RuleML Status and Plans
- Overview -

Harold Boley, DFKI GmbH
Benjamin Grosof, MIT Sloan
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Said Tabet, RuleML Initiative
Gerd Wagner, U. Eindhoven

RuleML Workshop,
SIG2, Ontoweb3 Meeting
Chia Laguna, Sardinia
14 June 2002

RuleML

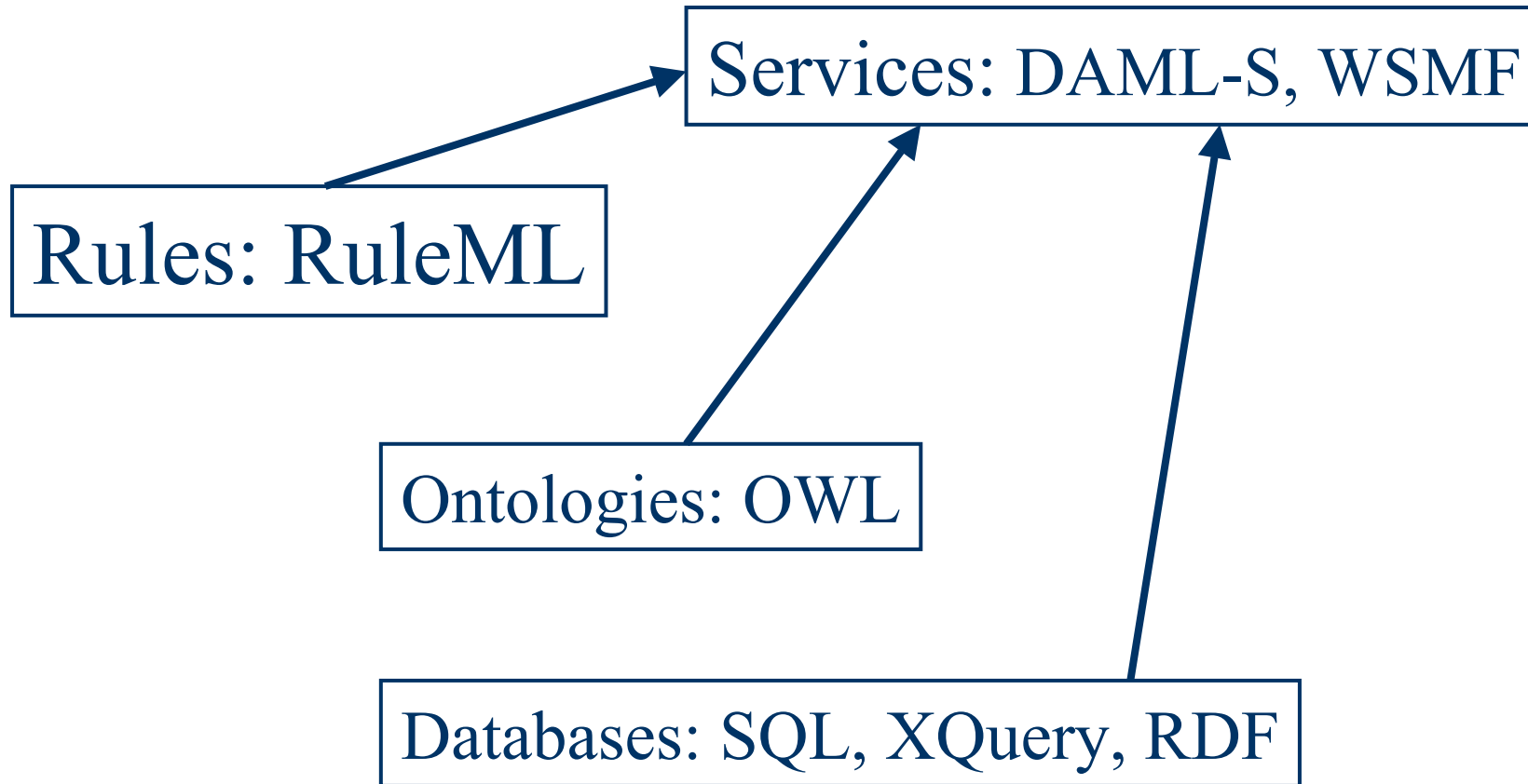**E-Business**

Semantic Web

Status (I)

- **28** [Participant Groups](#) around the world

- Current functional kinds (stable DTDs/Schemas):

    - derivation, query, transformation

- Planned functional kinds:

    - integrity checking (still regarded as special queries)

    - reactive behavior (currently as translators to, e.g., Jess)

- Multiple syntaxes: XML, RDF, DAML+OIL

- Tools (~10): engines, translators, editors

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Status (II)

- Based on declarative logic programs + extensions

- Current extensions:

  – URI's for predicates, constants, etc.

  – Negations: negation as failure & strong negation

  – Courteous: prioritized conflict handling

  – Situated: procedural attachments for actions & tests

- Planned extensions:

  – Modules

  – Events; ECA / production rules

  – More Webizing, e.g. procedural invocations

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Semantic Web and Web Services Use DBs, Onto's, and Rule Systems

Services: DAML-S, WSMF

Rules: RuleML

Ontologies: OWL

Databases: SQL, XQuery, RDF

Organizational Efforts

- **W3C Working Note**

- **Aim: W3C Working Group - 2003?**

  – **Relationship to RDF Query area**

- **Possible OASIS Policy RuleML Working Group**

- **Industry outreach: developers, executives**

  – **Events: e.g. WWW2003**

- **W3C BOF F2F, Boston, March 2003**

- **ISWC'03, October 2003**

RuleML Subgroups

- **Reaction Rules (Started: Dagstuhl Seminar)**
  - **Leads: Gerd Wagner & Steve Ross-Talbot**
- **Ontology Combo (Started: here)**
  - **Leads: Benjamin Grosof & Andreas Eberhart**
- **Defeasible Rules (Started: here)**
  - **Grigoris Antoniou & Michael Schroeder**

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Further Sardinia Events

- **Tonight 20:00 'RuleML Dinner' at the usual place (Ristorante Bouganville)**
  - 'Round Table' on reaction rules
  - 'Round Table' on ontology combo
  - 'Round Table' on defeasible rules

- **Tonight 21:00 RuleML BOF Meeting Lets meet at Bouganville terrasse (patio)**

- **Tomorrow 9:00 RuleML Working Groups Lets meet at Bouganville terrasse (patio)**

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Conclusions

„RuleML:

The Semantic Web Rules"

If you are not yet a RuleML Participant please send an email to Said and Harold

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