

Personal Learning Environments? or Society's Learning Environment?

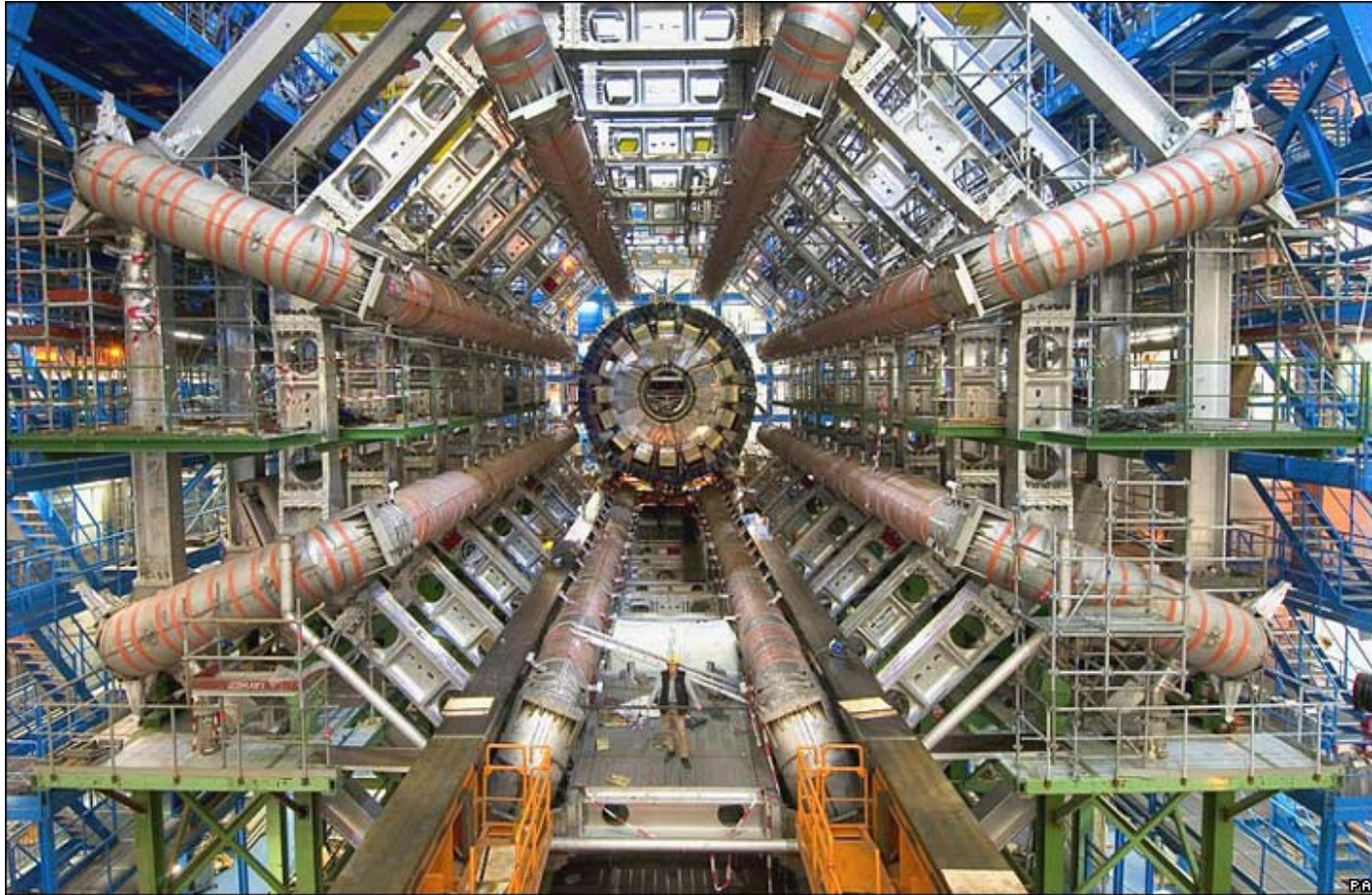


Leslie Carr, Web and Internet Science,
University of Southampton, UK

Where's This?



What's This?

