Ontology Summit 2013 Website Development

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Ontology Summit 2013

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Mission:

To deploy an OntologySummit2013 website that on the OntologPSMW that will support:

1. Organize the Ontology 2013 Summit content in a way that encourages and facilitates access to and (re)use of the material

2. Use of some subset of the ICOM vocabulary [1] to annotate the content that is produced on the OntologySummit2013 Website

3. Use these annotations to provide / enable new functionality / views in terms of accessing / querying resources, events and people that are hosted on the website

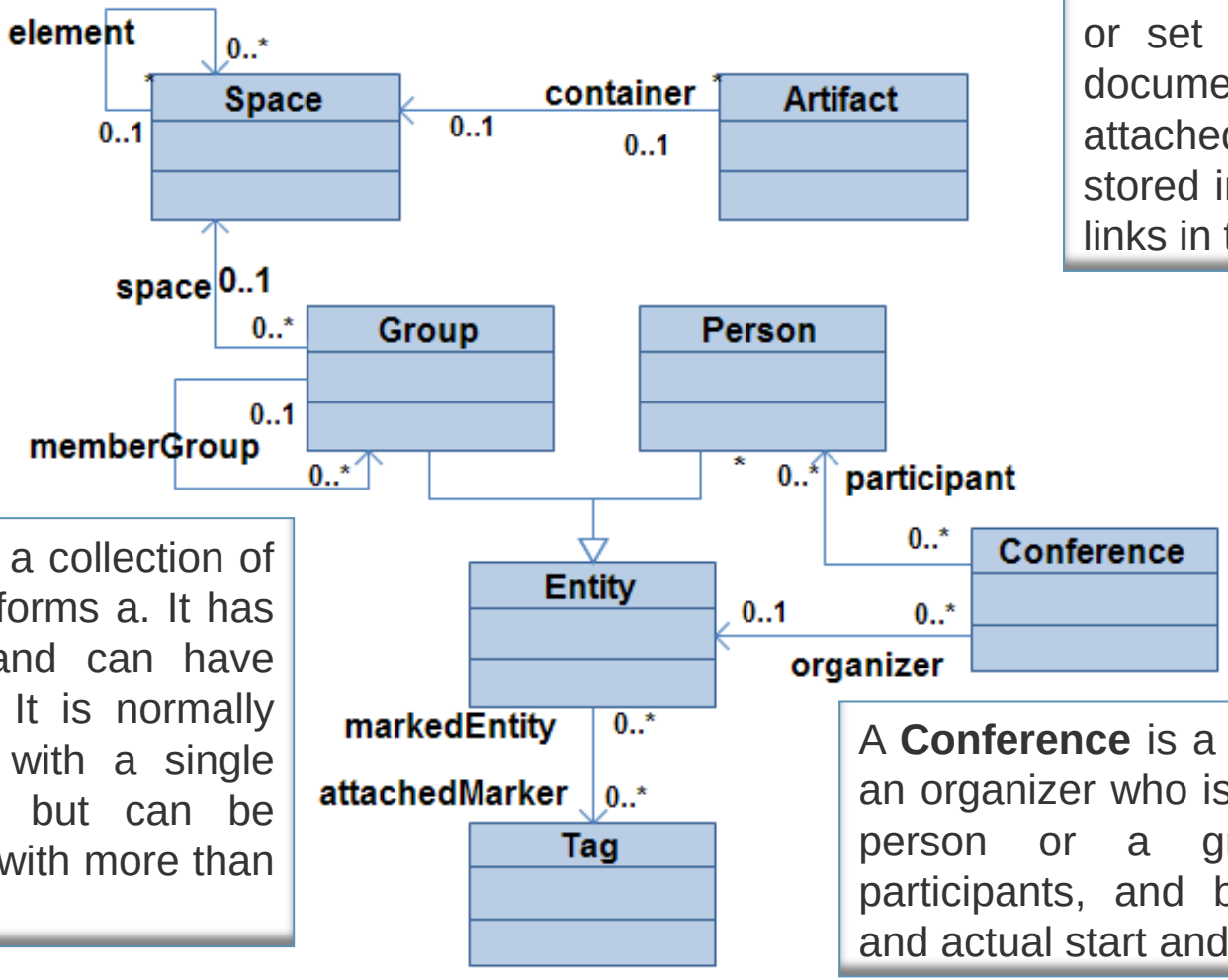
4. Develop and deploy forms to capture some of the material being uploaded according to said vocabulary, or to present content of the site

[1] https://wiki.oasis-open.org/icom

ICOM vocabulary

A **Space** is the concrete representation and work area for a collaboration. It may have associated objects such as groups and subsidiary workspaces.

