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DSpace

- “a groundbreaking digital library system to capture, store, index, preserve, and redistribute the intellectual output of a university’s research faculty in digital formats.” (DSpace Federation, 2003)
- Among other features, DSpace is:
  - an open source software system
  - with a simple but effective software architecture,
  - using state-of-the-art technologies,
  - intended to be implemented in institutional repositories and
  - very much targeted to open access on scholar material.

RepositóriUM

(http://repositorium.sdum.uminho.pt)

- 1st implementation of DSpace in Portuguese
- One of the first translations and implementations in Europe
- decided in the framework of Minho University (UMinho) project e-UM – Virtual Campus
- committed to Documentation Services of Minho University (SDUM)
Papadocs

(http://papadocs.dsi.uminho.pt)

- Implemented by the Department of Information Systems for the University
- Goals:
  - Store and give access to students' assignments
    - To other students of the same year
    - To students of forthcoming years
  - Share students' assignments among teachers
- Needed to add metadata elements:
  - grade; creator.identifier; contributor.evaluator
- Other additions:
  - Controlled Vocabularies
  - Commenting plug-in
  - 3D Web of Communication
Controlled Vocabularies

• Vocabularies used:
  - ACM CCS version 1998
  - Planning to use one in the Information Systems area

• Used for:
  - Users to choose keywords to index their documents
  - Perform concept searches

• Technologies:
  - XML
  - RDF-S

• Coupling of a small search mechanism
Controlled Vocabularies

Selezione os conceitos a pesquisar

Filtros: information system

Filtrar árvore...

- ACMCC98
  - Information Systems
    - INFORMATION SYSTEMS APPLICATIONS
    - INFORMATION INTERFACES AND PRESENTATION (e.g., HCI)
      - Multimedia Information Systems
  - Computer Applications
    - LIFE AND MEDICAL SCIENCES
      - Medical information systems
  - Computing Methodologies
    - COMPUTERS AND EDUCATION
      - Computer and Information Science Education
      - Information systems education
    - MANAGEMENT OF COMPUTING AND INFORMATION SYSTEMS
      - Project and People Management
      - Strategic information systems planning

Pesquisar...
Commenting Plug-in

- Adding informal communication mechanisms
- Comments organized in a graph way
- Anonymous comments allowed
- Anonymous comments subject to prior review
3D Web of Communication

- Visualising relations between resources:
  - Persons
  - Formal Communication Resources
  - Informal Communication Resources
- Finding “hidden” relationships - the one you are not aware of.
- Two prototypes
  - Networked prototype
  - Three layer prototype
- Also text deployment of relationships
Conclusions and Future Work

- **Work already made:**
  - RepositórioUM
  - Papadocs
  - Plug-ins

- **Papadocs:**
  - Improving Web of Communication
  - Personalization - using controlled vocabularies

- **General:**
  - In two directions: Development and Research
  - Doing some critically identified studies - see speech tomorrow
  - More researchers from other departments are expected to adhere
  - Creation of the DSpace Interest Group at university of Minho
Thank you!!!

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