



# VisColl

🌀 A new model for the description  
of the collation of manuscripts  
and related tools 🌀

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CLIR Postdoctoral Fellow in Data Curation in Medieval Studies  
Preservation Research and Testing Division, Library of Congress


Digital Medievalist Director

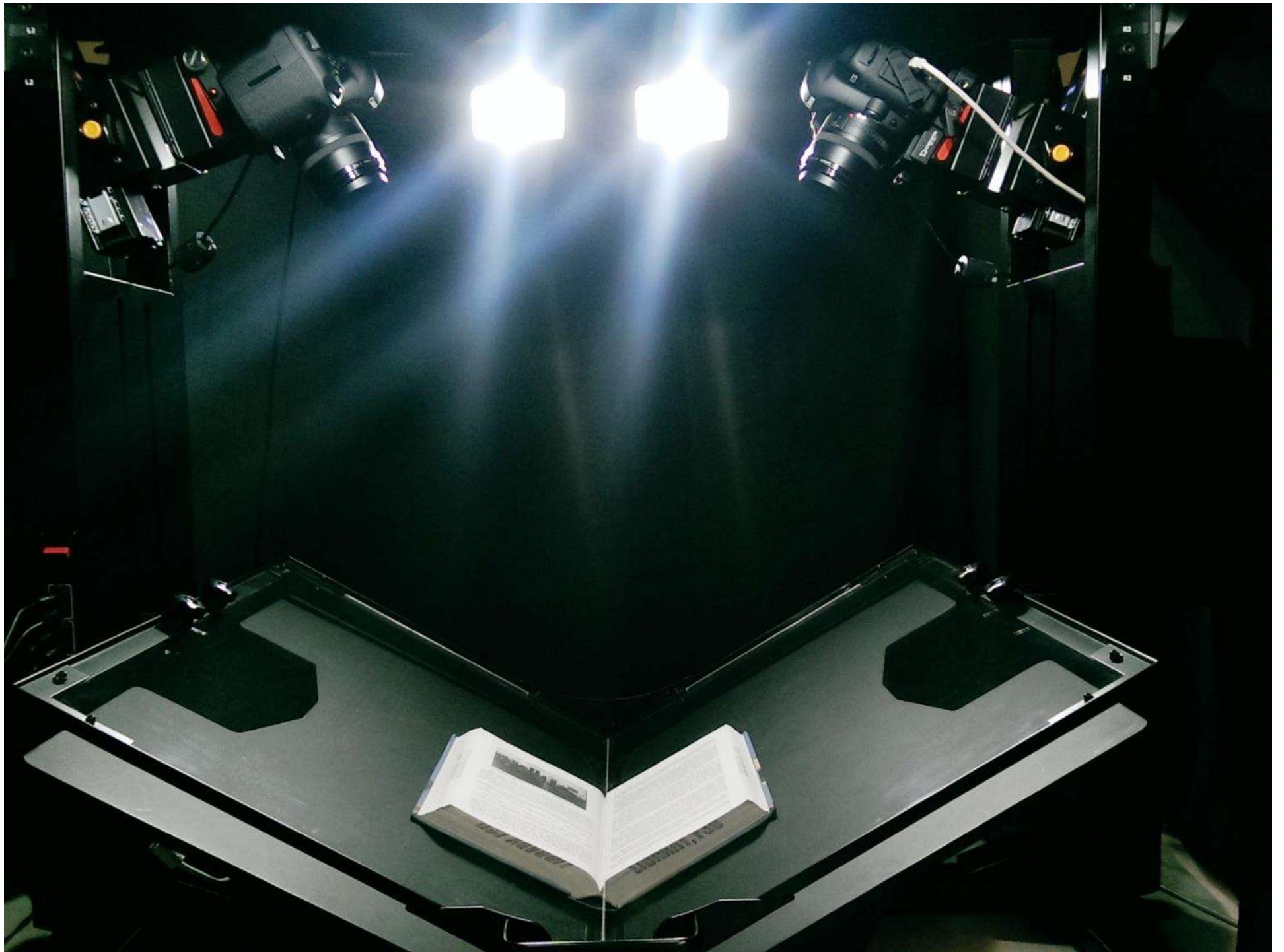
[alberto.campagnolo@gmail.com](mailto:alberto.campagnolo@gmail.com)