An **Artifact** is a document or set of closely related documents that are either attached to the page or stored in a repository with links in the page.



A **Group** is a collection of individuals forms a. It has members and can have subgroups. It is normally associated with a single workspace, but can be associated with more than one.

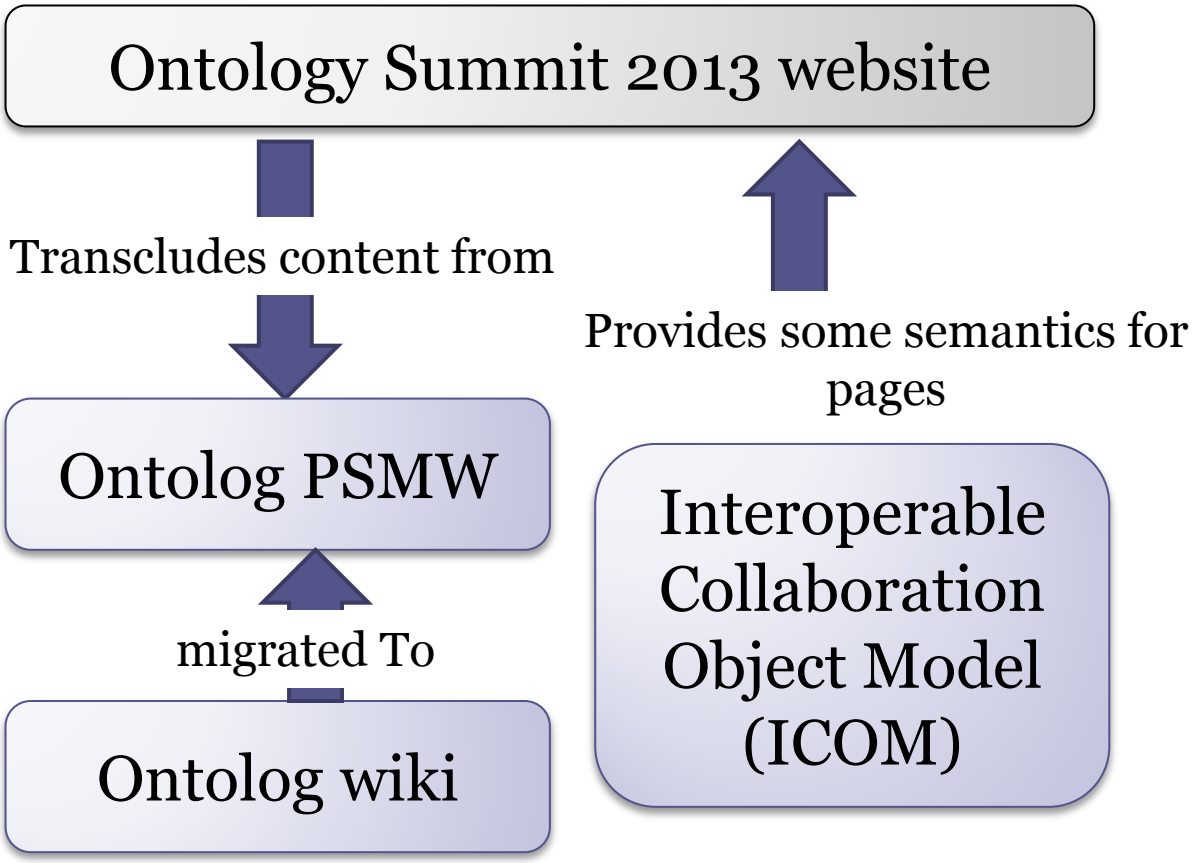
A **Conference** is a meeting. It has an organizer who is either a single person or a group. It has participants, and both scheduled and actual start and end dates.

