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Discussion: The Personalisation of a Learning Environment: Student-led connections online and offline

Hugh Davis & Su White

Learning Societies Lab Web and Internet Science, ECS University of Southampton, UK



Technology timeline



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Multimedia Apps on PCs & 1987 Macs (Guide / Hypercard) 1990 The Web Virtual Learning **Environments** Virtual research **Environments** Open Content/ Repositories Web based 2000 Multimedia Web 2.0 Semantic driven Web sites **Semantics** Personal Learning **Environments** The Mobile Web Linked Data 2010 Semantic Wikis Personalised Open Data **Institutional** saw@ecs.soton.ac.uk **Environments**

Web 1.0 (mid 1990s)

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+ Teacher



Html static web pages



But what model of learning does this assume?

http

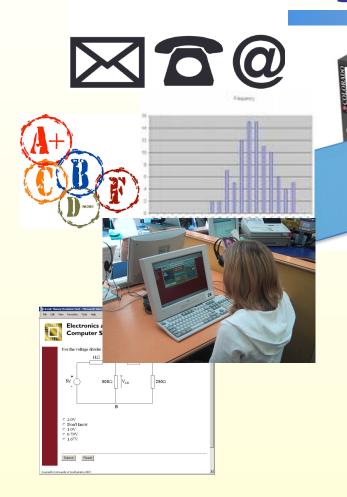


ftp

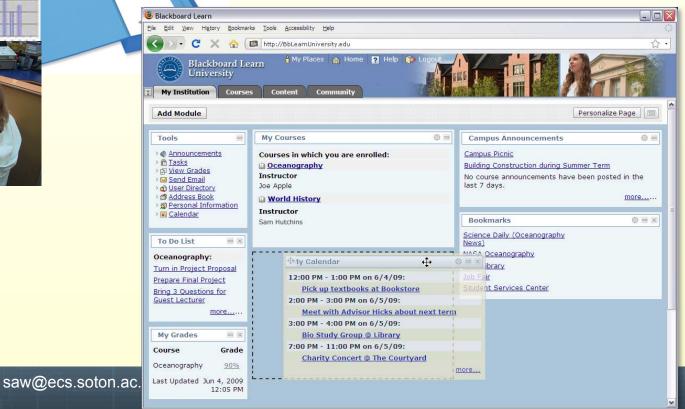
Enter the VLE Virtual Learning Environment

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VLEs replicated
(a perception of) traditional teaching
by enabling 'content delivery' on-line



But why VLEs?





- Historical artefact
 - Most teachers did not do (or even understand) html or FTP
 - Many teachers and students did not do email (or other communication tools)
 - Information literacy was not high
 - Some teachers were reluctant to allow their online work to be widely seen
 - Or were constrained by licences which controlled the distribution of resources



why VLEs? (2)





VLEs are ultimately supportable

In summary:

VLEs = toolkit VLEs enable teachers to:

- create and distribute
- files, email and announcements
- run chats and forums

...all in a safe controlled environment

The Read/Write Web and the (Social) Network – early 2000's



Timeline - Learning

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teacher 1997 directed (Instructivist?) 1990 knowledge exists The Web independently of the learner. and is 'transferred' to the student by the teacher. teacher-centered 2000 model Web 2.0 epitomized by the lecture. Semantics

Linked Data

2010

The learner constructs new knowledge through a process of analyzing new information and comparing it to previous knowledge. Student responsible for their own learning

centred

Constructivist?

Vicarious
Learning
Social
Constructivism
Communities
of practice
Informal

Learning

Connectivism

Changes Understanding Learning



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In formalising our understanding of learning in a digital world there is increasing recognition of informal learning



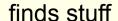
Digital Literacies



Stuff! Call that learning?

