E-CODICES AND FRAGMENTARIUM. BUILDING FOR AND BUILDING UPON THE INTEROPERABILITY PARADIGM.

Visual approaches to cultural heritages
CERL Seminar at ETH Zürich on Wednesday 14 March 2018

William O. Duba and Maria Widmer, project managers
Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project control
INTERNET SOURCES FOR MEDIEVALISTS

Edited and compiled by Robert Michael (rmichael@umassd.edu), with most contributions provided by Robert Duncan (duncanj@skyfox.usask.ca) and Erwin K. Welsch (ewelsch@vms.macc.wisc.edu)
Other Resources
GOPHER:
ANSAXDAT - Memorial University, gopher morgan.ucs.mun.ca
/Libraries & Electronic Publication/ANSAXDAT
- Database, archives and resources for ANSAXNET

ELECTRONIC IMAGES
Bodleian:     ftp rsl.ox.ac.uk
- Images from the Bodleian Library
DScriptorium: ftp slow.inslab.uky.edu
/DScriptorium

ELECTRONIC TEXTS
Oxford Text Archive:  ftp ota.ox.ac.uk
/ota
- A collection of many texts. Order form required (can be obtained from this site)
Gutenberg Project:   ftp ftp.usask.ca

Press RETURN for more...
Digital Libraries, First Generation
Interoperable Digital Platforms

pilot project CESG – Codices Electronici Sangallenses (Digital Abbey Library of St. Gall)
HISTORY – 2008-2012

Virtual Manuscript Library of Switzerland
HISTORY – 2013-2016

- Part of swissuniversities’ program “Scientific Information: Access, processing and safeguarding”
- New web application
HISTORY – 2014: NEW WEB APPLICATION

e-codices v.1.29

e-codices v.2.0
March 2018: 1947 documents from 79 collections online
NINE GUIDING PRINCIPLES

1) Manuscripts
2) Research Library
3) Switzerland
4) Multilingualism
5) Quality Reproductions
6) Quality Metadata and Search Functions
7) Interoperability
8) Manuscript Education
9) Open Access
INTEROPERABILITY – PRINCIPLE

• “We seek to create the most comprehensive network possible and to enable automated sharing of images and metadata using a variety of interfaces.”[https://www.e-codices.ch/en/about/key_aspects](https://www.e-codices.ch/en/about/key_aspects)
INTEROPERABILITY – MEASURES I

Old webapplication:

- Quality Metadata - Descriptions encoded in XML (TEI-P5)
- OAI interface
- Open Access
INTEROPERABILITY – EXAMPLES
INTEROPERABILITY – MEASURES II

New application:

- SharedCanvas Data Model
- Loris Image Server with integrated International Image Interoperability Framework API (http://iiif.io/)
Virtual Manuscript: *sine loco*, codices restituti / Cod. 3 (Biblia Theodulfi, Fragmenta) – Biblia latina (Vulgata recensione Theodulfi)....

Physical Manuscript: Solothurn, Staatsarchiv / R 1.5.40 – Biblia latina (Vulgata recensione Theodulfi). Fragmenta. / f. R 1.5.40-1
mandated by Virtual Manuscript Library of Switzerland
INTEROPERABILITY – IMAGES

Example: Mirador (http://projectmirador.org/)
Fragmentarium

Digital Research Laboratory for Medieval Manuscript Fragments

Fragmentarium enables libraries, collectors, researchers and students to publish images of medieval manuscript fragments, allowing them to catalogue, describe, transcribe, assemble and re-use them.

Case study 7: Fragments with Musical Notation in the Herzog August Bibliothek

The Wittenbüttel collection – two boxes full of music – offers a comprehensive collection of liturgical manuscripts spanning the period from the eleventh to the early seventeenth century. Although at first glance many of the manuscripts seem rather sober, they provide candid testimony to the development of ecclesiastical libraries, even if only in a few cases their place of origin can be identified. Moreover, these documents record the liturgical practice, and through it the cultural heritage of Central Europe. Antje Hoffmann (Weimar) received her MA in musicology in 2015. In addition to her studies, she has worked at the Free State of Thuringia Music Archive Weimar, the library of the University of Music Franz Liszt Weimar, and for several projects...