ICOM vocabulary

Ken Baclawski has mapped part of the ICOM ontology to PSMW.

- **Properties** to represent ICOM concepts relation and attributes
- **Templates** and **Categories** to represent ICOM concepts
- **Forms** that allows page creation

Ontology Summit 2013 website layers



Migration

TejasParikh & PeterYim were key in migrating the Ontologwiki to the new Ontolog Purple Semantic Media Wiki (PSMW)

OntologWiki: OntologySu | semantic-mediawiki.org | OntologySummit2013 We

dev.cim3.net/wiki/OntologySummit2013_Website_Development

Main page | Community portal | Current events | Recent changes | Random page | Help

Search

OntologPSMW - Dev

OntologySummit2013 Website Development

[hide purple numbers]

OntologySummit2013 Website Development (1)

This is the OntologySummit2013 Website Team workspace ... (1A)

Website Co-champions: **Dr. MarcelaVegetti & Mr. AliHashemi** (1B)

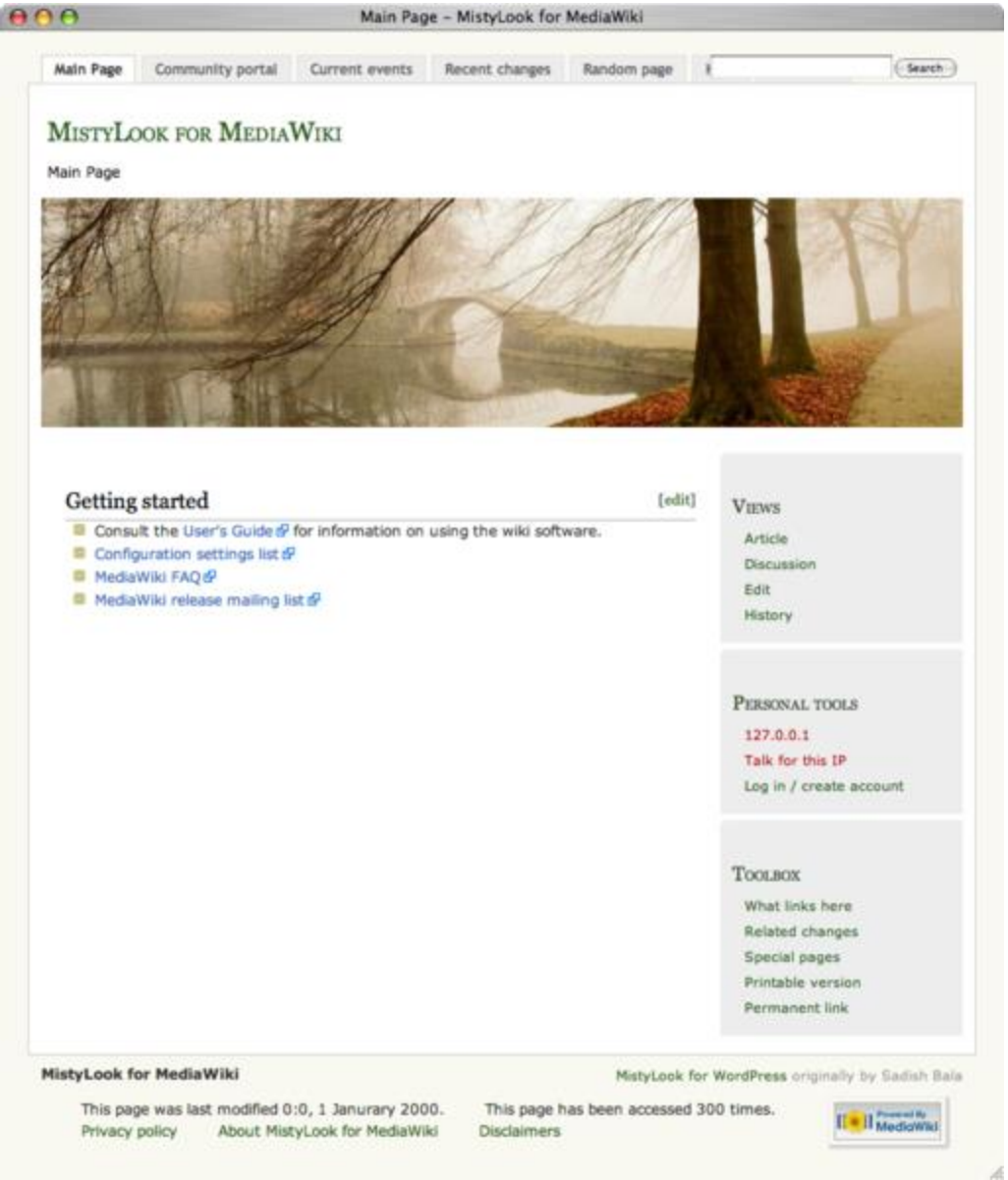
- with support from: (1C)
  - KenBaclawski (1C1)
  - PeterYim (1C2)
  - TejasParikh (1C3)
  - ShinyaYamada (1C4)
  - SoledadSonzini (1C5)

