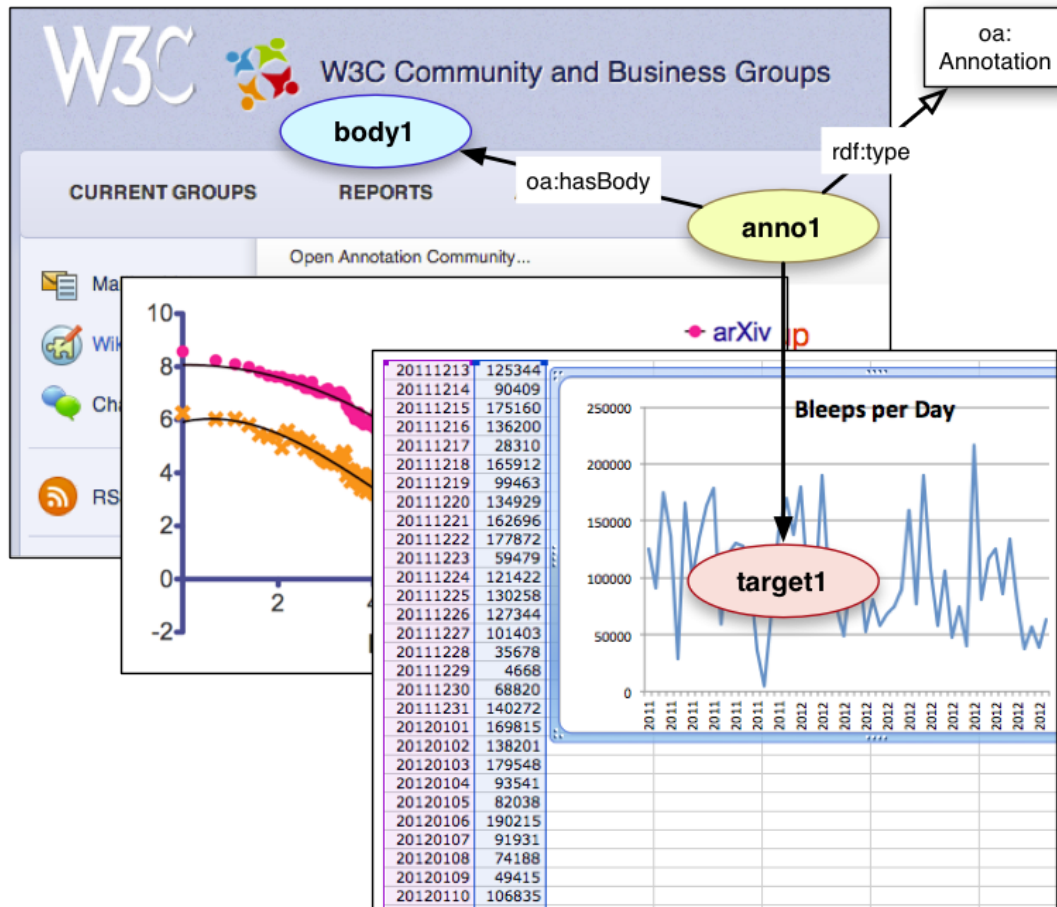# W3C Open Annotation

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W3C Open Annotation Community Group

- Established after reconciliation of Open Annotation Collaboration and Annotation Ontology models
- 67 participants from around the world: 7th of 119 groups Many universities, also commercial and not-for-profit

Mission:

Interoperability between Annotation systems and platforms, by

…following the Architecture of the Web

…reusing existing web standards

…providing a single, coherent model to implement

…without requiring adoption of specific platforms

…while maintaining low implementation costs
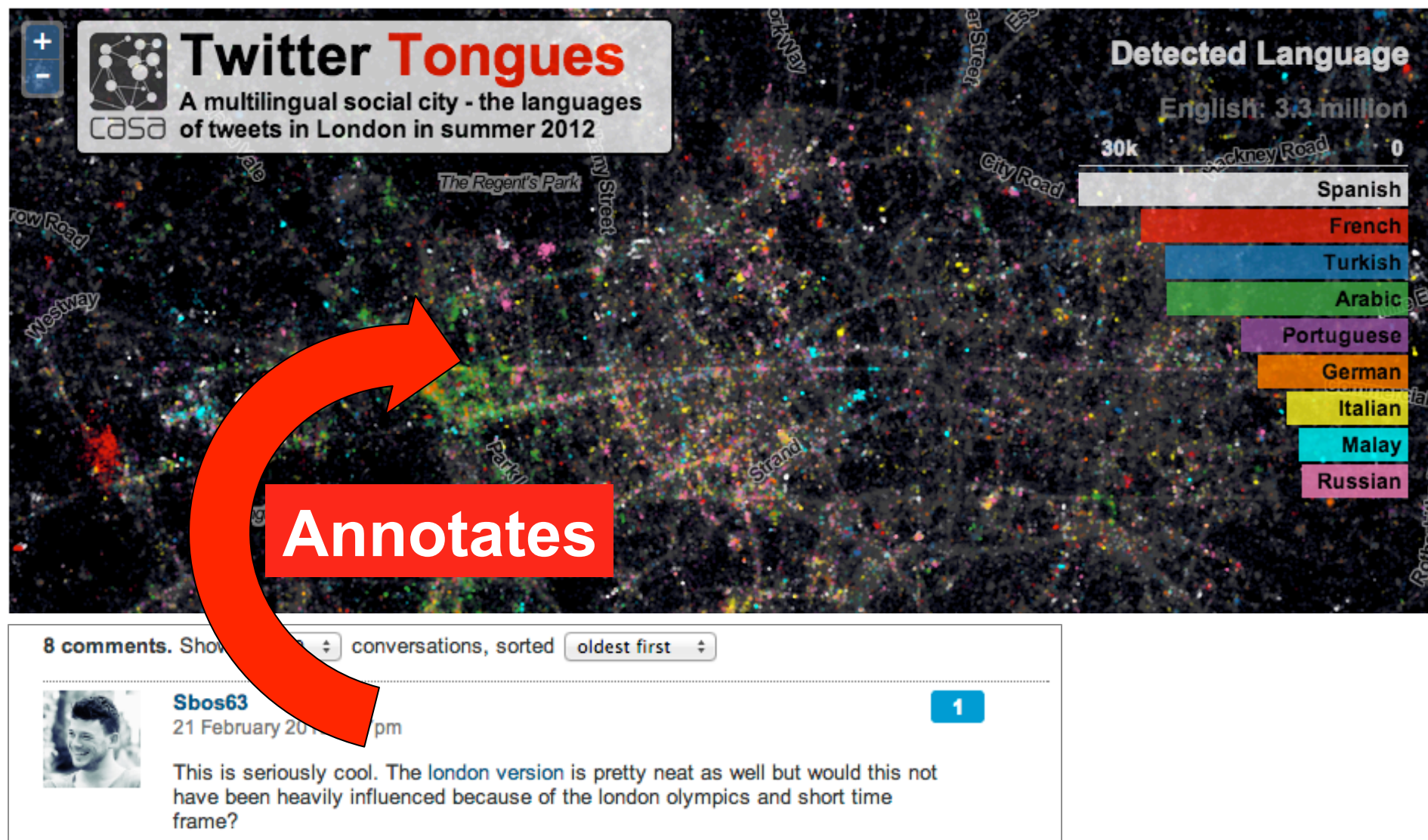
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What is Annotation?

