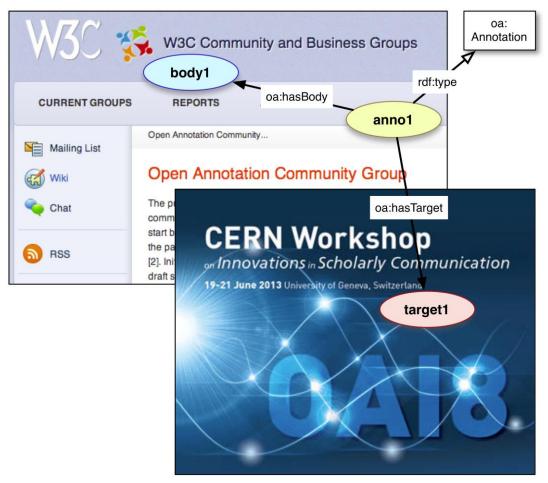
# W3C Open Annotation: Status and Use Cases



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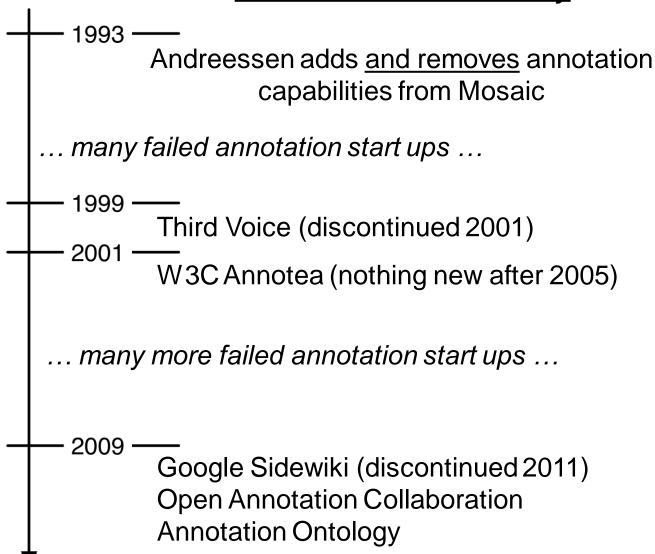








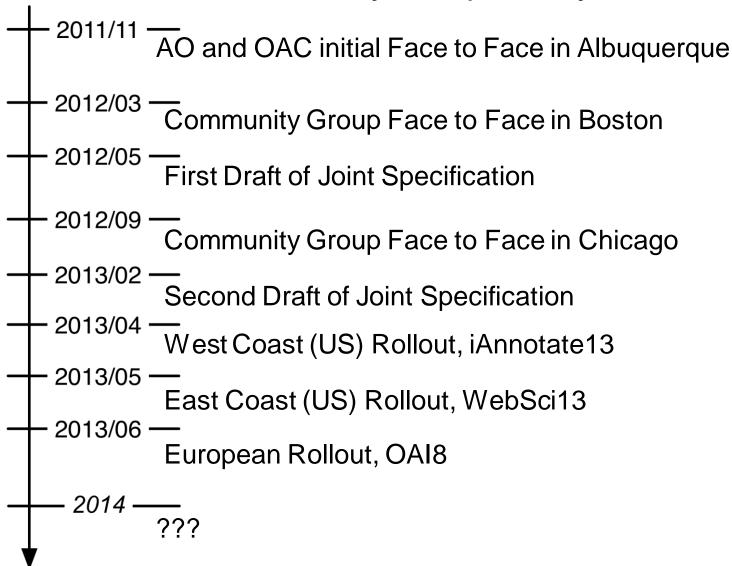
# Web Annotation History







# Community Group History





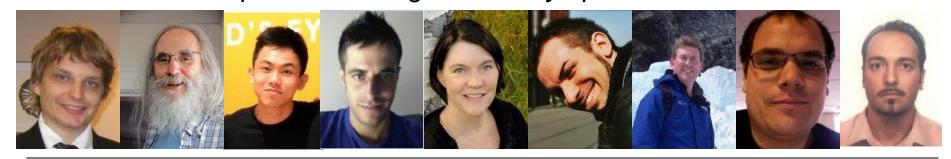
# Why a Community Group?