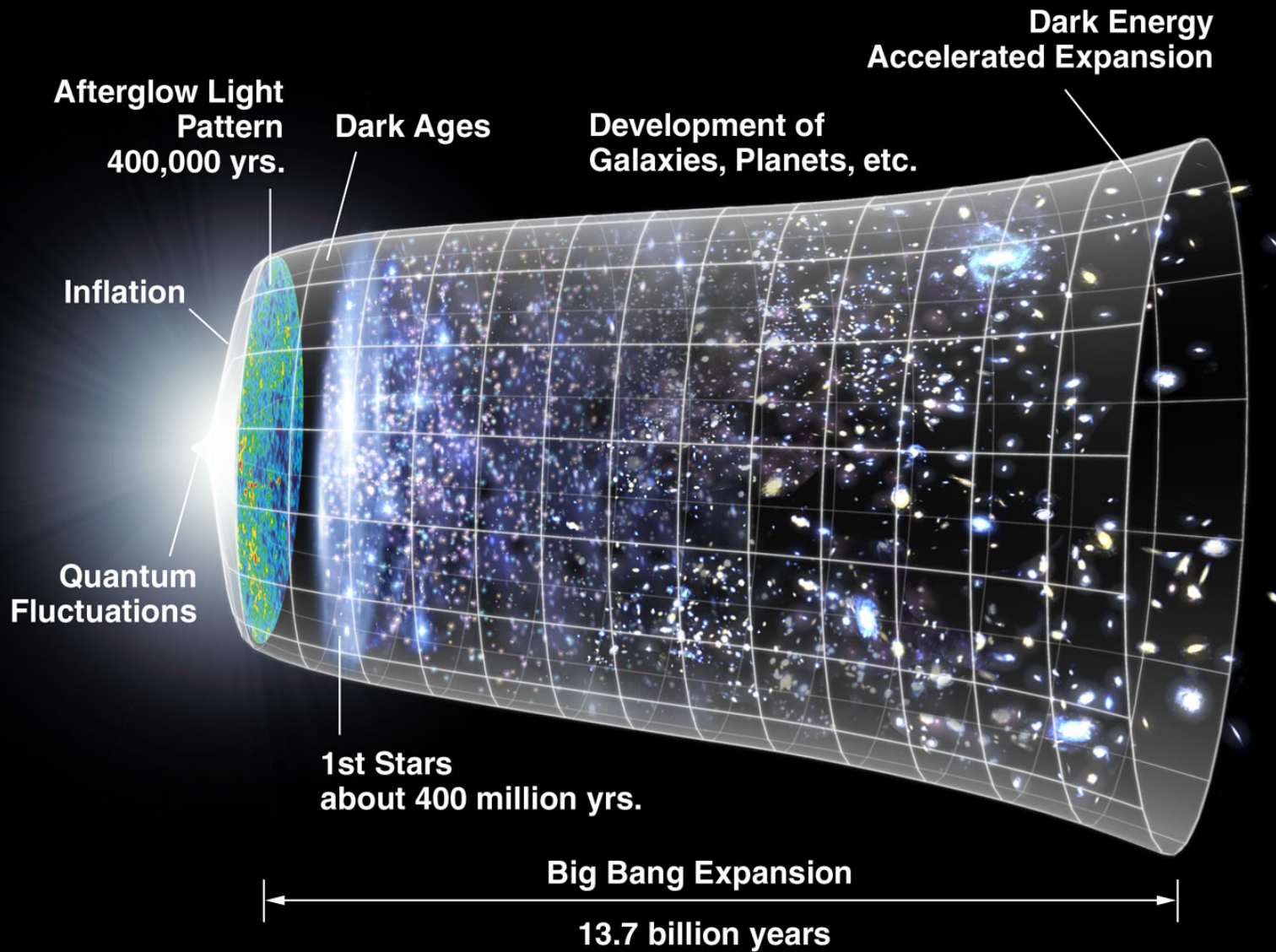


Remember This 2006 Headline?