Mission: (1D)

Views
- Page
- Discussion
- View source
- History

Personal tools
- Log in

New look and feel



We've changed PSMW skin

MistyLook for WordPress originally by Sadish Bala

Soledad Sonzini's modified the skin to adapt it

We've change the image

Exporting RDF

- Added ability to export Elements as RDF triples
- Summit content now machine readable, and discoverable
- Moving towards 5 star LinkedData viability

General (2) http://ontolog-02.cim3.net/wiki/OOR

(2A)

Full name of the tool	Open Ontology Repository (OOR)
Description of the tool	An architecture and infrastructure that supports the storage, sharing, searching, management and other value added service for ontologies
Link to the tool	http://oor.net/
Tool home page	http://www.oor.net/
Download page	http://sandbox.oor.net/ontologies (for content)
Author	Members of the OOR Initiative
Contact	Ken@Baclawski.com, mdean@bbn.com, peter.yim@cim3.com
Institutional sponsor	The OOR Initiative
Last version	OOR-sandbox
License	code: (simplified) BSD; content: CC-BY-3.0
Mailing List	[[Mailing List::[oor-forum], [oor-users], [oor-dev] http://ontolog.cim3.net/mailman/listinfo/]]

Exploration (3)

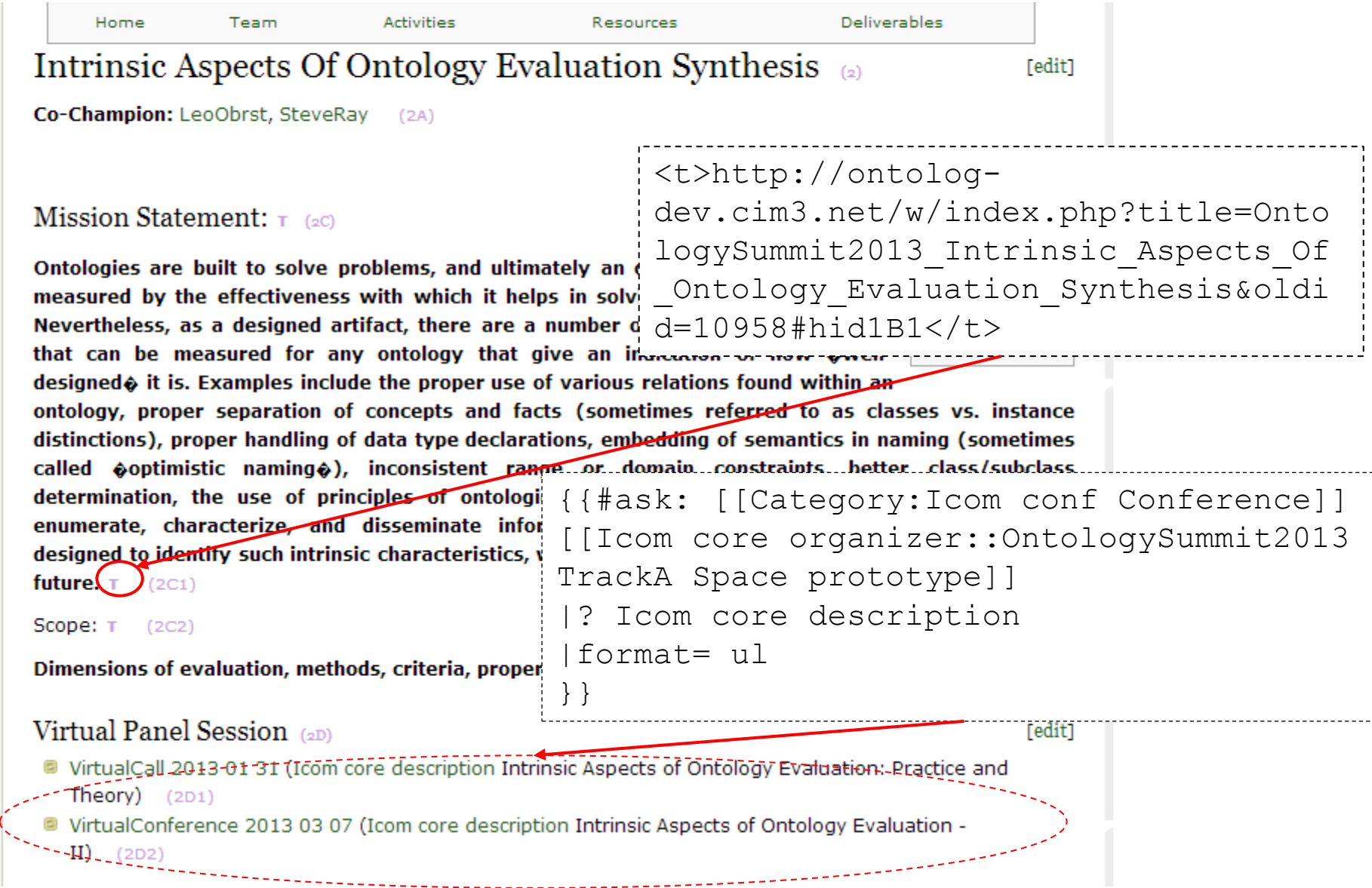
Find ontologies with specific domain coverage	Yes
-- comment	There is a categorizing a
Compare domain coverage across ontologies	No
-- comment	Optional rema

