WAY TO A DIGITAL NATION

Framework for sharing our skills

KAI EKHOLM
National librarian, Finland
Paris, May 2006

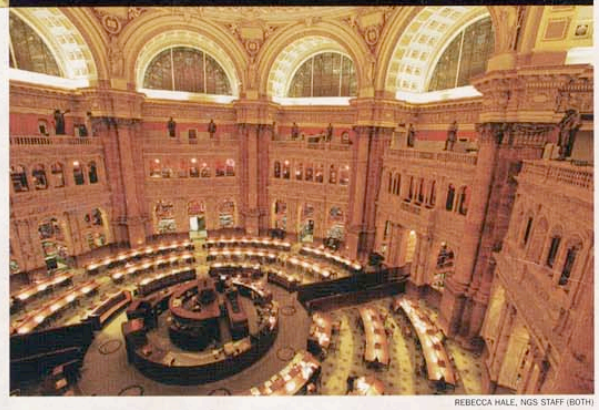
References: National Geographic, July 2005

My Seven

All Booked Up

James H. Billington *Librarian of Congress, historian, reader*

Even in an age when libraries are being digitized, there will always be a place for books. As Librarian of Congress, James Billington heads one of the most impressive "book places" of all. An advocate of libraries large and small, he says, "The pursuit of truth is what keeps us from pursuing each other." These are the libraries that have meant the most to him.



REBECCA HALE, NGS STAFF (BOTH)

1 **Nelson Billington's library** My father would bring home used books from Leary's, a Philadelphia bookstore, and read every night—often aloud. He inspired my own love of reading.

2 **Library of Congress** Perhaps the largest and most comprehensive library in history, our collections include books, maps, music, movies, graphic arts, and more. The Library of Congress (reading room at right) symbolizes the link between knowledge and democracy.

3 **Princeton University Library** I was free to roam the stacks of this wonderful browsing library both as an undergraduate and later as a professor.

4 **National Library of Russia, St. Petersburg** All through the Soviet period libraries were great havens and great storehouses of memory at a time when public culture was tightly controlled. This collection and its curators shaped my own study of Russian history and culture.

5 **Helsinki University Library** This is also the National Library of Finland—the only pre-revolutionary depository of the Russian Empire that ended up in the West after 1945. It's both a beautiful and efficient place to work. I went there to study its Russian materials; I came away with a love for Finland.

6 **Vatican Library** This beautiful library near the Sistine Chapel is a place for surprising discoveries. Here scholars can find gemlike collections that cover much of the opening of the modern world.

7 **New York Public Library** I learned about Russia from the strong collections here, but I also gained insight from the great variety of people that I found in the library's Slavic Reading Room. We'd sit side by side, quietly working. Then we'd all break for lunch to go to the nearby Automat—and argue. But as soon as we returned and passed between the library's stone lions, all was tranquil again.

