

**International Association for Ontology and
its Applications (IAOA)**

**Semantic Web Applied Ontology
Special Interest Group (SWAO SIG)**

**Ontology Summit 2014 Symposium
April 29, 2014**

Leo Obrst (MITRE), IAOA Executive Council Liaison to SWAO SIG

IAOA SWAO SIG Co-Chairs:

Michael Bennett (Hypercube Ltd.)

Andrea Westerinen (Nine Points Solutions, LLC)

Elie Abi-Lahoud (University College Cork – Ireland)

Semantic Web Meets Applied Ontology

- There is a large common ground between the Semantic Web (and Linked Data) and the Applied Ontology (largely focused on ontological analysis) communities in terms of their perspectives on ontologies
- ***The Semantic Web community*** emphasizes:
 - Gaining traction/adoption of semantic technologies on the WWW, and exposing data
 - The employment of a bottom-up approach
 - Much of the use of SW technologies, however, occurs not on the open Internet, but on Intranets closed off to more widely distributed communities and issues
 - In general, these Intranets require more precise ontologies primarily because they have more specialized use cases for ontologies, some of which require more precise automated reasoning
- ***The Applied Ontology community*** uses Semantic Web technologies, but often in Intranets, where the domain requirements are more precise, and often require more complex automated reasoning

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**Sound familiar?
Yes, it should.**

