





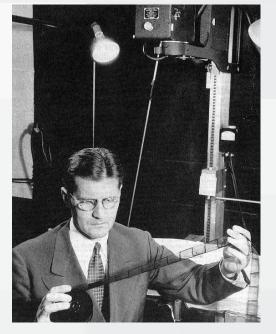
Early European Books

A Collaborative Approach to Digital Access

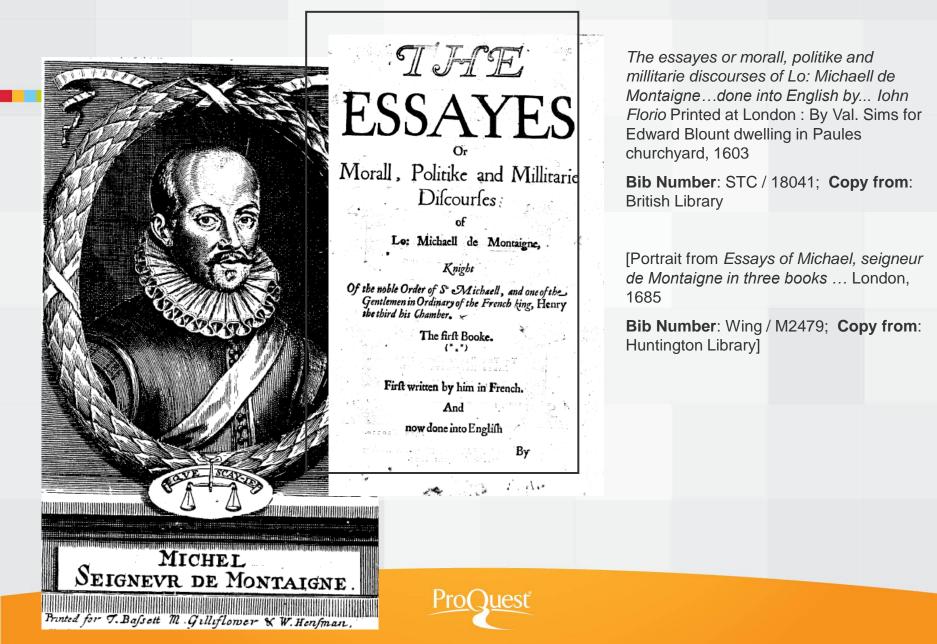
John Tsihlis, ProQuest

Pre-History: Early English Books Online

- Early English Books microfilm series begun by Eugene Power in 1930s
- University Microfilms founded 1938; filmed holdings of British libraries threatened by war damage, 1940-
- Bibliographic basis:
 - Alfred W. Pollard and G.R. Redgrave, A short-title catalogue of books printed in England, Scotland, & Ireland and of English books printed abroad, 1475-1640
 - Donald Wing, Short-title catalogue of books printed in England, Scotland, Ireland, Wales, and British America, and of English books printed in other countries, 1641-1700
- Finite & well-documented bibliography: 125,000 books
- Early English Books Online (EEBO) published 1998, now available in 1,600+ sites worldwide
- 128,000+ books filmed and digitised to date



Pre-History: Early English Books Online



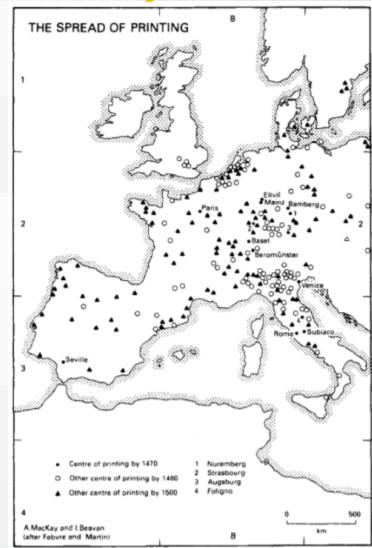
- Scope: all material printed in Europe or in European languages from the birth of printing (c.1455) to 1700
- Successor & complement to Early English Books
 Online (EEBO)
- Scan in colour from original volumes (not microfilm)
 - Scanning on site in libraries in Florence, The Hague, London, Copenhagen
 - Today's technology allows capturing every facet of the book in high resolution images
- Aim: to create a comprehensive digital library of the history of Western culture
 - EEBO's 125,000 books will become a subset of *Early European Books*







