From Information Revolution to Information Society: Settling the Digital Pastures
From Revolution to Society

Agricultural Revolution
- The Plough
- A network of Roads
- Agricultural Society

Industrial Revolution
- The Steam Engine
- Canals and Railways
- Industrial Society

Information Revolution
- The Computer
- Internet and the World Wide Web
- Information Society
Pasture is land with vegetation cover used for grazing.
"Accelerating the transition to a smarter and greener economy where the key input will be knowledge"
Research data affects everyday lives
Research data affects everyday lives
Absence of research data affects everyday lives
Therefore it must be properly managed by information managers
Community wide co-operation

The Four Roles for Libraries

- **Aggregation**
  - The long tail
  - Commercial material is in the minority
    - Openwetware, Blogs and Wikipedia

- **Discovery**
  - Authenticity and provenance
  - Logical Bibliographic Metadata

- **Access**
  - Usability
  - “Free and boundless” Deputy Mayor

- **Preservation**
  - Backup
  - Redundancy
Aggregation

**Reuniting content**
- Codex Sinaiticus

**Linking related collections**
- Emory Slave Trade Database

**Creating New Collections**
- Red Clydeside
This is Europeana - a place for inspiration and ideas. Search through the cultural collections of Europe, connect to other user pathways and share your discoveries. Find out more

Advanced search

Share your ideas: People are currently thinking about: Timeline navigator: New content:
Discovery

- Standards
- Interoperability
- Metadata
- Bibliographic Authenticity
- Trust metrics
- Provenance
A history of library co-operation: the early 20th Century

- Cooperation and the Russian Revolution
  - Interlending to St Petersburg
  - Latitude = 59°26'N
    Longitude = 024°46'E
Access

- “The most used public service” Jukka Relander & Eppo VNTS
  - Or the SECOND most used?

- Institutional Repositories
- Creative Commons
- Managed Born Digital Content
- Information Free at the Point of Use
- Digitising Existing Collections
- Removing Barriers through Ensuring Usability
  - Equality of Access (age, gender, disability, location)
- A Culture of sharing
The Mobile Library

A mobile application interface for a library, with options such as Library Hours, Librarians, Service Areas, Streaming Audio, Floor Maps, Blog, and Full Website. A screenshot of a mobile phone displaying a biography entry about John Steinbeck, including his summary: "John Steinbeck consistently appears on class reading lists across the U.S., and his work has influenced generations. Steinbeck lived and wrote during some of the most eventful and..."
Preservation

Threats to preserved media

- Operator error
- External attack
- Insider attack
- Economic failure
- Organization failure
- Suppression of data

Media failure
Hardware failure
Software failure
Network failure
Format obsolescence
Natural disaster
Strong Foundations: LOCKSS
Lots of Copies Keeps Stuff Safe

- Decentralized, distributed, and redundant
- Responsibility spread across the community
- Built upon a strong organisational foundation
- Local access, control, and custody of content
- Permanent access to content without continued fees
- Spreading the archive over
  - multiple libraries,
  - multiple nodes,
  - multiple voices
- Shepherded by strong universities with strong libraries
About Planets

Objectives

The Planets Project will deliver a sustainable framework to enable long-term preservation of digital content, increasing Europe’s ability to ensure access in perpetuity to its digital information.

Planets will deliver:

- Preservation Planning services that empower organisations to define, evaluate, and execute preservation
- Methodologies, tools and services for the Characterisation of digital objects
- Innovative solutions for Preservation Actions tools which will transform and emulate obsolete digital assets
- An Interoperability Framework to seamlessly integrate tools and services in a distributed service network
- A Textbook to provide a consistent and coherent evidence-bases for the objective evaluation of different protocols, tools, services and complete preservation plans
- A comprehensive Dissemination and Takeup program to ensure vendor adoption and effective user training.

The project will enable organisations to improve decision-making about long-term preservation, ensure long-term access to their valued digital content and control the costs of preservation services through improved information and evidence information.
Finding the Holy Grail is really hard……

- Jon Landau has noted that *Avatar* is preserved in 2D not 3D because it’s too difficult
This is rocket science
But it looks easy.....

By the Way......... Avatar is preserved in 2-D not 3-D