Making a Portal for Digital Educational Resources: meet Wageningen Universities Library for Learning

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Motivation for making L4L

- More and more Digital Educational Resources @WUR
- Unknown where and how many: Scattered around university on servers, networks and personal drives
- A need to collect the DERs, gather them and make them findable and reusable for others

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Our goals

Making a portal so teachers:

- Can search and find DER from the WUR
- Are stimulated to reuse or get inspired by material of others
- Can share their material with other teachers (WUR/Public)
Library for Learning

WURTV
Scripties
Infographics
Pract. clips
MOOCs videos
Elearning modules

Fase 1
Fase 2
Fase 3
Challenges

1. Use of other repositories
2. Search interface
3. Organisation
4. Teachers

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Challenge 1

- Use of other repositories:
  - Different metadata models
  - Missing metadata fields
  - Quality of metadata
  - Other technical infrastructure
  - Lack of useful API’s
Different metadata models

- **Generic L4L metadata standard**
  - 1\textsuperscript{st} step: Checking other repositories and experts
  - 2\textsuperscript{nd} step: compatibility with,
    - NL-LOM (Edustandaard)

- Mapping other Metadata model to generic L4L model
Mapping metadata

- Mapping metadata source to metadata in L4L
- Step 1
  - Metadata in Source via XSD of Record
    - Problem 1: Missing fields
    - Problem 2: Fields not clear
    - Problem 3: Quality of filled in Metadata
### Mapping metadata

- **Step 2**
  - Match fields source to field L4L.

<table>
<thead>
<tr>
<th>Veld Theses</th>
<th>Voorbeeld veldwaarde</th>
<th>Veld L4L</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>keyword</td>
<td></td>
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</tr>
</tbody>
</table>
Mapping metadata

- **Step 3**
  - Repairing metadata(fields) in the source:
    - Adding fields (e.g. Access/ license/ coursenumrber)
    - Adding metadata in the fields (keywords/ transcript of text/ CC-license/ Copyright owner etc)
API

- Different API’s:
  - Webquery (WUR Library)/OAI PMA/….  
    - Each API was checked and fitted to our L4L (when possible).

- API does not automatically harvest new/updated metadata.  
  - Not yet solved: we are working on it!
Challenge 2: Search interface

Consulted experts

Checked examples like merlot.org and Wikiwijs

Organized a workshop for teachers (2016), feedback on:

- Practising with L4L
- Checking filters and records
- Interface
- Search results

Fase 3: Check interface and functionalities for teachers again
Search box to L4L on MyPortal
Challenge 3: Organisation

A lot of partners to work with:

- P2G (Clips)
- Education Support Centre
- ICT
- OWI
- FB
- Teachers
- ...

Who to communicate with?

Pixaby: CC0
Challenge 4: Teachers and sharing

- Teachers are a bit scared to share their material:
  - Quality check
  - Misuse/abuse of their material
  - No work anymore
  - Copyright
  - Access

- No (WUR) policy
- No repository to upload material or link to ELO

Pixaby: CC0
Teacher commitment and awareness

- Making (WUR) policy on sharing DER
  - E.g. CC licence/access...
- Together with SURF and working Group Open and Online Education:
  - Checking possibilities ShareKit
  - Checking possibilities coupling to ELO
- Organizing workshops:
  - Finding and sharing OER
  - Working with the L4L
  - Copyright in Teaching material
Continuing improving L4L: Fase 3

- Sources:
  - Clips EdX (MOOC’s)
  - Clips Vimeo
  - Elearning Modules (Github)
- Automated Harvesting
- Data quality WURTV2
- Teacher awareness
- SURF Sharekit
Thank you!

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