- EEBO only covers a fraction of books from the period:
 - By 1600, Europe had produced 345,000 books; only 4% are in EEBO
- No single catalogue for the whole of Europe
 - Efforts so far have been largely limited by national boundaries and collections
- Modern national boundaries are not relevant to this period
 - The modern states of France, Germany, Italy, Netherlands etc did not exist
 - Intellectual life was profoundly international



- Pilot collections:
 - The Royal Library, Copenhagen launched December 2009
 - Biblioteca Nazionale Centrale di Firenze, November 2010
 - 2,500-3,000 books / 500,000-600,000 pages each
- Next phase, 2011-
 - Installed in 4 libraries by end of 2011
 - Digitise 4 million+ pages per year from 2012
 - 50,000+ books at BNCF
 - 28,500+ books at Koninklijke Bibliotheek, Den Haag
 - 15,500 books at Wellcome Library, London
 - More to be announced soon
- Collaborate with existing digitisation projects and other projects interested in early modern print culture
- Partnerships with CERL Thesaurus and Universal Short Title Catalogue (USTC)





The Collaborative Model

ProQuest funds the creation of digital files and metadata

- ProQuest returns master copies to the source library
- Library owns master copies and can use them for facsimiles, digitisation on demand

Free access in country where the collection is held

- ProQuest has commercial rights to the collection elsewhere
- Royalty paid to Library
- Commitment to eventual open access
- ProQuest can use geo-IP recognition to provide free access to a single country from launch

Close consultation between ProQuest, the library and the scanning company to decide:

- Physical location of operation
- Logistics of providing books to scan operators
- Protocols for book handling



- Scan in high-res colour from original volumes (not microfilm)
- Include every page:
 - Covers, spines, blank pages, endpapers, loose inserts, foldouts, spines & edges
- Captures vital information about each book:
 - format, ownership, annotations, history of publishing & readership
 - Information which is often missing from other microfilm & scanning projects
- Specialist search and display interface
 - Designed around the specific needs of researchers using rare books







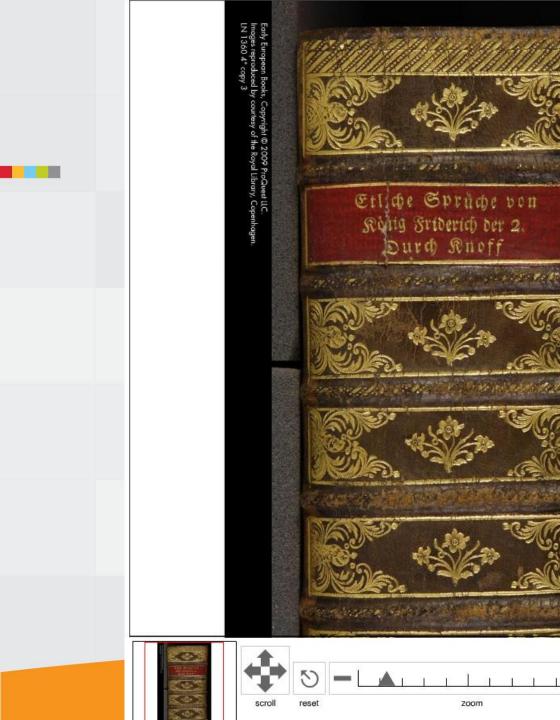
Early European Books: Challenges

- Book handling:
 - Fragile valuable items require expert handling
- Scanning:
 - Manual page turning required
 - Different sizes of books require different scanners
 - Fold-outs
 - Tight bindings mean some books can only be opened to 90 degrees
 - Capturing spines and page edges requires new photographing methods
- Metadata:
 - Accurately capturing page features (original page numbering, maps, portraits, illuminated letters)
 - Cataloguing, including copy-specific information