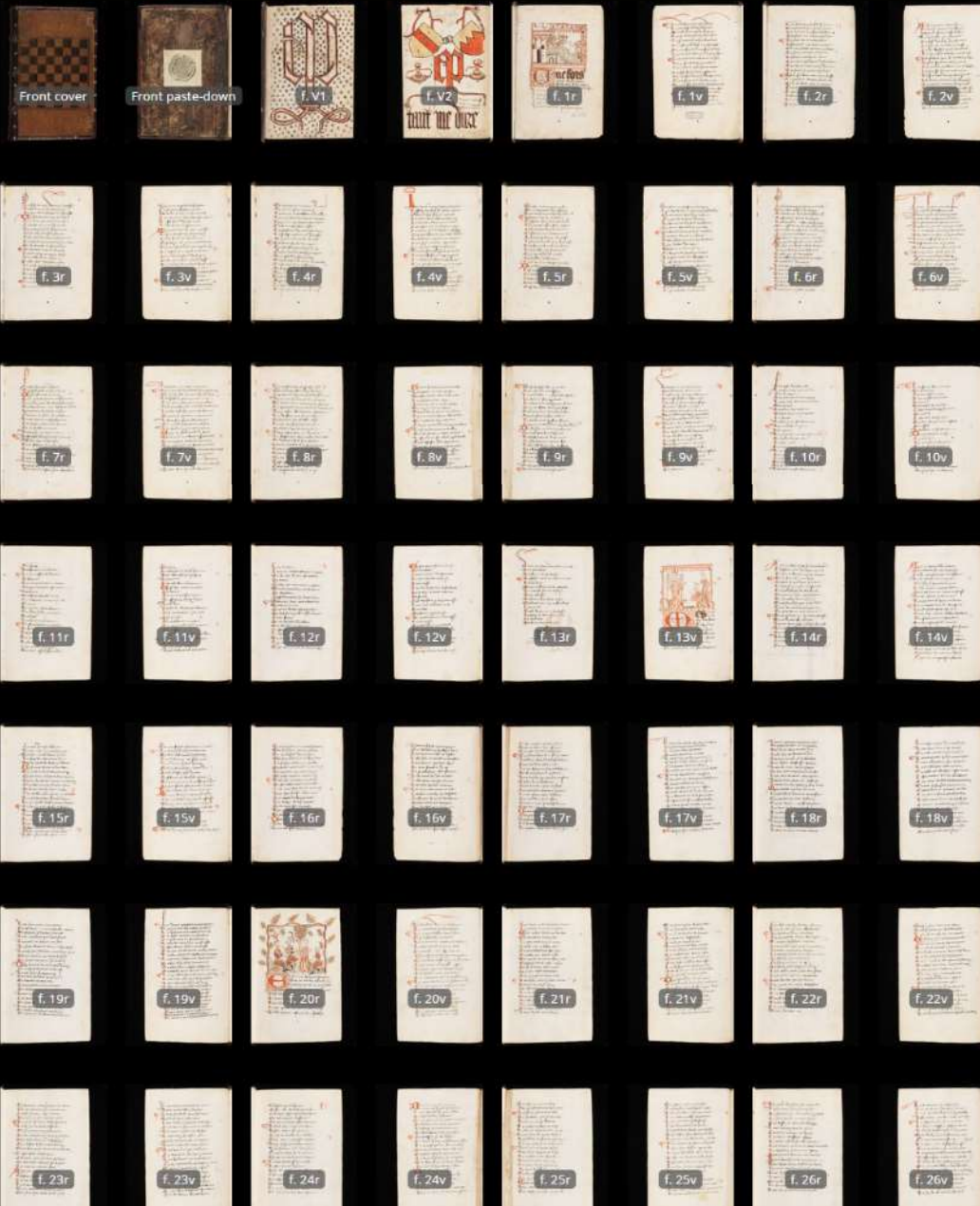
 [@acampagnolo](https://twitter.com/acampagnolo)

 [orcid.org/0000-0002-8672-8400](https://orcid.org/0000-0002-8672-8400)

Manuscript cataloguing a comparative perspective  
10<sup>th</sup> May 2018







Basic Information How to quote Rights

Description

Lausanne, Bibliothèque cantonale et universitaire de Lausanne, Ms 350

Paper: 181 ff. · 22 x 14,5 cm · about 1430

Othon de Grandson, Les Responses des cent Balades

[Go to Overview Page](#)



Language: French



**Manuscript Summary:** Othon de Grandson, knight and poet, distinguished himself both through his verses and through his heroic deeds during the Hundred Years War. He was an adviser to Count Amadeus VII of Savoy. After the death of the count, he fled to England. After his return to the land of Vaud he died in an ordeal by battle in the form of a duel in Bourg-en-Bresse in the year 1397. Othon de Grandson probably wrote his poetic works between 1366 and 1372. This collection volume also contains ballads by thirteen different authors. (Swc)

**Standard description:** Notice codicologique de Simon Schwery, Bibliothèque cantonale et universitaire de Lausanne, 2010.

