

Ontology Summit 2014  
Big Data and Semantic Web Meet Applied Ontology

# Track E: Hackathon results

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# What happened

- 6 individual Hackathon projects had happened!
- 47 participants had fun of collective hacking.
- Most of the projects have taken 2 days, and some of them 3 days to get results. Even more to have reports finished.
- Most of produced during Hackathon Event artifacts (e.g. ontology files, code snippets, etc.) are available at a individual projects public repositories.
- Reports are published.

# 1. Reference data for Anime and Manga: Semantic Linking and Publishing of Diverse Data-Sets

Project roster page: [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014 Hackathon ReferenceDataForAnimeAndManga](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014HackathonReferenceDataForAnimeAndManga)

Team: 9 participants from Russia, Belorussia, Switzerland, Germany. Team lead: [VictorAgroskin](#)

Results: <http://github.com/ailev/anird> (reference data from 2 anime online databases in ISO 15926 format, ontology patterns for semantization, data fetching and conversion code)

## 2. Ontology Design Patterns and Semantic Abstractions in Ontology Integration

Project roster page: [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014\\_Hackathon\\_DesignPatternsAndAbstractions](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014_Hackathon_DesignPatternsAndAbstractions)

Team of 9 participants from Australia, Russia, Italy, France, England and the US (East and West coast). Team Lead: [MikeBennett](#)

Results: «sufficient information to specify the ontology and design for a simple travel risk mobile application in which the user may enter a desired time and destination and either enter different travel modes or have these calculated by existing applications which already do this; the application would return comparative risk figures for the different travel options».

# 3. Optimized SPARQL performance management via native API

Project roster page: [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014\\_Hackathon\\_OptimizedSPARQLviaNativeAPI](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014_Hackathon_OptimizedSPARQLviaNativeAPI)

Team 4 participants from Russia and USA. Team leads: [VictorChernov](#)

Results: «Before we started these experiments, we had the belief that RDF databases are slow. The experiments revealed that RDF databases are developing and performance is growing. For example, query 20 and further results show that RDF storages perform fast and can compete with SQL databases. In future we plan joint testing of SQL and RDF databases».

Problem: impossibility of providing vendor representatives on actual event lead to vendor complains about tuning of their products for benchmark runs.

# 4. Ontohub consolidation

Project roster page: [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014\\_Hackathon\\_OntohubConsolidation](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014_Hackathon_OntohubConsolidation)

Team: 10 participants locally and 1 remote. Team Lead [TillMossakowski](#)

Results: from 22 open issues for milestone “FOIS Competition” to only 4 (<https://github.com/ontohub/ontohub/issues?milestone=12&state=open>). «One particular nasty bug (<https://github.com/ontohub/ontohub/issues/576>), in the analysis of which we already had invested a lot of time, could be solved with a one-liner; this probably only was possible through so many people working together for a whole day».

# 5. Semantic Annotation of the Ontology Community Environment (SAOCE)

Project roster page: [http://ontology.cim3.net/cgi-bin/wiki.pl?OntologySummit2014 Hackathon OntologySemanticAnnotations](http://ontology.cim3.net/cgi-bin/wiki.pl?OntologySummit2014HackathonOntologySemanticAnnotations)

Team: 9 participants. Team lead: [KenBaclawski](#)

Results: <https://github.com/baclawski/saoce> (test website: <http://ontology-test.cim3.net/wiki/WikiHomePage>).

# 6. An ontological catalogue of ontology and metadata vocabulary characteristics relevant to suitability for semantic web and big data applications

Project roster page: [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014 Hackathon OntologicalCatalogue](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014HackathonOntologicalCatalogue)

Participants: 5 from USA and Malaysia. Team lead: [AmandaVizedom](#)

Results: <https://github.com/vocref/vocref> (both ontology files and issues). «Many representations and concepts related to ontologies and evaluation, from a variety of sources, were considered and weeded out (as, for example, out-of-scope or specific to the assumptions and focus or their original context, or of dubious quality in one way or another). As a result, we arrived at a satisfyingly solid vocref-top, where work will continue».



# What next

- If you have any questions, please get in touch. You can use the Ontology Summit List ([ontology-summit@ontolog.cim3.net](mailto:ontology-summit@ontolog.cim3.net)) and wiki ([http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014 Hackathon CommunityInput](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014%20Hackathon%20CommunityInput)) or contact the Hackathon organizers.
- Current state of affairs you can see at [http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014 Hackathon](http://ontolog.cim3.net/cgi-bin/wiki.pl?OntologySummit2014%20Hackathon) roster and individual project pages that linked from this page.
- **See you on Ontology Summit 2015!**

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