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CHANCEN

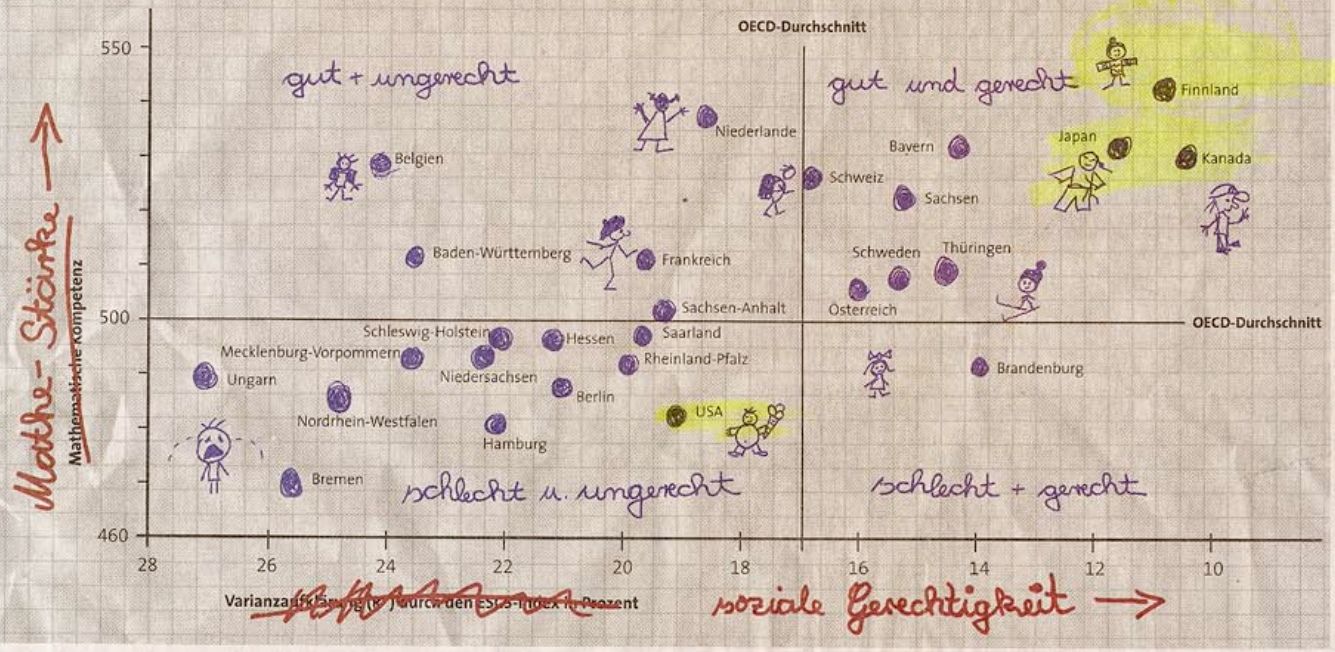


Illustration: Renate Dobratz; unter Verwendung von Daten aus der Voruntersuchung von Pisa 2003

LEISTUNG UND SOZIALE GERECHTIGKEIT IM ÜBERBLICK

Finnland (rechts oben) macht vor, wie es sein muss: Die Schüler sind gut in Mathematik (linke Skala), und ihre soziale Herkunft wirkt sich nur schwach auf die Leistung aus (untere Skala). Auch Bayern, Sachsen und Thüringen finden sich im erstrebenswerten Quadranten der Grafik – Leistungen und soziale Gerechtigkeit sind besser als im OECD-Durchschnitt. Bei den meisten Bundesländern ist es umgekehrt: Die Leistungen ihrer Schüler liegen unter dem Durchschnitt. Überdurchschnittlich hoch ist dagegen die Koppelung von Leistung und sozialer Herkunft

Pisa für Fortgeschrittene

Was die Ergebnisse der neuen Schulstudie bedeuten VON THOMAS KERSTAN

Tipps und Termine

Peace Studies bietet die Fernuniversität Hagen als interdisziplinären Studiengang an. Das nebenberufliche Studium mit dem Schwerpunkt Gewaltkonflikte schließt nach sechs Semestern mit dem Master ab. Die Gesamtkosten betragen 5600 Euro. Beginn ist der 1. Oktober, Bewerbungsschluss der 19. August. www.fernuni-hagen.de/FRIEDEN

Zu einem Kreativwettbewerb ruft die Denkfabrik berlinpolis Schüler im Alter von 12 bis 20 Jahren auf. Der gemeinnützige und überparteiliche Wettbewerb lehnt sich an die Antrittsrede des Bundespräsidenten zum »Land der Ideen« an. Die Teilnehmer sollen ihren Traum von Deutschland in Bild und Text beschreiben. Eingereicht werden können Fotoreihen (bis zehn Fotos) und maximal einminütige Kurzfilme. Die besten Beiträge werden veröffentlicht und erhalten Geldpreise. Einsendeschluss ist der 30. September. http://ideen.berlinpolis.de