" An Annotation is considered to be a set of connected resources, typically including a body and target, where the body is related to the target. "

Users Annotate To:

…Provide an Aide-Memoire   Highlighting, Bookmarking

…Share and Inform   Commenting, Describing

…Improve Discovery   Tagging, Linking

…Organize Resources   Classifying, Identifying

…Interact with Others   Questioning, Replying

…Create as well as Consume   Editing, Moderating
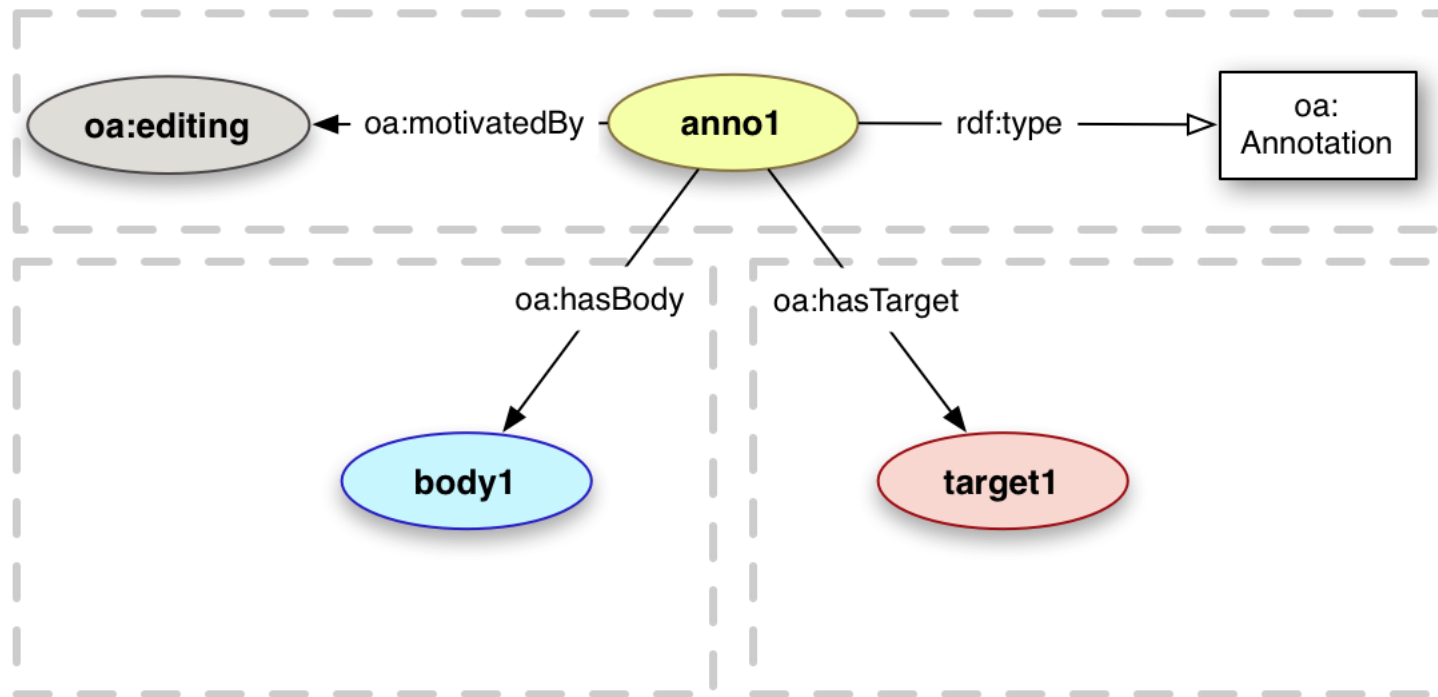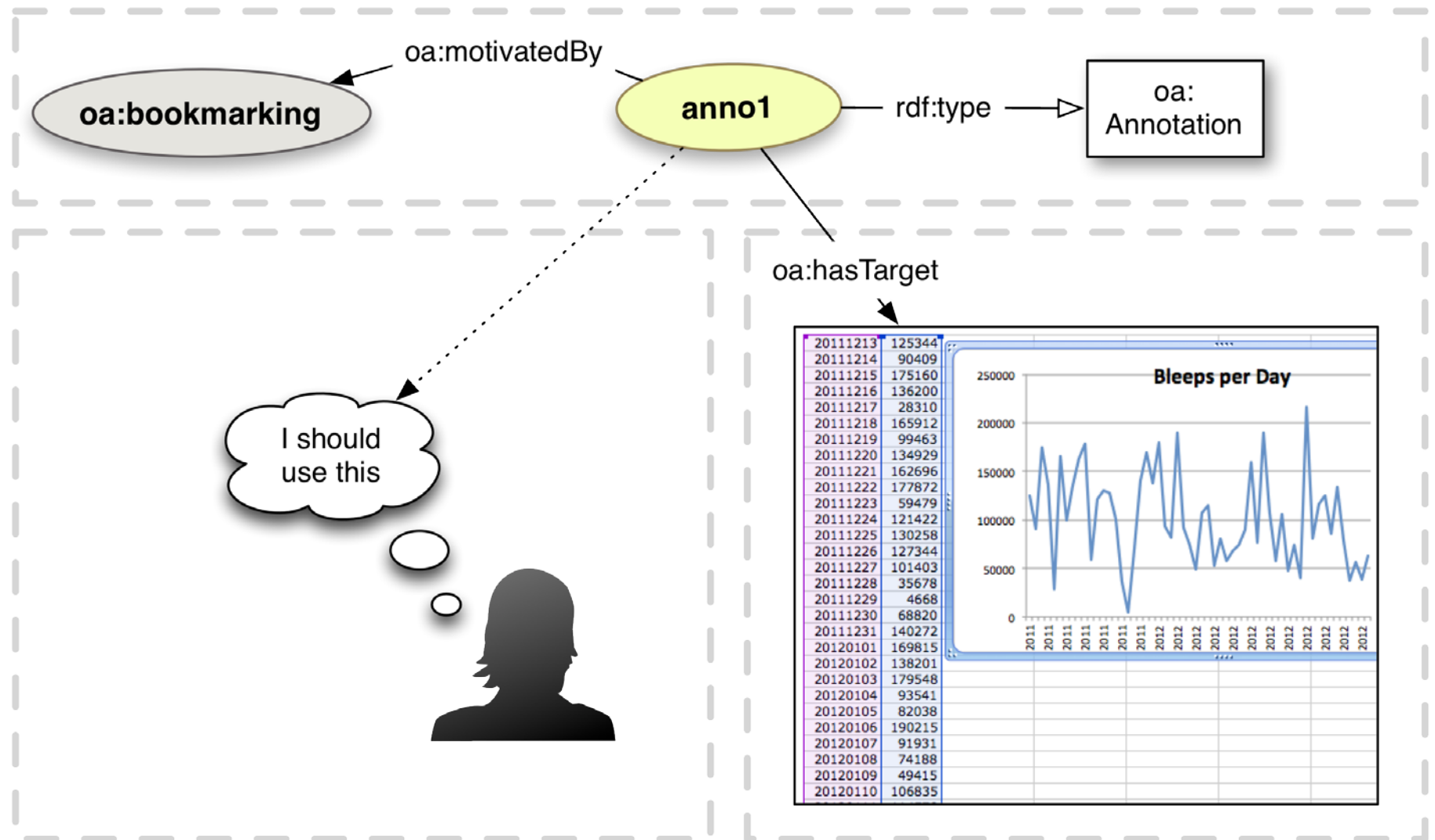
Annotations

Annotations?

Where can I find it? Link
• Download the data behind this map

Simon Rogers
guardian.co.uk, Thursday 21 February 2013 07.56 EST
Jump to comm

Annotates?

Twitter Tongues
A multilingual social city - the language of tweets in London in summer 2…

Detected Language
English: 3.3 million

30k — 0
Spanish
French
Turkish
Arabic
Portuguese
German
Italian
Malay
Russian

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http://www.w3.org/community/openannotation/

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Basic Open Annotation Data Model

