# Strategies for Realizing the Semantic Web

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## How to make the semantic web a reality

#### Infrastructure

- Language
- Manual annotation tools (MnM)
- Automatic extraction of semantic content
  - (MnM, Melita, Armadillo, OntoMat))
- Tools for specification, use and debugging of Semantic Web Services
  - IRS-II

### Basic Functionalities

- Ontology-enhanced Search
  - Semantic Google
- Brokering and automatic composition of semantic web services

## Killer Applications

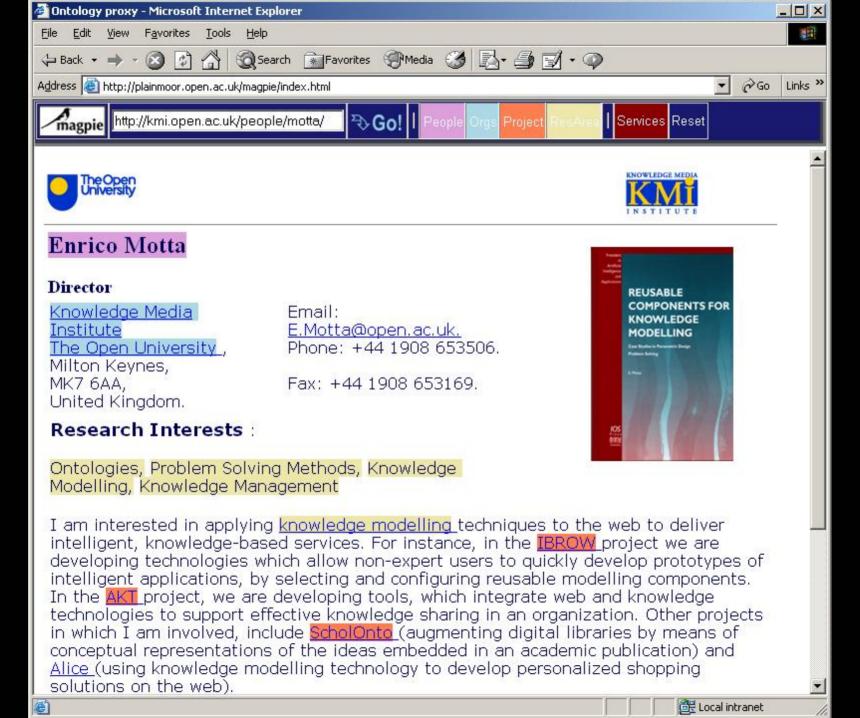
 E-commerce, personal agents, pervasive semantic web services, groupware, tele-presence, e-science