DER BESONDERE TIPP ANZEIGE

Tel. 0228 956950

★High School
★Auslandspraktika
★Work & Travel

STEP IN

www.step-in.de

Geschichte-Umwelt-Stadt führt die TU Darmstadt zum Wintersemester als neuen Master-Studiengang ein. Im Zentrum der vier Semester steht die Frage, wie die städtische Lebensweise als historisch gewachsene Existenzform reformiert werden kann. Der Studiengang richtet sich an Historiker, Architekten, Bauingenieure, Soziologen und Kulturwissenschaftler mit erstem Hochschulabschluss. http://cms.ifs.tu-darmstadt.de/ma

Das Netzwerk Wege ins Studium hat eine Broschüre herausgegeben, in der Erwachsene ohne Abi-

Trends

- *Saving national heritage - creating the knowledge infrastructure*
  - *resource crisis*
  - *new funding needed to reach real results*
  - *cooperation would save money*
- *Awareness of the value chain*
  - *integrated technology*
  - *basic need for digitised large scale repositories*
  - *national value chain*

Three stages of knowledge societies

- *On the* **first stage** *there are plans for general digitising,building databases and digitising small projects.*

Second stage

- *A bigger national collection or digital resource is established.*
- *Joint programs with other memory institutions.*
- *National plans for digitising.*
- *No steady funding.*

Third stage

- *Permanent cooperation, permanent funding for digitisation.*
- *Whole value chain including long term preservation is secured.*
- *It produces opportunities for small business and gives invaluable resources for science, education and leisure.*

Obstacles of coordination

Area	Obstacles
Missing policy or strategy	*Lack of national strategy and funding* *Missing a national policy* *Not following a common European policy*
Cooperation and coordination	*Lack of national cooperation* *Lack of cooperation of national institutions* *Gap between EU strategies and national goals* *Missing synergy between IT and cultural programs*
Funding and resources	*Fragmented funding mechanisms* *Unsufficient funding from EU* *Unsufficient funding for digitisation and long term preservation*

Haag NRG meeting "Acceleration room"

What is still missing?

- *Missing European aspect*
- *Unwillingness to follow European guidelines and cooperation*
- *The benefit of institutional investment is unclear.*
- *Missing specialist and skills? - not the case in Finland and France*
- *Dissociation of digitisation and long term preservation.*

Obstacles

- *Big gap between cultural and IT programs.*
- *The weak compatibility of IPR for the demands of digital business.*
- *No clear sharing of tasks of the European institution, projects and networks - we all do the same!*
- *No certainty of the ownership of future digital contents of infrastructure.*
- *Fragmented funding mechanisms and goals.*
- *Unflexible national technical facilities and specialist roles.*

Channels for funding

- *Cultural ministeries*
- *US funding (East European and British projects)*
- *Heritage Lottery Fund (UK, Finland. ao.)*
- *EU-funding (Sweden: data handling for repositories in remote areas of the country)*
- *Royal Science Academy (Sweden)*
- *Local authorities - local administration (French model 50 - 50%)*

THE NETHERLANDS

- *Recent decisions for additional funding for the national library.*
- *2005 – 2007 national digitisation program gets 13 mill. euros.*
- *Yearly national budget for the development of ”information economy” 800 mill. €*

DENMARK

- *More ear marked money for digitisation outside the budget of memory organisations : 87 mill. DKK in 2002-2005*
- *Political decision of the parlament: 2004-2007 special interest in cultural digitisation and preserving*
- *Board for the library-museum-archive development by by cultural ministey: commong goals for the digital content, format, usability (first recommendations 2003).*

i2010 European Union Initiative for Digital Libraries

- *Viviane Reding*
- *36 mill. € to refresh tthe area*
- *Support EU libraries to deliver the national heritage*
- *http://ec.europa.eu/comm/commission_barroso/reding/index_en.htm*

iviane Reding

commissioner for information society and media

who I am what I do my team

The Information Society is crucial to achieving the Lisbon Goals of creating a competitive, sustainable and socially inclusive Europe where everyone, regardless of their health, wealth or location, can fulfil their potential... [more]