Is part of the network

- Contributes stuff
- · Creates an ontology



- on the network
- from the network (of people)



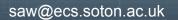
is given the stuff

via the network

Increasing (digital)
literacies

The learner





Digital literacies



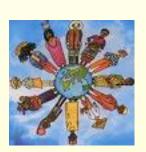
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Are a part of literacies in a digital world

Essential skillset for the thought leaders and decision makers of tomorrow

- Master use and shape
 - new business models
 - emerging practices -> leading change

To influence people in a digital world



















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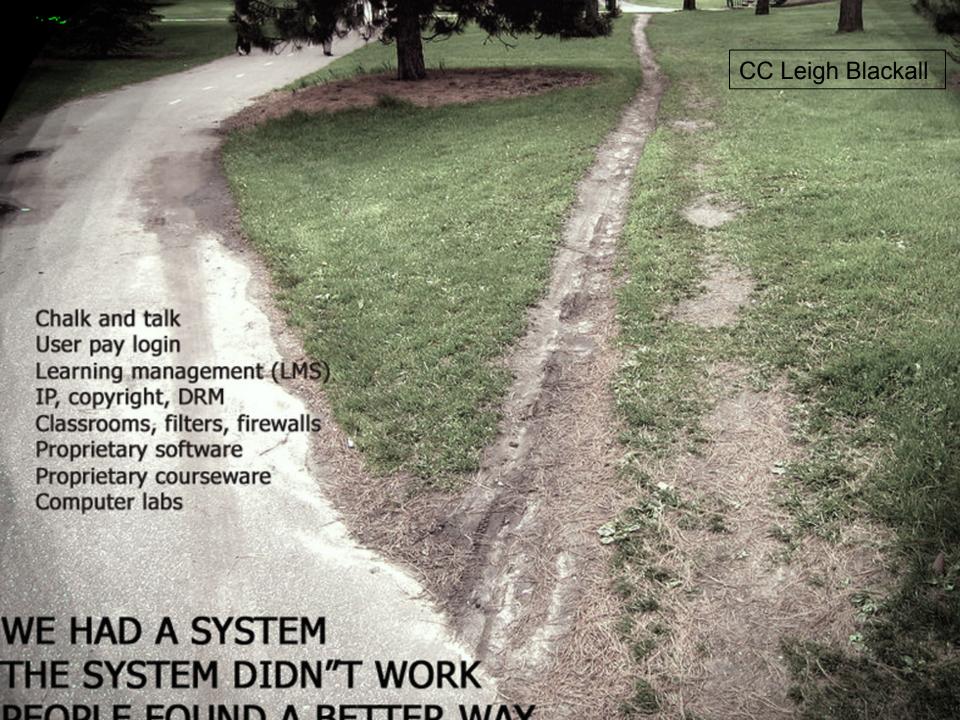
Some failures of VLEs

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VLEs

- embody outdated (static) views of teaching as "push"
 - put the teacher and knowledge/content at the centre rather than the student/process or the network
- are fundamentally closed
 - lock you in
- Do not incorporate any understanding of network learning
 - do not integrate
 with the tools and environments students or lecturers use
- Do not enable or support learners to take responsibility for their own learning, tools or digital literacy

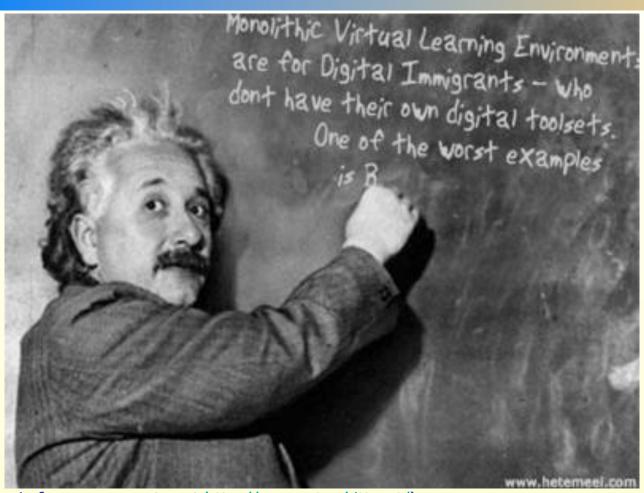




The VLE is Dead - long live the VLE



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(above image is from a generator at http://generator.kitt.net/)



What is a PLE?



Facilities to personalise the desktop?