http://www.openannotation.org/spec/core/

Use Case: Bookmarking

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Use Case: Commenting
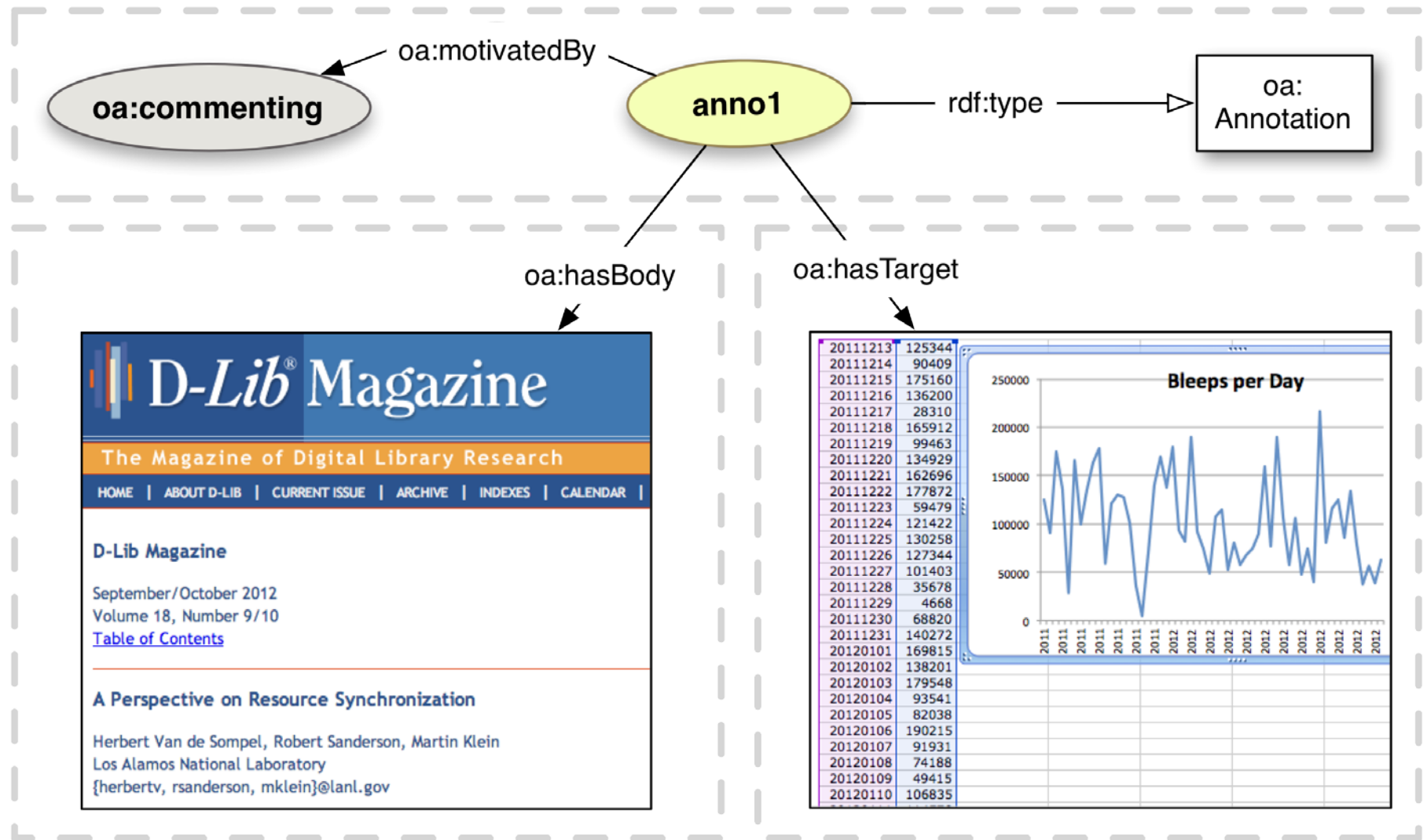
Use Case: Commenting

