Demonstration: Knowledge-Enabled Research Infrastructure

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The ReSIST Project is an EU-funded Network of Excellence with 16 partners, which began in January 2006, running for 3 years.

The task here is to provide knowledge-enabled:
- infrastructure support for the project
- future support for Resilient-Explicit Computing

Knowledge is gathered from a wide range of sources (50,000,000 triples).

A variety of ontologies are used to mediate between them.

Bespoke acquisition has been provided.

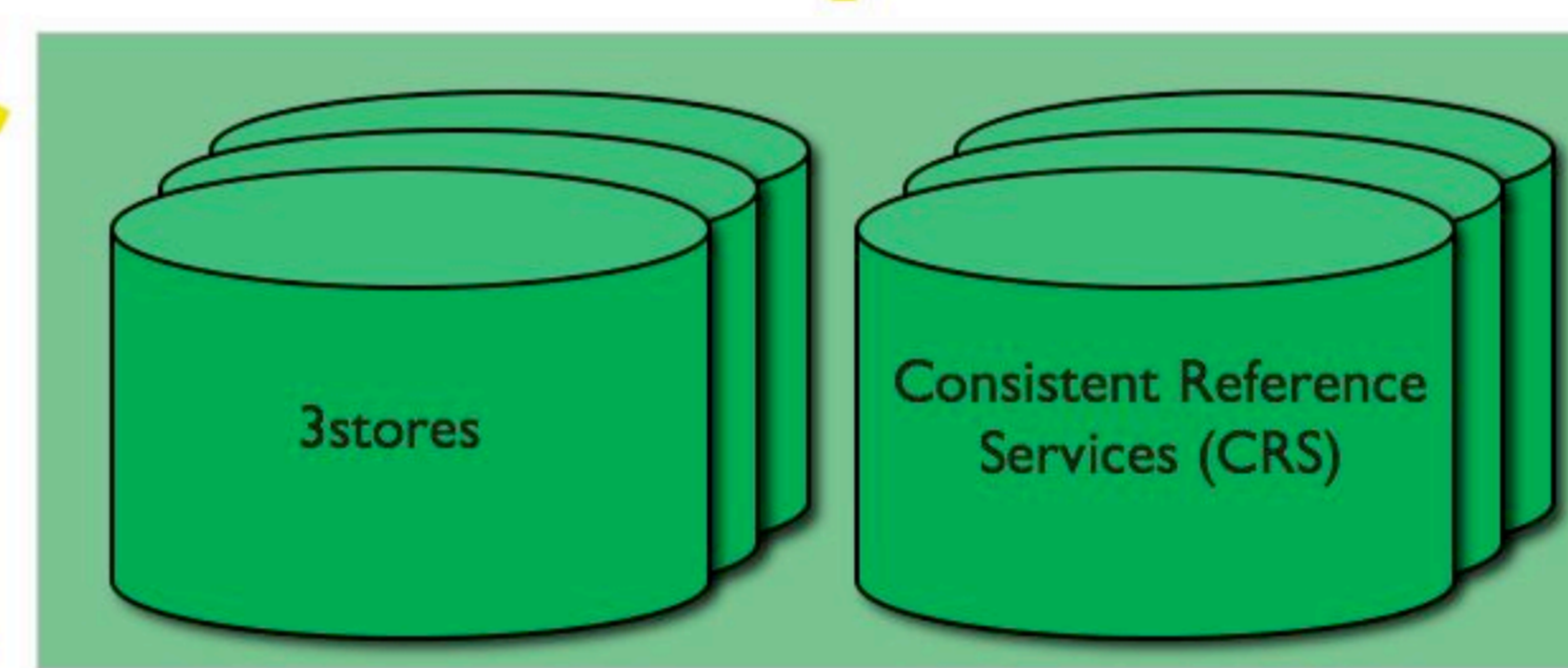Automatic tools allow the knowledge to be used as an integrated whole.

The knowledge is published using a variety of techniques, including:
- novel faceted browser
- co-reference resolver
- Google maps, forms, wiki
- SPARQL endpoints

Browser

Mapping

Wiki

Open access

Forms

3stores

Consistent Reference Services (CRS)

Conversion & Versioning

Ontologies

AKT, Resilience, Courseware, RISKS, ACM

Citeseer, CORDIS, DBLP, ReSIST Partners, NSF, ACM, IEEE, RISKS, UN LoCode, …

Information Society Technologies

SIXTH FRAMEWORK PROGRAMME