Roaming web site updated:

Are prices dropping?

eGovernment: Commission calls for ambitious objectives in the EU for 2010 (25/04/2006)
Hundreds of billions of euros could be saved for European taxpayers every year as a result of administrative modernisation in the 25
eGovernment Action Plan of 25 April. Information and communication technology is the key to modernising government services: m
take-up of electronic invoicing and electronic public procurement is predicted to save 300billion euros every year. All Member States
goals in Manchester last year. The action plan proposes concrete steps towards achieving these goals.

The European Library (TEL)

- *Portal for 43 European national libraries and their digital collections*
- *http://www.theeuropeanlibrary.org/*
- *LIBRARIES WILL BE DOMINANT PLAYERS IN DIGITAL CONTENT*

FINLAND: National collection

110 000 shelf meters

5 million documents

500 000 microfilms

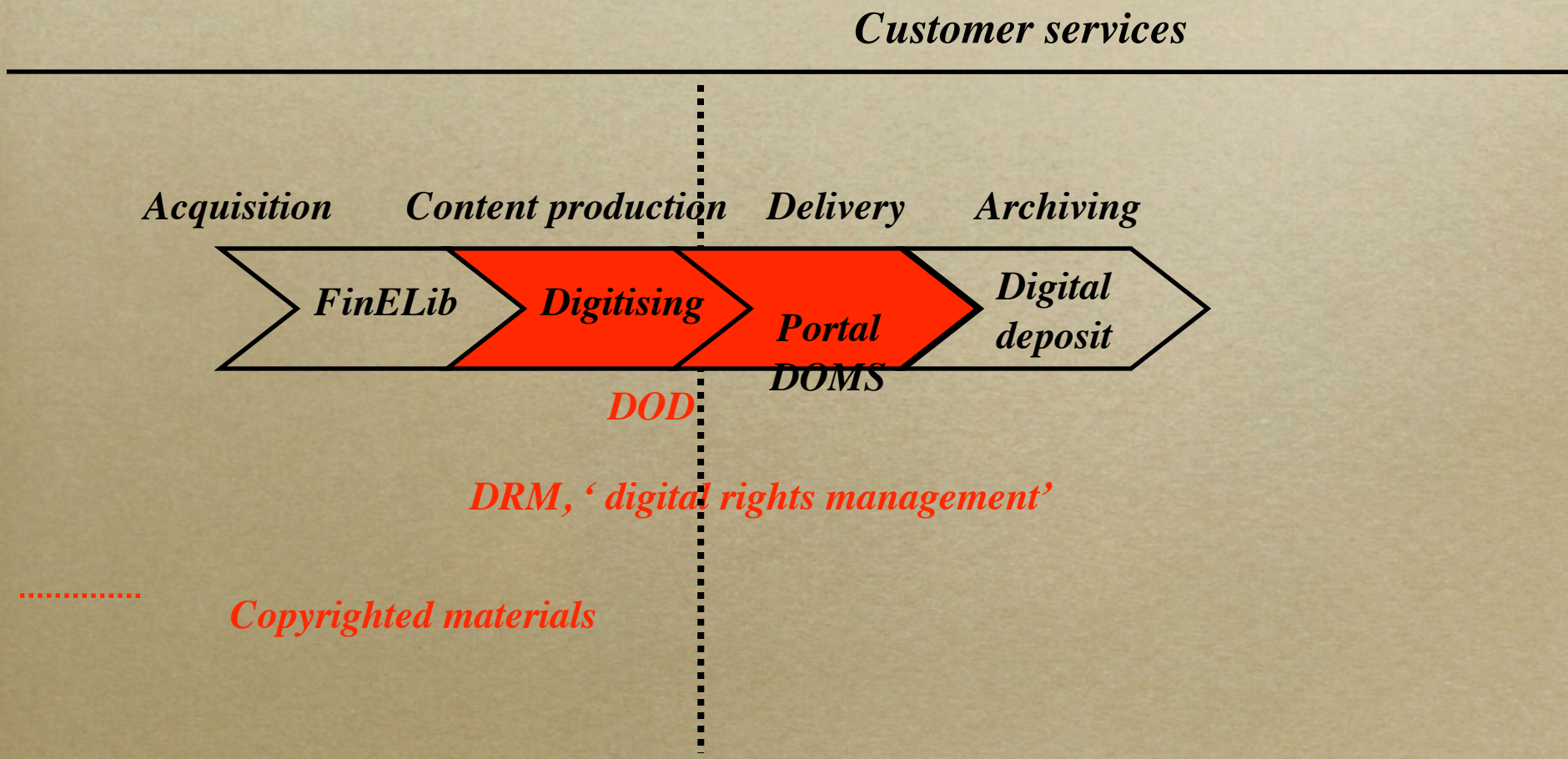
Hundreds of special collections

500 000 digitised newspaper pages - 1.5 m. users

COORDINATING LIBRARIES - MUSEUMS -ARCHIVES

- *eKAM activities*
- *Some eKAM activities have received government funding: the pre-study into a common interface for museum, archive and library material in 2003 and the benchmarking tool, which will have an important mission in gathering all digitisation projects in Finland into one database.*
- *It will also give the participants a possibility to evaluate and enhance the quality of digitisation.*

