My background…

Learning Networks
Learning Networks

Explicitly address informal learning

Learners can publish, share, rate, tag and adjust their own Learning Activities in a Learning Network

Open Corpus that emerges form the bottom upwards
Nowadays …

Personal Environments

Most-popular Web 2.0 Tools and Applications

Social Bookmarking
Blog Reader
Various Communities
More Information Providers

GO2WEB20
Personal Learning Environments

This Moodle course is acting as a Wave Container (i.e., a context) for connecting to a Wookie Widget Engine.

A Moodle Block Plugin (a small php file used to configure bits of the course) tells Wookie to pass it a Widget, and sends it the current user (the Viewer). Wookie renders the Wave Widget requested by the Moodle block; each Widget calls the Wave API (e.g., wave.getParticipants, wave.getState) which is implemented as a JS wrapper that Wookie injects at runtime, and communicates with Wookie's own Comet and AJAX services to update the Widget's state in real time.

Unlike a regular Moodle course page, everything you see here updates live in real time - you never need to refresh the page.
Selection problem because ...

...of the amount of data that is emerging.

...learners can be overwhelmed by the plethora of information.
Can we create a Recommender System for Mash-Ups for Learning?
What is ReMashed?

A Mash-up environment that allows you to personalize emerging information of online communities with a recommender system.

You tell what kind of Web 2.0 services you use and then you are able to define which contributions of other members you like and do not like.
Goals for ReMashed

1. **End-User level**
   Providing a recommender system for Web 2.0 sources of learners in informal Learning Networks.

2. **Researcher level**
   1. Offering researchers a system for the evaluation of recommendation algorithms for learners in informal Learning Networks.
   2. Creating user-generated-content data sets for recommender systems in informal Learning Networks.
How does it work?

ReMashed uses *collaborative filtering* to generate recommendations.

It works by matching together users with similar tastes (neighbours) on different Web 2.0 resources (delicious, Flickr, blog feeds, Slideshare, Twitter, and YouTube).
How does it work?

Cold-Start = Tag-based recommendation

Collaborative Filtering with ratings
The 1st Release

Re-Mashed
Recommendations for Mash-ups

DELICIOUS

posted by marcok.held@ou.nl on Apr 14, 2009 10:46:29 PM
SceneDirect - European Psychiatry: The relationship between online game addiction and aggression.
games

posted by kamal.shroff@ou.nl on Apr 14, 2009 5:29:19 PM
OS X Help - Insanely simple tutorials for the first time Macintosh user
mac

posted by steven.verjans@ou.nl on Apr 14, 2009 12:52:08 PM
Thought Experiments, for Sakai. Keep it simple like Twitter & Draw Good Boundaries Like Drupal.
Note
drupal sakai twitter we future technology watch

posted by kawakishi@ou.nl on Apr 14, 2009 3:32:45 PM
Best Mac Software.org - The Best Software for Mac OS X (OSX)
mac freeware

posted by henry.herman@ou.nl on Apr 14, 2009 2:57:40 PM
WP2 - FTA Wiki
FTA

posted by henry.herman@ou.nl on Apr 14, 2009 2:57:14 PM
Moodle Integration | drupal.org
drupal modules drupal_modules moodle

BLOG

posted by david.miley@gmail.com on Apr 24, 2009 7:16:56 AM
New CC Personal Finance Resource
Bryan Sidwell's from Brigham Young University's Marriot School has just released his absolutely incredible collection of Personal Finance courses and resources under a CC BY-NC-SA license.

posted by sarah.schaffner@salzburgresearch.at on Apr 22, 2009 12:22:24 PM
Mashups for learning: Best paper award & slidecast I am happy to announce a "best paper award" for the best contribution to the special track "Mashups for Learning" (MASHLE2009) - Perhaps an Apple iPad Touch 16 GB (or another equivalent gadget) to motivate us to send us...

posted by vgraller@gmail.com on Apr 16, 2009 2:40:16 PM
EQF - The European Qualifications Framework
The EQF was adopted by the EU in 2008 and approaches its first anniversary in a few days time. Time to reflect a bit on what it has brought to us. The intention of the EQF is to make qualifications (as the name says) better comparable...

posted by vgraller@gmail.com on Apr 9, 2009 2:44:50 PM
SM2 - Social Media Mining
Everyone using Twitter, Facebook, Ning, Blogg, or other similar social networks knows what enormous wealth of information is out there, if you could only find a sensible way of accessing it. Most of us hope Google would do this, but alas, the search...