Use Case: Tagging

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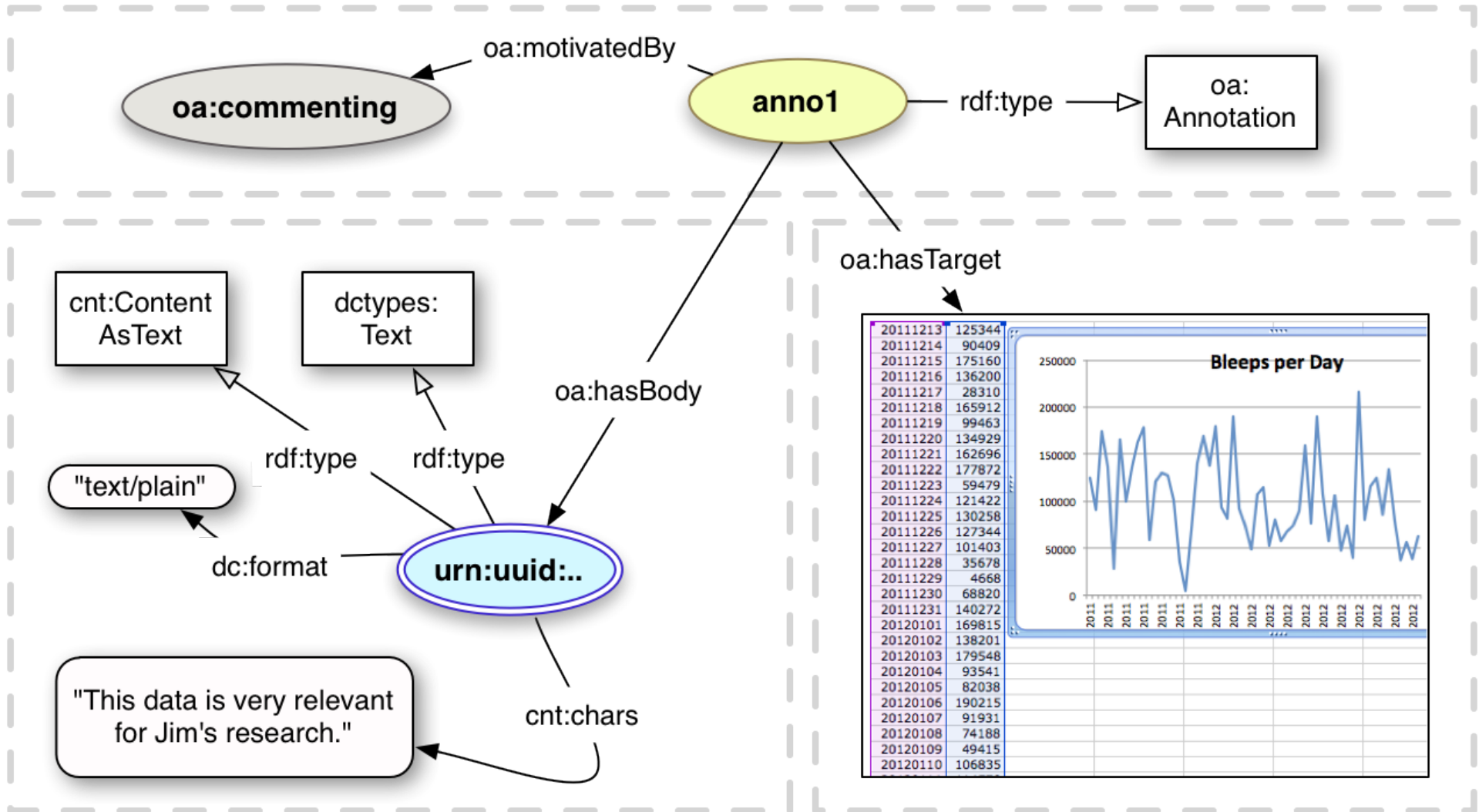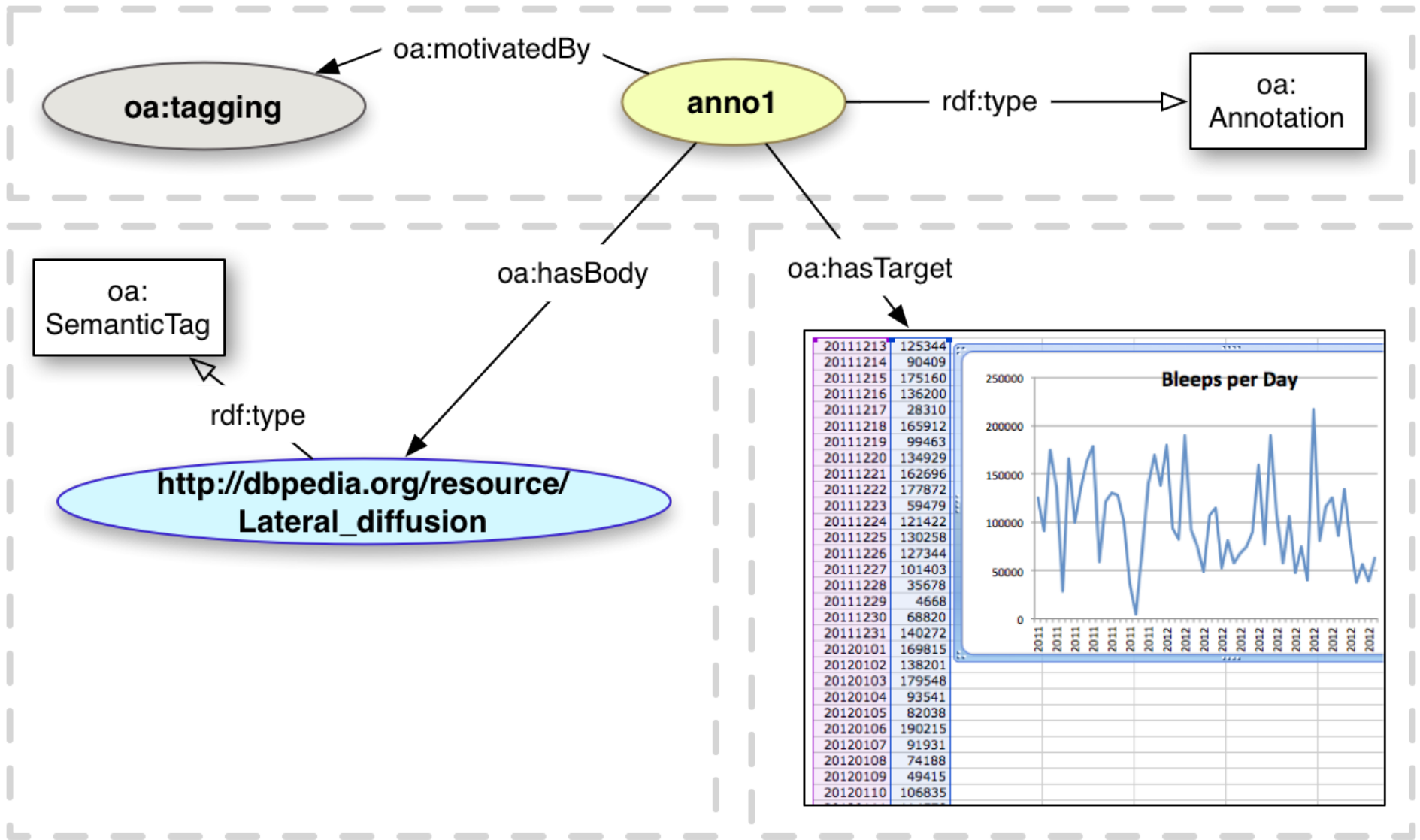
Further Specification of Resources

Specific Body and Specific Target resources <u>identify</u> the region of interest, and/or the state of the resource.

Need to be able to <u>describe</u> the state of the resource, the segment of interest, and potentially styling hints for how to render it.

