ECDL 2009 Tutorial

Aggregation and reuse of digital objects' metadata from distributed digital libraries

Prepared by: PSNC Digital Libraries Team   (http://dl.psnc.pl/)
Speaker: Marcin Werla   (mwerla@man.poznan.pl)

Introduction

ECDL 2009 Tutorial: **Aggregation and reuse of digital objects' metadata from distributed digital libraries**

Aim of this tutorial

- To show our (PSNC's) experience in the field of metadata aggregation and distributed digital libraries infrastructure
  - Based on our cooperation with tens of scientific and cultural institutions building their digital libraries
  - More like „lessons-learned report" than out of the box solution
- To listen about your experience in this area and to discuss

Aim of this tutorial

- To show the software package that we develop for the Polish national metadata aggregator – the Digital Libraries Federation

  - http://fbc.pionier.net.pl/

  - Almost ready to be released as an open-source package

  - Alfa version of this software package available to tutorial participants

Plan of the tutorial

- 9:00
  - Introduction *(15 min)*
  - Part 1: The development and the current state of the digital libraries infrastructure in Poland *(30 min)*
  - Part 2: The most important aspects of... the metadata aggregation and reuse *(75 min)*
  - *Coffee*

Plan of the tutorial

- 11:30
  - Part 3: The most important aspects of... the metadata provisioning *(90 min)*
  - *Lunch*
- 14:30
  - Part 4: Demonstration of the Digital Libraries Federation and a little bit of fun with its pendrive edition ☺
- 16:00
  - *Coffee* + final discussions

Poznań Supercomputing and Networking Center

- Established in 1993
- Affiliated by the Institute of Bioorganic Chemistry, Polish Academy of Sciences
- Currently
  - 5 divisions
  - 200 employees
- High performance computing (HPC) center
- Center for security of computer networks and systems
- Poznań city network operator (POZMAN)
- Operator of the Polish Optical Internet PIONIER network

Poznań Supercomputing and Networking Center

- **Microsoft Innovation Center**
- **Sun Center of Excellence**
- **Research and development center in:**
  - Next generation networks
  - Grid systems
    and high performance computing
  - Portals and content management systems
    - PSNC Network Services Department
      - PSNC Digital Libraries Team
        (http://dl.psnc.pl/)

PSNC Digital Libraries Team

- Ongoing projects
  - dLibra – software for digital libraries
    - Developed since 1999
    - The most popular digital library software in Poland
      - Around 40 publicly available digital libraries
        - Up to date list available at http://dlibra.psnc.pl/biblioteki/
    - Recently deployments in Sweden (Goeteborg) and Ukraine (Lviv)
    - Project website: http://dlibra.psnc.pl/

PSNC Digital Libraries Team

- Ongoing projects
  - Digital Library of Wielkopolska
    - First digital library based on the dLibra software
    - Available since 2002/10/01
    - The largest Polish digital library (~90 000 of digital objects)
    - Maintained by Poznań Foundation of Scientific Libraries and PSNC
      - Content provided by many different institutions (libraries, archives, museums, …) from the Wielkopolska region
    - http://www.wbc.poznan.pl/

PSNC Digital Libraries Team

- Ongoing projects
  - PIONIER Network Digital Libraries Federation
    - Aggregates metadata from all Polish digital libraries compatible with the OAI-PMH protocol
      - Currently 40 digital libraries – regional and institutional
      - Up-to-date list at http://fbc.pionier.net.pl/owoc/oai-hosts
    - Allows to search the aggregated metadata of digital objects (~290 000 objects) and digitisation plans
    - Exposes the aggregated metadata via the OAI-PMH protocol for projects like Europeana
    - Available since 2007/06
    - Website: http://fbc.pionier.net.pl/

PSNC Digital Libraries Team

- Ongoing projects
  - ENRICH
    - eContentPlus project
    - Objective: „to provide seamless access to distributed digital representations of old documentary heritage from various European cultural institutions in order to create a shared virtual research environment especially for study of manuscripts, but also incunabula, rare old printed books, and other historical documents."
    - Duration: December 2007 - November 2009
    - Website: http://enrich.manuscriptorium.com/
    - PSNC role in the project: technical partner

PSNC Digital Libraries Team

- Ongoing projects
  - EuropeanaLocal
    - eContentPlus project
    - Objective: „EuropeanaLocal will work with the EDL Foundation to establish efficient and sustainable processes through which local and regional institutions can easily make their content available to Europeana, adopting and promoting the use of its infrastructures, tools and standards"
    - Duration: June 2008 - May 2011
    - Project website: http://www.europeanalocal.eu/
    - PSNC role in the project:
      - Regional coordinator for Poland
      - Project Management Board member

PSNC Digital Libraries Team

- **Ongoing projects**
  - **ACCESS IT**
    - Culture 2007-2013 project
    - Objective: „Work in the project will lead to development of necessary skills and competences to digitize cultural works, aggregate them and make available in a way which is compliant with Europeana standards and infrastructure. Access IT will initiate work to resolve those problems on a sustainable basis in the three target countries (Greece, Serbia and Turkey) by transferring expertise and successful approaches in use elsewhere in Europe to create centres of competence and by creating a practical model for training and implementation."
    - Duration: May 2009 - April 2011
    - Website coming soon…
    - PSNC role in the project:
      - Main „knowledge partner"