

SSO Discussion Section

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Outline

- Spatial Ontology Community of Practice (SOCoP)
- NSF INTEROP grant
- Ways to participate in the INTEROP Network



Spatial Ontology Community of Practice (SOCoP)

- SOCoP was developed because of the:
 - Recognition of the **semantic** interoperability component of geospatial data
 - Realization of the potential of **ontologies** and formal representations to help solve semantic heterogeneity in geospatial data
- SOCoP officially began in Oct. 2006 after a June meeting at the National Science Foundation



SOCoP (www.socop.org)

- Membership in SOCoP is open to anyone
- Conference calls are held every month, currently on the 3rd Wednesday at 11:00 Eastern time
- Through an NSF INTEROP grant, we are expanding SOCoP to create a **larger Network**
- We invite those here to participate.



INTEROP – Spatial Ontology Community of Practice: an Interdisciplinary Network to Support Geospatial Data Sharing, Integration, and Interoperability

NSF Program: Community-based Data Interoperability Networks (INTEROP)



**SOCOP INTEROP
CYBERINFRASTRUCTURE**

Purpose of the SOCoP INTEROP Grant

- Apply and develop semantic technologies for the Geospatial domain
- Share ontologies to promote data interoperability
- Submitted by 8 members of SOCoP :
 - Gary Berg-Cross - Knowledge Strategies, Inc.
 - Nancy Wiegand - University of Wisconsin-Madison,
 - James Wilson - James Madison University
 - Mike Dean and Dave Kolas – Raytheon BBN Technologies
 - Naijun Zhou - University of Maryland College Park
 - Peter Yim - CIM Engineering, Inc.
 - John Moeller - JJMoeller and Associates



INTEROP Tasks - Overview

- Web presence – Wiki (www.socop.org)
- Workshops/meetings, in-person/virtual
- Prototypes or demos
- Create a geospatial ontology repository
- Educational component
- Basic research in geospatial data interoperability



Broaden the INTEROP Network

- Ways to Participate
 - Submit use cases
 - Submit an ontology to the OOR
- Workshops
 - SOCoP Workshop on Friday, Dec. 2, in the D.C. area (USGS in Reston, VA), no registration fee
 - Other workshops



Just past--Terra Cognita Workshop at ISWC
2011



Thank you!

