

Ontology Summit 2013 Website Development

AliHashemi & Marcela Vegetti

KenBaclawski
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SoledadSonzini

Ontology Summit 2013

May 2~3, 2013

Mission:

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

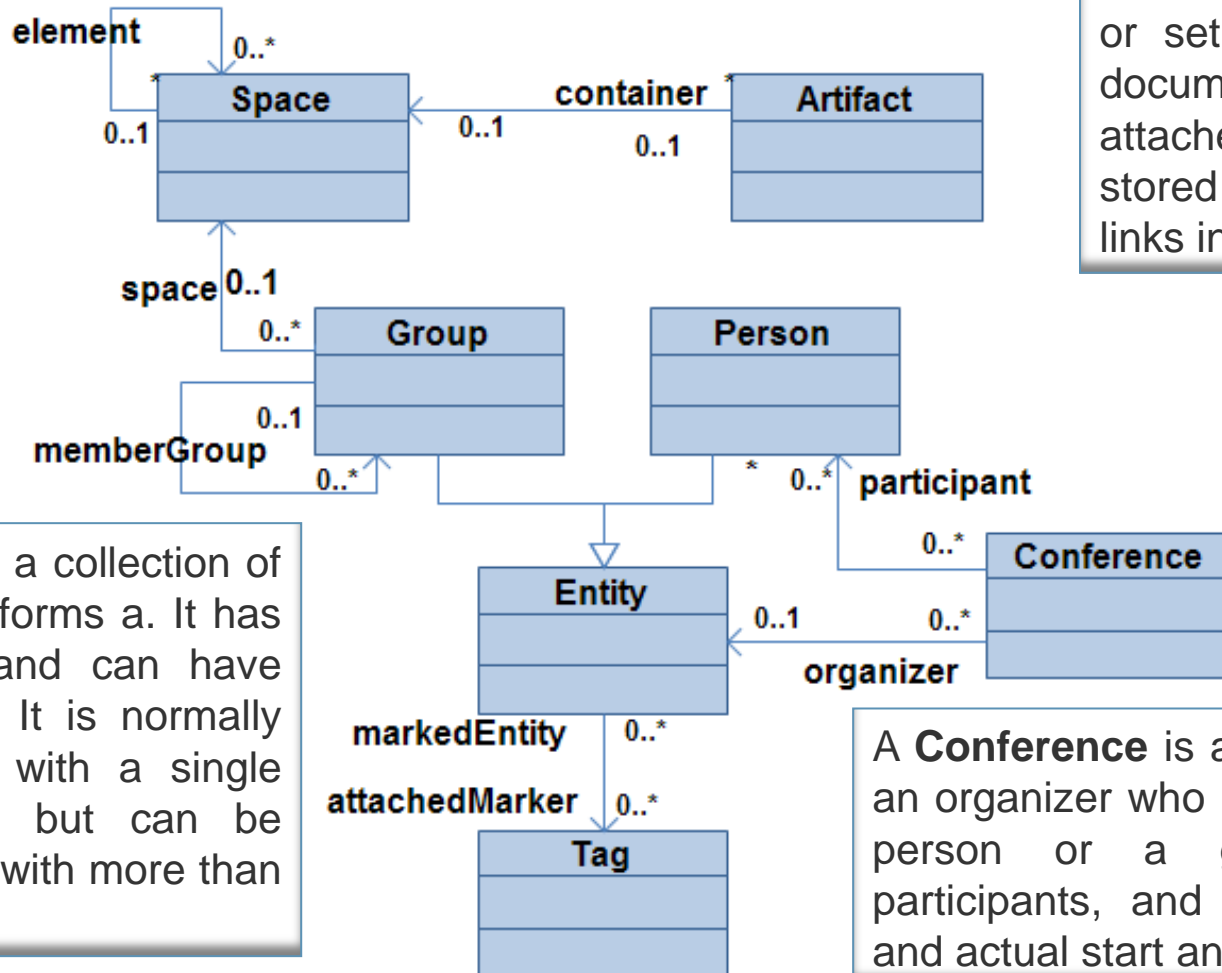
1. Organize the Ontology 2013 Summit content in a way that encourages and facilitates access to and (re)use of the material
2. Use of some subset of the ICOM vocabulary [1] to annotate the content that is produced on the OntologySummit2013 Website
3. Use these annotations to provide / enable new functionality / 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.