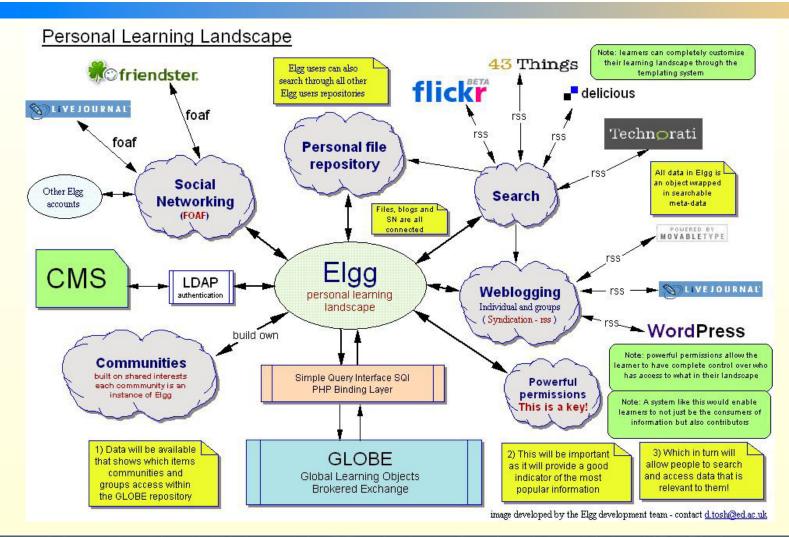
A personal toolkit



Learners choose
They are responsible for:

- the tools they use
- who they interact with
- the content they view
- sense making

Tosh, D. & Werdmuller, B. (2004) The Learning Landscape: a conceptual framework for e-portfolios, Interact, 29, pp. 14-15.



Let's study wine: scenario

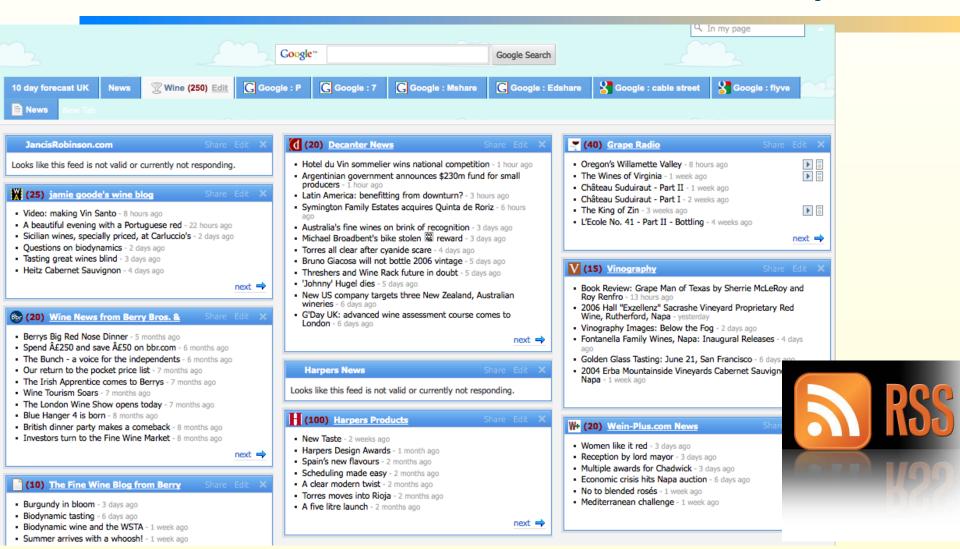
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The Institutional VI F



In the 'wild' RSS Feeds (and Email lists)

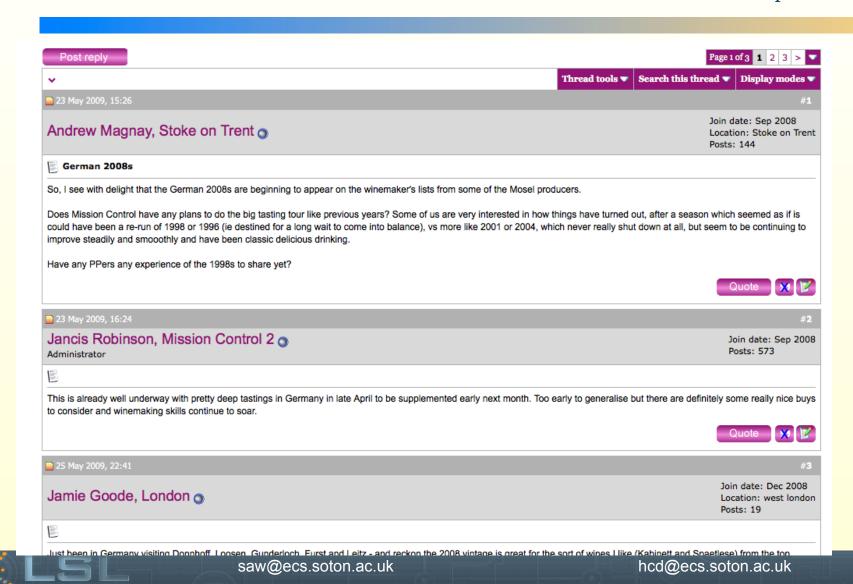
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Forums – what the people say