http://ontolog-02.cim3.net/wiki/Special:ExportRDF/OOR

Export RDF

```
<owl:Ontology rdf:about="http://ontolog-02.cim3.net/wiki/Special:ExportRDF/OOR">
    <swivt:creationDate rdf:datatype="http://www.w3.org/2001/XMLSchema#dateTime">
    2013-04-30T04:27:16-07:00</swivt:creationDate>
    <owl:imports rdf:resource="http://semantic-mediawiki.org/swivt/1.0"/>
</owl:Ontology>
<swivt:Subject rdf:about="http://ontolog-02.cim3.net/wiki/Special:URIResolver/OOR">
    <rdf:type rdf:resource="&wiki;Category-3AOntologySummit2013_Survey"/>
    <rdfs:label>OOR</rdfs:label>
    <swivt:page rdf:resource="http://ontolog-02.cim3.net/wiki/OOR"/>
    <rdfs:isDefinedBy rdf:resource="http://ontolog-02.cim3.net/wiki/Special:ExportRDF/OOR"/>
    <swivt:wikiNamespace rdf:datatype="http://www.w3.org/2001/XMLSchema#integer">0
    </swivt:wikiNamespace>
    <property:Accept_validation_test_sets_or_inputs rdf:datatype=
    "http://www.w3.org/2001/XMLSchema#boolean">false
    </property:Accept_validation_test_sets_or_inputs>
    <property:Accept_validation_test_sets_or_inputs_comments rdf:datatype=
    "http://www.w3.org/2001/XMLSchema#string">Optional remarks
    </property:Accept_validation_test_sets_or_inputs_comments>
    <property:Apply_a_style_of_ontological_analysis_to_design rdf:datatype=
    "http://www.w3.org/2001/XMLSchema#boolean">false
    </property:Apply_a_style_of_ontological_analysis_to_design>
    <property:Apply_a_style_of_ontological_analysis_to_design_comments rdf:datatype=
    "http://www.w3.org/2001/XMLSchema#string">Optional remarks
    </property:Apply_a_style_of_ontological_analysis_to_design_comments>
```