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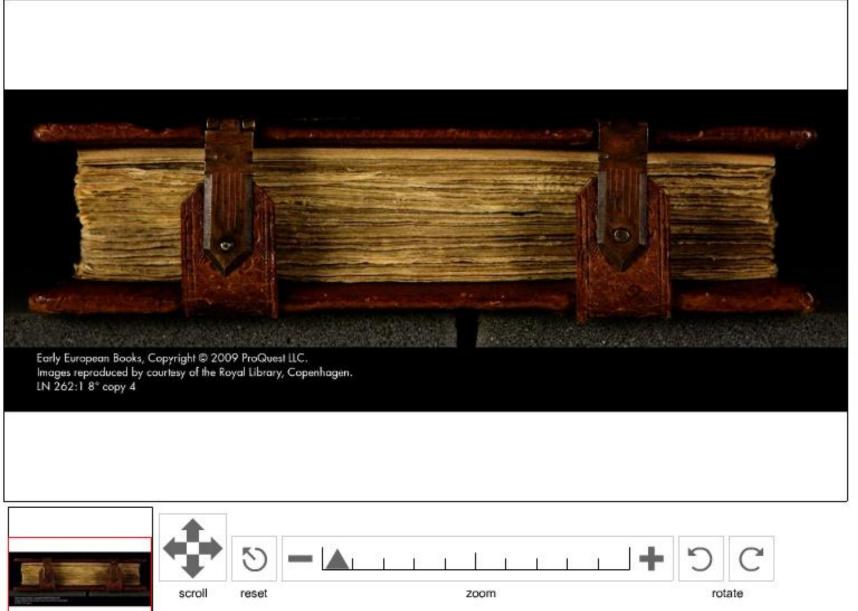
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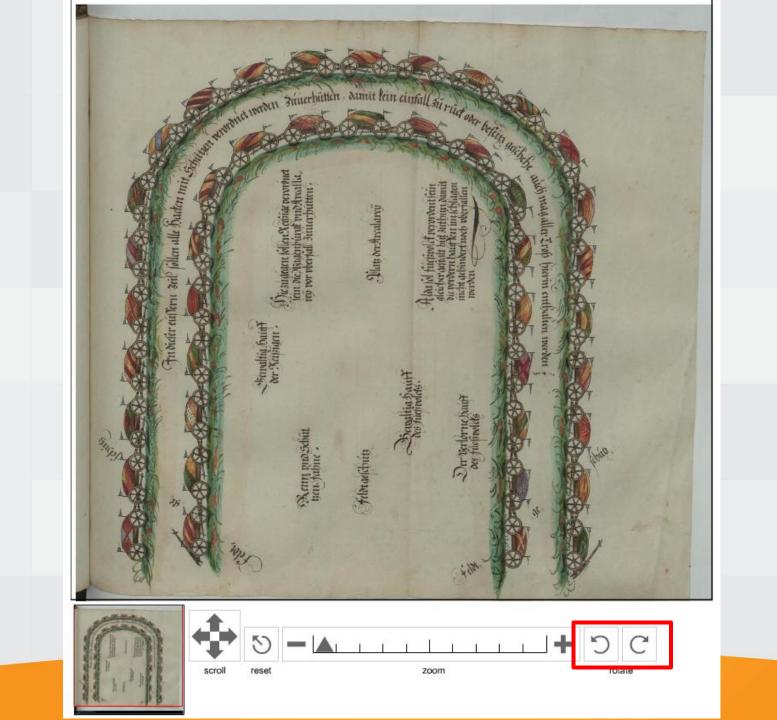
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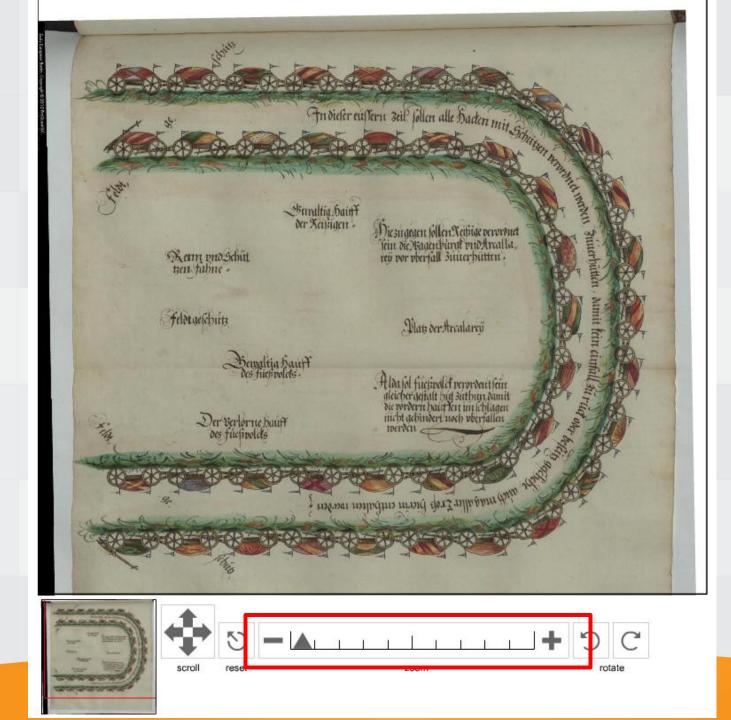