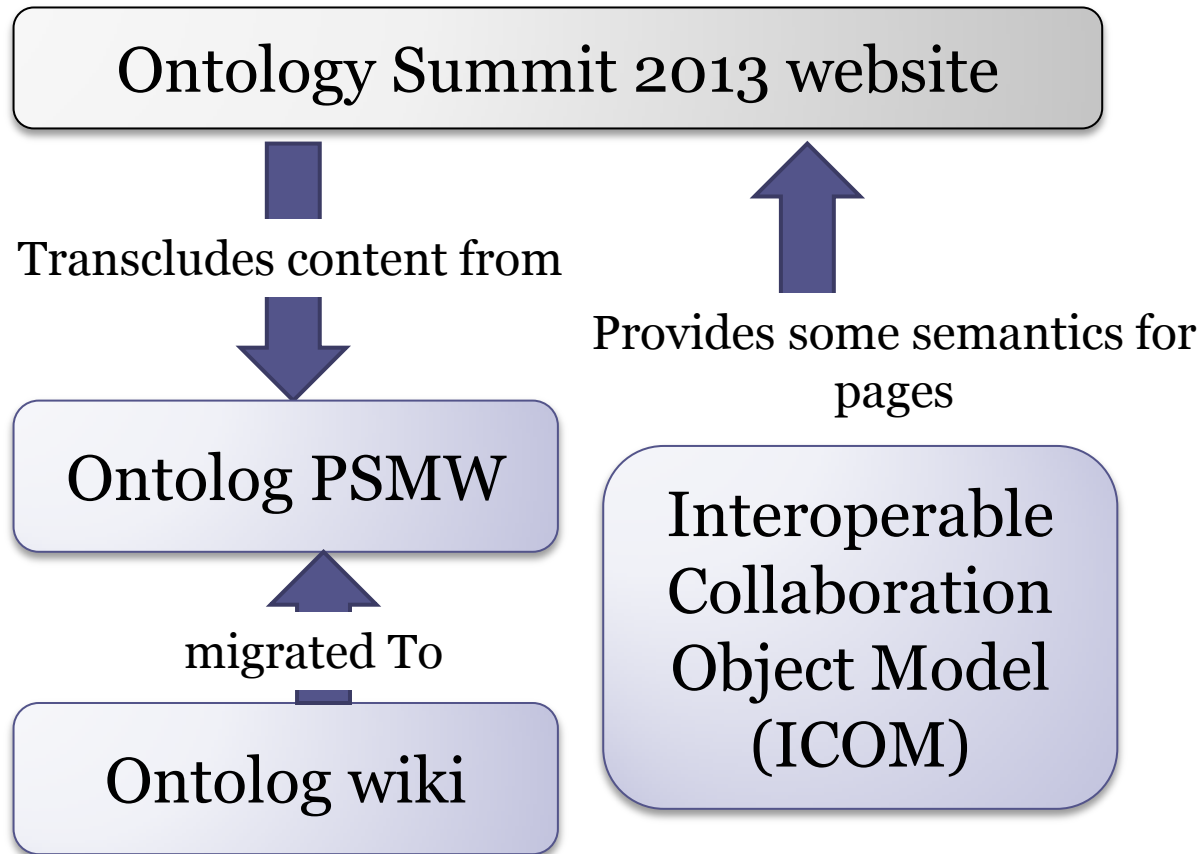
A **Conference** is a meeting. It has an organizer who is either a single person or a group. It has participants, and both scheduled and actual start and end dates.