**We kicked off the IAOA SWAO SIG in
November, 2013.**

**It was input into the themes considered
for Ontology Summit 2014.**

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automated reasoning

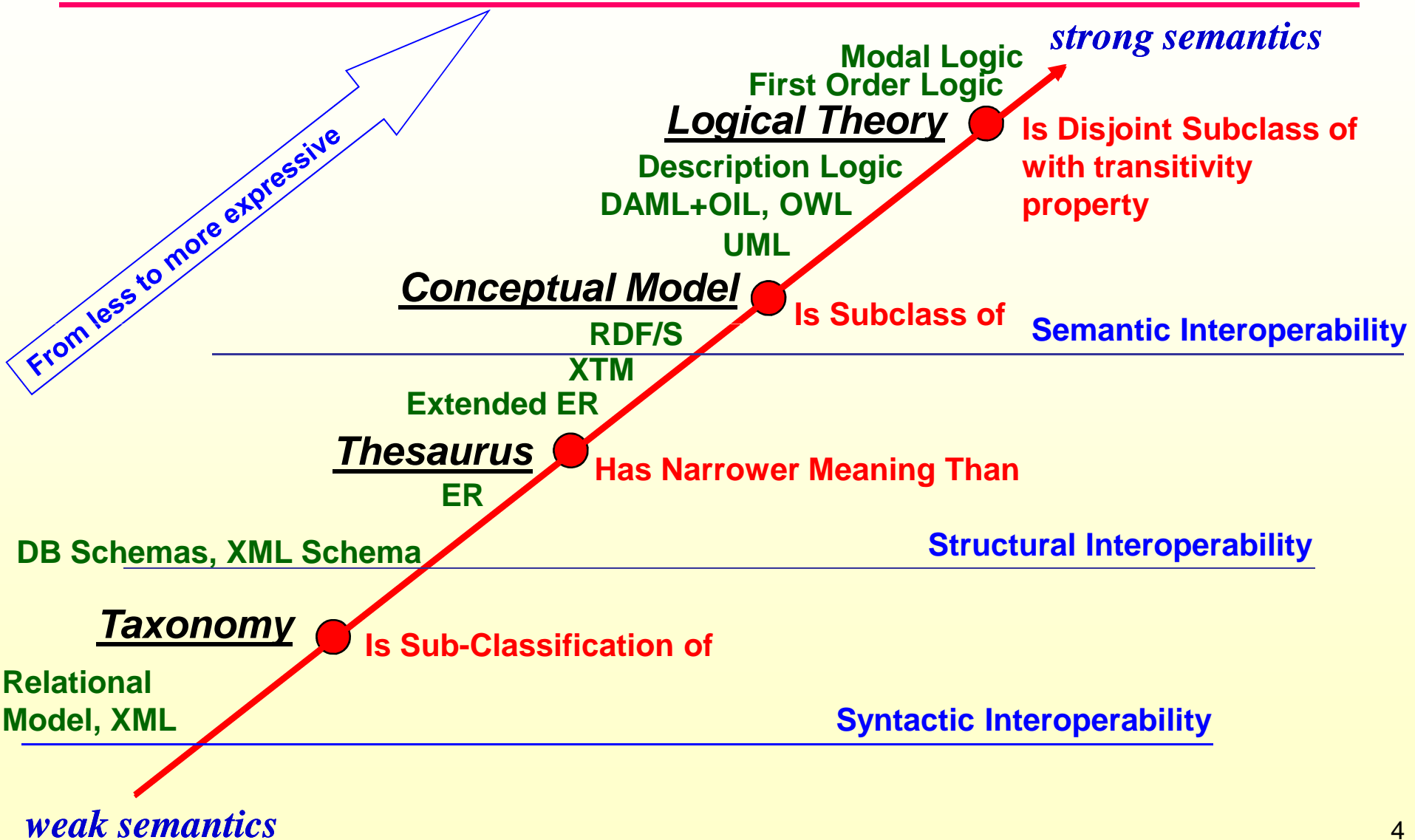