Search: #wine



Which reds would you cellar beyond Bordeaux? #wine #clt http://dld.bz/XyqF

Twitter

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• wineclt, [+] Thu 21 Apr 23:01 via SocialOomph



RT @<u>alawine</u>: There's white wine, red wine, & now, 'green' wine <u>http://t.co/JpxX2rF</u> Tomorrow's Earth Day ... focus on organic practices in #<u>wine</u> industry

McFaddenWine, [+] Thu 21 Apr 23:01 via Buffer



rt @McFaddenWine re: What is bottle shock? http://awe.sm/5IQvn #wine <<<The price tag of a Napa Cab?

alawine, [+] Thu 21 Apr 23:00 via web



New #<u>wine</u> review for @<u>BodegaRenacer</u>
Punto Final Malbec from @<u>TheWineDiva</u>
http://bit.ly/dR3Dt6 "A very solid #<u>Malbec</u> in a sexy package..."

trialto, [+] Thu 21 Apr 23:00 via TweetDeck



Pick a good #<u>wine</u> for #<u>Easter</u> dinner! Pair w/#<u>Riesling</u> #<u>PinotNoir</u> #<u>Shiraz</u> - great choices from our online catalogue! http://bit.ly/g6hfbb

• trialto, [+] Thu 21 Apr 23:00 via TweetDeck

- people
- networks
- links
- questions
- # hashtags
- ++

Wiki - collaborative authoring

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a Log in / create account



navigation

- Main Page
- Community forum
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2006 Russian ban of Moldovan and Georgian wines, Paris Wine Tasting of 1976, More...

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Michel Rolland, Château Lafite Rothschild, Stag's Leap Wine Cellars, Robert Mondavi, More...

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Featured Article

Food and wine pairing

Food and wine pairing is the process of pairing a food with complementary flavors, aromas, and textures found in wine. It



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   - <owl:priorVersion>
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     </owl:priorVersion>
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   -<rdfs:comment>
       Derived from the DAML Wine ontology at http://ontolingua.stanford.edu/doc/chimaera/ontologies/wines.daml Substantially changed, in particular the Region based relation
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                                          food:Grapes
                                                          Winery
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                WhiteWine
                               EarlyHarvest
DessertWine
                                                                      WineTaste
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English Wine

Chris Scott's UK Wine Show

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UK Wine Show, explores the wine scene in the UK.

Welcome to the UK's first wine podcast. I'm Chris Scott and the UK Wine Show will be exploring the wine scene in the UK. During each show I'll interview winemakers, consumers, critics, wine bar owners, you name it, if it's about wine in the UK it will be covered. Almost all the good wine from around the world washes up on these shores so we'll find out more about the people behind the wines that make a splash. Personally I think a bit of knowledge can significantly improve your enjoyment of wine, so I'll be picking up and passing on some great wine tips & tricks throughout the shows.

UK Wine Show 160 Nicola Jenkins of WRAP on recycling



Show 160 Click here to listen to Show 160

WRAP helps individuals, businesses and local authorities to reduce waste and recycle more, making better use of resources and helping to tackle climate change. We interview Helen Jenkins to find out how WRAP relates to the wine industry. **More Details >>**

UK Wine Show 159 Recycling Wine Bottles with Paul McLavin of O-I



Show 159 Click here to listen to Show 159

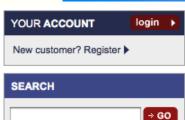
Owen-Illinois (O-I) is the largest manufacturer of glass containers in the world. We find out how recycled glass is used in the production of new glass with sales manager Paul McLavin. **More Details** >>



And Podcasks!

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Burgundy Wine Guide

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Wine Pronunciation
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Burgundy 2006 Virtual Tour

Take a tour of Burgundy by joining our Burgundy Buyer **Jasper Morris MW** on his recent visit.