ICOM vocabulary

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

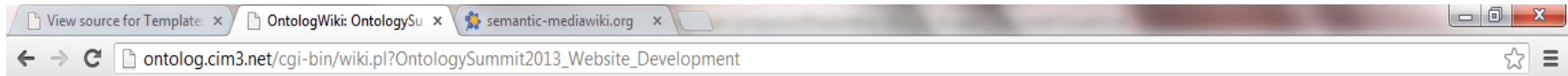
- ❖ **Properties** to represent ICOM concepts relation and attributes
- ❖ **Templates** and **Categories** to represent ICOM concepts
- ❖ **Forms** that allows page creation

Ontology Summit 2013 website layers



Migration

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



OntologySummit2013 Website Development

[WikiHomePage](#) | [RecentChanges](#) | [Page Index](#)



[Login \(create account\)](#)

OntologySummit2013 Website Development (3079)

This is the OntologySummit2013 Website Team workspace ... (307A)

Website Co-champions: **Dr. MarcelaVegetti & Mr. AliHashemi** (3075)

- with support from: (307X)
 - [KenBaclawski](#) (307Y)
 - [PeterYim](#) (307Z)
 - [TejasParikh](#) (3080)
 - [ShinyaYamada](#) (3081)
 - [SoledadSonzini](#) (309A)

Mission: (308G)

This OntologySummit2013 website team to deploy an [OntologySummit2013](#) website that on the [OntologPSMW](#) that will support: (308H)

- Organize the Ontology 2013 Summit content in a way that encourages and facilitates access to and (re)use of the material (308I)
- Use of some subset of the ICOM[4] vocabulary to annotate the content that is produced on the [OntologySummit2013 Website](#) (308J)
- Use of these annotations to provide / enable new functionality / views in terms of accessing / querying resources, events, people that are hosted on the website (308K)
- Develop and deploy forms to Development and deployment of constructs (e.g. forms and templates) to capture some of the material being uploaded according to said vocabulary, or to present content of the site. (308L)

Your Visited Pages

- [OntologySummit2013 Website Development](#)
- [OntologySummit2013](#)

View Backlinks

Wiki Search

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

 Search

OntologPSMW - Dev

OntologySummit2013 Website Development



[hide purple numbers]

OntologySummit2013 Website Development ⁽⁴⁾

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)