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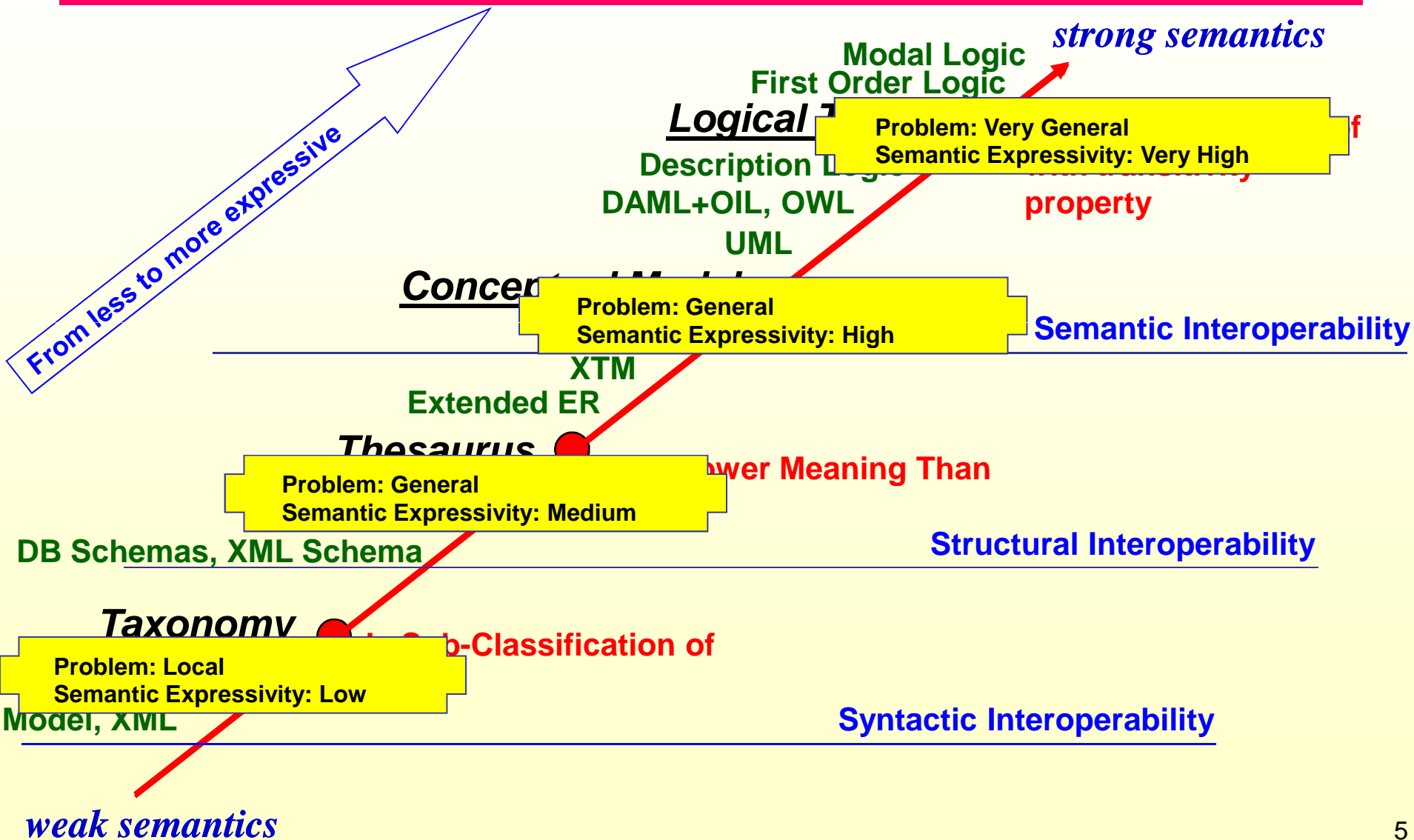
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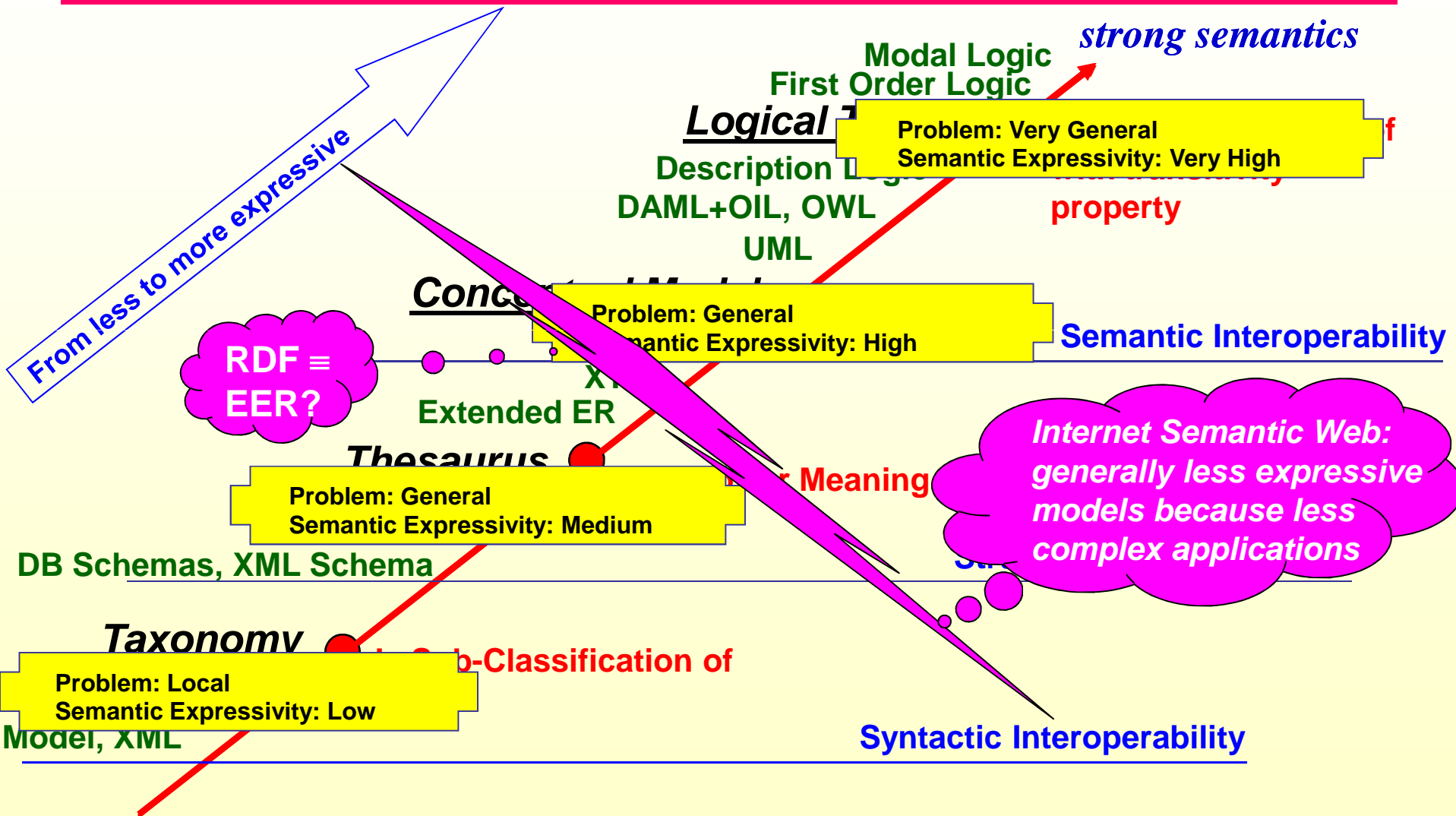
Ontology Spectrum: Range of Models



