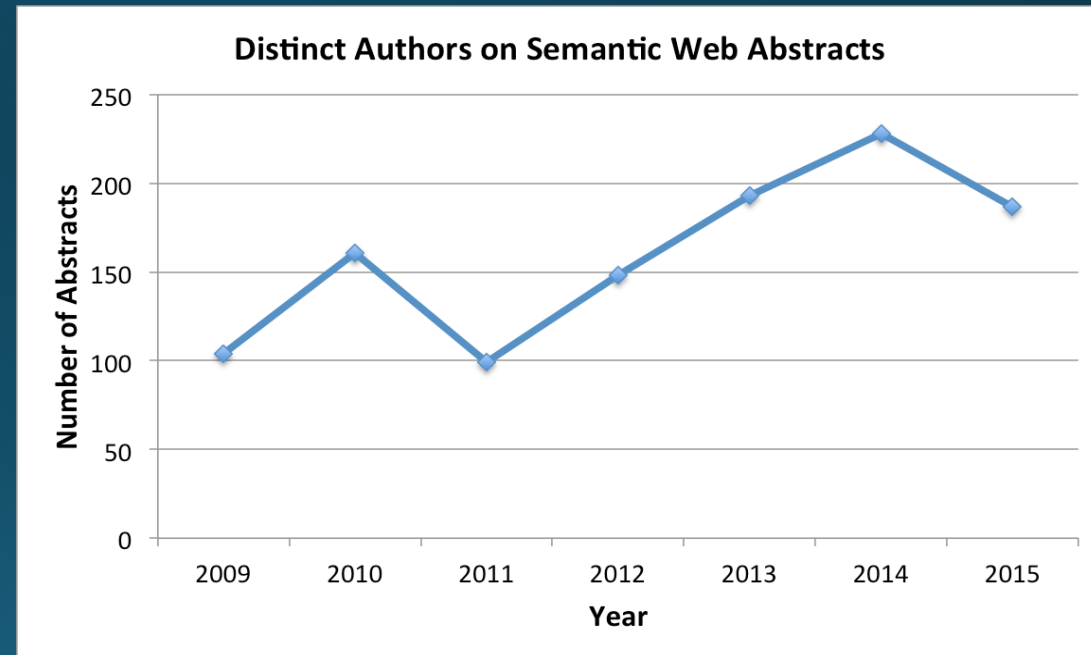
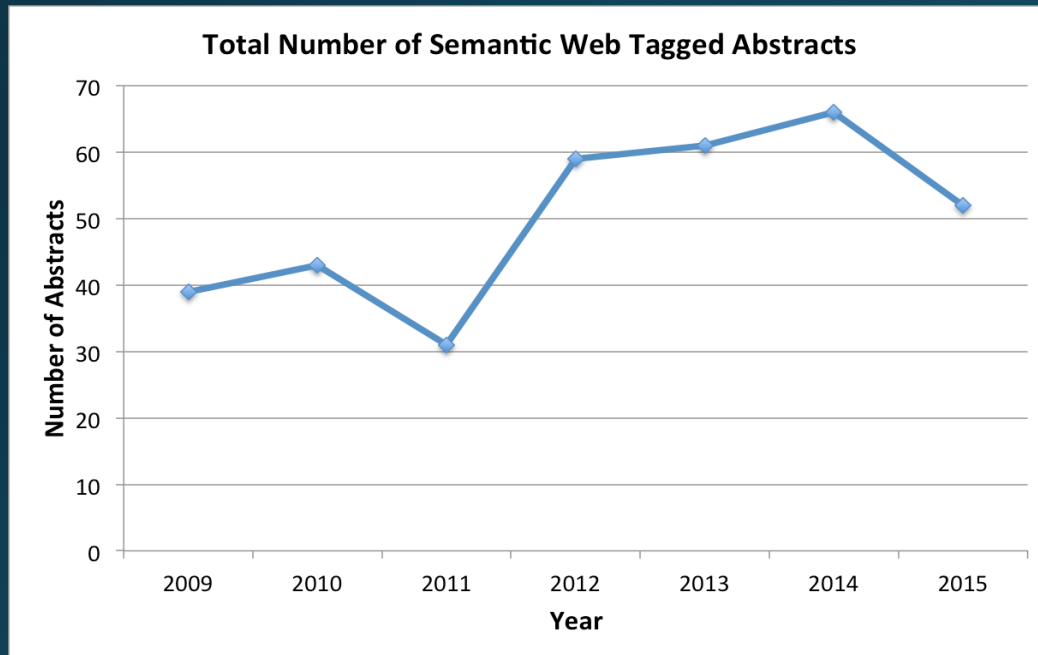