Birth of the Web

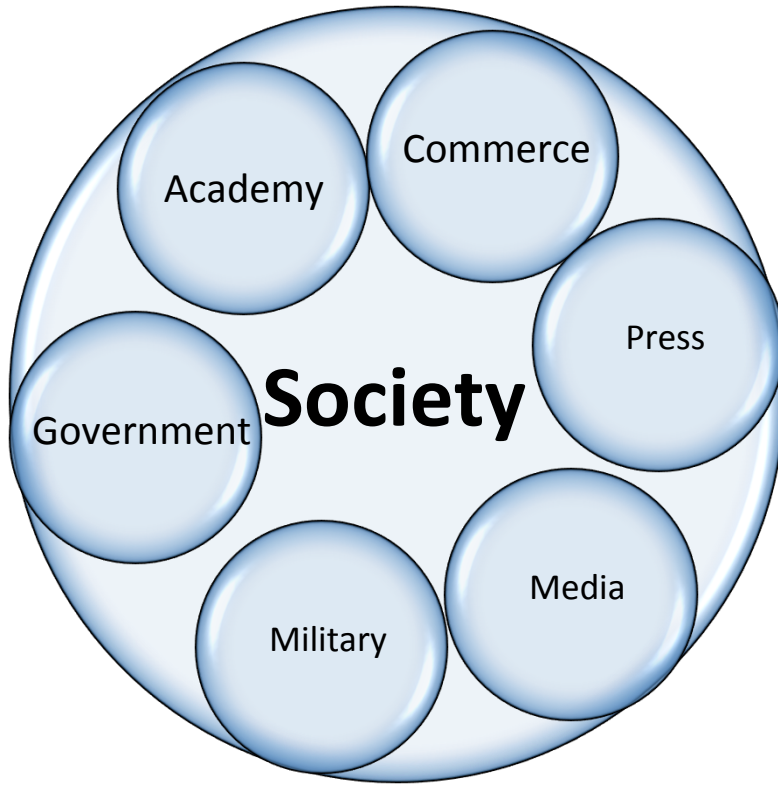
- From an underground nuclear bunker on the Swiss border, something did escape
- In 1989 the Web took over the academia, industry and the world



Expansion of the Web

- The Web spread the conditions of its initial creation throughout the whole of society as it underwent an initial inflationary phase.
- The academy
 - government patronage
 - large-scale co-operation
 - sharing of intellectual property

Society is Diverse



Institution	Objective
Academy	Create and transmit knowledge
Commerce	Trade goods
Press	Report news
Media	Broadcast content
Military	Defend society
Government	Control society & share resources

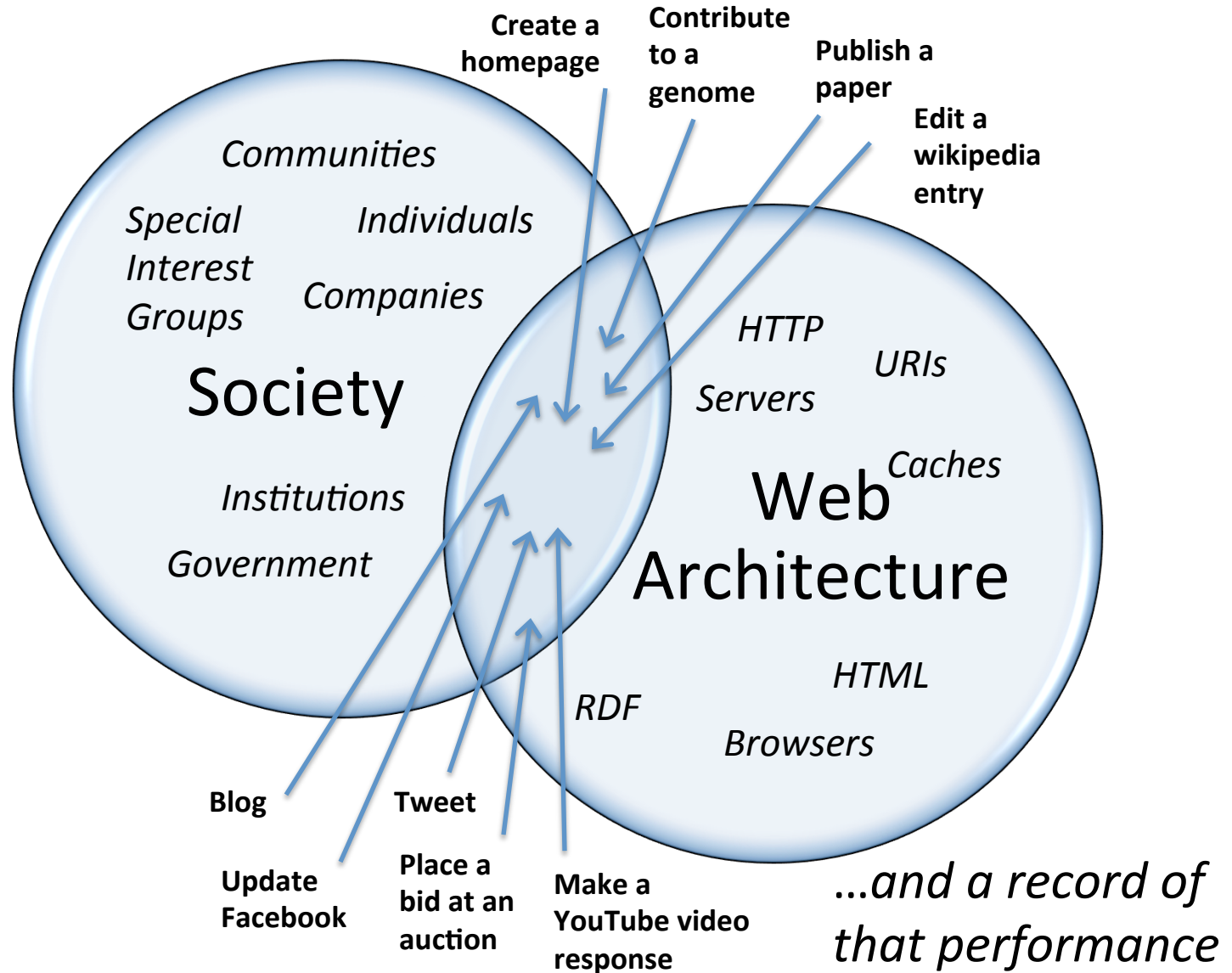
The development of society as a whole (nuanced and structured and refined) is inextricably related to the technology of information provision, consumption and dissemination (e.g. writing, reading, printing, education). *Different parts of society have different objectives and hence incompatible Web requirements, e.g. openness, security, transparency, privacy.*

