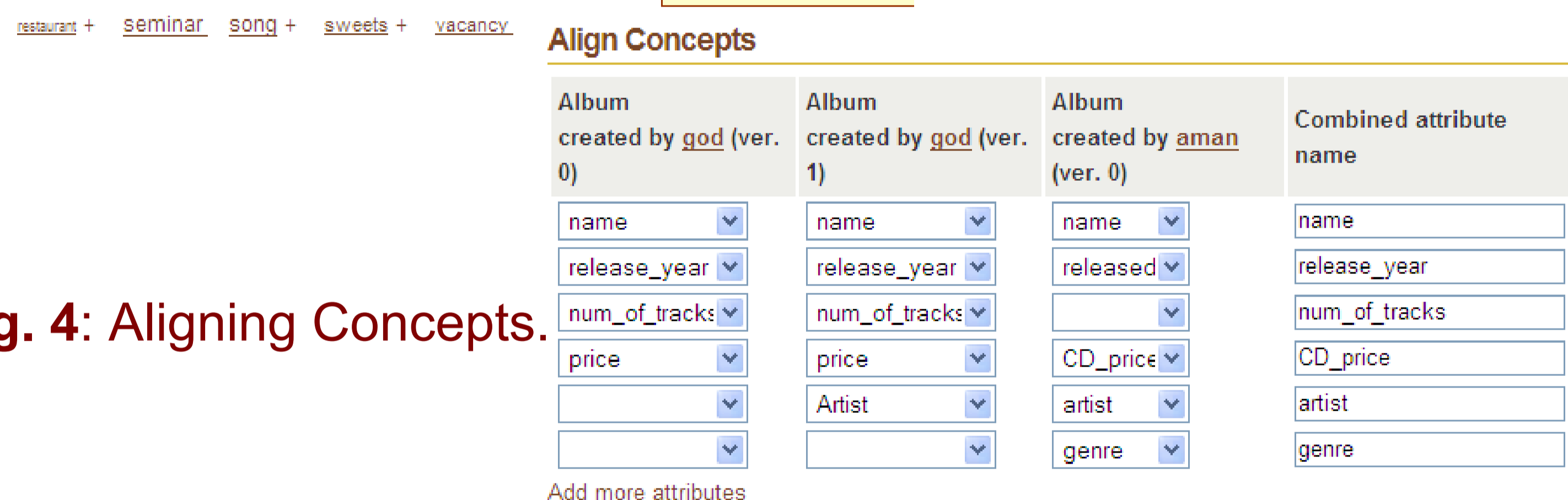


Fig. 4: Aligning Concepts.

Consolidating Multiple Concept Definitions

- Multiple versions of the same concept
- Group Similar Concepts (Clusters suggested)
- Create a single Virtual Consolidated Concept

Alignment of Concept Attributes

- Automatically suggest attribute alignments
- Human intelligence + Machine intelligence

A Unified View

- Unified concept with consolidated attributes
- Uniform table of data from heterogeneous sources
- Query is unfolded to individual concepts

Concept Consolidation

- Based on **Global-as-View (GaV)** for Data Integration

Emergent Semantics

• Popular Concepts (with more instances) emerge Bigger

- Converge to stable definitions
- Consolidated concept can be expanded into **Sub-Clouds**

• **Ontology** as a by-product of **Information sharing**

Evolving and Flexible Concept Definitions

- Incremental and Evolving schema definitions
- Modify and Reuse Concepts defined by others
- Import concept attributes

- No strict constraints for Data entry
- Enter Resource URI or literal, single or multiple values
- Suggestive value range (not restrictive)

Linked Data

- Link data resources using URIs (for attribute values)
 - Both Internal and External resources



Browse, Search and Exploit Machine Readable Data

- Navigate through Linked Data
- Browse the clouds of concepts
- Structured Search
- SPARQL query
- Exploit the machine readable data (RDF and RDFa)

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Register and Try Online!