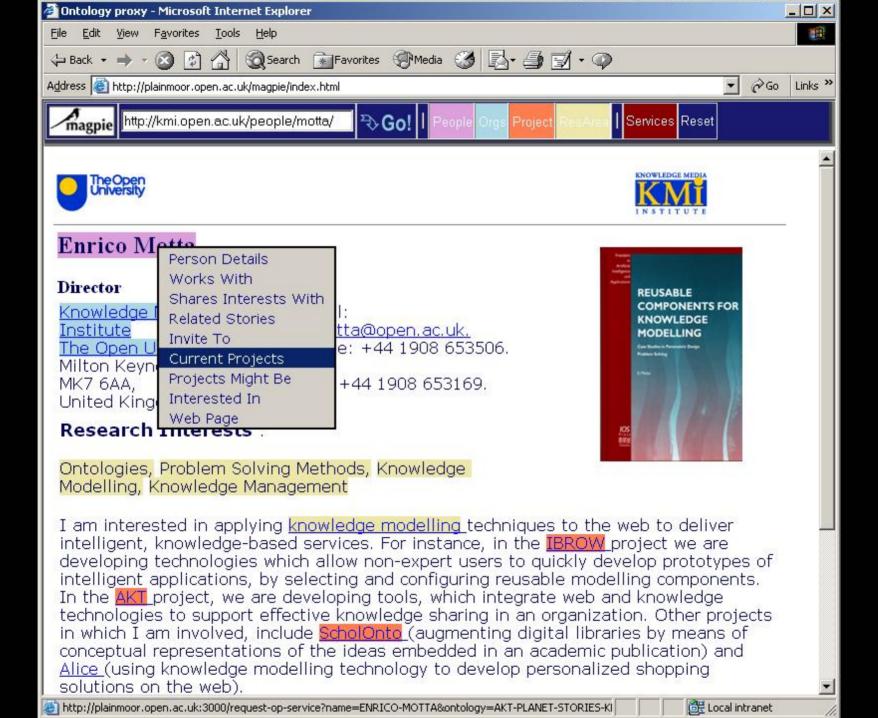


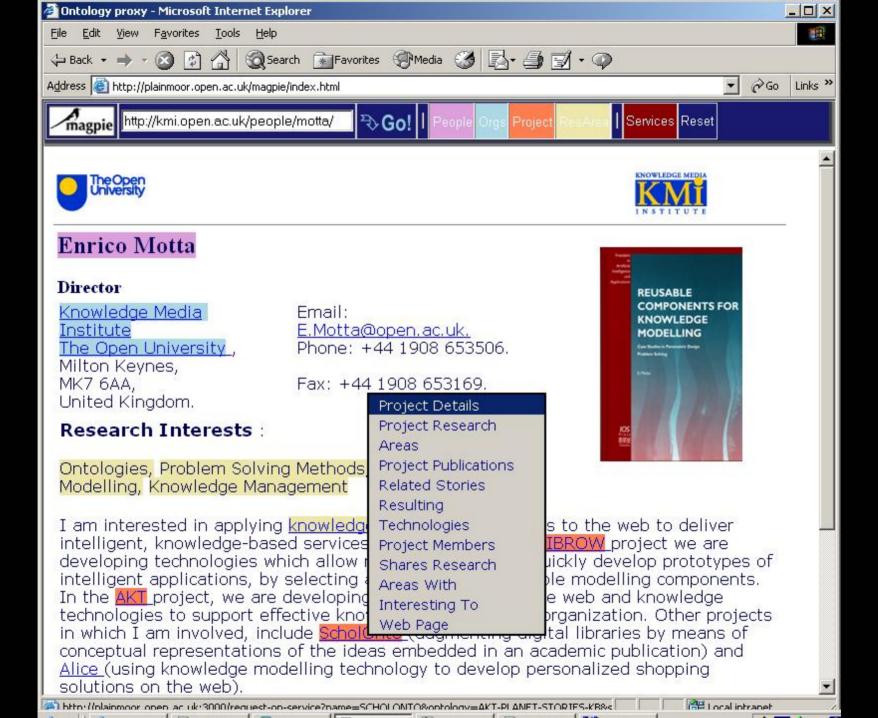
## Something else

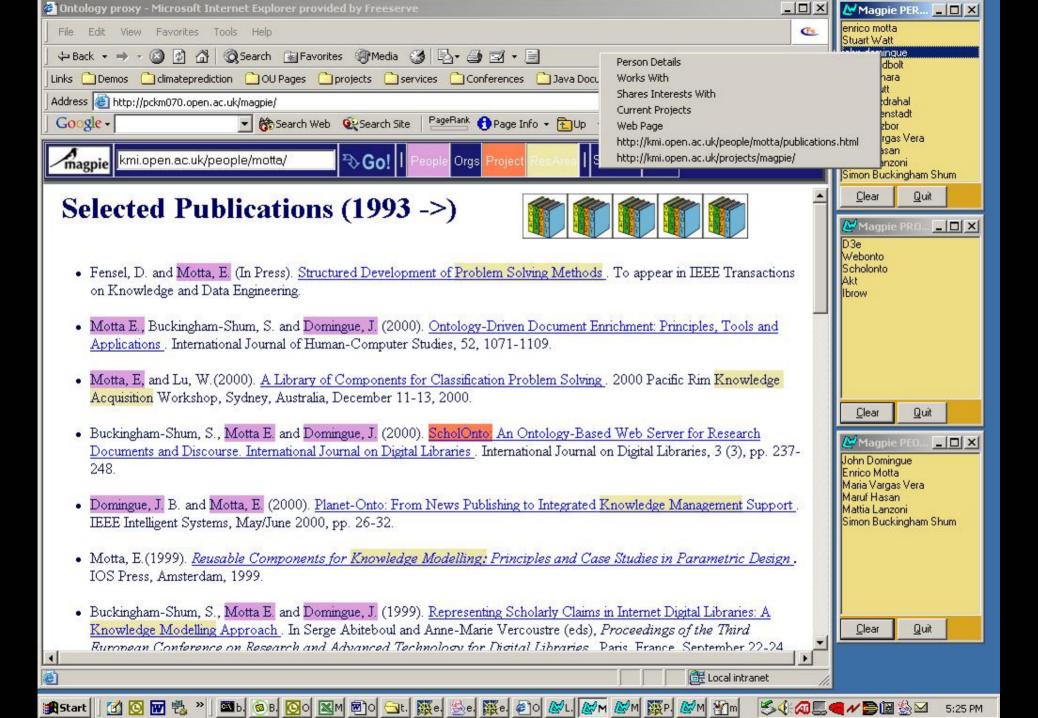
- Build tools which help (or force) people to think semantically
- Browsing -> Semantic Browsing

