

# RuleML Status and Plans - Overview -

**R**  
**u**  
**l**  
**e**  
**M**  
**L**

**E-Business**

**Semantic Web**

Harold Boley, DFKI GmbH  
Benjamin Groszof, MIT Sloan  
Steve Ross-Talbot, Enigmatec Corp  
Said Tabet, RuleML Initiative  
Gerd Wagner, U. Eindhoven

[RuleML Workshop,](#)  
[SIG2, Ontoweb3 Meeting](#)  
Chia Laguna, Sardinia  
14 June 2002

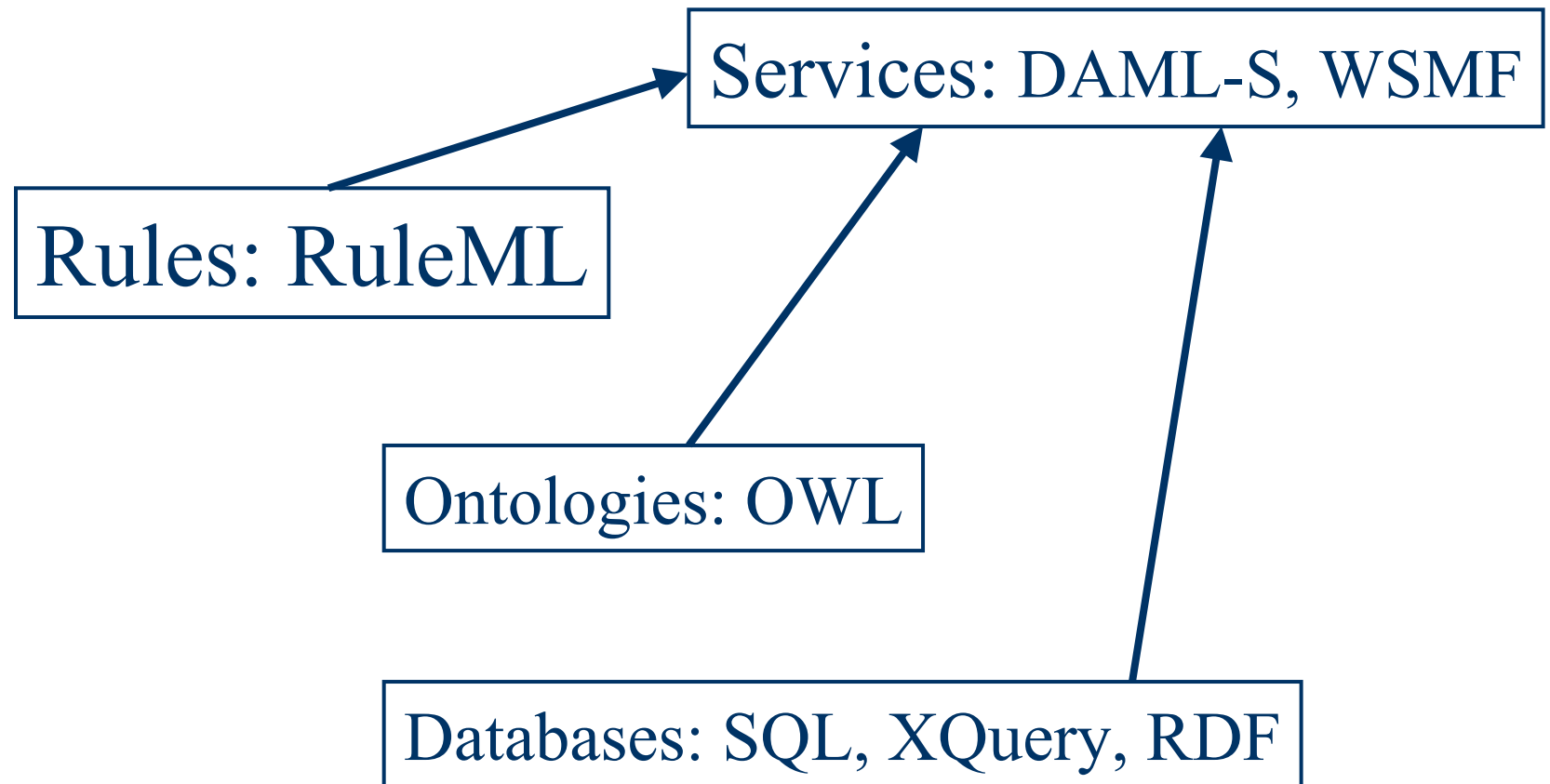
# Status (I)

- **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

## 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

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



# 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 Grosf & Andreas Eberhart
- **Defeasible Rules (Started: here)**
  - Grigoris Antoniou & Michael Schroeder

## 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)**

## Conclusions

„RuleML:

The Semantic Web Rules“

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