We introduce:

State	Describes how to retrieve representation
Selector	Describes how to select segment
Style	Describes how to render/process segment
Scope	Describes context of the resource

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States and Selectors

States:

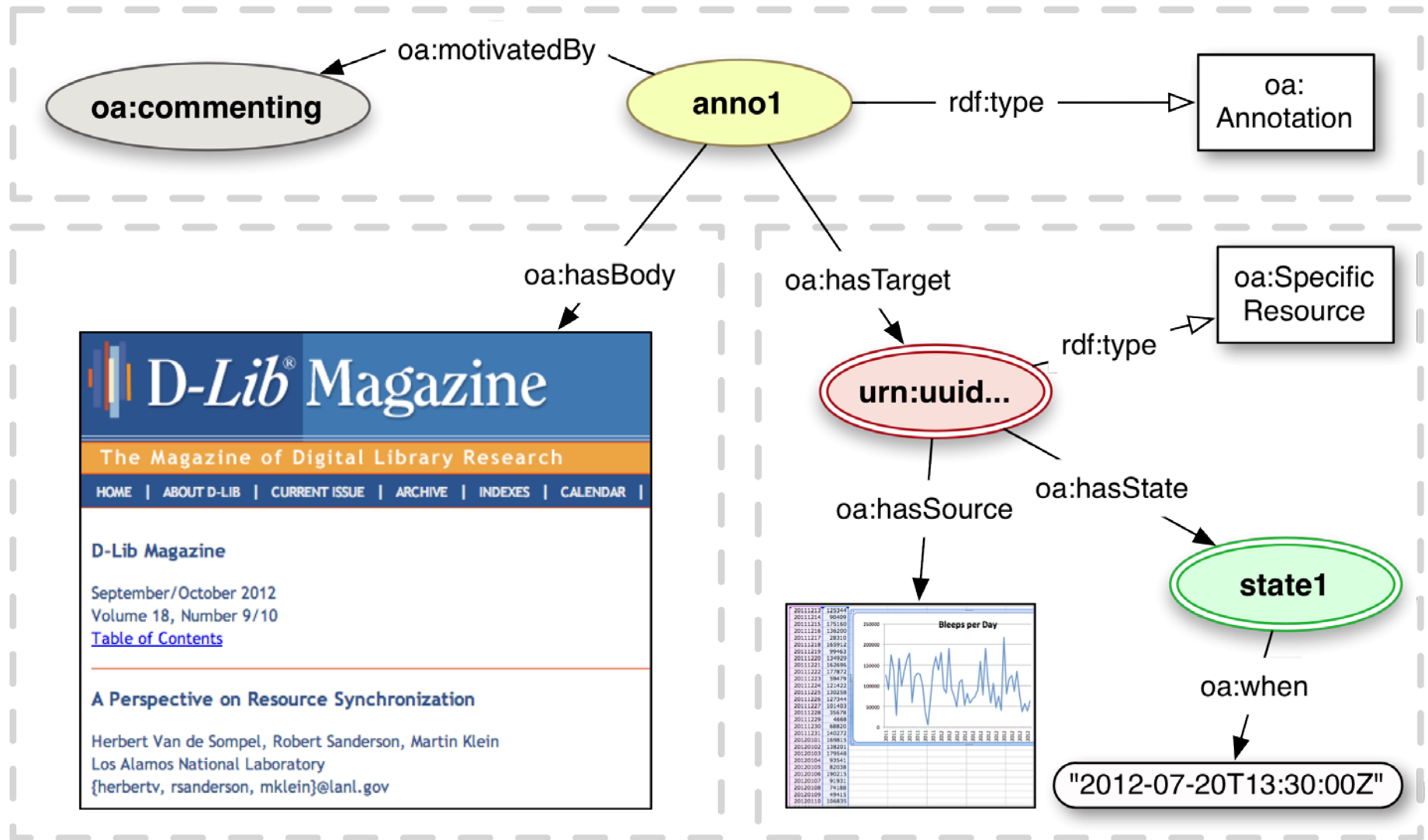|	
TimeState	Resource State at given Time