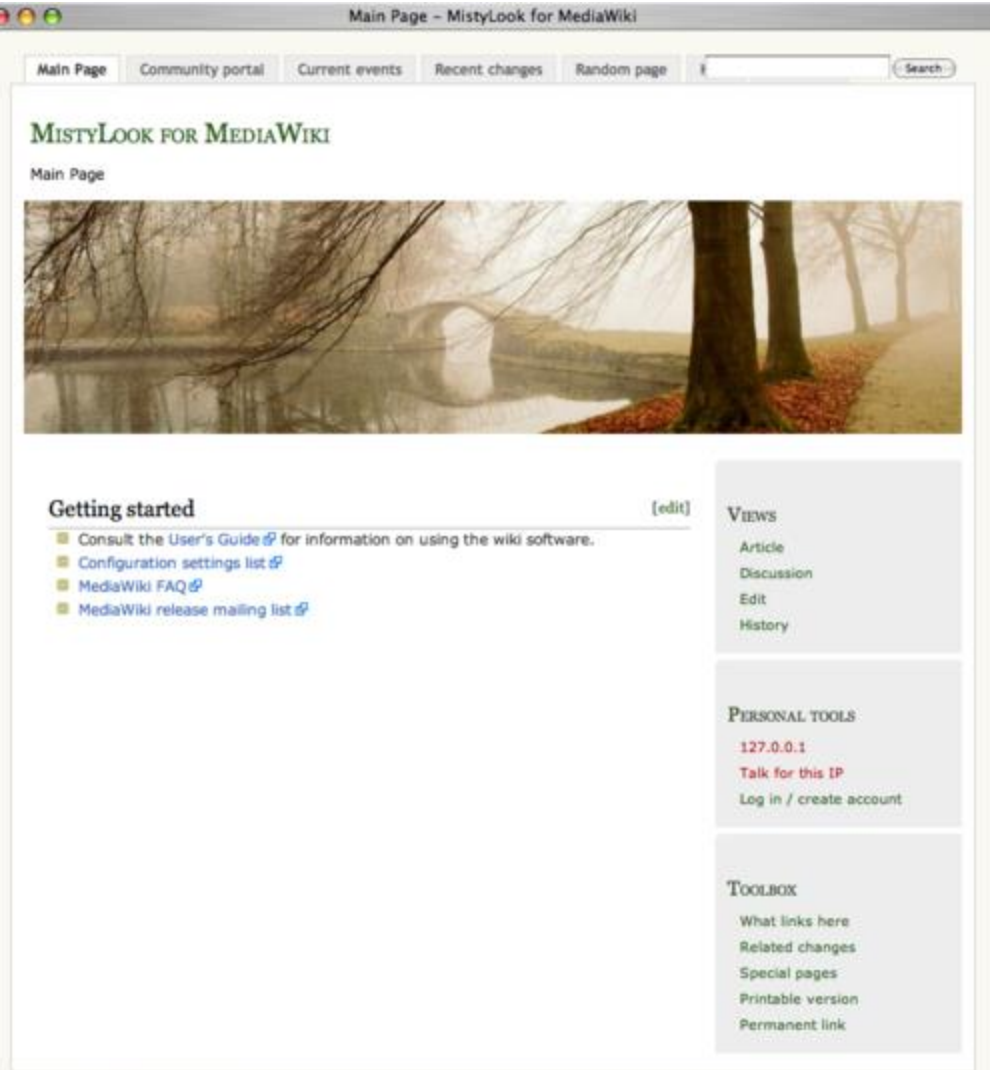
Views

- ◆ 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

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

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

Full name of the tool Open Ontology Repository (OOR)

Description of An architecture and infrastructure that supports the storage, sharing, searching, management and the tool 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/>]]

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

Export RDF

```
<owl:Ontology rdf:about="http://ontolog-02.cim3.net/wiki/Special:ExportRDF/OOR">
  <swikt:creationDate rdf:datatype="http://www.w3.org/2001/XMLSchema#dateTime">
    2013-04-30T04:27:16-07:00</swikt:creationDate>
  <owl:imports rdf:resource="http://semantic-mediawiki.org/swikt/1.0"/>
</owl:Ontology>
<swikt: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>
  <swikt:page rdf:resource="http://ontolog-02.cim3.net/wiki/OOR"/>
  <rdfs:isDefinedBy rdf:resource="http://ontolog-02.cim3.net/wiki/Special:ExportRDF/OOR"/>
  <swikt:wikiNamespace rdf:datatype="http://www.w3.org/2001/XMLSchema#integer">0
</swikt: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>
```

Exploration ⁽³⁾

Find ontologies with specific domain coverage

Yes

-- comment

There is a categorizing a

Compare domain coverage across ontologies

No

-- comment

Optional remarks

Transclusion & #ask parser function

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Intrinsic Aspects Of Ontology Evaluation Synthesis (2)

[\[edit\]](#)

Co-Champion: [LeoObrst](#), [SteveRay](#) (2A)

Mission Statement: [T](#) (2C)

Ontologies are built to solve problems, and ultimately are measured by the effectiveness with which it helps in solving them. Nevertheless, as a designed artifact, there are a number of characteristics that can be measured for any ontology that give an indication of how well it is designed. Examples include the proper use of various relations found within an ontology, proper separation of concepts and facts (sometimes referred to as classes vs. instance distinctions), proper handling of data type declarations, embedding of semantics in naming (sometimes called optimistic naming), inconsistent range or domain constraints, better class/subclass determination, the use of principles of ontology enumeration, characterize, and disseminate information designed to identify such intrinsic characteristics, and future.