[Show standard description](#)

Online Since: 03/31/2011

< Back  + ADD VIEW English 

READ MORE  

**Details**

**Shelfmark** Pal. lat. 2

**Title** Biblia, Vetus Testamentum (Genesis–Liber II Paralipomenon cum prologis Hieronymi et capitulis)


**Date** 1. Hälfte 9. Jh.

**Language** lat

**Place** Lorsch

**Rights**

**Attribution** Images Copyright Biblioteca Apostolica Vaticana


**Logo** 

**Links**

**See Also** <https://digi.vatlib.it/mss/detail/Pal.lat.2>

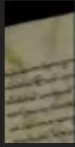
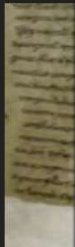

**IIIF manifest URI**

**COPY** [https://digi.vatlib.it/iiif/bav\\_pal\\_lat\\_2/manifest.json](https://digi.vatlib.it/iiif/bav_pal_lat_2/manifest.json)




**Page URL**

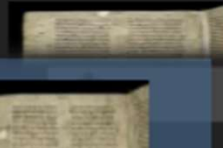
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LAST



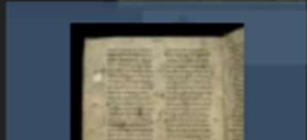
7r



8r



8v



5v



Page: 12v

View Mode:

Book of hours / f. 12v + f. 13r



Page: 12v

g. xvii.  
a. xvi. kl.

e. xii. Scti thome apli  
f. xi. kl.  
g. x. kl.  
a. ix. kl. Vigalia.  
b. viii. Natiuitatis domi nri ihu x.  
c. vii. kl. Scti stephni pthominis.  
d. vi. Scti iohannis ap. et euange.  
e. v. kl. Scorum innocetum.  
f. iiii. Scti thome archiepi  
g. iii.  
a. ii. Scti siluest. pp. et of.

**Codex Sinaiticus** Contact | Copyright | Sitemap

HOME ABOUT CODEX SINAITICUS ABOUT THE PROJECT SEE THE MANUSCRIPT GO TO: (Book) ▾

choose a passage: Jeremiah ▾ Chapter 1 ▾ Verse 7 ▾ Quire: 46 ▾ Folio: 3 ▾ r ▾

display options:  Image  Translation  Transcription  Physical Description

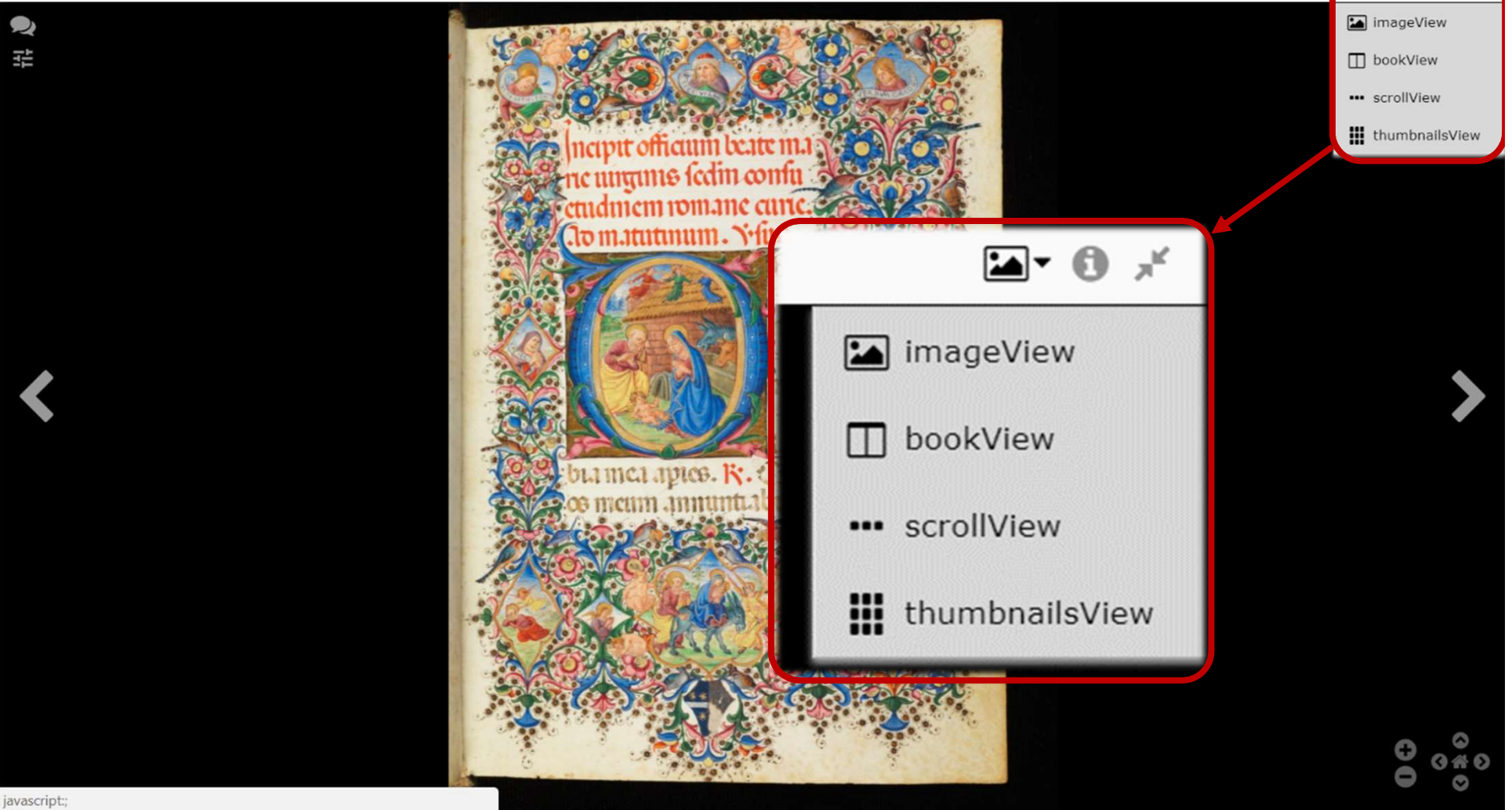
Jeremiah, 1:7 - 2:16 library: BL folio: 60b scribe: B1