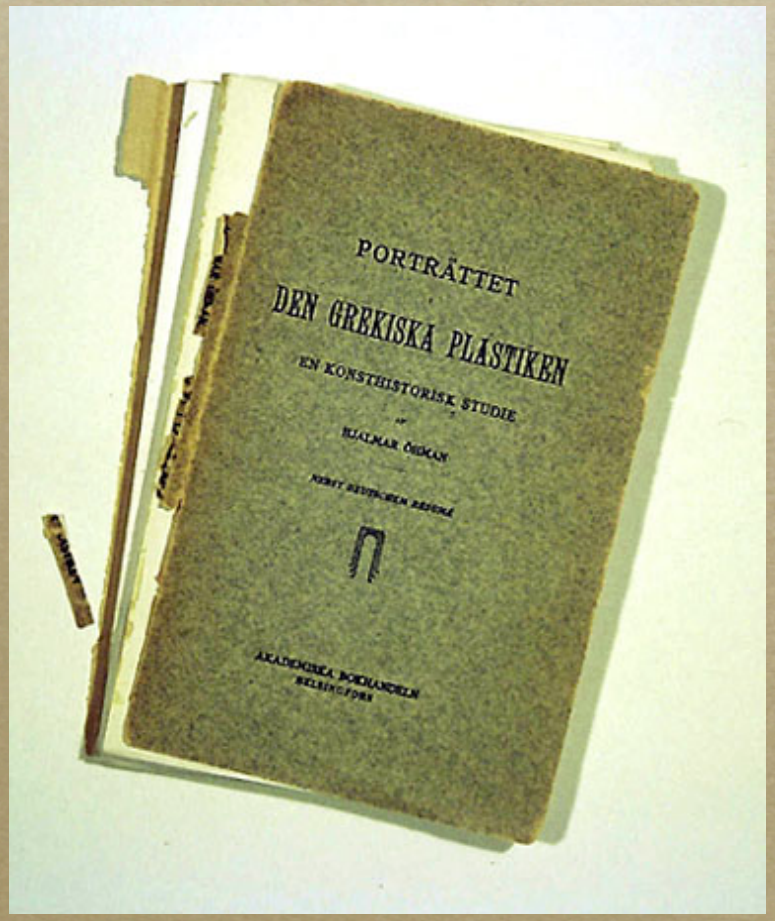
The digital value chain of the HUL



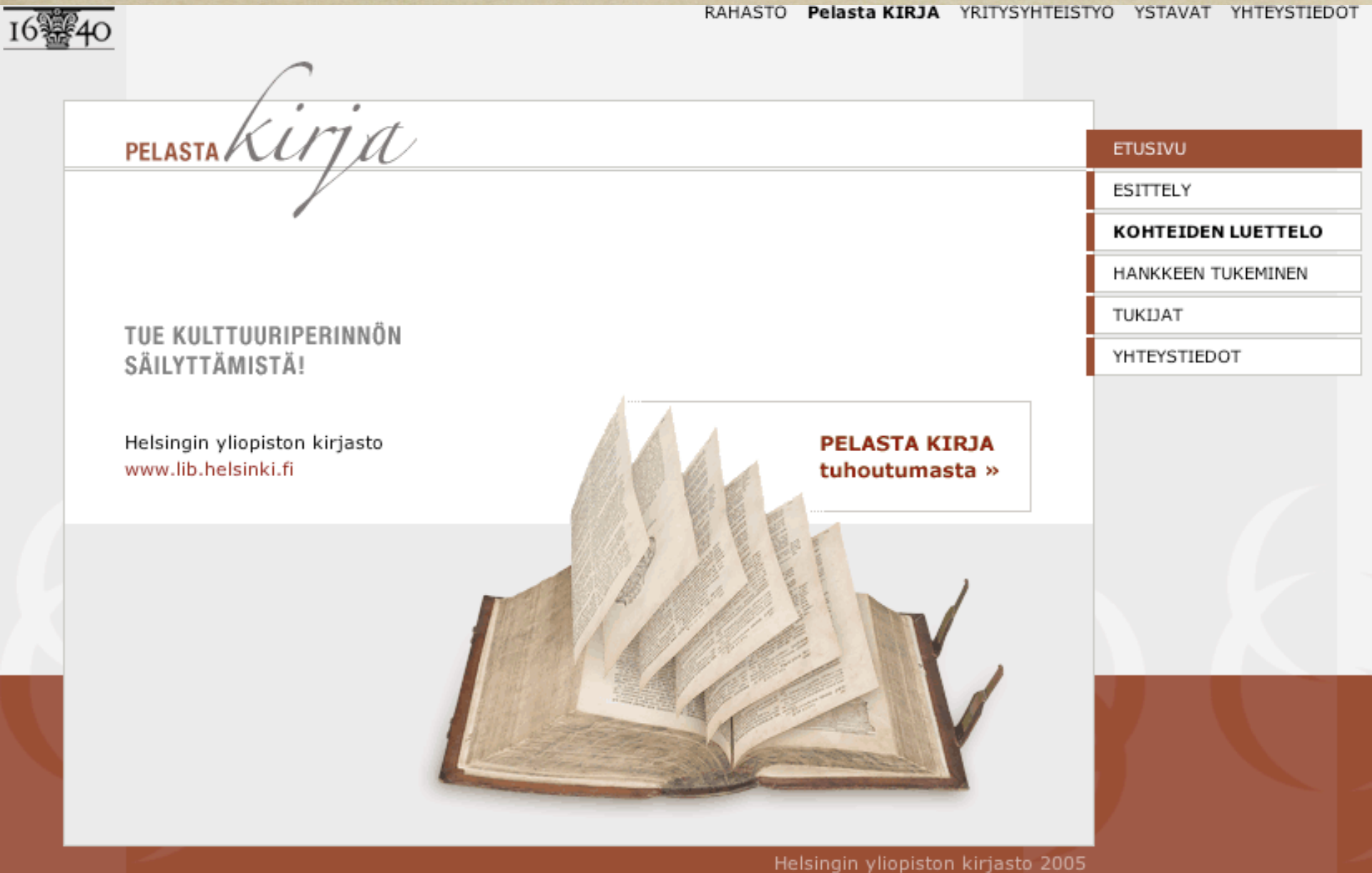
Finnish resources

- *Milestones like newspaper archive (900 000 pages), small prints of historical companies (115 000 pages)*
- *2.6 mill. downloads / year*
- *Funding from Ministry of Education: Information Society Programme, National Digitisation Programme: Historical Newspaper Library, Scientific Journals, infrastructure, digitisation based on the condition survey of the National Library Collection.*
- *100 00 books suffering for acification.*