[T](#) (2C1)

Scope: [T](#) (2C2)

Dimensions of evaluation, methods, criteria, proper

Virtual Panel Session (2D)

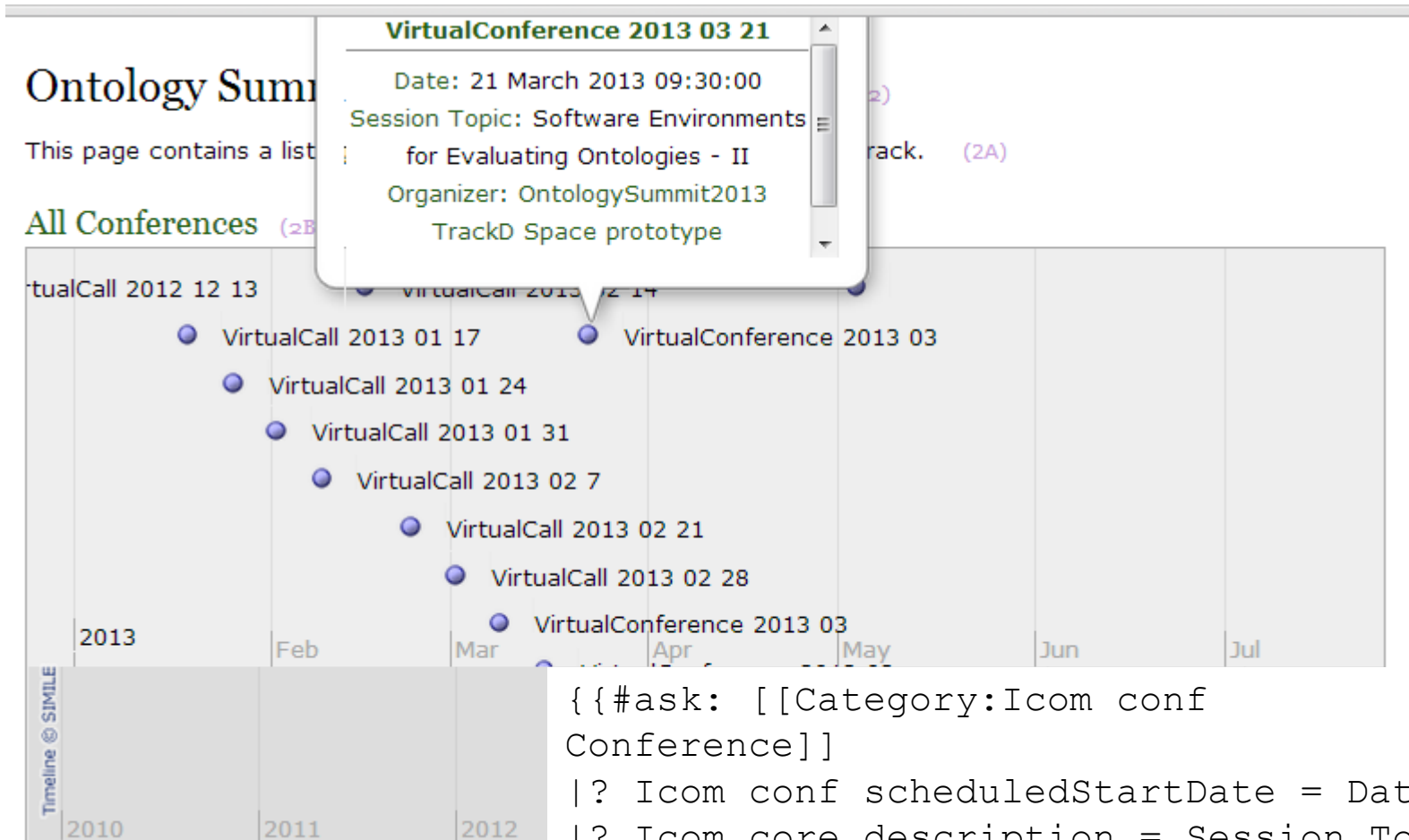
[\[edit\]](#)

- VirtualCall 2013-01-31 (Icom core description Intrinsic Aspects of Ontology Evaluation: Practice and Theory) (2D1)
- VirtualConference 2013-03-07 (Icom core description Intrinsic Aspects of Ontology Evaluation - II) (2D2)

```
<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



The screenshot shows a timeline interface with a tooltip. The tooltip content is as follows:

VirtualConference 2013 03 21
Date: 21 March 2013 09:30:00
Session Topic: Software Environments
for Evaluating Ontologies - II
Organizer: OntologySummit2013
TrackD Space prototype

The timeline shows events from 2010 to 2013. The 2013 section includes several 'VirtualCall' events and one 'VirtualConference' event on March 21, 2013.