Image Standard Light Raking Light i

choose a page: Quire: 46 ▾ Folio: 3 ▾ r ▾

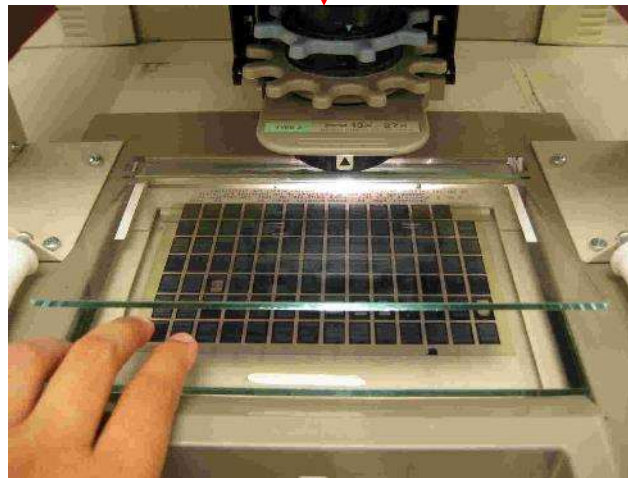
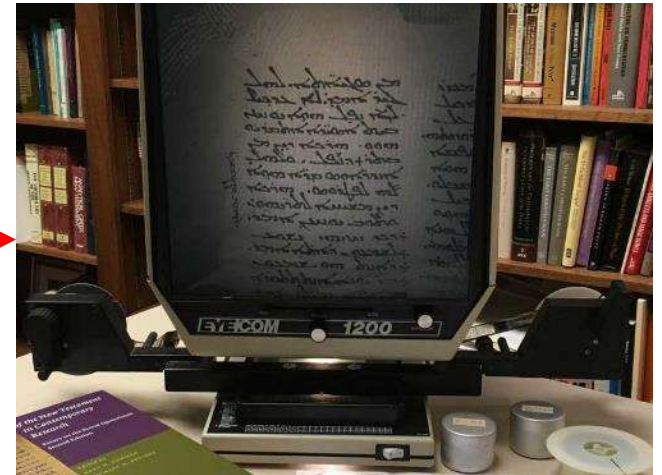
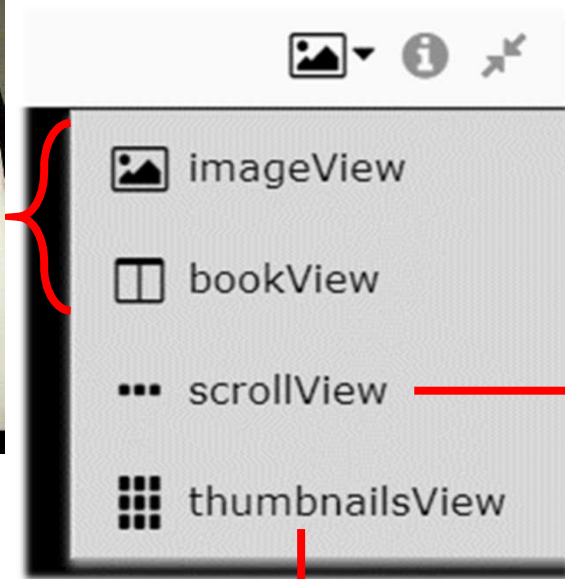
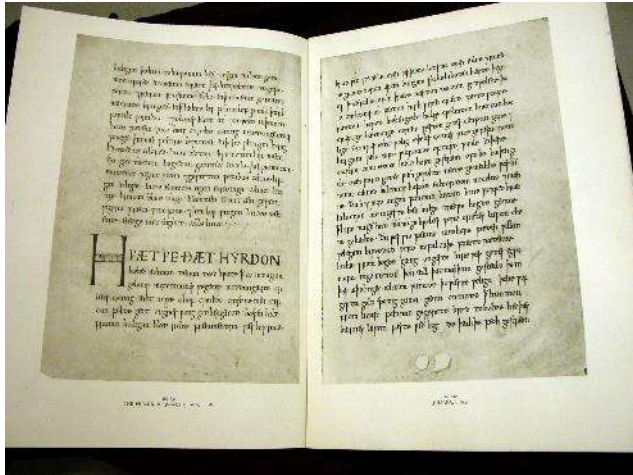
Supported by DFG Arts & Humanities Research Council IZN SNF RSS