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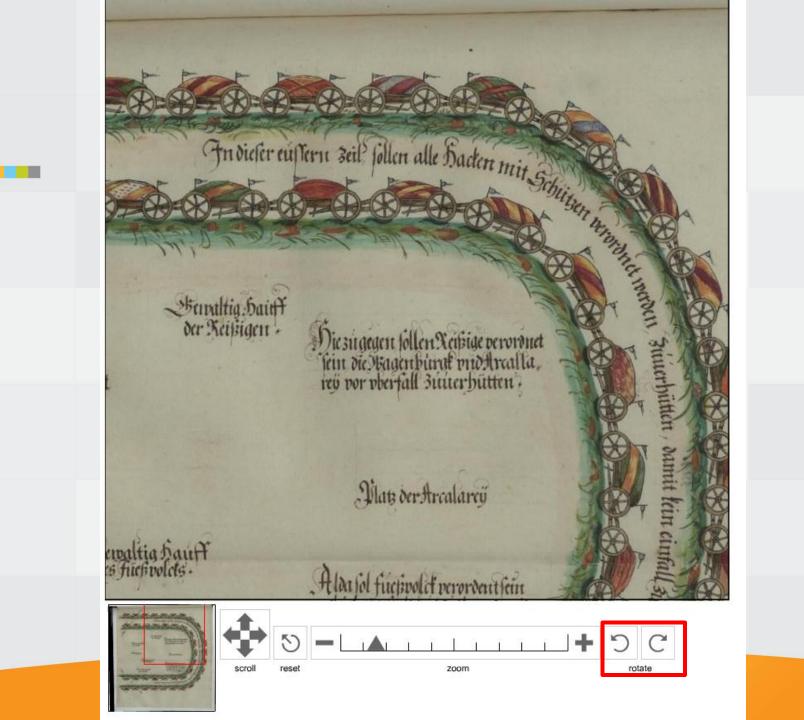
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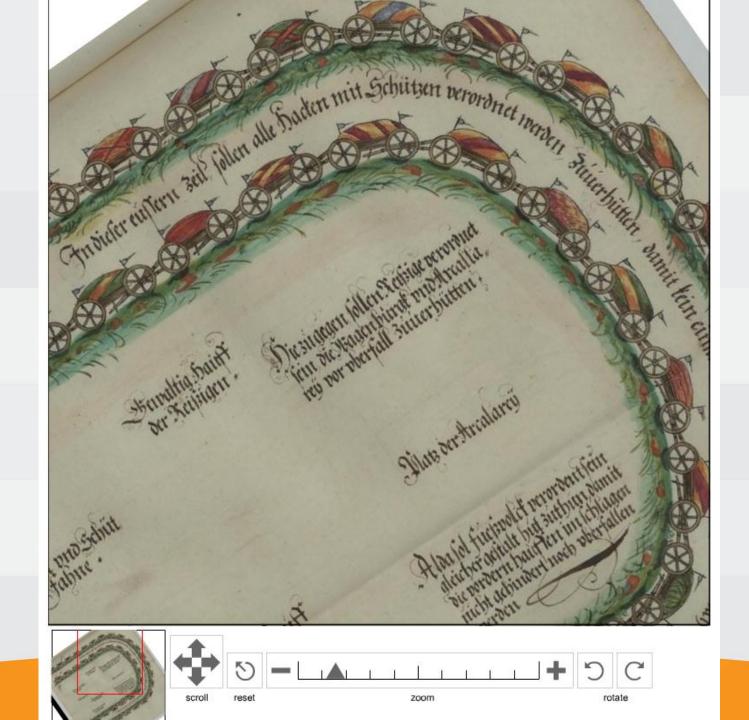
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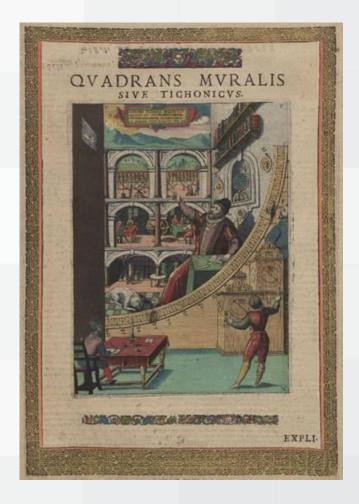






