Panel:
Linked Data: Now What?

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SONIC

Advancing the Science of
Networks in Communities

Mashing data

- All social network data can be represented as file triples

- Common framework to "mash" network data from diverse sources

- Performance challenges (circa 2005)

Querying data

- Look for "structural signatures" – A is friends with B who is cited by C who is an expert on X

- Use "structural signatures" to make recommendations. Recommend that A contact C because …..

- Performance challenges

Reasoning about data

- If C is an expert on X and Y is a sub-speciality of X, then C is an expert on Y

Gains for Social Network Research

- Larger amounts of data

- Higher resolution data

- Longitudinal data

- Mashing data

- Querying data

- Reasoning and inference over data

Gains for Semantic Web community

- Making recommendations motivated by social network theories

- Making recommendations motivated by social network analytic methods

- Identification of killer applications

Untested Conjecture

- Exposing Linked Data has gone past the Tipping Point.
- But where are the applications using Linked Data?

While Linked Data is proliferating, the killer application will require the addition of the "social" into the data

- The case of PopSciGrid:
  - Analyzing same variables across diverse data sources
  - Recommending workflow, datasets, documents and people

Semantic Web Integration Initial Test Bed