posted by sandra.schaffner@salzburgresearch.at on Apr 7, 2009 12:17:02 PM
Erfahrung: SNML-Talk: Erfolgreicher Aufbau von

BEST RATED ITEMS OF THE WEEK

delicious
posted by henry.herman@ou.nl on Apr 24, 2009 2:07:24 PM
Moodle Integration | drupal.org
drupal modules drupal_modules moodle

RATING BASED RECOMMENDATIONS

posted by hendrik.drachsler@ou.nl on Feb 12, 2009 10:07:49 AM
IMG_1335

posted by dirk.boermer@ou.nl on Feb 25, 2009 5:44:42 PM
Moodle research web2.0 papers

posted by kim.dejong@ou.nl on Feb 19, 2009 11:59:04 AM
Geo Distance Search with MySQL
search tutorials tutorial howto geo maps gis distance geocoding mysql longitude latitude distances

posted by hendrik.drachsler@ou.nl on Jan 31, 2009 1:23:47 PM
TENCompetence Winterschool 2009, Feb 1-6, Innsbruck, Austria | TENCompetence
tencompetence winterschool 2009

posted by dirk.boermer@ou.nl on Feb 2, 2009 6:10:50 PM

The 1\textsuperscript{st} Release

Recommendation Algorithms

Database of Items

User Interface

flickr

slideshare

del.icio.us
System Evaluation

• At the TENCompetence Winterschool 2009

• Also external users sign up for the evaluation phase

• In total 49 people from 8 different countries

• The evaluation phase ran for one month and was concluded with an online recall questionnaire.

• We received answers from 19 participants (response rate of 38%).
# Usage of Web 2.0 services

<table>
<thead>
<tr>
<th>Service</th>
<th>Strongly agree</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>Strongly disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Use a blog</td>
<td>21%</td>
<td></td>
<td>31% (n=6)</td>
<td></td>
<td>48%</td>
</tr>
<tr>
<td>2. Use social Bookmarking</td>
<td>84%</td>
<td></td>
<td>6% (n=1)</td>
<td></td>
<td>10%</td>
</tr>
<tr>
<td>3. Share pictures</td>
<td>37%</td>
<td></td>
<td>21% (n=4)</td>
<td></td>
<td>42%</td>
</tr>
<tr>
<td>4. Share presentations</td>
<td>37%</td>
<td></td>
<td>21% (n=4)</td>
<td></td>
<td>38%</td>
</tr>
<tr>
<td>5. Use microblogging</td>
<td>32%</td>
<td></td>
<td>10% (n=2)</td>
<td></td>
<td>58%</td>
</tr>
<tr>
<td>6. Upload videos</td>
<td>15%</td>
<td></td>
<td>38% (n=7)</td>
<td></td>
<td>47%</td>
</tr>
<tr>
<td>7. Use YouTube to collect videos</td>
<td>37%</td>
<td></td>
<td>15% (n=3)</td>
<td></td>
<td>48%</td>
</tr>
</tbody>
</table>

They just twittered that the table is terrible.
# Satisfaction with ReMashed

<table>
<thead>
<tr>
<th></th>
<th>Very satisfied</th>
<th>Satisfied</th>
<th>Unsatisfied</th>
<th>Very unsatisfied</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Overall satisfaction</td>
<td>63%</td>
<td></td>
<td>37%</td>
<td></td>
<td>100% (n=15)</td>
</tr>
<tr>
<td>2. Satisfaction tag-based algorithm in the beginning</td>
<td>60%</td>
<td></td>
<td>40%</td>
<td></td>
<td>100% (n=16)</td>
</tr>
<tr>
<td>3. Satisfaction tag-based algorithm at the end</td>
<td>69%</td>
<td></td>
<td>31%</td>
<td></td>
<td>100% (n=16)</td>
</tr>
<tr>
<td>4. Satisfaction rating-based algorithm in the beginning</td>
<td>61%</td>
<td></td>
<td>39%</td>
<td></td>
<td>100% (n=14)</td>
</tr>
<tr>
<td>5. Satisfaction rating-based algorithm at the end</td>
<td>62%</td>
<td></td>
<td>38%</td>
<td></td>
<td>100% (n=13)</td>
</tr>
</tbody>
</table>
Open Question

We received 9 answers:

• Integrate social networks like Linkedin, Facebook, and MySpace.