ESIP Winter Meeting 2017

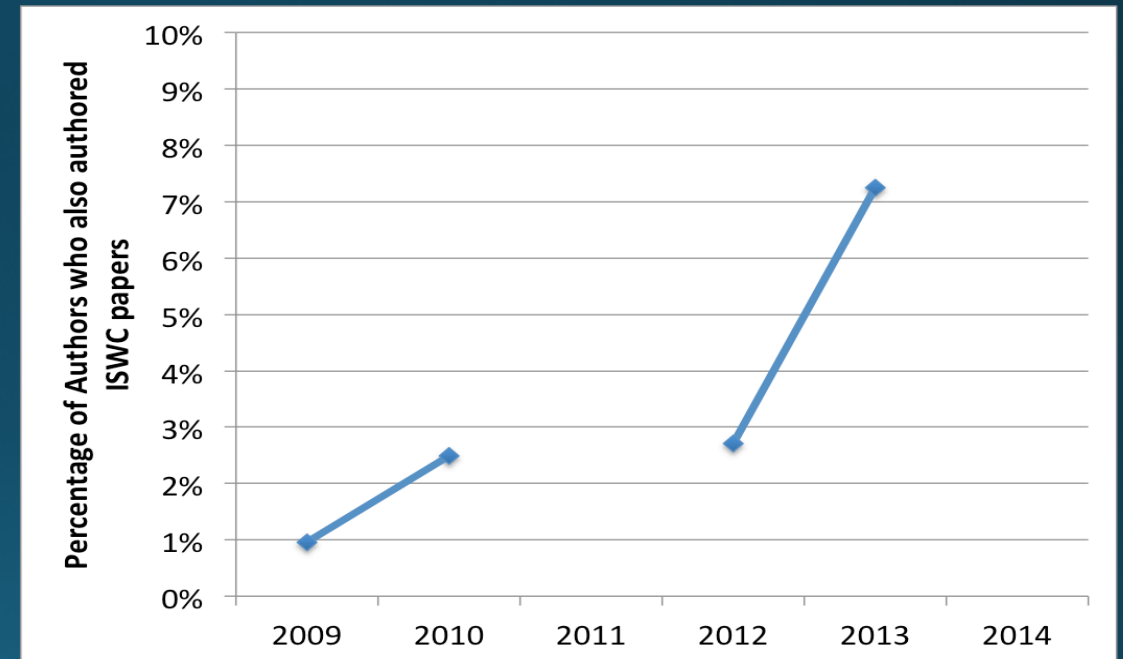
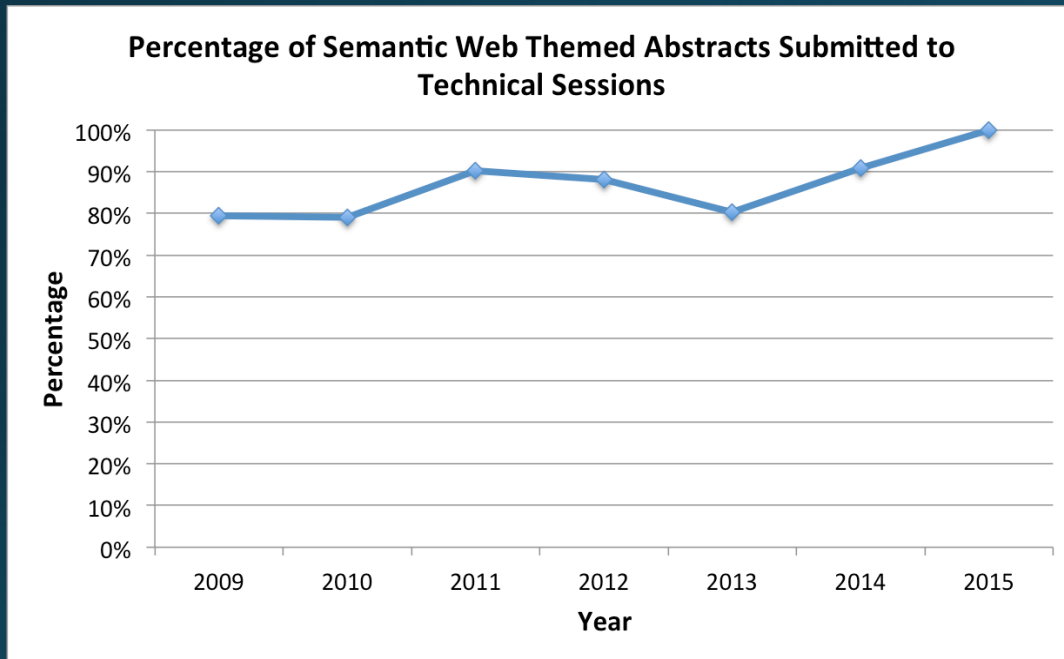
GeoSemantics Panel

Where is the semantic geoscience community?



- Source: Narock and Wimmer (2016), <https://authors.elsevier.com/a/1UFjWMMTPPJEp>
- <http://dx.doi.org/10.1016/j.cageo.2016.12.008>

Where is the semantic geoscience community?



- Source: Narock and Wimmer (2016), <https://authors.elsevier.com/a/1UFjWMMTPPJEp>
- <http://dx.doi.org/10.1016/j.cageo.2016.12.008>

Where is the semantic geoscience community?

1. There are indications that semantic geoscience research is in the technical development and evaluation phase *with limited production systems in domain science*
2. Overlap between AGU (geoscience) and ISWC (broader Semantic Web community) is minimal; yet, an upward trend is evident
3. The semantic geoscience community is currently focused on lightweight semantics and integration of scientific datasets
 - a. Few advanced topics in Sem Web research (i.e. logics and rules) have yet to make their way to the geosciences
 - b. Supports the notion that Semantic Web research results often take a long time before domain-specific uptake
 - c. Possibly leading to a noteworthy drag and, at worst, the adoption of outdated (or even failed) methods and paradigms

Is the sky falling?

- No
- Semantic geoscience is a new field and much of this is to expected
- Leadbetter (2015) - we were not “born semantic”
 - Our data systems predate the Semantic Web
 - We don't use Semantic Technologies throughout the data lifecycle from collection to dissemination.
- Quantifying this (to the extend possible) and regular check-ins across the broad community can focus us and provide a path forward

What would I like to see?

- A focused integration
 1. With the broader semantic web community (non-geo)
 2. With domain geo-scientists (What is the value proposition?)
- Increased communication across our respective groups
 1. A new web site?
 2. Slack?
 3. OSF preprint server?
- Some consolidation of resources

What can ESIP provide?

- Help with consolidation of resources
 - ESIP Ontology Portal (registry and repository)
- A forum for periodic meetups and community gatherings
 - A rotating community symposium?