Introduction to the NeOn toolkit

http://www.neon-toolkit.org/

Noam Bercovici
Renata Dividino
Introduction

- **Noam Bercovici**
  - Researcher @ IsWeb
  - Current project: NeOn
  - Research Interests: Semantic Web and Access Control on semantic resources

- **Renata Dividino**
  - Researcher @ IsWeb
  - Current project: X-Media
  - Research Interests: Semantic Web and Data destination
The exercise sessions are there to help you 😊

- You have to correct at least two exercises on the black board
- You have to send the 9 assignments on time (before the correction)
• EU IST Integrated Project
  – Start date: March 2006
  – Duration: 4 year project
  – Funding: €10M (FP6)
  – http://www.neon-project.org/

• Key outcomes from NeOn
  – Open, scalable and service-centered **reference architecture** for supporting the lifecycle of semantic applications
  – The **NeOn Toolkit** – a resource for engineering contextualized networked ontologies and semantic applications
  – Industry-strength documentation and reference material
  – Three case studies in two sectors:
    • pharmaceuticals and agriculture/fisheries
What Is the NeOn Toolkit

- Reference implementation of the NeOn architecture
  - Support ontology engineering and management
  - Support for complete ontology lifecycle
  - Support for different languages (OWL, F-Logic)
  - Support for networked ontologies (modules, mappings)

- Built on the Eclipse platform

- Extensible architecture
  - Via Eclipse plugin mechanism
  - Via Web Services
NeOn Toolkit Availability

- **Basic configuration**
  - Completely free
  - Open source

- **Extended configuration**
  - Commercial version
  - Free for academic use

- **Community support**
  - For users and developers
  - Tutorials, mailing lists

- **NeOn Toolkit Portal**: http://www.neon-toolkit.org/
  - Download of the toolkit, plugins, online resources, wiki, …