

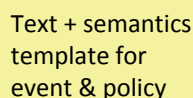
<sup>1</sup>Tetherless World Constellation, Rensselaer Polytechnic Institute, USA

<sup>2</sup> Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, USA

## Requirements

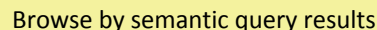
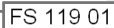
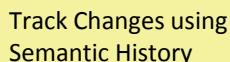
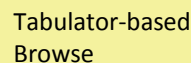
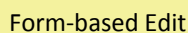
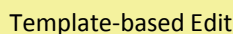
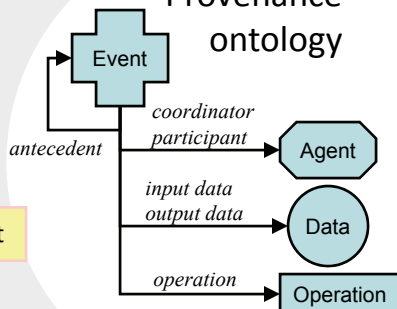
Collaborative policy and privacy projects may benefit from a testbed infrastructure that can:

- ❑ support distributed scenario development
- ❑ support balance between text (latent semantics) and semantic annotations (explicit semantics)
- ❑ synchronize the text version and the Semantic Web version of scenario data upon change
- ❑ help users effectively browse, locate and debug scenario data using annotated semantics
- ❑ be adaptive to new privacy and policy scenarios



# Semantic MediaWiki & Extensions

## Provenance ontology



## Technical Highlights

- ❑ Our testbed is suitable for hosting evolving TAMI scenario data
- ❑ Future work will add policy editing and management functionality

- ❑ Semantic Wiki-based online collaborative environment
- ❑ Ontology driven semantic templates and forms
- ❑ Semantically-enhanced browsing of scenario data
- ❑ Enhanced options for publishing semantic content
- ❑ Hypothetical testing support via semantic history

demo: <http://tw.rpi.edu/proj/tami/>

- [1] Daniel J. Weitzner, Hal Abelson, Tim Berners-Lee, Chris P. Hanson, Jim Hendler, Lalana Kagal, Deborah L. McGuinness, Gerald J. Sussman, K. Krasnow Waterman. **Transparent Accountable Data Mining: New Strategies for Privacy Protection** Proceedings of AAAI Spring Symposium on The Semantic Web meets eGovernment, 2008
- [2] Lalana Kagal, Chris Hanson, Daniel Weitzner. **Integrated Policy Explanations via Dependency Tracking**. IEEE Policy 2008.

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