To be or not to be Digital Britain

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Where there is no vision, the people perish Proverbs 29:18

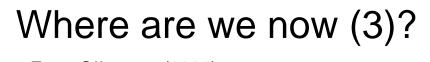
We're not looking far enough ahead

- A three year "vision" is not good enough
- We need a proper strategy about what we want a Digital Britain to be like in 10,20, 30 years from now – not just in terms of the technology but what type of society that will lead to. If we get it wrong, it could be a society we don't want
- It's about being a British citizen in a digital world

Where are we now (1)?

- Falling behind?
- Is it good enough to say we've not got much money to invest in this so we're going for a market driven approach, with minimal intervention and a minimal "guarantee" of service (2Mbps – should be 1Gbps)?
- In a country where much of the technology other countries are using has been developed here this is madness
- As a country we are pretty much bankrupt but that is no reason not to look for ways to be at the level of the best of the world in terms of being digital – it doesn't all have to be central government/market led.





- From OII report (2009)
- Continuing growth of trust in the Web as source of information but even more significant growth of use for entertainment (rather than spending time with other people or watching TV)
- Growth of Internet/Web for obtaining news, being entertained, learning
- Decline in viewing TV and reading books
- Increasing use for communicating with others family, friends, work colleagues and internet dating
- Most users have positive attitudes towards the Internet. Non-users worry more about privacy, pornography, security, spam etc and this is what the media focus on.



Technology changes so quickly

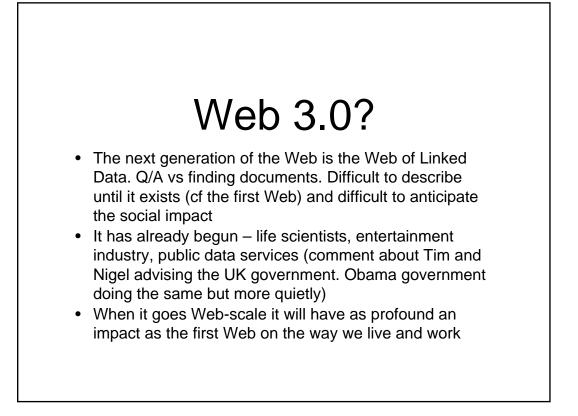
- Who would have forecast the amazing growth in mobile 'phone technology. Increasingly we access the Web using mobile broadband technology
- Dark fibre possibilities (UK leads the way in the development of optical fibre technology – just got the Nobel prize, work at Southampton – we really should develop a strategy for a national optical fibre network)
- Latency issues with use of satellite provision of broadband access but this is the way many of our competitors will be providing broadband to rural areas.
- · And the price of terrestrial wireless is falling very quickly
- So let's think about hybrid solutions

The role and evolution of the velocity Of the Web • The Web was the catalyst for all these changes (beginning of the Information Revolution – the Age of Networks) • Didn't really take off until broadband technology became

- Didn't really take off until broadband technology became available in the home – problem of boot-strapping content on the Web – first 5 years surprise, second 5 years hope, third 5 years expect – what next?
- Dotcom boom and bust inevitable (cf printing books that noone could read). Quote about the "end of shopping on the Internet"
- Growth of social networking Facebook
- Growth of user developed content Flickr, podcasts, YouTube, blogs, Twitter (tell the story) – there is a technology story to tell for all of these
- Growth now being driven the development of the Mobile Web

Changing businesses

- Google
- BBC (pro-Web rather than post-Web)
- Amazon
- eBay
- Open access (publishing)
- iTunes
- e-books (and audio books)
- BBC iPlay (can only be used in the UK at the moment)
- GlobalTV iPlay (Channel 4 won't buy Friends we'll subscribe to the international service that provides the entertainment we want. How do we regulate that?)
- iMovie?
- iLearn?
- All while we're on the move



Digital Lives

- All these developments mean we are already living digital as well as physical lives. The amount of time we spend in the digital world and the amount of information that exists in the digital world about ourselves will continue to grow – whether we're Second Lifers or not
- Memories for Life project (UKCRC grand challenge based at Southampton) and others looking at digital memories – creation, storage, retrieval, curation, privacy, security
- Work with neuroscientists and Alzheimer's patients the Microsoft SenseCam project
- Memory aids for the future



Think the unthinkable or unimaginable

- If we have powercuts in the future it's not just the lights that go out (cf CST National Infrastructure report)
- Allow for the completely unforeseen (cf the story of Joseph Bazalgette, who planned the sewage network for London – made generous allowances and then doubled the diameter of the pipe needed. The unforeseen was the Tower Block. In the digital world the unforeseen could be teletransportation)
- On-line with the fastest technically possibly speeds anytime, anywhere (in the world)