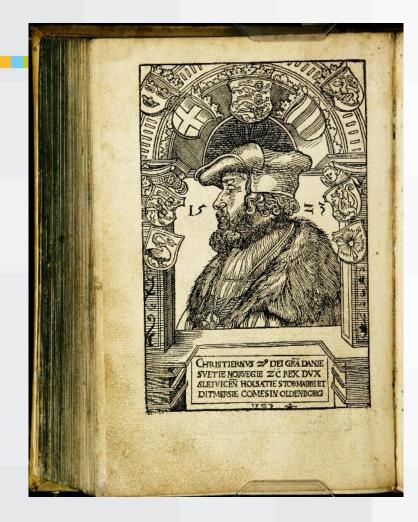
Early European Books: First Pilot

- Partnership with Royal Library, Copenhagen
- Released 2009
- 2,600 books, 500,000 pages
- Includes the library's entire holdings of items listed in the national bibliography, Lauritz Nielsen's Dansk Bibliografi 1482– 1600
- Also includes 16th and 17th-century imprints by the Danish astronomer and alchemist Tycho Brache (1546-1601) and follower Johannes Kepler (German, 1571-1630)





Collection 1 Highlights



- First books published in Denmark
 - Breviarium Ottoniense (Odense Breviary). Odense: Johan Snell, 1482
 - De obsidione et bello Rhodiano ('On the siege and war of Rhodes'). Odense: Johan Snell, 1482

Very rare New Testament

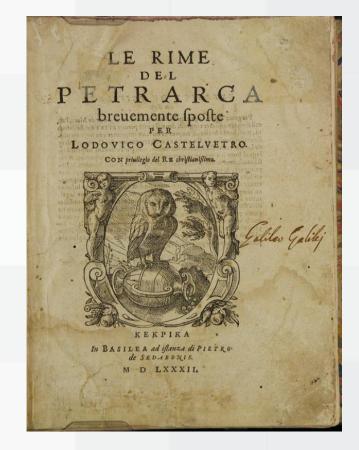
- First New Testament in any Scandinavian language, printed Leipzig, 1524
- Commissioned by exiled King Christian II, a Lutheran convert
- Woodcut of Christian II by Lucas Cranach (opposite) caused the book to be banned in Denmark, and was removed from most surviving copies

Saxo Grammaticus

 Several editions and translations of the Gesta Danorum, 1514 onwards

Early European Books: Second Pilot

- Partnership with Biblioteca Nazionale Centrale di Firenze (BNCF), Italy
- Released November 2010
- · 3,000 volumes, 600,000 pages
- March 2011 onwards:
 - Next phase digitization of all BNCF holdings pre-1700
 - 50,000+ books





Collection 2 Highlights



Quid dicam s quonam hoc compellem nomine monfirum d Biforme quod non eft homo, nec eft draco : Sed fine uir pedibus, fummis fine partibus anguis, Vir anguipes dici, thomiceps anguis poteft. Anguem pedit homo, hominem erucitauit T anguis, Nec finis hominis eft, initium nec eft fera. Sic olim Cecrops dociis regnauit Athenis, Sic T gigantes terra mater protulit Hac uafrum fpecies, fed religione carentem, Terrena tantum quiqu curet, indicat.

- Galileo's personal annotated copies of works by Euclid, Petrarch and others
- Every major early edition of Dante's *Divine Comedy*, including:
 - First printed edition, Foligno 1472.
 - First edition with modern commentary, Florence 1481.
 - First authoritative edition, Aldine Press, Venice, 1502
 - First edition with woodcut illustrating circles of Hell, Aldine Press, Venice, 1515
 - First printed edition of Boccaccio's *Decameron* [1470?]
 - Only four surviving copies listed in Incunabula Short-Title Catalogue
 - Alciati's *Emblemata* (pictured), which created the genre of the 'emblem book'
 - Andreae Alciati Emblematum libellus. Aldine Press, Venice, 1546.



