DERI in Agreement Technologies

Dr. Axel Polleres, DERI, NUI Galway
DERI’s Mission is
“to exploit semantics for
  – People
  – Organisations
  – Systems
to collaborate and interoperate on a global scale”

• Located at:
• Foundered June 2003 with 1 fulltime member
• Status September 2007: 107 members
• Research Areas:
  – Semantic Web, Social Networks, Web Services, Web Science, etc.

Strong network of industrial collaborators!
DERI has as its partners a list of companies spanning large multinational to early-stage companies. Funding for these collaborative projects comes from the companies, SFI, and Enterprise Ireland.
Activities:

DERI is actively involved in

- **EU funded projects**
  - Nepomuk, KnowledgeWeb, Dip, inContext, ecospace

- **Standardisation groups**
  - W3C SAWSDL WG (Semantic Annotations for WSDL)
  - W3C RIF WG (Rule Interchange Format)
  - W3C OWL WG
  - W3C Multimedia Semantics Incubator Group
  - W3C SWS-Testbed XG (Testbed Incubator Group)
  - W3C Semantic Web Deployment Working Group
  - W3C Semantic Web Education and Outreach (SWEO) Interest Group
  - OASIS Semantic Execution Environment (SEE) Technical Committee.
  - OASIS SOA Reference Model (SOA RM) TC The OASIS Service Oriented Architecture TC
  - OASIS Web Services Quality Model (WSQM) TC

More on DERI:  [http://www.deri.ie](http://www.deri.ie)
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Our background:

- Semantic Web and Semantic Web Services
- Agreement Technologies for the Web
- Semantic Alignment, Web Standards (WP1!):
  - Integration of Ontologies and Rules
  - Querying over distributed ontologies involving mapping rules and alignments
  - Alignment with existing Semantic Web standards
  - Obvious connections to WG4 and 5: alignments in open, contradicting environments such as the web need trust and negotiation.

- Strong industry collaboration
  - Interesting for “Agreement Technology Industrial Days”

etc. of course also strong interests in the other WPs (e.g. our data and research in online Social networks and “social semantics” could feed into WG2+3)