```
{{#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

n3.net/OntologySummit/2013 | Ontology Summit 2013 | IcomOntology - OntologPSMW

ontology summit 2013

ABOUT

MEDIA

COMMUNIQUE

RESOURCES

PEOPLE

Ontology Evaluation Across the Ontology Lifecycle

Join us at the [Ontology Summit 2013 Symposium](#)

May 2~3 at NIST, Gaithersburg, Maryland, USA.

... still time to [Register](#) for remote participation (on-site registration now closed.)

Ontology Evaluation Across the Ontology Lifecycle

This year's Ontology Summit is titled "Ontology Evaluation Across the Ontology Lifecycle".

Ontologies represent a shared understanding about concepts and relationships of a domain. They help manage and exploit information. Ontologies clarify meaning among people in the form of explicit knowledge that can be executed by software. They model processes and decision-making. And, they

Quick Links

MEDIA

RESOURCES

COMMUNIQUE

SYMPOSIUM

TRACK PAGES

OTHER ACTIVITIES

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 Communique
- ❖ Each Track panel presentations
- ❖ Each Hackathon & Clinic Project results

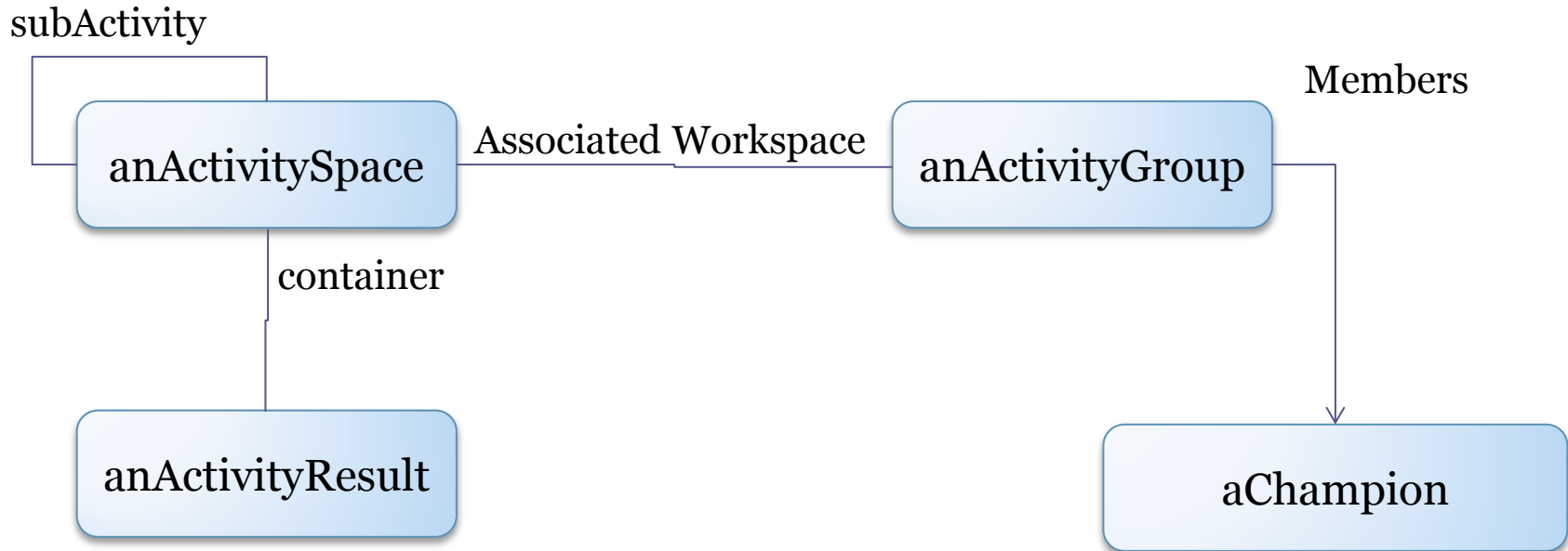
Ontology Summit 2013 activities



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