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Above: Les Héritiers du Comte Lafon Listen to Jasper & Dominique Lafon



Above: Domaine du Comte Armand Listen to Jasper & Benjamin Leroux



Above: Domaine Patrick Javillier Listen to Jasper & Patrick Javillier



Above: Bret Brothers Listen to Jasper & the Bret Brothers

Meet the producers Video



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▶ ☐ Magazines and Blogs			
▶ ☐ Reference			
▼ 🛅 Regions			
The English Wine website			
The German Wine Page			
English Wine Producers			
Sherry.Org – CONSEJO REGULAD			
Port – IVDP			
MadeiraWineGuide			
Wine Vendors and Serach Engines			

	Scholar All articles - Recent articles Search Scholar Preferences Scholar Help Scholar All articles - Recent articles
	Scholar All articles - Recent articles
	Influence of micro-oxygenation treatment before oak aging on phenolic compounds composition,
	M del Carmen Llaudy, R Canals, S Gonzalez-Manzano, J. Agric. Food Chem, 2006 - pubs.acs.org
	Influence of Micro-Oxygenation Treatment before Oak Aging on Phenolic
	Compounds Composition, Astringency, and Color of Red Wine
	Cited by 14 - Related articles - Web Search - All 4 versions
9	IPDFI ► Application of toasted oak and micro-oxygenation to ageing of Cabernet Sauvignon wines
н	J MCCord - The Australian & New Zealand Grapegrower &Winemaker, 2003 - stavin.com
	1 Application of Toasted Oak and Micro-oxygenation to In the mid 1980's, Dr. Michel
	Moutounet began research on a technique now known as micro-oxygenation
ı	Cited by 4 - Related articles - View as HTML - Web Search - All 4 versions
	Synergetic activity of catechin and other antioxidants
	CT Saucier, AL Waterhouse - J. Agric. Food Chem, 1999 - pubs.acs.org
	articles (5 most recent appear below). Effect of SO 2 Concentration on Polyphenol Development during Red Wine Micro-oxygenation
	Cited by 30 - Related articles - Web Search - BL Direct - All 5 versions
	Michael By St Melated and Code - Med Code Col St. C Melateria
	yeast that exhibits reduced ethanol production during fermentation under controlled microoxygenation > nih.g
ı	S Heux, JM Sablayrolles, R Cachon, S Dequin - Applied and Environmental Microbiology, 2006 - Am Soc Microbiol
	Engineering a Saccharomyces cerevisiae Wine Yeast That Exhibits Reduced Ethanol
ı	Production during Fermentation under Controlled Microoxygenation Conditions
۰	Cited by 11 - Related articles - Web Search - BL Direct - All 8 versions
ı	[PDF] ► Micro-oxygenation-a review
	M Parish, D Wollan, R Paul - Australian Grapegrower and Winemaker, 2000 - winenet.com.au
	Page 1of 8 Micro-oxygenation – A Review These two points are fundamental to the
	principles behind Micro-oxygenation (Lemaire, 1995). The Role of Phenolics
L	Cited by 7 - Related articles - View as HTML - Web Search - BL Direct - All 3 versions
-	
	Colour stabilization of red wines by microoxygenation treatment before malolactic fermentation
	S Pérez-Magariño, M Sanchez-Iglesias, M Ortega Food Chemistry, 2007 - Elsevier Colour stabilization of red wines by microoxygenation treatment before malolactic
	fermentation 2.1. Wine elaboration and microoxygenation treatment
	Citad by 7 - Polista griticles - Was Sparch - All 3 versions

Effect of microoxygenation on anthocyanin and derived pigment content and chromatic characteristics ... M Cano-Lopez, F Pardo-Minguez, JM Lopez-Roca, E ... - American Journal of Enology and Viticulture, 2006 - Am Soc Enol Viticulture

... Effect of Microoxygenation on Anthocyanin and Derived Pigment Content and Chromatic



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aspect of the vinous cycle.

