EC Semantic Web Research Current Activities

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DG Information Society and Media

Directorate E « Content »

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Range of EC support

- Foundational research
- Algorithms
- Tools
- Toolkits
- Frameworks
- Federated deployment
- Methodologies
- Validation

Lifecycles and integration

- Knowledge is expensive to
  - Capture
  - Manage
  - Map
  - Search
  - Reason with
  - Distribute

Interdisciplinarity

- Economics, organisational studies
- Linguistics
- Machine learning
- Multimedia analysis
- Software engineering

Application domains

- Knowledge is expensive but ignorance more so:
  - Data integration in lifesciences, GIS, procurement
  - Reasoning in science, enterprise
  - Modelling in science, multimedia production

Some problems solved, many still open

- **Almost solved**
  - Information extraction for restricted domains
  - Standards and basic infrastructure

- **Much more work needed**
  - Semantic Web usability
  - Scalability
  - Decentralisation and interoperability
  - Situatedness