Ontology Spectrum: Generality & Expressiveness

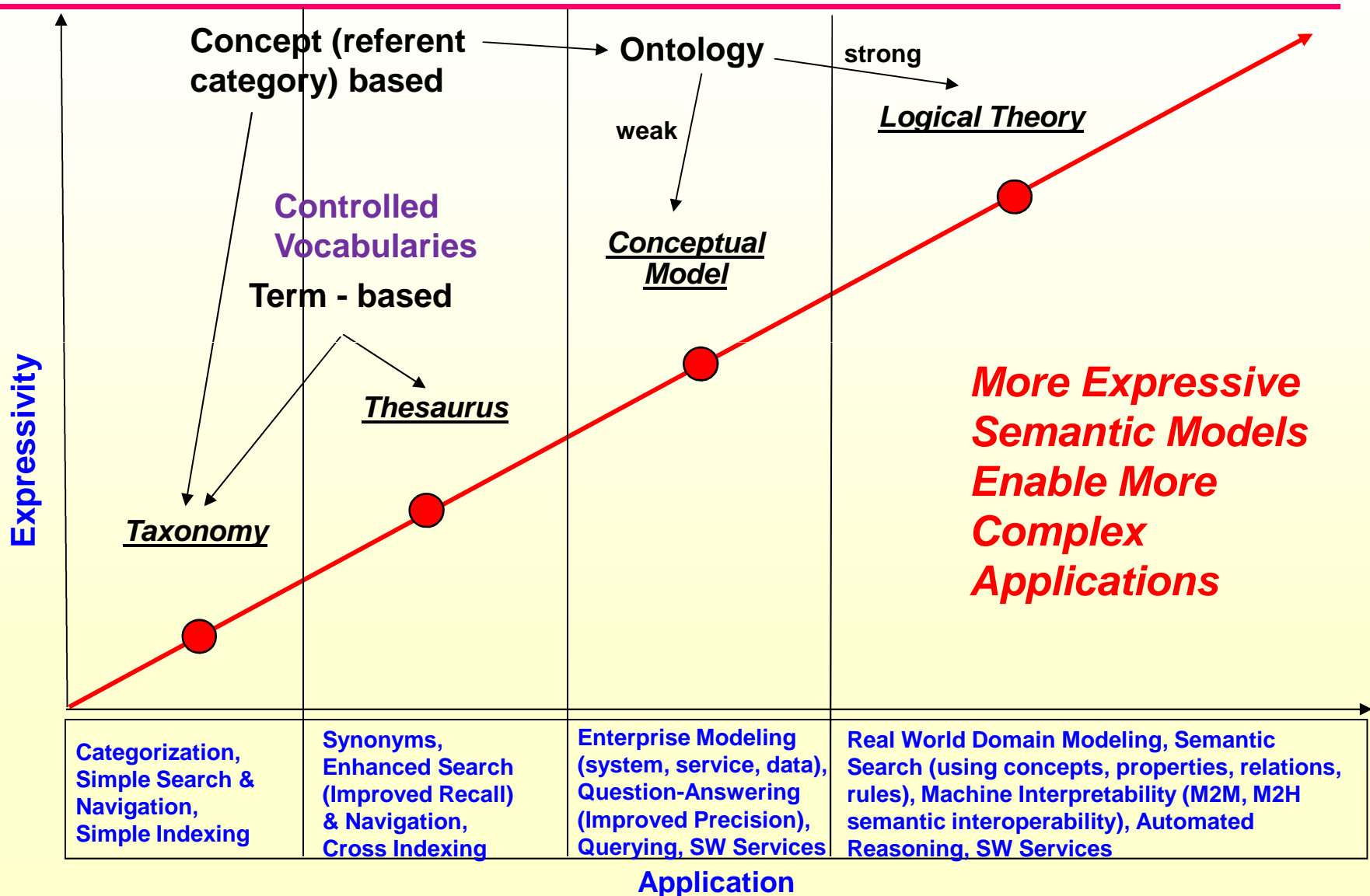


Ontology Spectrum: Generality & Expressiveness

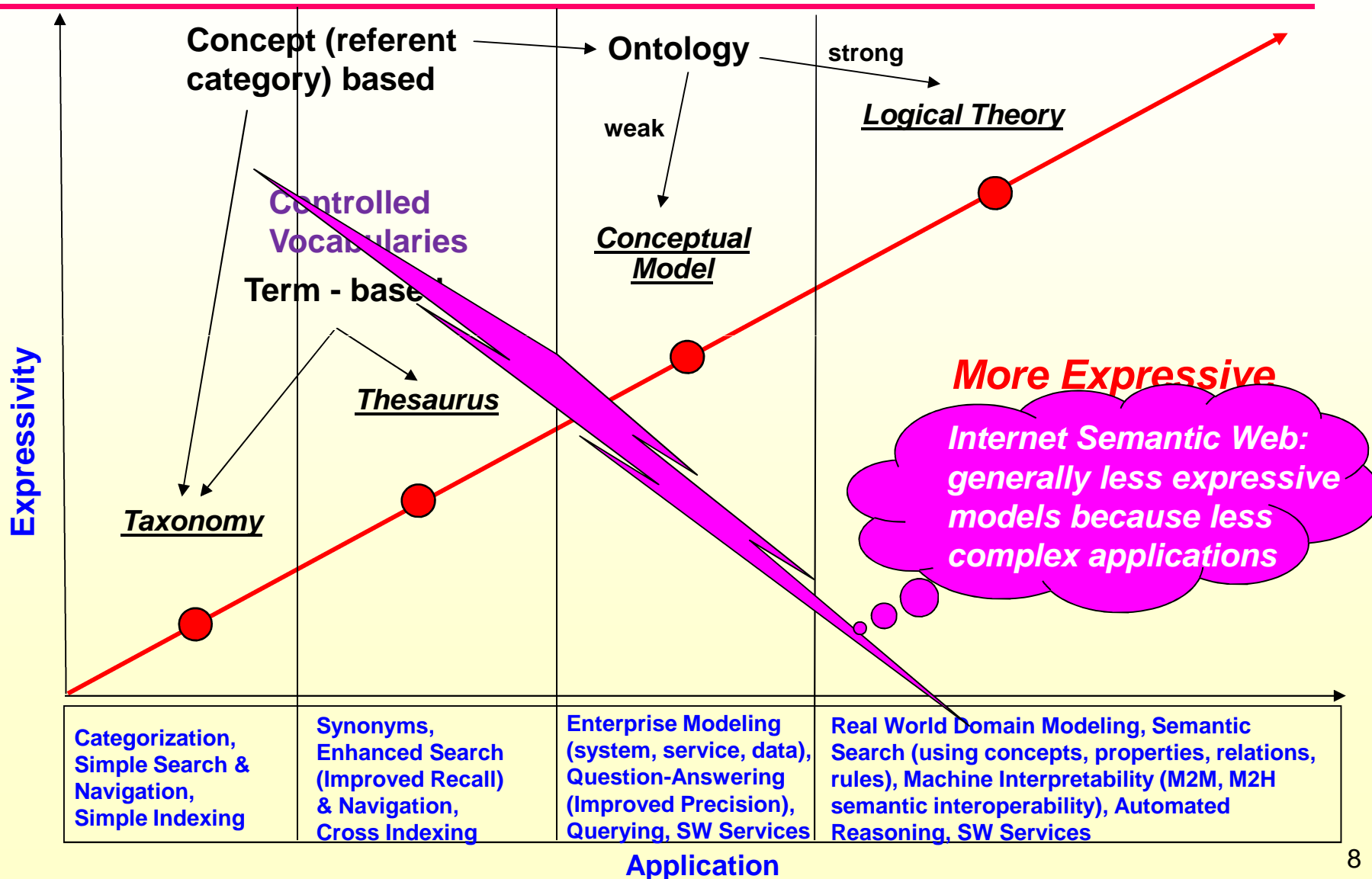


weak semantics

Ontology Spectrum: Application

