Digital libraries

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Monday, October 12, 2009
Hac eadem macula ante secundam quadraturam nigrioribus quibusdam terminis circumvallata concitatur, qui tantum alii inaequalia quaestions agunt. Soli aeris obscuriores apparent, quae vero Sola aeris lucidiores extant, cuibus apporium spiciunt lucidores extant, quorum pars Soli aeris ipse accidit, quorum pars Sola aeris ipse accidit, obscura vero, ac vmbrofa, quae est sita cft. Immittura deinde luminosa tota prima tertia dicta macula tota clariora morsium doria eminenter monstrant.
BOOK II.

CHAP. I.

Of Ideas in general, and their Original.

§ 1. Every Man being conscious to himself, That he thinks, and, that which his Mind is employ'd about whilst thinking, being the Ideas, that are there, 'tis past doubt, that Men have in their Minds several Ideas, such as are those expressed by the words, Whiteness, Hardness, Sweetness, Thinking, Motion, Man, Elephant, Army, Drunkenness, and others: It is in the first place to be enquired, How he comes by them? Know it is a received Doctrine, That Men have native Ideas, and original Characters stamped upon their Minds, in their very first being. This Opinion I have at large examined already; and, I suppose, what I have said in the foregoing Book, will be much more easily admitted, when I have showed, whence the Understanding may get all the Ideas it has, and by what ways and degrees they may come into the Mind; for which I shall appeal to every one's own Observation and Experience.

§ 2. Let us then suppose the Mind to be, as we say, white Paper, void of all Characters, without any Ideas; How comes it to be furnished? Whence comes it by that vast store, which the bungler and boundless Fancy has painted on it, with an almost endless variety? Whence has materials of Reason and Knowledge? To this I answer, in one word, Experience: In that, all our Knowledge is founded; and all that ultimately deriveth it. Our Observation employ'd either upon external, sensible Objects, or about the internal Operations of our Reason, perceived and reflected on by our Senses, is that, which supplies our Understanding with all the materials of thinking. These two are the Foundation of Knowledge, from whence all the Ideas we have, or can naturally draw our Reasoning.
WE WILL NEED

- Specialists, hands, heads & feet
- Infra
- Hardware
- Software
- Legislation
- Cooperation
STRATEGY FOR THE DIGITISATION CENTRE

Mission
To enhance the birth of the digital library by digitising national heritage material with high quality and cost efficiently.

Customers
Libraries, Archives and Museums

Services
Digitisation (preparation, microfilming, OCR)

Material
bindings, volumes, microfilms and sound-recordings

Organization
A financially independent and transparent service centre

Characteristics
Customer- and process oriented approach; specialisation, good knowledge, high-quality, cost-efficient

Competitive Advantage
The results of centralising Digitisation and moving on to mass production are remarkable. Quality, costs, processes
Investment

NAVCC Site Overview & Components

Central Plant / AOC
(50,000 sq ft)

Collections Store
(135,000 sq ft)

Main Entrance

Conservation Bldg - Staff & Preservation Labs
(175,000 sq ft)

Loading Dock

Nitrate Vaults
(55,000 sq ft)
Storage
Technical infrastructure: METADATA

Since 2004, the National Digitisation Centre has used METS-format (Metadata Encoding and Transmission Standard). In the mass digitalisation process 2008-09 has been decided to use:

- MODS and MARCXML for descriptive and bibliographical metadata (http://www.loc.gov/standards/mods/) (http://www.loc.gov/standards/marcxml/)
- MIX for technical metadata (http://www.loc.gov/standards/mix/)
- PREMIS for preservation metadata (http://www.loc.gov/standards/premis/)  
- PREMIS for rights management metadata.
- Metadata ingestion between Fennica – the National Bibliography of Finland and docWORKS
- The National Library of Finland will have separate records for the print and the electronic version

This development will be copied and adjusted to audiovisual and other material, like newspapers.
Mass digitisation solutions – the library involvement: books...

**Library**
- Client Accessibility
- Transferring Physical Objects

**Digitalia**
- Preparing Digitisation
- Digitisation
- Post Processing
- Temporary storage for digitised objects
- Physical objects Retrieval

**Workflow**

1. Item tracking System
2. Use of Bar Codes
3. Fennica – separate records for the print and digitized versions
4. Identifications of Digital Objects
5. Enrichment of Fennica Metadata produced in Post Processing Leadership decision and strategic policy

**Digitising, Scanning, Post Processing**

1. Item Tracking Tool – Item Tracking and Scan Client
2. Automated scanning – manual Scanning
3. Quality Control – rescanning Process
4. Technical Metadata, MIX- provenance information on digitisation
5. Setting METS profile
LOGISTICS

Conservation

Massdigitisation of sound

Microfilming

Massdigitisation

OCR & structural analyses
MANAGEMENT
Structures for licensing and agreements
Newspapers >1950

Examples:

1) Solutions based on the law of Extended Collective Licensing (16d§)
   The copyright body (f eks KOPIOSTO, TEOSTO) administers after getting permission for licensing from the Ministry of Education.
   Based on Legal Requirements and statutory Effects.
   This form of licensing is generally binding for copyright holders belonging to a specified group.
   The access to the material is specified separately.

2) Collective Licensing outside Extended Collective Licensing. Based on an Agreement between the copyright body and the organisation – ”Library”. The copyright body will respond to the possible claims. A funding mechanism is put in place.

3) Agreement directly with the individual holders of copyright.
   Is not suitable for Mass Digitisation
   This model is the guideline for the Finnish Electronic Library (FinELib)
WHO OWNS THE LONG TAIL?

Kuva 1.1: Ruskea alue vasemmalla kuvaa kivijalkakaupan valikoimaa verrattuna verkkokauppaan, ja siitä oikealle alkaa nk. pitkä häntä.
Thank you!