Examples of condition survey: books and journals 1810-1944



Save a book project



Save a book project

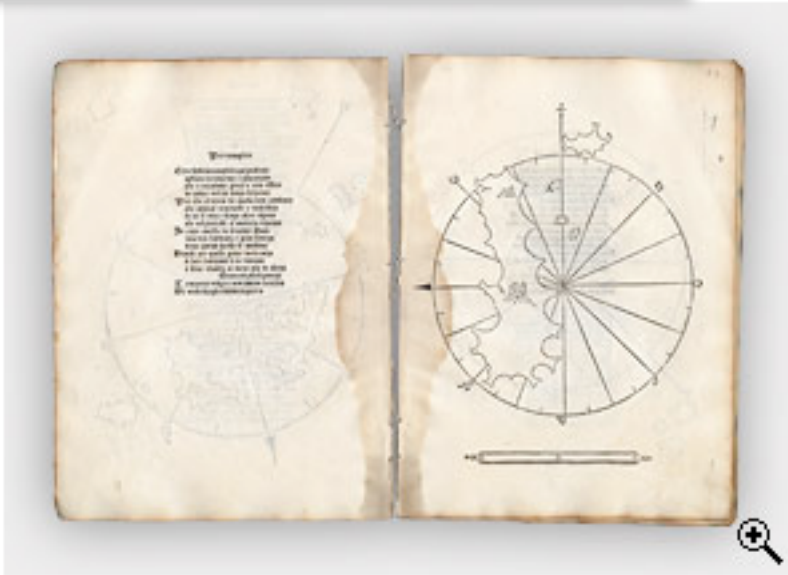
ULKOMAISIA ARVOTEOKSIA

601 Maailman ensimmäinen painettu erikoisatlas
Bartolomeo da li Sonetti (Zamberto), [ISOLARIO. Venezia: Guilelmus Anima Mia 1485].

« VALITSE

Tukisumma 3 000 euroa

601 Maailman ensimmäinen painettu erikoisatlas: Bartolomeo da li Sonetti (Zamberto), [ISOLARIO. Venezia: Guilelmus Anima Mia 1485].



Kyseessä on Egeanmeren saarien kartasto, jossa annetaan sonetin muodossa ohjeet Egeanmeren purjehdukseen. Atlaksessa on 49 puupiirroskarttaa saarista. Meren karit on merkitty symbolein – ristillä ja pisteillä, joita käytetään vielä tänäkin päivänä. Tekijää, venetsialaista Bartolomeo da li Sonettia, ei tarkemmin tunneta. Hänen nimensä on ilmaistu teoksen toisessa sonetissa:

Plans in Finland

Funding needed: 5 million €, 5 years

DIGITALIA - a service unit for museums, archives and libraries

Challenges on the EU level

- *Automation:*
  - *Cooperative programs/projects for different kinds of materials*
  - *Of digitisation*
  - *Metadata / coordinates for words*
  - *Import in databases*
- *In conjunction with this: large volumes of test material*
- *Multilinguality and automation of text converting software for older text (e.g. 19th cent.)*
- *Importance of language technologies (thesaurus, indexes) will be tremendous*

Digitisation program in the library sector

- Digitisation of medieval manuscript fragments
- 16th to 19th century: books, arch ballads and manuscripts
- 19th century:
  - digital newspaper library, journals, books, ephemera, images, posters, photos, maps, manuscripts
  - Special collections:
  - Nordenskiöld coll.