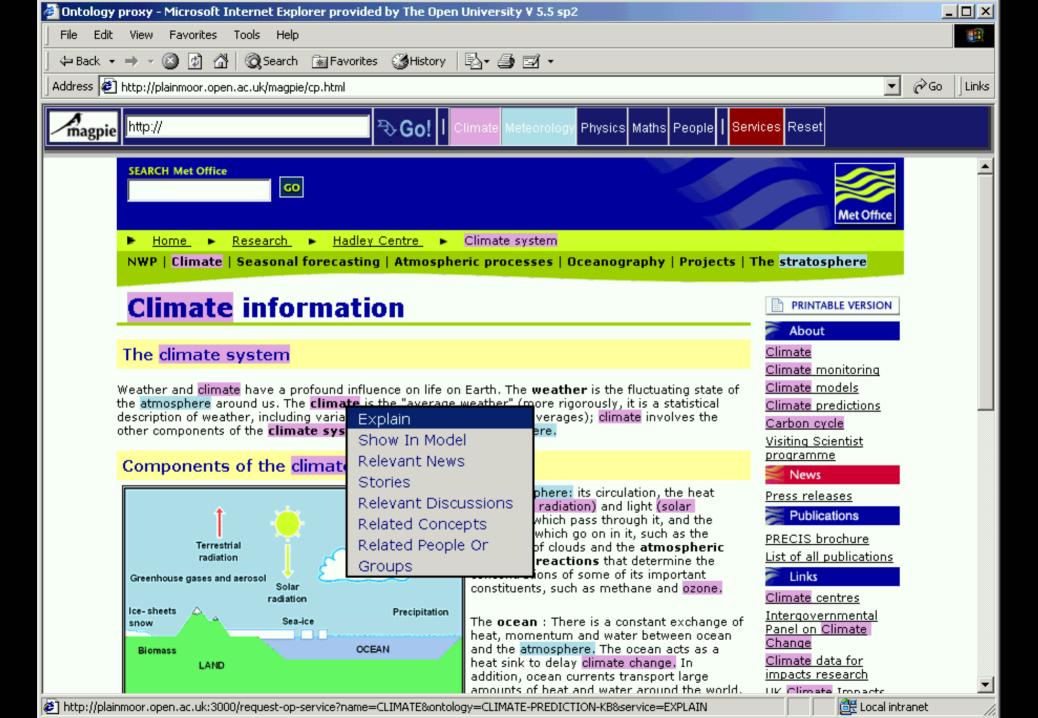


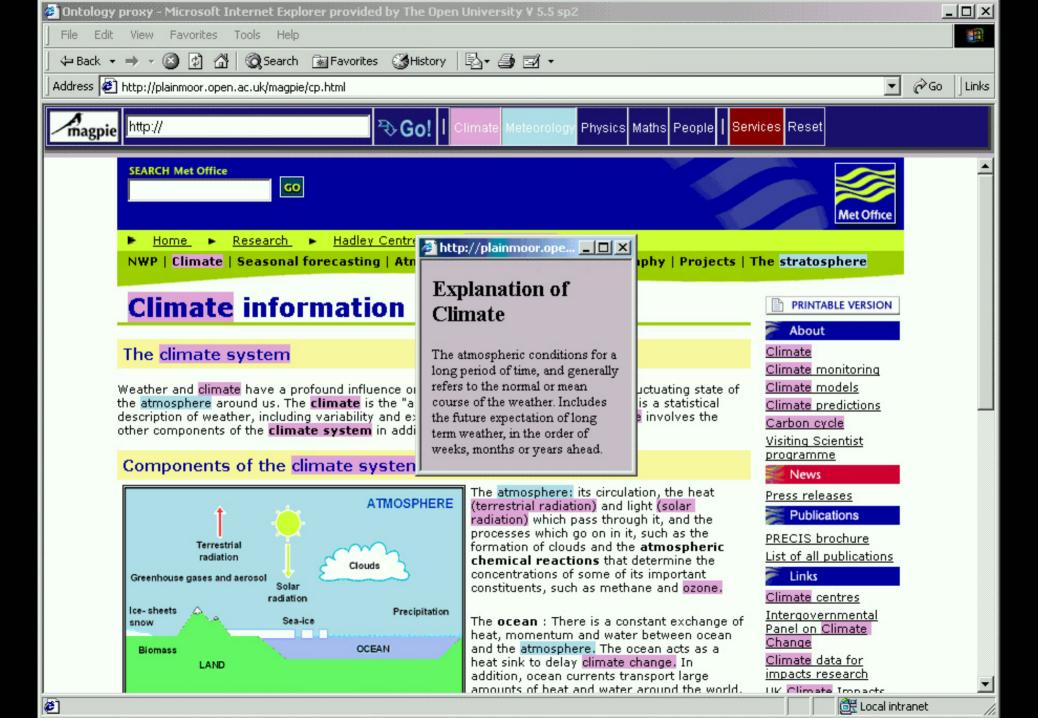












## Key features of approach

- New way to browse and interpret web content
- New framework for constructing web sites
- Ubiquitous integration of semantic web services
- Can make use of both on-the-fly markup and pre-existing annotations
- Semantic functionalities packaged as a noextra-cost, no-extra-cognitive-overhead for users cost for users



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