Early European Books: KB Netherlands

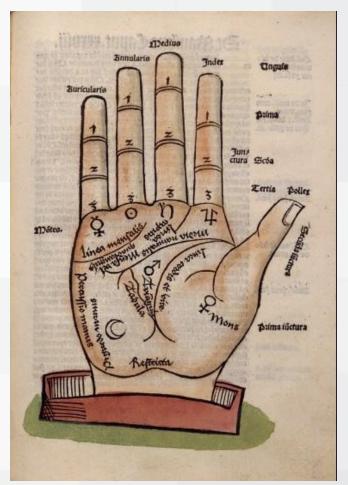
- Starting April 2011
- Koninklijke Bibliotheek, The Hague, Netherlands
- 28,500 books printed in the Netherlands to 1700
- 11,000 pamphlets from 1468 onwards
- Largest collection of Dutch incunabula in the world (45% of all known editions)
- Songbooks, occasional poetry, popular prose tales (chapbooks), atlases and surveys, bookbindings
- Possible addition of KB's non-Dutch pre-1700 holdings: a further 30,000 books



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Early European Books: Wellcome Library

- Starting July 2011
- Wellcome Library, London
- 15,500 books printed in Europe to 1700
- Specialist collection of books related to medicine and science
- · 'From alchemy to zoology'
- Encyclopedias, illustrated works of anatomy, botany and natural history
- Works previously owned by William Morris, Sir Hans Sloane, John Dee, Florence Nightingale



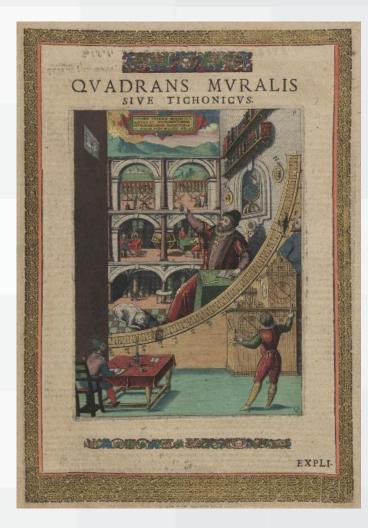


European Culture: Science

- Nicolaus Copernicus
 - From Turon, Royal Prussia (now in Poland).
 - *De Revolutionibus* (Latin, Nuremberg, 1543; EEB has Basel 1556 edition from BNCF)
- Tycho Brahe

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- From Scania (was Denmark, now Sweden)
- De Nova Stella, Latin, Copenhagen, 1573 (EEB copy from KBDK)
- · Johannes Kepler
 - From Free Imperial City of Weil der Stadt, in the Holy Roman Empire
 - Epitome astronomiae Copernicanæ, Latin, Linz (Austria), 1618 (EEB copy from KBDK)
 - Galileo Galilei
 - From Duchy of Florence
 - Discorsi e dimostrazioni matematiche, (Italian, Leiden, 1638; copy in Wellcome)





Early European Books. The Interface.