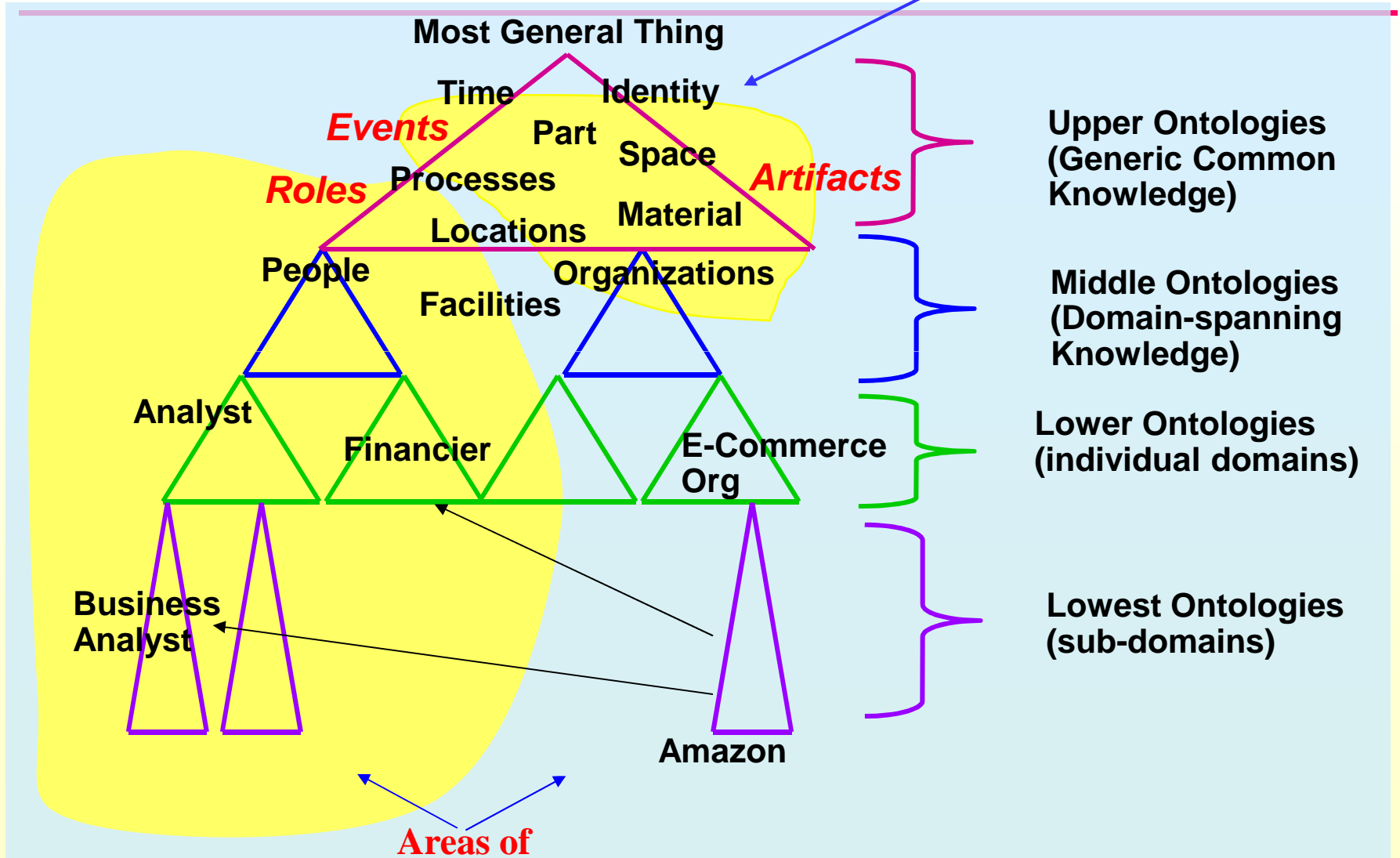


Ontology Spectrum: Application



Upper, Middle, Domain Ontologies

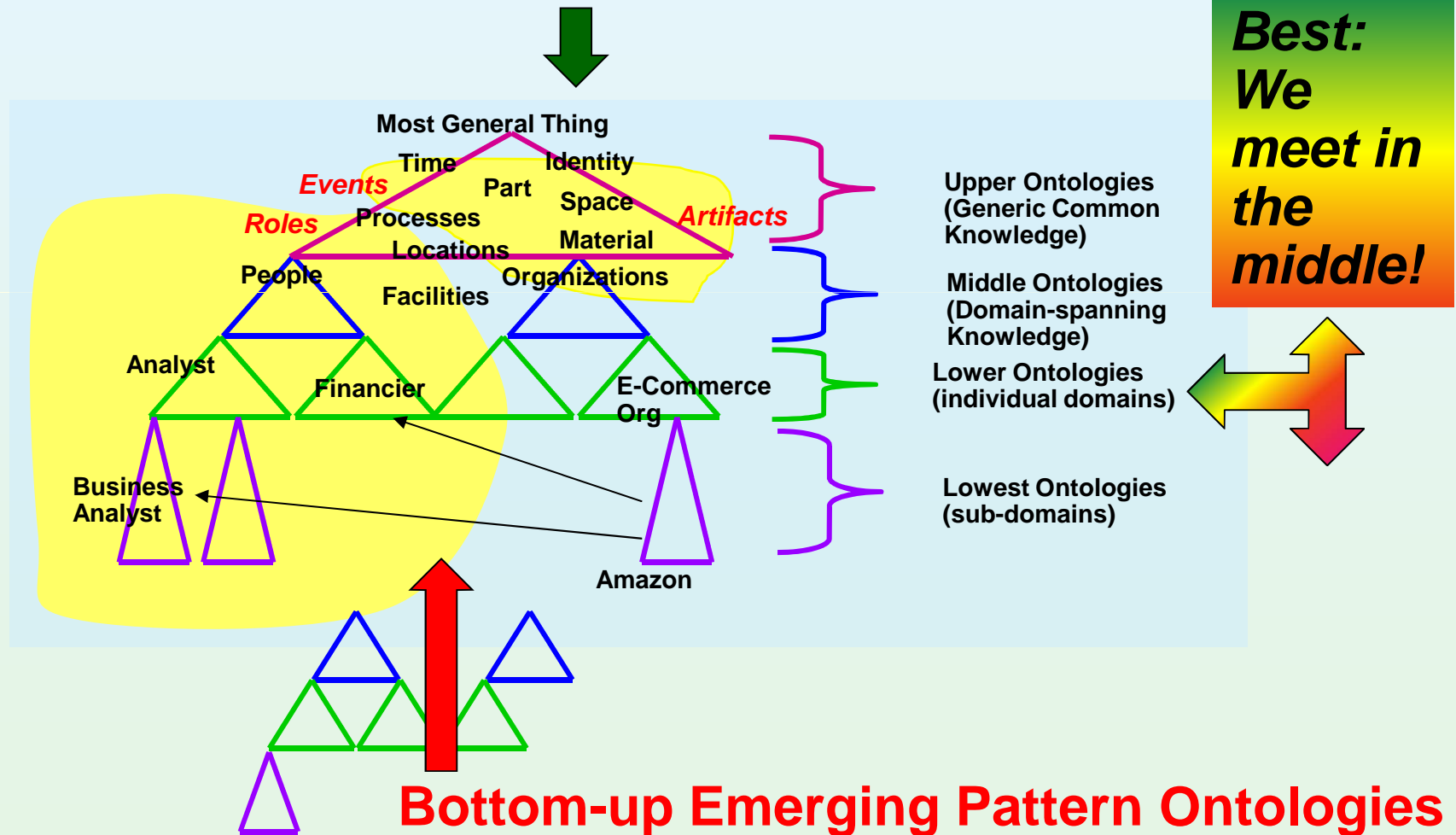
But Also These!



Areas of Interest

Upper, Middle, Domain Ontologies & Bottom-up Mid-Level Ontological Patterns

Top-down Analytical Ontologies



IAOA SWAO

- Join!
 - Join the [IAOA](#)
 - Join the [IAOA SWAO SIG](#) as either an IAOA member or not
- Co-Chairs:
 - Andrea Westerinen (Nine Points Solutions, LLC)
 - Elie Abi-Lahoud (University College Cork – Ireland)
 - Michael Bennett (Hypercube Ltd.)
- [SWAO Mission](#)
- Events, events, events!
 - Proposed ISWC 2014 Workshop: No go, but possible other venues!
- **Let's continue Ontology Summit 2014!**
 - **Workshop, Journal Issue, Book, more**