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→ MORE

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Wine Regions

to fully appreciate every drop! Join our interactive journey from vine to wine, where you'll meet the people behind the wine and discover information on every

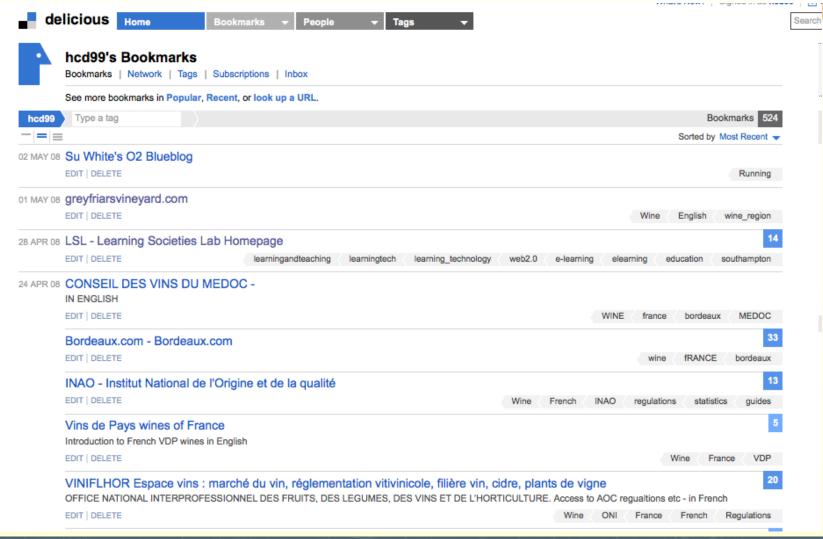
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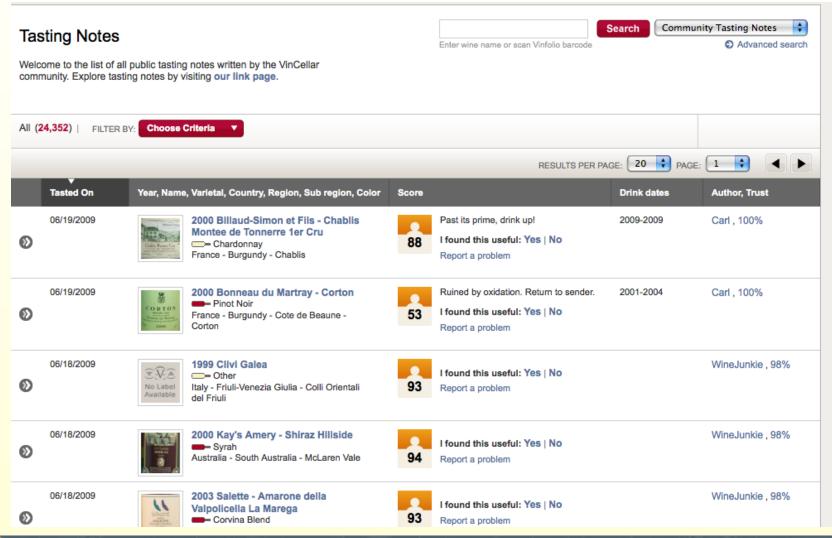
Wine Maps → MORE

Social Bookmarking / Tags



Finding apps: Software in the cloud

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Southampton The /Institutional PLE (iPLE)

Oxymoron"
"union of two apparent contraries"
e.g. 'Extremely Average'
'Military Intelligence'

Some might suggest that an Institutional PLE is by definition an Oxymoron

Our rationale for creating an iPLE: there are features we want or things we must provide

Educationally:

A virtual guide in the learning journey

- Supporting learners (and teachers) and providing scaffolding
- Introducing tools (and their affordances)

An infrastructure for student assessment

- traditional assessment
- online portfolios, blogs, artefacts
- assessing use of online tools
 - the World Wide Web is not always the right place

An intranet to host data and discussions

Organisationally we want/have to:

- Provide for and support living and learning
 - Ensure students find all things "Southampton" at one place (or with one search engine)
- Accommodate people who do not wish to be seen world-wide
- Preserve and curate educational resources
- protect some teaching materials (e.g. privacy, legal constraints)
- Meet legal responsibilities (e.g. accessibility)

Technically we want to

be agile with our technology provision - to meet, match and exceed student expectations control the availability of services and information and perhaps the Cloud is not reliable enough develop services incrementally and use modern methods so we can manage costs through choice



Why iPLE (institutionally "powered" PLE)?

- ♦ Because institutions should guide a part of the learning process
- Because institutions create an important social capital that must be combined with personal networks of its users
- Because institutions should gather individual knowledge and return them with added value to its members and to society
- ♦ Because it extends the relation between graduates and institutions
- ♦ Because many learners can not build their PLE from scratch
- ... and because it is ethically secure!
 - data and the use of the data are declared on public agencies for data protection
 - autonomy and will of university members is considered

Towards an eLearning 2.0 provisioning strategy for universities, Oskar Casquero (oskar.casquero@ehu.es) University of the Basque Country, PLE conference 2010

Some Issues for HEIs



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New skills and knowledge?