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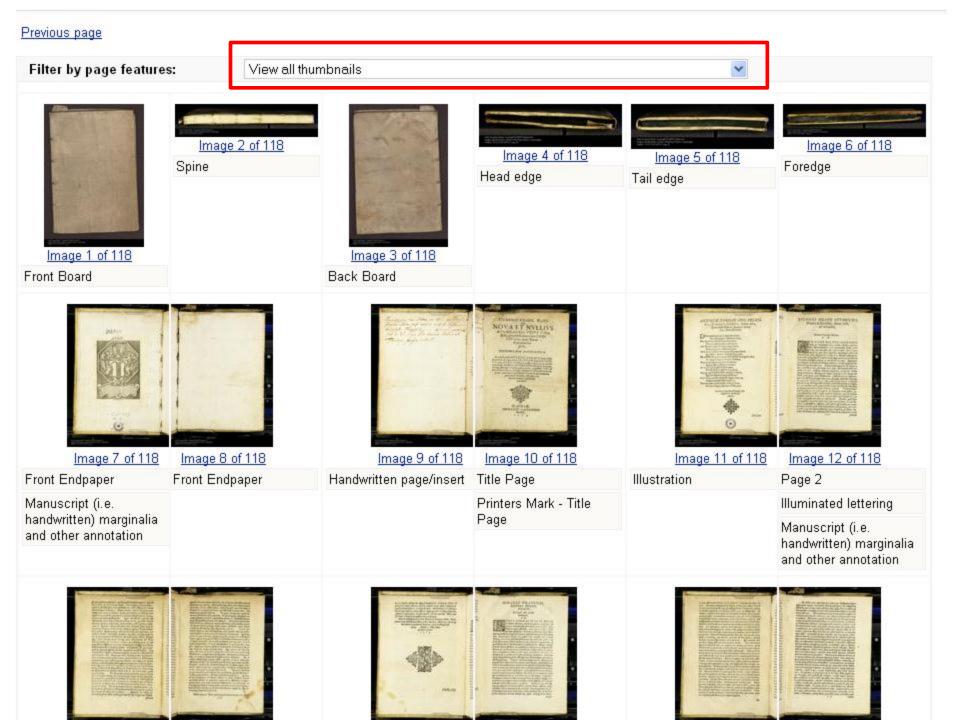
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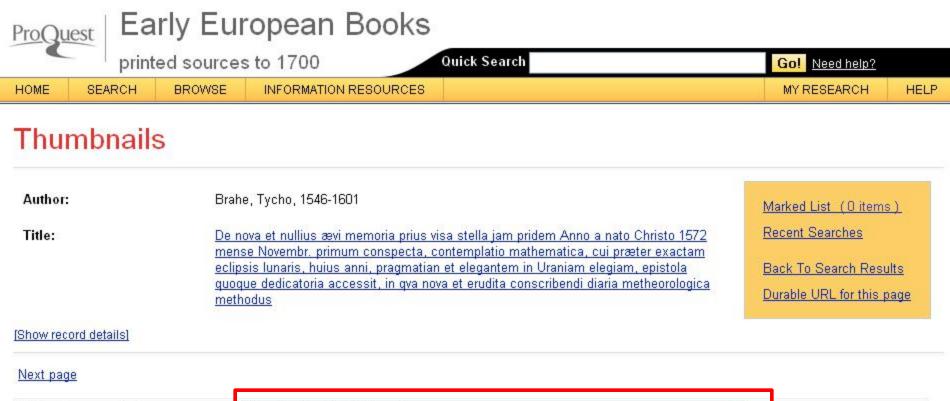
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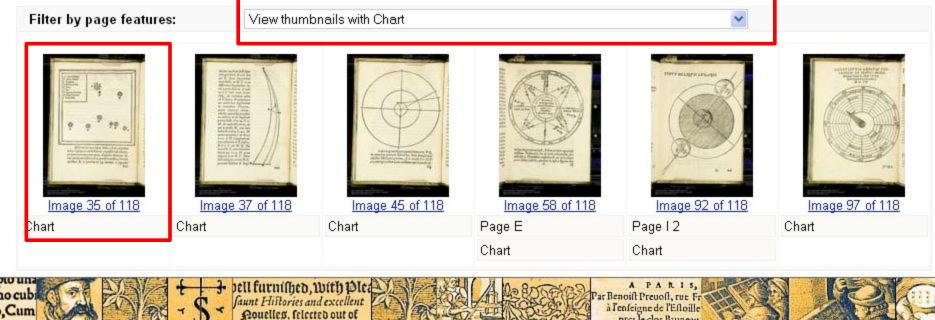
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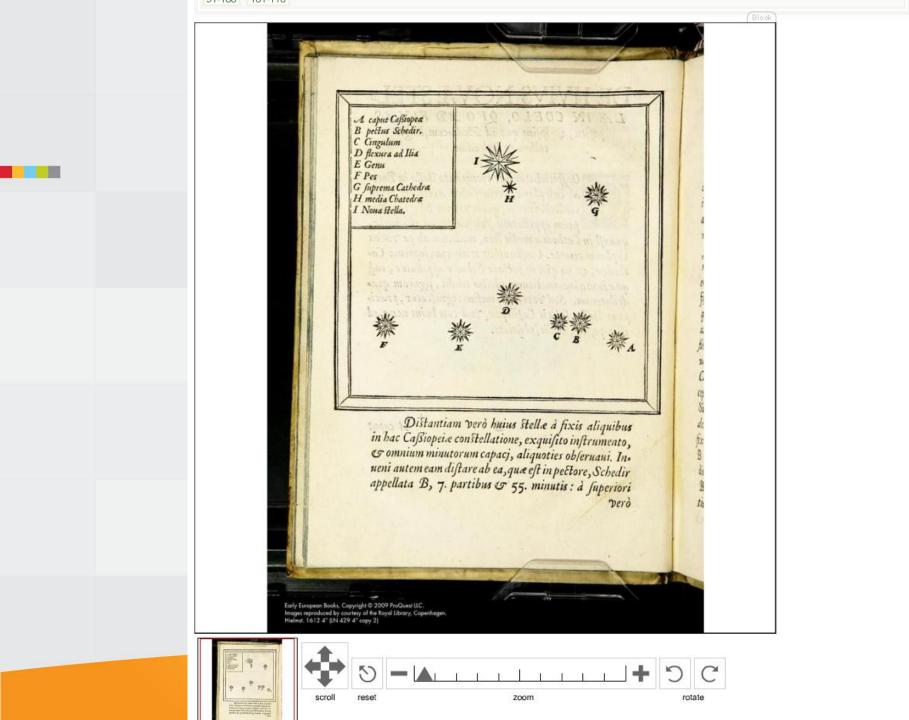