# Interoperability is made of People



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







## **Drilling Down a Little...**











# W3C Open Annotation Community Group

- Established after reconciliation of Open Annotation Collaboration and Annotation Ontology models
- 89 participants from around the world: 6<sup>th</sup> largest of 128 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
- ...which is orthogonal to the domain of interest
- ...without requiring adoption of specific platforms
- ...while maintaining low implementation costs



### **Users:**

- Avoid vendor lock-in
- Avoid end-of-life loss of content
- Share with yourself or others using different systems



## **Developers:**

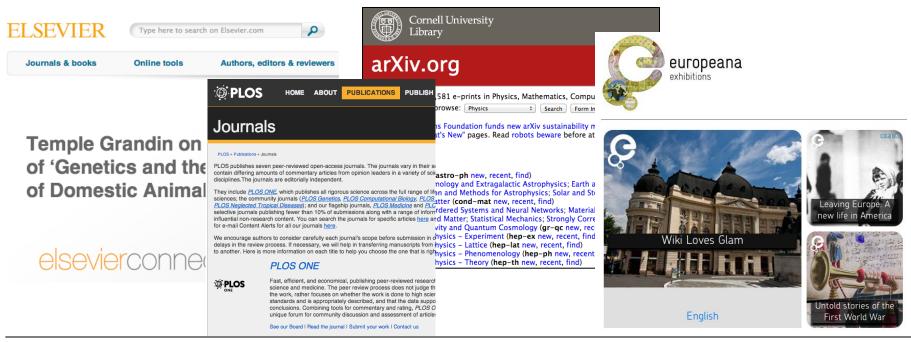
- Build on existing code libraries, tools and systems
- Community of developers for questions
- Data model covers a myriad of use cases,
   No need to think them all up again





#### **Content Providers:**

- Leverage what your users are saying, where they say it
- Build community around your resources
- Consumer as Producer (Web 2.0)
- Semantic Web (Web 3.0)
- Someone else will do it…