NEWS

14 FEB 2018
Simmons College Students Reconstruct Book of Hours
Lisa Fagin Davis’ Simmons Library Science students have published their reconstruction of part of Otto Ege’s “50 Original Leaves” no. 30, by uploading, cataloging, and sequencing 27 known leaves from 27 different collections. Their work validates Fragmentarium’s promise, both as a platform for reconstructing massively dispersed manuscripts and as an instrument for bringing research into the

UPCOMING EVENTS

8 MAR 2018
Berner Mittelalter Zentrum, Bern
Fragmentarium director Prof. Dr. Christoph Fleischer will speak on “Digital Research Laboratory for Medieval Manuscript Fragments”

14 MAR 2018
Visual Approaches to Cultural Heritage, ETH Zurich
Project managers William Duba (Fragmentarium)
São Leopoldo, UNISINOS Memorial Jesuíta, 338215

Plutarch, Philopoemen

http://www.fragmentarium.ms/view/page/F-wzqn/624/10415
Chartres, Médiathèque l’Apostrophe, Ms. 54
Origenes, Explanatio super Pauli epistolam ad Romanos

http://www.fragmentarium.ms/view/page/F-qhsb/507/7394
(à paraître)
FRAGMENTARIUM: PROJECT HISTORY

- January 2014: First Planning Meeting, Geneva
- June 2015: Project Start
- June 2016: First Case Study Workshop, Fribourg
- May 2017: Second Case Study Workshop, Wolfenbüttel
- September 2017: Fragmentarium Launch, Second Planning Meeting, St. Gallen
- Spring 2018: Launch of *Fragmentology* E-Journal
- Autumn 2018: Third Case Study Workshop
- December 2018: End of Phase I
- January 2019: *Fragmentarium* Phase II
Current (Red) and Planned (Blue) Collaborations, Worldwide
Book of Hours (Use of Paris)

Cleveland, OH, Cleveland Public Library, F Z109. E304

http://www.fragmentarium.ms/view/page/F-qux7/633/10444
Fragmentarium: a Model for Digital Fragmentology

In the early 1990s, I was a graduate student at Yale working on a PhD in Medieval Studies. My dissertation focused on a fragmentology project, although that word would not be coined for decades. Seventeen leaves from a twelfth-century antiphonal from the Austrian Benedictine abbey of Lambach (on the Danube about halfway between Salzburg and Vienna) had made their way to Yale’s Beinecke Rare Book and Manuscript Library, and for my thesis I reconstructed the manuscript as much as possible – adding to the seventeen Yale leaves four leaves still in Lambach, two in the abbey of St-Paul-
It works. I had a look at the Fragmentarium site and the latest additions. One looked familiar and matched 3 leaves I had out at the time (it probably isn’t always this easy).

I think Harvard University, Houghton Library, MS Typ 959 – [http://fragmentarium.ms/overview/F-2wsc](http://fragmentarium.ms/overview/F-2wsc) is a match for our Elliott MS 2/1-3

[https://n2t.durham.ac.uk/ark:/32150/t2m6q182k16v.html](https://n2t.durham.ac.uk/ark:/32150/t2m6q182k16v.html) which makes a case for identifying the Harvard leaf as coming from a Gradual formerly at Bradford Academy

[https://sdbm.library.upenn.edu/entries/33781](https://sdbm.library.upenn.edu/entries/33781)

---

**Lisa Fagin Davis**  
February 28, 2018 at 7:14 am

This is amazing!!! Have you contacted Bill Stoneman at Houghton with this news? He will be thrilled!
quod canere nescio neque audire scio.

Psalmus 119:"Omnes tempus tuae salutis, oncem in utroqui, ut nunc innumerabilis inimici mei destruerent, ita ut iniquitatem meam iniquitatem mea transibant ut iniquitatem meam iniquitatem mea."
Bradford Gradual – Reconstructed Quire/Book
Parchment: 4 leaves · 1401 – 1500 CE · Central Italy · 310 × 230 mm
F-81my
Multiple, Dispersed Virtual Reconstructions,

Permalink: http://fragmentarium.ms/overview/F-81my
http://fragmentarium.ms/metadata/iiif/F-81my/manifest.json

Image Rights:
©

How to quote:
Multiple, Dispersed Virtual Reconstructions, – Bradford Gradual
(http://fragmentarium.ms/overview/F-81my)

Online Since: 03/11/2018

Scholarly description(s):
- not available

F-81my is a reconstruction of:

Social Tags
There are no social tags for this document.

Century:
15th century

Text Language:
Latin

Script Type:
Southern Textualis

Liturgica:
Gradual

Summary:
Identification of MS by Dr. Richard Higgins, Durham University
QUESTIONS ? CONTACT:

Website:
• www.e-codices.ch
• www.fragmentarium.ms

E-mail:
• maria.widmer@unifr.ch
• william.duba@unifr.ch