- Control suitability of content
- Guarantee accessibility
- Control availability of content
- Adhere to data protection laws
- Respect copyright
- Preserve and curate

In the virtual classroom

- New pedagogic approaches
 - making authentic use of technology
- How to assess online skills
 - and what to assess?



The Southampton Learning Environment - Goals



make it possible to undertake every aspect of

living learning online teaching

- support a wide range of pedagogical approaches
- a single place where you can go for

tools communication collaboration information resources

appropriate to your role in the university

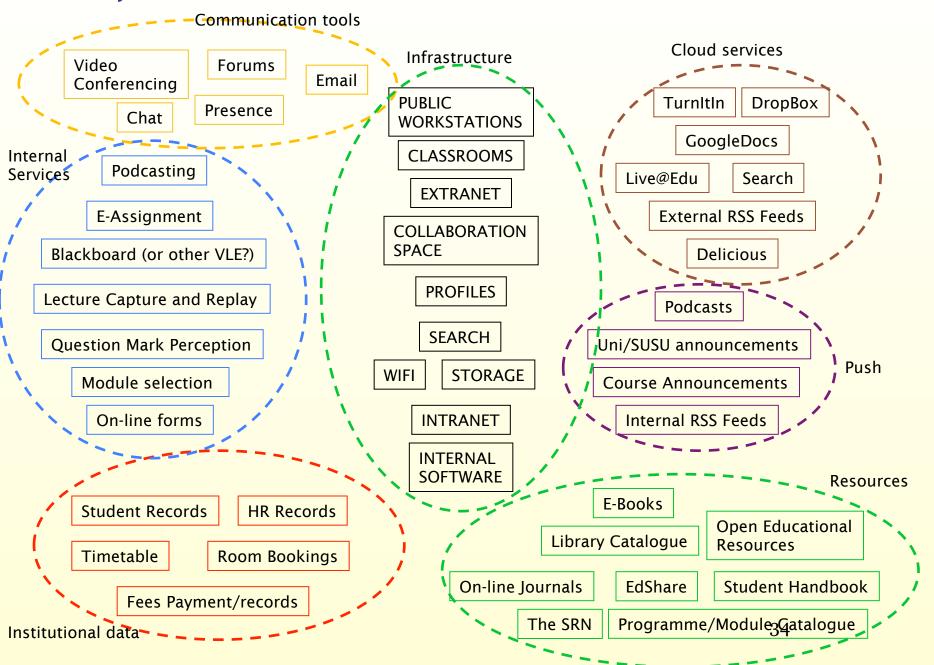
- act as a vehicle for reviewing and aligning our educational processes across the University
- provide much more flexible systems
- single login to all university tools and repositories (and search)



Why are we doing this?

Improve student experience	Students expect to be able to be able to do things on- line, and find all the information they need on-line
Improve staff experience	The current systems are limiting, hard to use and inflexible.
Make our graduates more employable	Skilled to comfortably and competently participate, work and collaborate in globally distributed organisations
Introduce efficiencies	Standardising administrative processes associated with education
Scale up our numbers at little extra cost	by supporting/enabling other educational paradigms •Remotely supported learning •Blended learning •Distance learning
Alleviate our teaching space problem	One possible solution: Explore alternative educational interactions