# Annotation is made of People!

## What is Annotation?

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

## Users Annotate To:

...Provide an Aide-Memoire

...Share and Inform

...Improve Discovery

...Organize Resources

...Interact with Others

...Create as well as Consume

Highlighting, Bookmarking

Commenting, Describing

Tagging, Linking

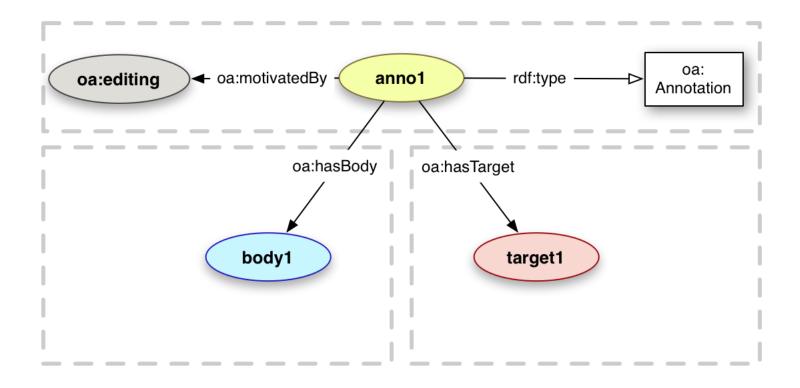
Classifying, Identifying

Questioning, Replying

Editing, Moderating



## Basic Data Model

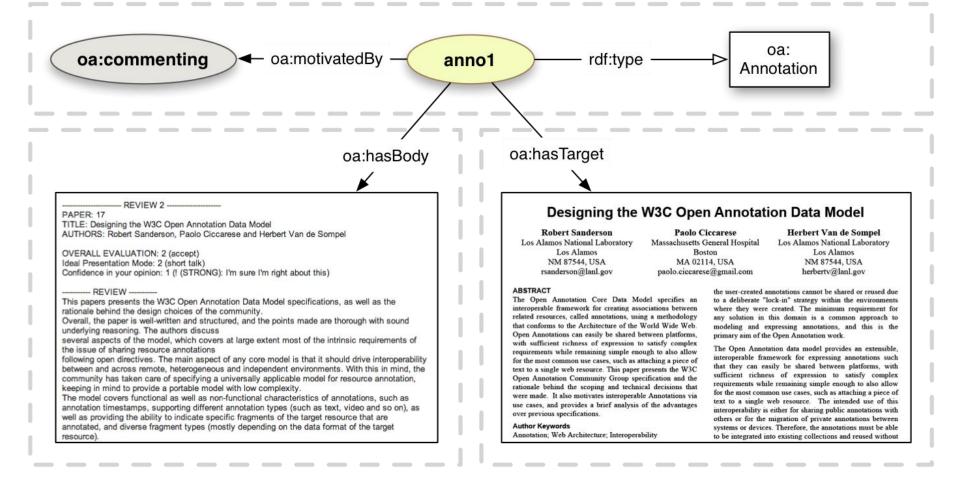


http://www.openannotation.org/spec/core/





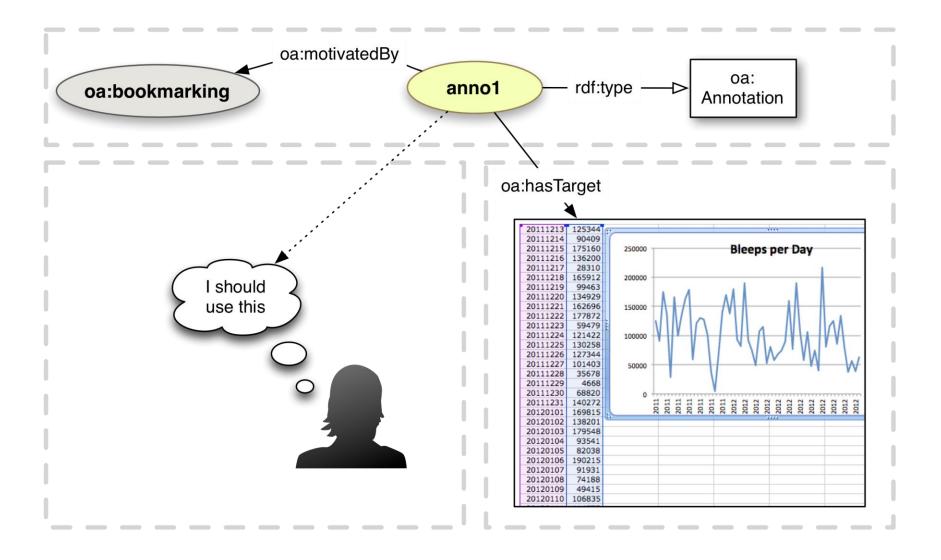
## Use Case: Peer Review







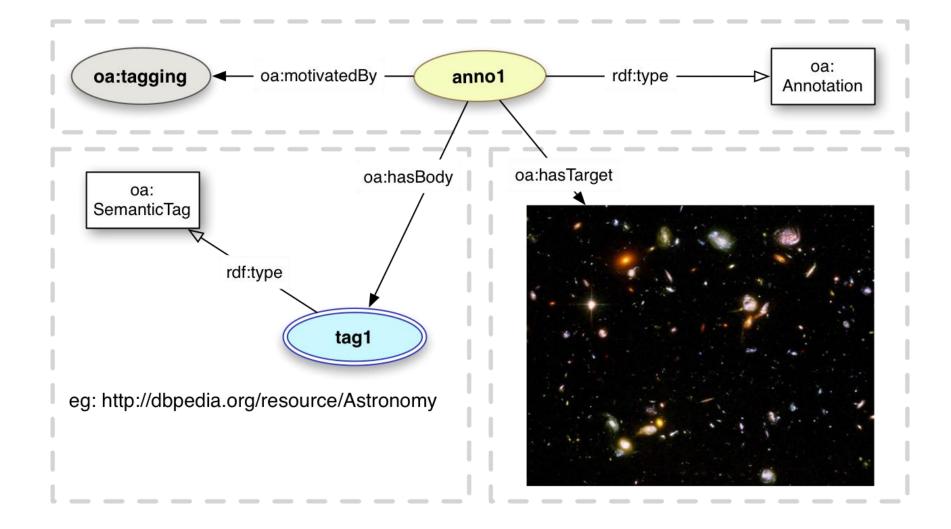
# Use Case: Organization - Bookmarking







# Use Case: Organization - Tagging







## Further Specification of Resources

Specific Body and Specific Target resources identify 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

