Action Lab:
A smart journey through OER
OE Global 24 April
Marijn Post, Sylvia Moes, Nicole Will, Hilde van Wijngaarden
Typical teacher until now
Typical teacher of the future (hopefully)
What do you think has to be done to make teachers share their material?

0 | Make policy which forces teachers to share and reuse material
0 | Make company specific portals to share and reuse material
0 | Make topic specific portals to share and reuse material
0 | Make one portal for all education to share and reuse material
0 | All four
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
Library for Learning

- WURTV
- Scripties
- Infographics
- Pract. clips
- MOOCs
- Videos
- Elearning modules

Fase 1
Fase 2
Fase 3
Library for Learning

Library for Learning (BETA)

Home  Library  My Library  Library for Learning catalogue  Search result

Search

Enter your search terms

e.g. plant AND path*, chemistry OR physics, "public health", food NOT video

Records 1 - 50 / 4874

Check title to add to  marked list

Source

wurtv2 (1036)
Theses Online (3706)
Practicumclips (127)
Infographics (5)

Type

thesis (3706)
video (1163)
infographic (5)

Contributor

Truus van Woondenburgh (Undefined) (38)
Joanne Leerlooijer (Undefined) (30)
Arnaud Bovy (Undefined) (29)
Wierenga, Peter (Presenter) (29)

More...

Title

Use and applications of protein hydrolysis

- protein - hydrolysis - food - applications - properties - overview
- recording date: 2017-12-11T10:41:04Z
- recording type: Kennis clip

Functionality of protein hydrolylates

- protein hydrolylates - techno-functionality - solubility - molecular weight distribution - ace inhibition - bitterness
- recording date: 2017-12-11T10:37:45Z
- recording type: Kennis clip

Specificity and selectivity of enzymes

- enzymes - specificity - selectivity - degree of hydrolysis - dh - peptide identification - peptide quantification
- recording date: 2017-12-11T10:34:46Z
- recording type: Kennis clip
It works fine but....

- Teachers still stay a bit typical....
Questions

• Why do teachers have a difficult time sharing material via the L4L and other OER databases? (Open question)

• Why do teachers hardly use the L4L and other OER databases? (Open question)

• Suggestions for improvement (open question)?
Finding OER - Where to start?

- Google
- Youtube, Vimeo...
- Colleagues
- Repositories
- Catalogues of repositories
- Courses

Overview of Repositories based on the list published by Robert Schuwer
Next step – Selecting

- Content coverage unclear
- Traditional search engines
- Results lists
AIDA

AIDA is an initiative of TU Delft scientific staff in cooperation with TU Delft Library and the Leiden University's Centre for Science and Technology Studies (CWTS).

The AIDA project aims at providing easy-to-use tools for visualization and analysis of research areas and research trends to the individual researchers and to the faculties of TU Delft.

http://aida.tudelft.nl/
TU Delft research profile
TU Delft web media content

http://aida.tudelft.nl/cases (case 17)
Visualisation of TUD + WUR media

Thanks to: M. Munnik, B. Ranjbarsahraei
Benefits

- Processing and visualizing a large amount of data
- Facilitating access to information
- Finding gaps in available resources
- Finding the experts
- Determining the topicality of the content
Questions

• Can visualization technology contribute to the adoption of OER?
• Which of your struggles should be solved through visualization?
• What are the downsides?
Next steps?
Dynamic User Profile (DUP)
Dynamic User Profile (DUP)
<table>
<thead>
<tr>
<th>1.4 Zorgverlener</th>
<th>1.4.1 Klinisch redeneren</th>
<th>Verpleegkunde</th>
<th>9.3 omschrijving (description)</th>
<th>9.4 Trefwoord (Keyword)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classificatie en 9.1 doel</strong></td>
<td><strong>9.2.2 taxon (opbouw van de structuur vanaf dit punt 9.2.2.2 lemma (Entry))</strong></td>
<td>Verpleegkundige methodiek</td>
<td>Anamnese; Verpleegkundige diagnostiek; Verpleegkundige Evaluatie van zorg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verpleegkundige diagnos</td>
<td>Verpleegkundig diagnosticeren</td>
<td>Risico-inschatting; Vroegsignalering; Probleemherkenning;</td>
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<tr>
<td></td>
<td>tisch</td>
<td>Verpleegkundige classificatie</td>
<td>ICF; Gezondheidspatronen van Gordon; NANDA; NOC; NIC;</td>
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<tr>
<td></td>
<td>Farmacologie</td>
<td>Geneesmiddelen (hoofdgroepen)</td>
<td>Bijwerkingen; Uittusseling en effect</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geneesmiddelen (werking, effect en interactie)</td>
<td>Voorschrijven; Ter hand stellen/afleveren</td>
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<tr>
<td></td>
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<td>Farmaceutisch beleid</td>
<td>Medicatieveiligheid; Op slag/beheer; Gereedmaken; Toedienen/registeren en e</td>
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<tr>
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<td></td>
<td></td>
<td>Beleidsregels; Farmaceutische zorg</td>
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</tbody>
</table>
CLOUD SPEECH API
Sprak-naar-text-conversie met machine learning

Krachtige spraakherkenning
Met Google Cloud Speech API kunnen ontwikkelaars audio converteren naar tekst door krachtige neurale netwerkmodellen toe te passen in een gebruiksvriendelijke API. Deze API herkent meer dan 80 talen en taalvarianten ter ondersteuning van gebruikers over de hele wereld. Hiermee kunt u bijvoorbeeld een transcriptie maken van tekst die gebruikers in een microfoon dicteren, spraakbediening mogelijk maken of audiobestanden transcriberen. Herken spraak in audio die wordt geüpload in een verzoek en integreer de bestanden in uw audio-opslag op Google Cloud Storage met behulp van de technologie die Google ook voor zijn eigen producten gebruikt.

About the MLLP Platform

What is the MLLP transcription and translation platform?
The MLLP transcription and translation platform is an online platform for automated and assisted multilingual media subtitling and text translation created by Universitat Politècnica de València’s Machine Learning and Language Processing (MLLP) research group. It provides support for the transcription and translation of the full content of MOOCs, and integrates other MLLP-developed technologies such as Text-to-Speech synthesis for enhanced accessibility.

pailTrans: If you are interested in submitting your videos or media files (or your whole repository), we encourage you to visit our university’s pailTrans service, which has been polished for this specific purpose and runs on our best systems. If you want to try additional features not available in a pailTrans standard account, then this is the experimental platform where you will find that. Register above to ask for access to this platform.

What is the MLLP?
The Machine Learning and Language Processing (MLLP) research group is composed of researchers based at the Universitat Politècnica de València’s Departament de Sistemes Informàtics i Comunicacions. Our main research areas of interest are: machine learning and applications; natural language processing; and educational technologies and big data.

One of the main activities of the MLLP group has been the development of technologies for the automatic transcription and translation of videos, audio and learning contents, most recently within the EU projects transLectures and EMINA. These technologies have been deployed within these two projects, and are also being provided now to other universities and organisations.
Questions www.menti.com and use the code 51 71 95

• Does an user profile have added value?
• Motivate your opinion with 1 or 2 words