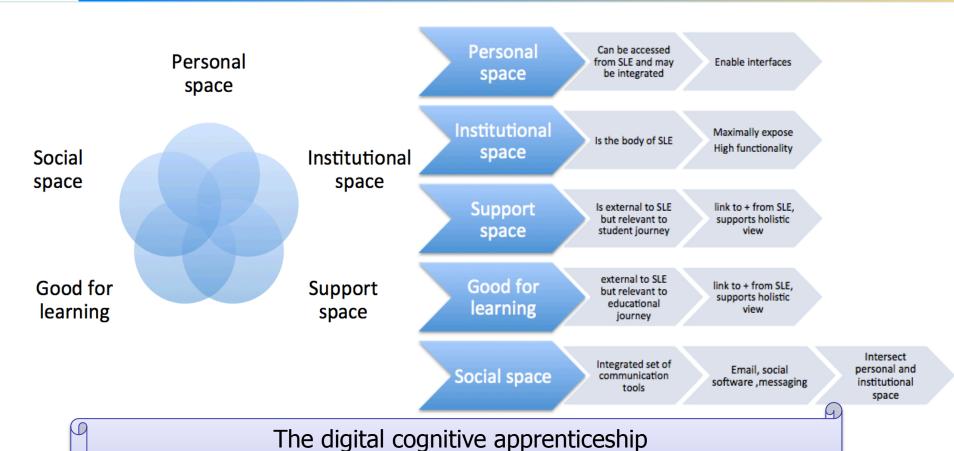
Tools, Services and Data View



Organizational View: A Rich Learning Environment



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Situated and authentic learning with a community of scholars in a digital world

Some applications we are leading on

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Let me

- personalise my personal timetable
- select my module options (fully informed)
- book an un-used classroom near me for a SEG group meeting



 what bus I need to leave home to get to my next lecture in time

Remind me

- of the name of my tutee who is standing in front of me now, and let me know their current progress.
- Create a workflow
 - to allow submission of papers and redistribute anonymously for peer review

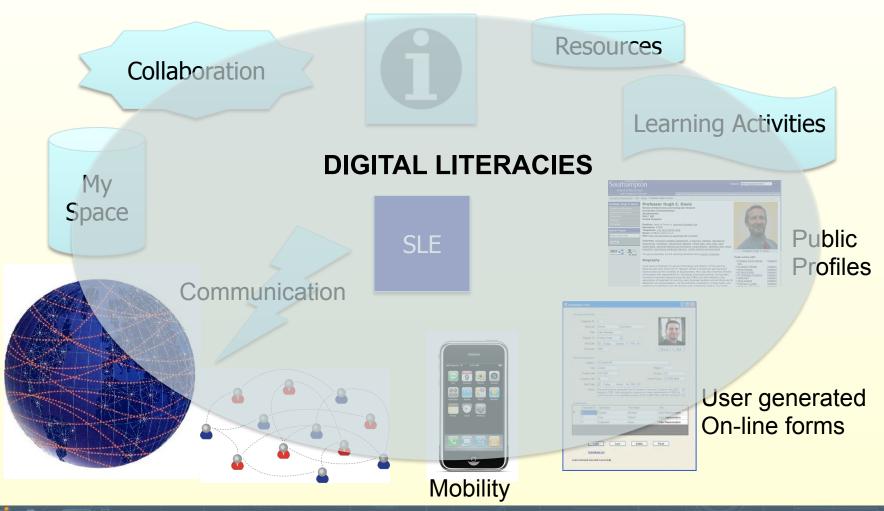




Conclusions

Thank You. Questions?

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Thank you



Any questions?

Hugh Davis Learning Societies Lab ECS

The University of Southampton, UK www.ecs.soton.ac.uk/~hcd

Thanks to Su White for her contributions to this talk



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Discussion Points

- School of Electronics and Computer Science
- Do you buy the idea that the VLE (as manifested by BB etc.) is past its time?
- Given the increasingly importance of DLs
 are there other ways of doing something about it other than including "authentic" use of technology in the curriculum?

 What can and what cannot be personal in an iPLE? (Maybe there are disciplinary differences?)

refs



- O'Reilly, T. (2005). What Is Web 2.0 Design Patterns and Business Models for the Next Generation of Software http://oreilly.com/web2/archive/what-is-web-20.html
- O'Reilly, T. (2007). What is Web 2.0: Design Patterns and Business Models for the Next Generation of Software, Communications & Strategies, 1(1),17-37 http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1008839
- White S. (2009) Rich Learning Environments, University of Southampton http://shirleyknot.blogspot.com/2009/12/rich-learning-environments.html
- White, Su & Davis, Hugh C. (2011). Making it rich and personal: crafting an institutional personal learning environment, International Journal of Virtual and Personal Learning Environments, In Press. http://eprints.ecs.soton.ac.uk/22030/
- White, Su & Davis, Hugh C. (2011) Rich and personal revisited: translating ambitions for an institutional personal learning environment into a reality. In: The Second International PLE Conference: PLE_SOU, July 11-13th 2011, Southampton, UK. http://eprints.ecs.soton.ac.uk/22140/