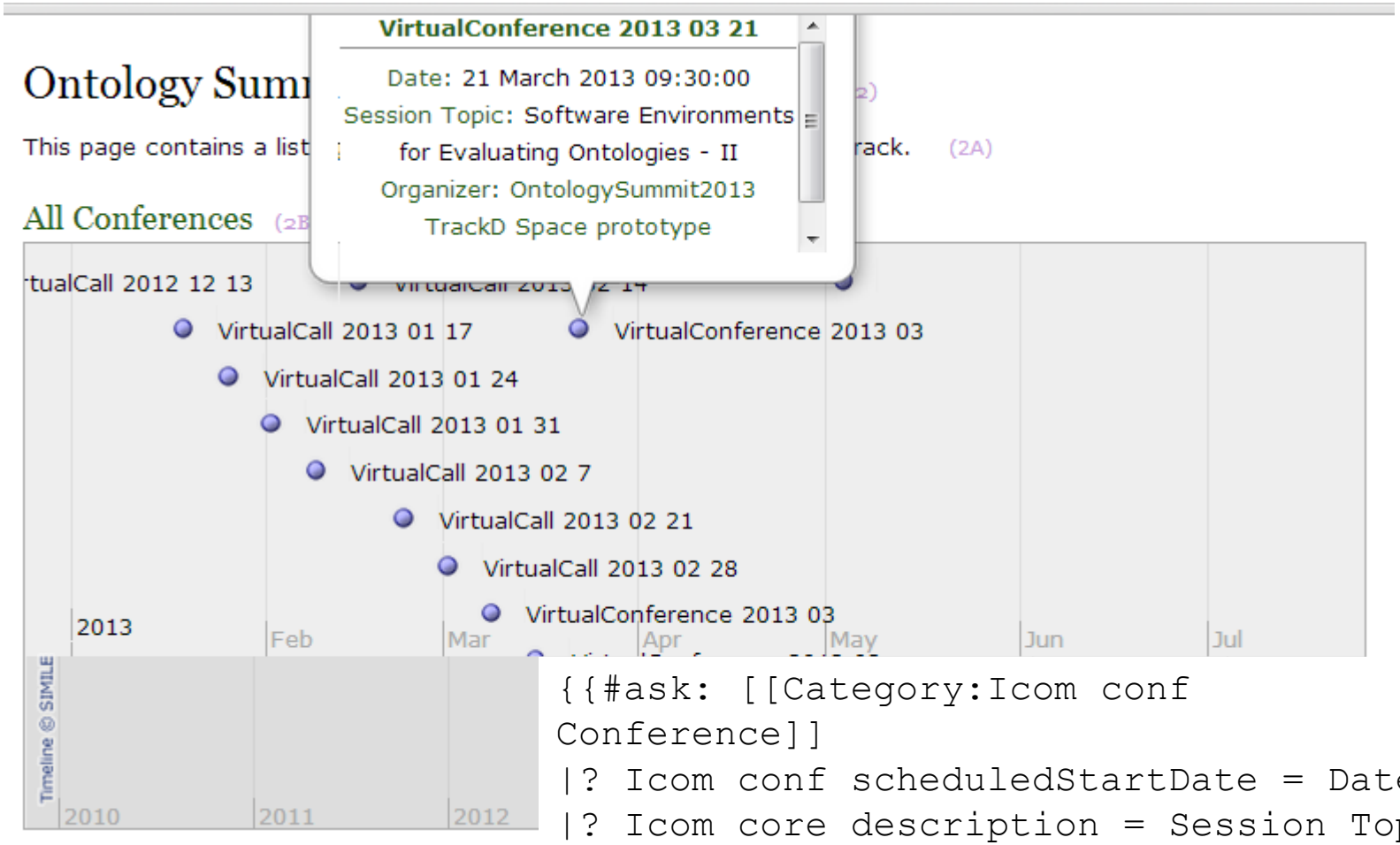
Transclusion & #ask parser function




```
<t>http://ontolog-dev.cim3.net/w/index.php?title=OntologySummit2013_Intrinsic_Aspects_Of_Ontology_Evaluation_Synthesis&oldid=10958#hid1B1</t>
```

```
{{#ask: [[Category:Icom conf Conference]]
[[Icom core organizer::OntologySummit2013 TrackA Space prototype]]
|? Icom core description
|format= ul
}}
```