• Integrate mind mapping tools like Mindmeister.

• Create clusters of Web 2.0 services of the same type, e.g. combine Picassa and flickr in a subcategory ‘Pictures’.
The 2nd Release

Recommendations for Nash-ups

DELCIOUS

posted by nogmsammantest@text.nl on May 26, 2009 3:18:15 PM
Get More Twitter Followers! - Featured.users.com

Costs, but might be worth considering in the future if things really take off with Twitter

posted by test@text.be on May 26, 2009 2:10:20 PM
FIRE SAFETY TRAINING AT WORK & AT HOME

Fire Safety

posted by telesubbie@bnn.nl on May 26, 2009 12:04:23 AM
Ask SM: CSS Quick-Question Edition | CSS | Smashing Magazine

CSS Tips webdevelopment tutorials

posted by nogmsammantest@text.nl on May 26, 2009 11:11:30 AM
The Science Creative Quarterly » ON KINGDOMS AND THE GALAPAGOS ISLANDS: A TREATISE ON DARWIN'S CONTRIBUTIONS TO MODERN

Blog

posted by text@text.com on May 22, 2009 2:20:46 AM
Digital Campus #42 - The Real World

This week's podcast boils at the fake, the real, the copies, and the bizarre fake journals from Elsevier, the NFA telling teachers to film their TVs, the University of Michigan asking for real uses for its copies of Google's book...

posted by text@text.com on May 15, 2009 4:21:51 AM
Zzezero 2.6 Is Here!

After an extensive development and testing period and the addition of even more features to make academic research easier, more collaborative, and ready for the future, Zzezero 2.6 went public tonight. I'll be blogging extensively about...

posted by text@text.com on May 15, 2009 2:01:37 AM
Idealism and Pragmatism in the Free Culture Movement

[A review of Cary Hall's Digital This Book! The Politics of New Media, or Why We Need Open Access Flow (University of Minnesota Press, 2009).] appeared in the May/June 2009 issue of Museum.] Beginning in

BEST RATED ITEMS OF THE WEEK

BLOG

posted by text@text.com on Mar 8, 2009 10:12:39 AM
ReMashed evaluation week 3

This time we decided to offer a qualitative evaluation of the ReMashed system. Therefore, we ask the contributor of the week: Dr. Wolfgang Greller (best rated item in cat.: bookmark, picture and blog posting) for a short interview regarding his...

ReMashed interview: Greller recommender experiment emerging

SLIDE SHARE

posted by telesubbie@bnn.nl on May 15, 2009 1:50:05 PM
innovation

Innovation ideas property science technology commercialize

YOUTUBE

posted by hendrik.drachsler@ou.nl on May 13, 2009

FLICKR

england kent cover temeleawell jellobox jettacks

iamhazngsm

posted by test@text.de on May 26, 2009 9:29:05 AM
Kearsney Station, Dover

SLIDESHARE

posted by telesubbie@bnn.nl on May 22, 2009 6:08:09 AM
Naming A Business, Product Or Service

Keeping a business name, name of a product and service is as important as the business, product or service itself. Have a look at the different types of names and

posted by tanja@tanja.nl on May 16, 2009 7:00:15 AM
Social Freelance Jobs & Open Outsource

Freelance job sites with social industry infrastructure called "open outsourcing" a brief presentation I gave at Ubicomp. Enjoy!
The 2nd Release

DUINE Prediction Engine

Database of Items

User Interface
You can use it as well!

Register at remashed.ou.nl.

Enter your favorite Web 2.0 potatoes.

Join the community.

ReMashed starts mashing.

Taste your personal flavor of Web 2.0.
Future R&D

End-user perspective:
1. More Web 2.0 services and social networks
2. Widget / Portlet interface for other Personal Environments
3. Administration interface to create instances of the ReMashed

Researcher perspective:
1. Creating data sets for Technology-Enhanced Learning
2. Exploring new recommendation technologies
3. Creating web services to offer recommendations to other Mash Up Personal Learning Environments
Many thanks for your interest!

This slide is available here:
http://www.slideshare.com/Drachsler

Email: hendrik.drachsler@ou.nl

Skype: celstec-hendrik.drachsler

Blogging at: http://elgg.ou.nl/hdr/weblog

Twittering at: http://twitter.com/HDrachsler
Please sign up at:

http://remashed.ou.nl