HttpRequestState	Headers used to request representation

Selectors:

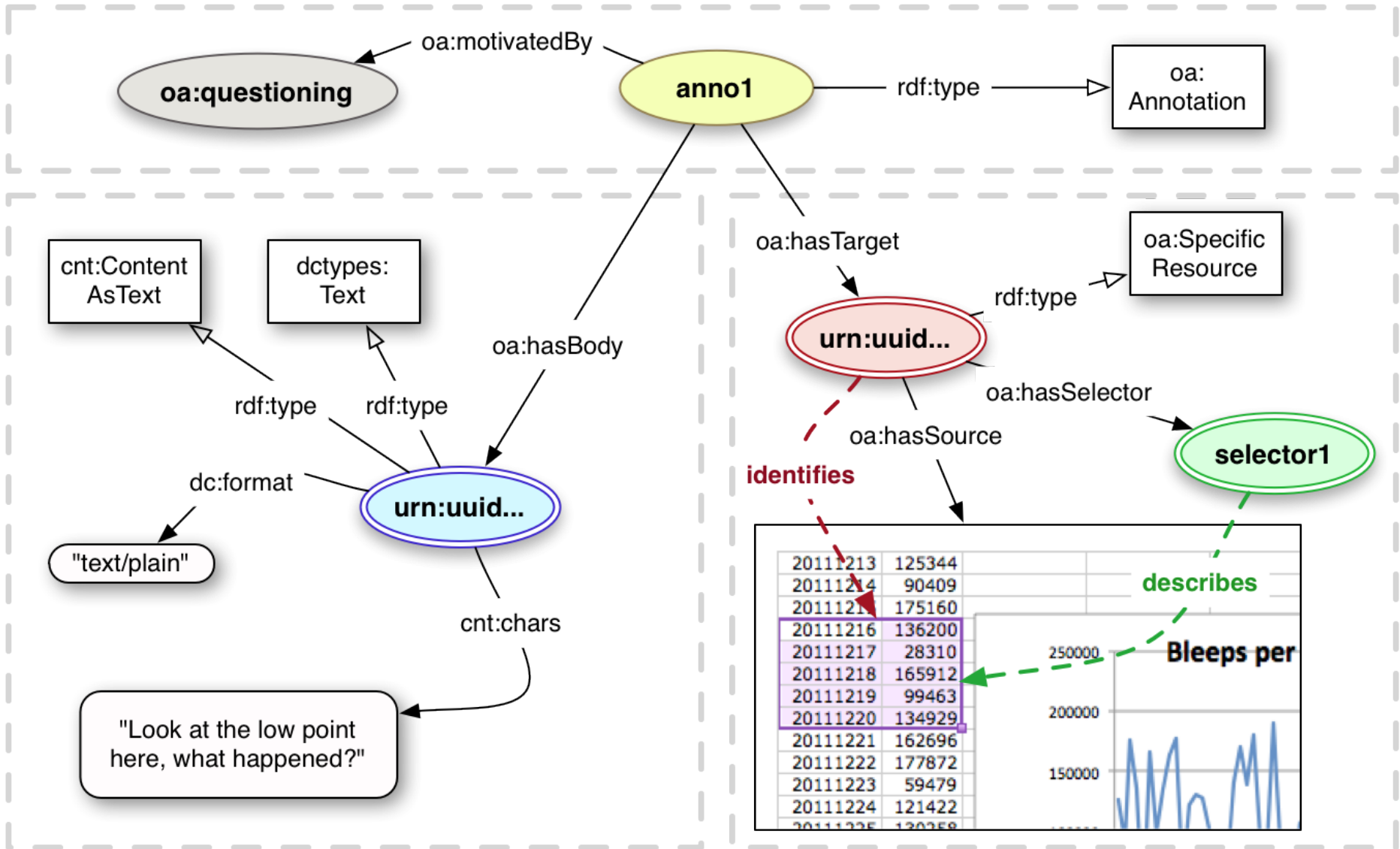|	
FragmentSelector	Description based on URI Fragment
TextPositionSelector	Position in character stream
TextQuoteSelector	Quotation of selected text
DataPositionSelector	Position in byte stream
SvgSelector	SVG defined area