Another possibility to show query results




```
{{#ask: [[Category:Icom conf
Conference]]
|? Icom conf scheduledStartDate = Date
|? Icom core description = Session Topic
|? Icom core organizer = Organizer
|format= timeline
}}
```

There's a lot of issues to improve:

- More efficient management of artifacts
- Add semantics to ontolog participant pages
- Enable semantic queries to access information about events, presentations in conference calls
- Develop and deploy forms and templates to capture some of the material being uploaded according to said vocabulary, or to present content of the site
- Incorporate Ontology of Ontology Evaluation vocabulary

Another task that was added to our mission

Reserved

Content Organization

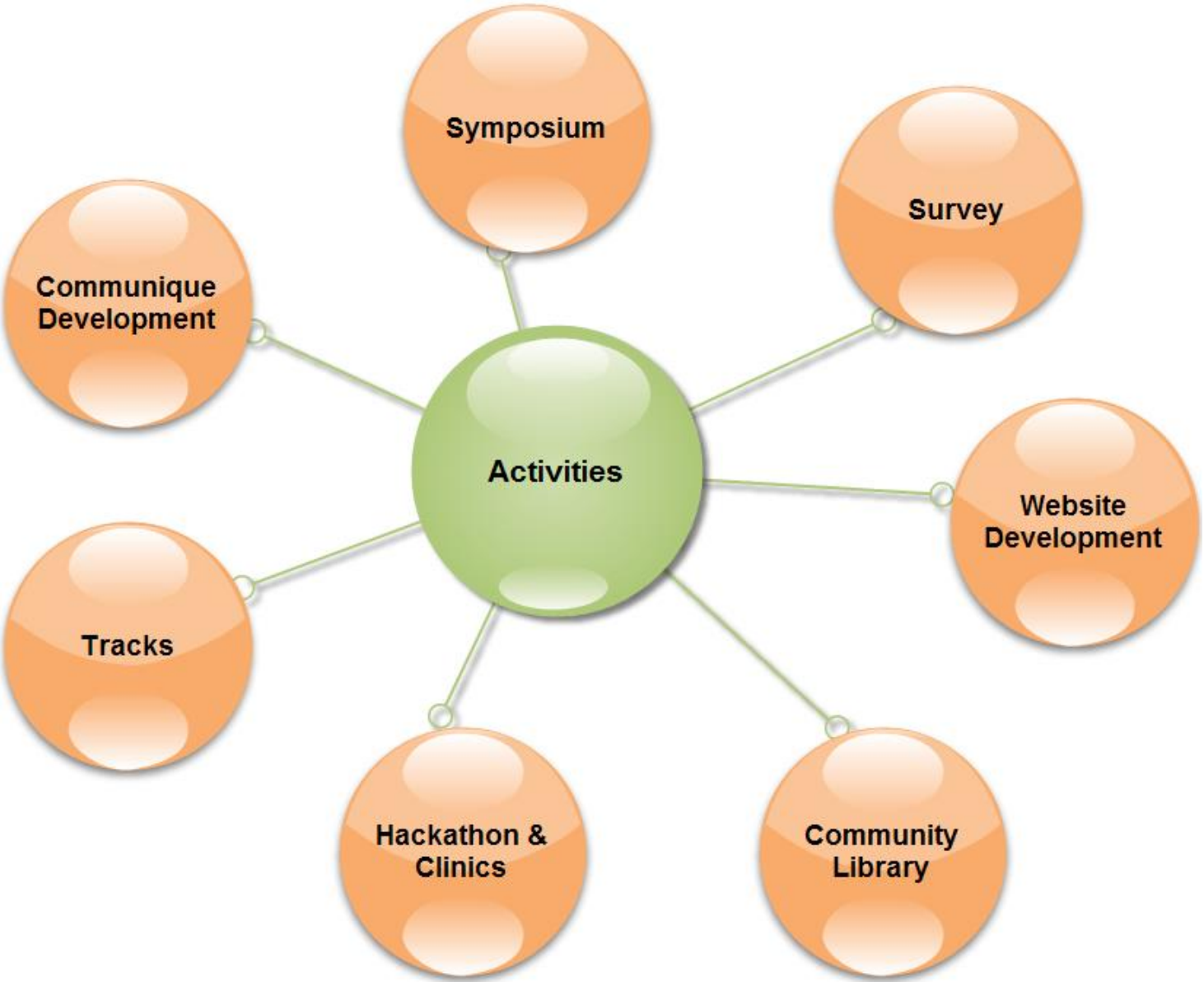
- The [ontolog-summit] list email archive
- List of all virtual conference
- The Community Library space
- The Ontolog Wiki