Less successful Webs from history

Sponsor	System	Scope	Real	Date	Important Properties
Press	Reuters	Professional, centralised	✓	1850	News & stock information (originally carrier pigeon and subsequently telegraph)
Private Institution	Mundaneum	Public, centralised	✓	1920	Based on indexing technology (the library card)
Military	Memex	Scholarly, individual, centralised	✗	1945	Aimed at Scientists and Technologists in WWII
Media	Xanadu	Public, decentralised	✗	1960	Focused on DRM, reuse and writing for “creatives”
Media	CEEFAX	Public, national, centralised	✓	1970	Broadcast, linked, not participatory
Government	Minitel	Public, national, centralised	✓	1980	Commercial services and information
Academy (CS & HEP)	FTP / Archie / Anarchie	Public, decentralised	✓	1985	Downloaded resources (papers, reports) to hard drives and printed them on LaserWriters.
Commerce	Hypercard, HyperTIES	Private, centralised	✓	1988	Personal applications, sometimes tied to multimedia resources on CDROMs / video disks
Academy (HEP)	WWW	Public, global, decentralised	✓	1990	Universal naming, linking, interoperability, participative. However no writing, no indexing.
Academy (CS)	Microcosm	Private, centralised	✓	1990	Sophisticated linking and openness for personal information stores
Academy (CS)	HyperG	Public, centralised	✓	1990	Extension of Web for with support for writing, indexing and consistency management.
Commerce	AOL, CompuServ	Public, centralised	✓	1990	Dialup access to email, forums, chat rooms and information resources

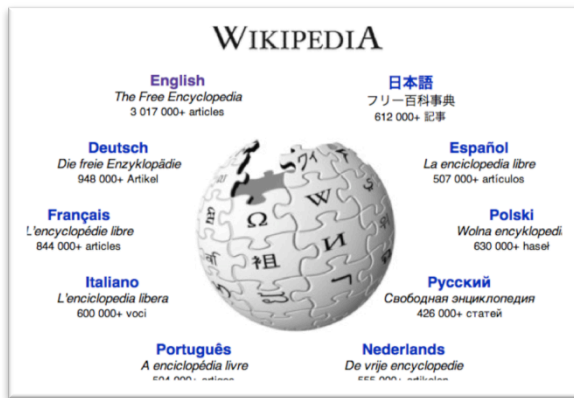
The Web is a Performance...

*The middle space represents the activity of individuals (potentially acting in concert) who create interlinked resources that both **reflect** and **reinforce** the interlinkedness of society and social (economic, legal, personal) interaction.*



Performing on the Web

- It's something we do, not a product we buy
 - ✗ Information and Communication Technology
 - ✓ Informing and Communicating Technology



Wikipedia – new knowledge is edited and managed on the web through processes that are discussed and managed through the Web. Wikipedia only exists because of the wikipedia community; the wikipedia community only exists because of the Web. Both are a linked resource with an emerging set of values and standards.