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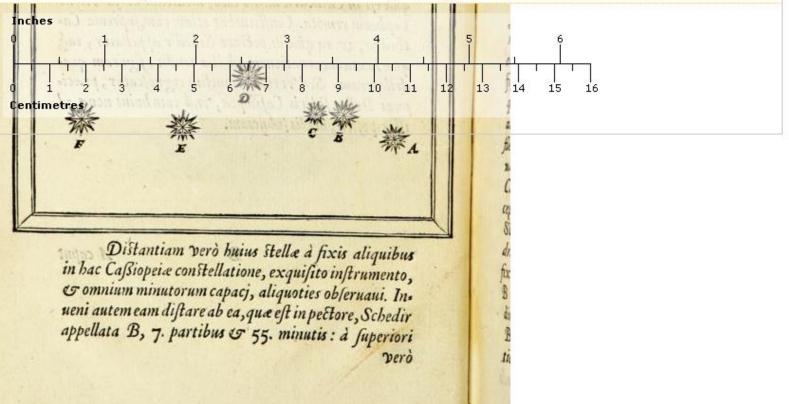
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Searching: CERL Thesaurus

Created by the Consortium of European Research Libraries (CERL)

- Database of variants of place names, author names & printer names
- Includes Latin forms and abbreviations (Venetii, Ventiis), historical variants (Venegia, Veneza), modern European forms (Venice, Venise, Venedig)
- Contains 70,000 records

Enhance searchability

- ProQuest's partnership with CERL allows us to integrate this data into our search
- We display one standardised form in the record, but users can search on any variants and get hits

Contribute to the Thesaurus

 When we find new variants in the EEB data, we feed this back to CERL for inclusion in the Thesaurus



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Early European Books: Responses

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LIBER is delighted to be associated with ProQuest's Early European Books project and with the vision to include all imprints from across the whole of Europe between 1475 and 1700. It is a compelling vision and will result in a magnificent tool for European scholarship. LIBER feel that a viable model has been established to create a high-quality resource with huge benefit to scholars, students and beyond Koninklijke Bibliotheek, The Hague, Netherlands

Dr Paul Ayris, President of the Ligue des Bibliothèques Européennes de Recherche (LIBER)

How do you rate a product that brings the contents of the great libraries of Europe to your desktop with this kind of precision, quality, and attention to detail? You give it a ten! When completed, EEB is going to fulfill the dreams of scholars around the world. A natural complement to EEBO, this is essential for every library supporting scholarly humanities research.

Cheryl LaGuardia, Library Journal, 04/01/2010



Conclusions (so far)

- A viable model to create a resource with huge benefit to scholars, students and beyond
- Allows students and scholars to discover rare copies and make new connections
- Superior to mass digitisation because it respects the unique characteristics of early modern works
- Advantage for libraries of working with an experienced and trusted partner
- If not yet "open access" then at least "opening up access"





Questions?