- Communique Development
- Tracks
- Symposium
- Hackathon & Clinics
- Website Development
- Community Library
- Survey

- Members: general chairs
- Subgroups:
  - ✓ Symposium
  - ✓ Hackathon & Clinics
  - ✓ Survey
  - ✓ Website Development
  - ✓ Community Library
  - ✓ Communique Development
  - ✓ TrackA, TrackB, TrackC and TrackD

- Ontology Summit Communiqué
- Each Track panel presentations
- Each Hackathon & Clinic Project results

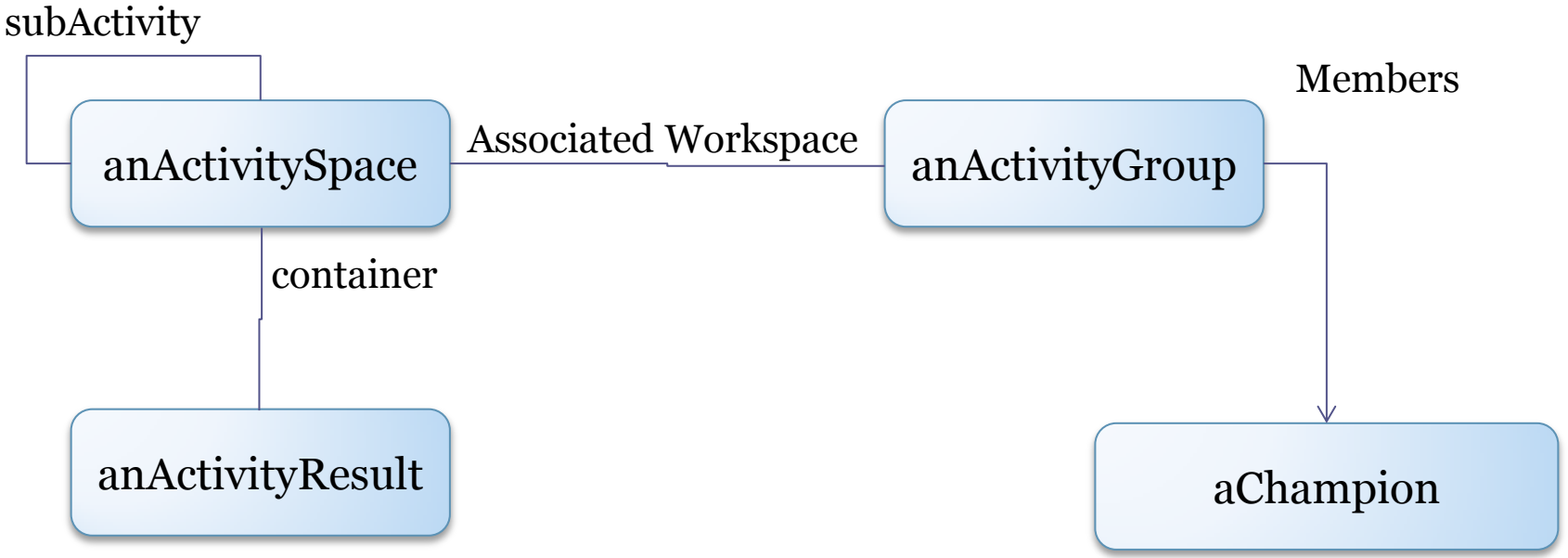
Ontology Summit 2013 activities



Representing Activities

Activities are represented as ICOM Space concepts

- It has a group that supports it
- It may propose subactivities
- It produces one or more artifacts



Representing Tracks

Tracks are also represented as ICOM Space concepts.

Each is related to:

- ❖A Group composed by its Champions and its panelist
- ❖Two Associated Workspaces (Track Synthesis and Community Input)
- ❖Virtual Meetings that are organized by track