Recuperación de Información

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Topics:

Title "Recuperación de Información" is a bit general. We will focus on:

Information integration and extraction with
Next Web Generation techniques

- **XML:**
  - From HTML to the next generation of the Web
  - XML Basics, Namespaces, …
  - XPath
  - XSLT
  - Tools, APIs

- **Semantic Web**
  - The Semantic Web idea
  - Knowledge Representation Basics
  - RDFS
  - RDF Vocabularies (FOAF, SIOC, DOAP, RSS, etc.)
  - Ontologies, OWL
  - Querying the Semantic Web: SPARQL
  - Logical background/Reasoning

- **Web Services**
  - Service-Oriented Architectures
  - SOAP
  - WSDL
  - WS-Policy
  - UDDI

- **"Web 2.0"** (Time allowed)
  - GRDDL
  - Microformats
  - etc.

- **Semantic Web Services**
  - OWL-S
  - WSMO
  - SA-WSDL

Topic of this course 2/2

- Depends (also) on you!
- How many plan to follow the course over the semester?
- Where do we start?
- What is your pre-knowledge?
  - HTML, XML, RDF, OWL?
  - Does any of these terms ring the bell?
  - Do you know/are you interested in specific tools?

Schedule:

- BLOCKED! (I am travelling in March and April)
- Fridays possible?
- suggested blocks 3 x 6 hours:
- - XML 1./2.3. and/or 29./30.3.
- - Semantic Web: 3./4.5.
- - Web Services: 17./18.5.
- - Presentations: 24./25.5.

- **Exercise sheet** per block, plus
- **Individual presentations** end of the semester

- Topics announced/picked: from next block on.

That's basically all for today!

- Next week start with Overview/XML!
- Be sure to enter your name and email in the list I passed around!

- More info will follow on my webpage soon:

  http:www.polleres.net/teaching.html