



Welcome to the Semantic Web Tutorial

John Domingue

The Internet has ...

1/2 billion hosts (IP addresses)

1.17 billion users

or 17.8% of the world's population

The Web has ...

109 million distinct web sites

29.7 billion web pages

~5 pages for every man, woman, and child on the planet

7.2 billion Web searches/month
(3.9 billion by Google) far exceed
the world population

**161 exabytes (10⁸ TB) of
information was created or
replicated worldwide in 2006.**

**That's more than in the
previous 5,000 years.**

IDC estimates
6X growth by 2010 to
988 exabytes (a zetabyte) / year

New technical information
doubles every 2 years.

... every 72 hours
by 2010.

“Web Scale Semantics”

“Web 3.0”

“Computer Science 2.0”

Background History



- OntoWeb
 - European Network of Excellence
 - Finished in 2004
- KnowledgeWeb
 - European Network of Excellence
 - Will end in 2008
- Five summer schools
 - 2003 - 2007



Who



Jim Hendler



Fabio Ciravegna



Sean Bechhofer



Natasah Noy



Jérôme Euzenat



Aldo Gangemi



Asunción
Gómez-Pérez



Enrico Motta



John Domingue



David Martin

Today's Agenda



- 09:00 | Introduction and Overview to the Semantic Web - Jim Hendler
- 09:45 | An Introduction to OWL - Sean Bechhofer
- 10:30 | *Coffee Break*
- 11:00 | Ontology Engineering Methodologies - Asun Gomez Perez
- 11:45 | Ontology Engineering Design Patterns - Aldo Gangemi
- 12:30 | *Lunch*
- 14:00 | Automatic Techniques for Extracting Semantic Data - Fabio Ciravegna
- 14:45 | Semantic Web Services - John Domingue and David Martin
- 15:30 | *Coffee Break*
- 16:00 | Semantic Interoperability - Jerome Euzenat and Natasha Noy
- 16:45 | Semantic Web Applications - Enrico Motta
- 17:30 | *End*

Tutorial Web Page



- <http://kmi.open.ac.uk/events/iswc07-semantic-web-intro/index.html>

Acknowledgements



- Mike Brodie
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