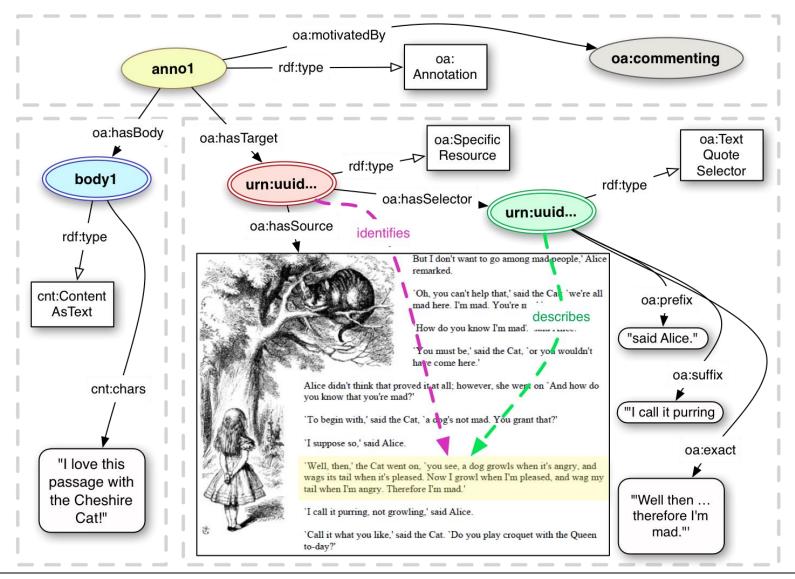
Selector Describes how to select segment

Style Describes how to render/process segment

Scope Describes context of the resource



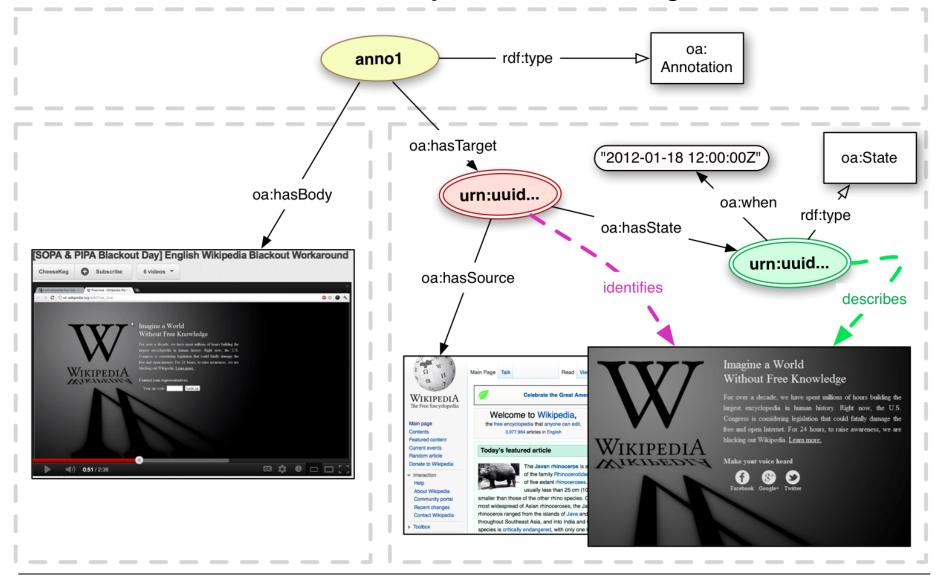
## Use Case: Specific Note Taking







# Use Case: Dynamic Knowledge







## Future of Annotation

#### Model:

- Selectors for new media types
- More explicit motivations
- Collections of Annotations

#### Protocols:

- REST
- Search and Ranking Results

#### Trust:

- Reputation and Identity
- Controlling Access and Digital Signatures

## Future of Annotation?

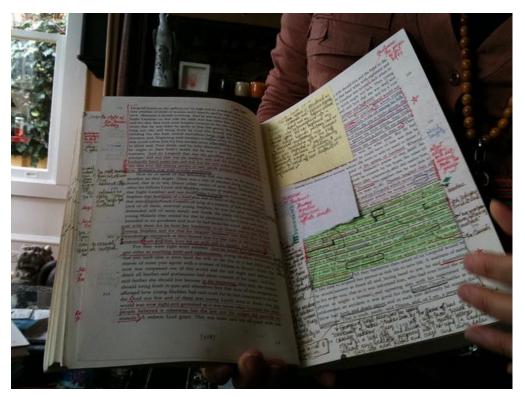
Challenge to know if/when to move to formal standards process

- Informal (Community Group):
  - More flexible
  - No membership requirements
  - Important for short term engagement
- Formal (Working Group):
  - Actually becomes a standard
  - Important for long term adoption

Likely move to formal process in 2014, unless objections or significant changes required



## Thank You



http://www.flickr.com/photos/hinkeb/5232293964/

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