Academia – new knowledge is created privately and sometimes presented on the Web. Centuries-old processes and values pre-exist in academic organisations and are re-interpreted for the prevailing technology.

Different parts of society have different needs to communicate for different ends.

PLE: New Kind of Performance?

- Learning as a human modality:
 - Enquiry, discovery, guidance, evaluation, certification
- What kinds of Web users are there?
 - Web 1.0: readers
 - Web 2.0: readers and content providers
 - Web 3.0: software agents & user-oriented apps
 - Wikipedia: readers, contributors, editors
 - Now: readers, commenters, content providers, commentators

Personal Learning or Society Learning

- Not just individuals trying to increase their own cognitive competency in order to be able to improve their CV
- Now society needs to do this
 - solving energy, climate, water
- Does the PLE agenda offer a new kind of web performance

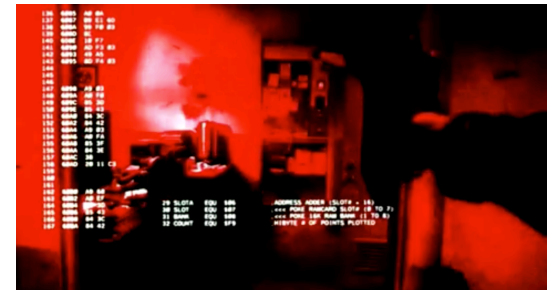
• Learning as a human modality:
– Enquiry, discovery, guidance, evaluation, certification

Discussion?



Cyborgs

- Social theorist Donna Haraway emphasises the role that technology plays in creating our humanity
- Union of human & technology makes a new kind of human
 - What sort of thing is human + smartphone ?



The web is not a thing acting alone.
Computers cause nothing, but humans
and computers together remake worlds.
paraphrasing Donna Haraway, Social Theorist



Cyborgs in the Pub

- Lam, S., Pennock, D.M., Cosley, D. and Lawrence, S. (2003)
1 Billion Pages = 1 Million Dollars? Mining the Web to Play “Who Wants to be a Millionaire?” in Proc. of the 19th Conf. on Uncertainty in Artificial Intelligence, 2003

BBC Mobile News Sp

NEWS MAGAZINE

Home World UK England N.Ireland Scotland Wales Business Politics
Video & Audio Magazine Editors' Blog In Pictures Also in the News Have

1 June 2011 Last updated at 12:18 3,335

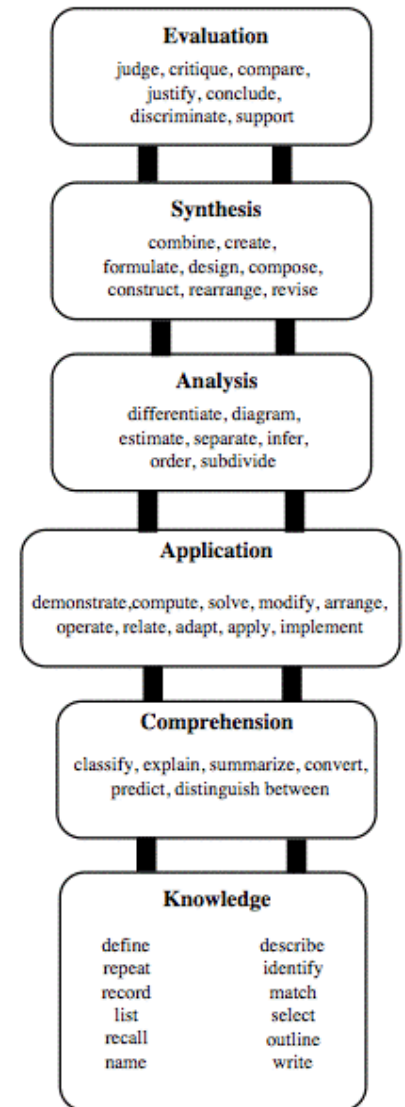
Can pub quizzes survive in the smartphone era?

COMMENTS (172)

As pub closures increase, landlords are turning to traditional tools to attract trade, with giant chain Punch launching a national pub quiz to lure customers back. But since many quizzers have smartphones in their pockets, naming Mall's capital is less of a challenge than it once was. Question-setter Alan Connor looks at how to Google-proof a quiz.

Bloom's Taxonomy

- Educational outcomes? or Cognitive competencies?
- Everything is built on knowledge/recall
- **The only thing** the Web provides is knowledge/recall



Discussion

- What new Web features (services?) do we need
- To Transform **Personal Reading** into **Personal Learning**