Plus community defined classes
Commonly used will be recommended by the specification

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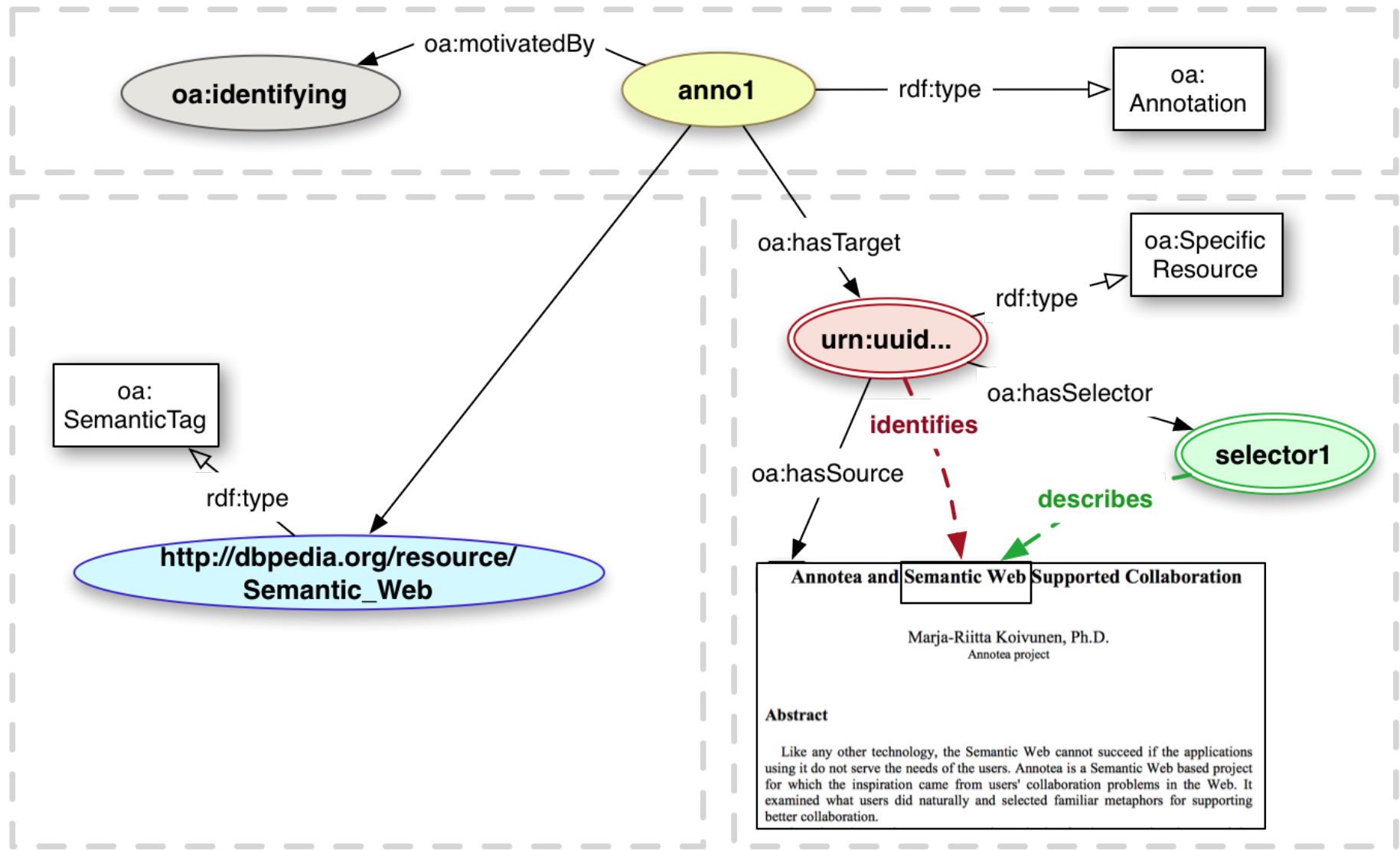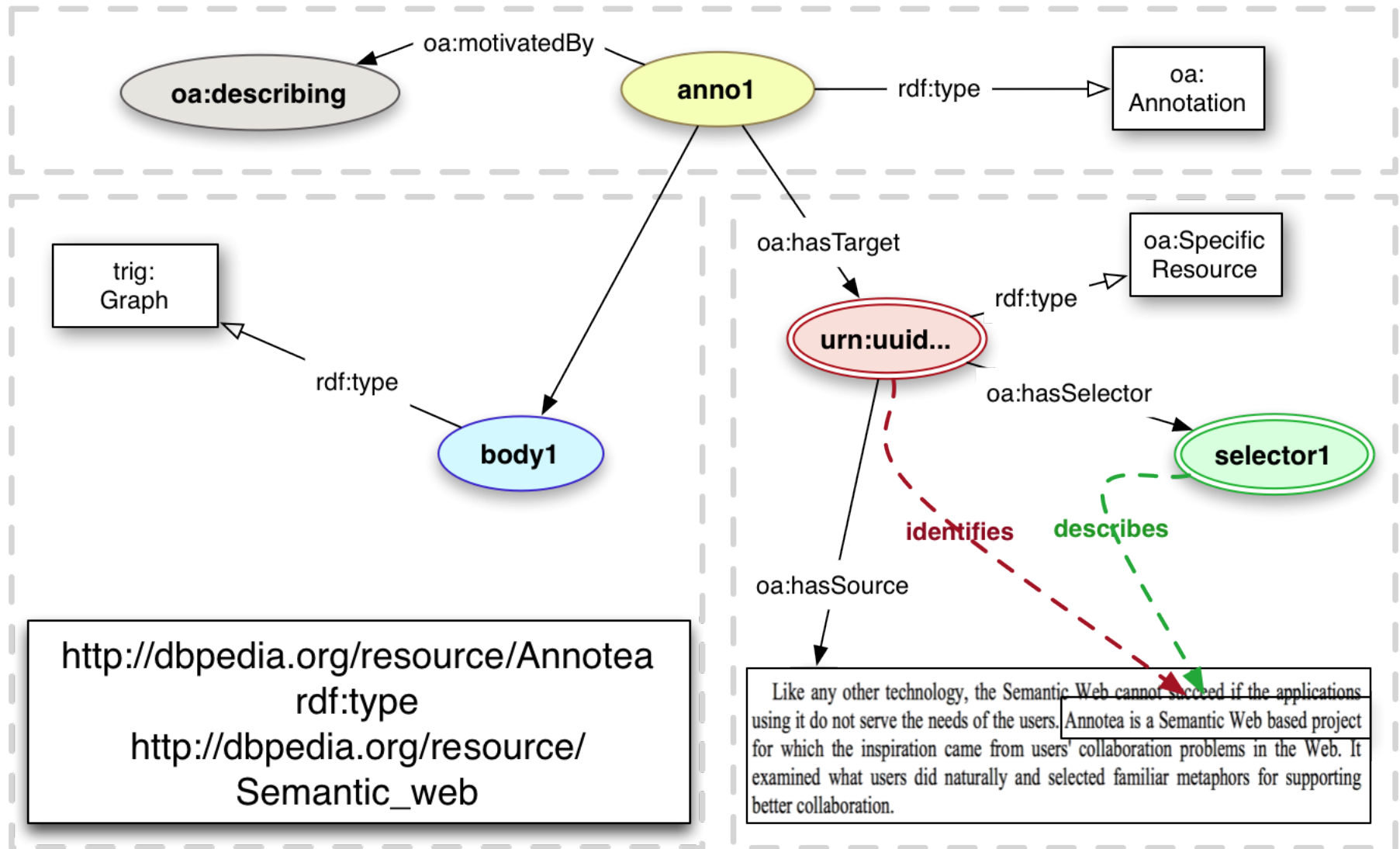NATIONAL LABORATORY

Use Case: Changing Content at Same URI

Use Case: Segment of Interest

Use Case: Text as Data – Entity Extraction

Use Case: Text as Data – Semantic Transcription

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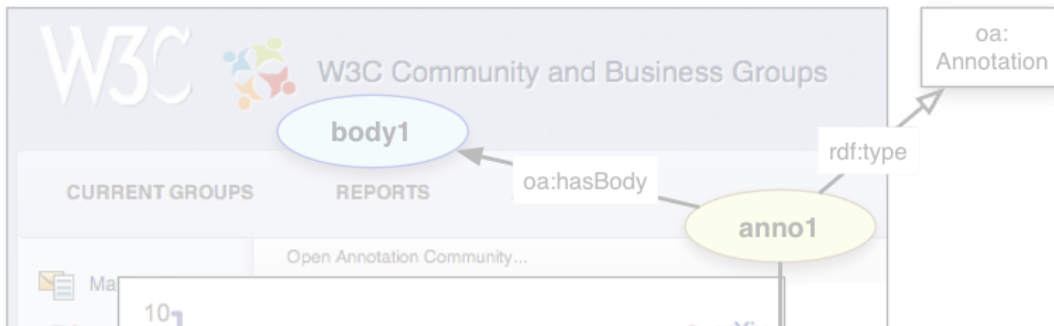
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Other Dataset Use Cases?

- Highlight a range of data
- Noting errors
- Tag a dataset, either textually or semanticly
- Link paper to its dataset, or vice versa
- Comment comparing two or more data ranges
- Annotations that span across multiple datasets
- Migrating personal notes across platforms
- …

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W3C Open Annotation

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