<http://www.codexsinaiticus.org/en/manuscript.aspx?book=15&lid=en&side=r&zoomSlider=0>



javascript;

[http://www.e-codices.unifr.ch/en/mirador/bge/cl0054/bge-cl0054\\_013r](http://www.e-codices.unifr.ch/en/mirador/bge/cl0054/bge-cl0054_013r)







# DOT PORTER DIGITAL

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MARCH 18, 2018 BY ADMIN

## Using VisColl to Visualize Parker on the Web: Reports on an experiment

*This is the full text of a talk I presented at the [Parker on the Web 2.0 Symposium](#) in Cambridge on March 16, 2018 (Please note addendum at the end which addresses an issue that came up in discussion later in the day.)*

<http://www.dotporterdigital.org/using-viscoll-to-visualize-parker-on-the-web-reports-on-an-experiment/>

Sea

RECE

Work

Using

Repor

Ceci r

**books  
in  
codex form**



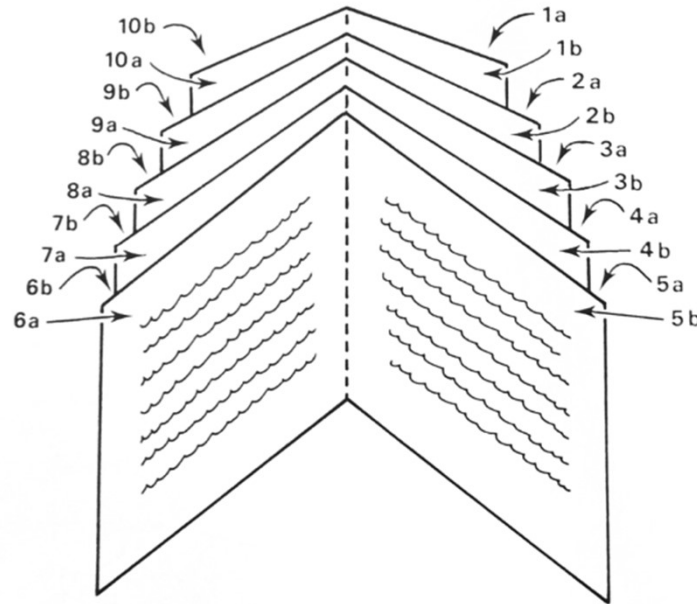
10/05/2018

11



Lausanne, Bibliothèque cantonale et universitaire de Lausanne / Ms 350 /  
 ff. 1r-3r(www.e-codices.unifr.ch).

# GATHERING / QUIRE



A group of folded or single leaves which can be used either singly or with other gatherings to create a textblock.

<http://w3id.org/lob/concept/2286>



The gathering is the ultimate working unit of the codex.

(Andrist, Canart, Maniaci 2013: 50)

# gathering assembly description

# *collation formulas*

i, 1-9 (8), 10 (6), 11-20 (8), 21 (7), i

I-III<sup>8</sup>, IV<sup>10</sup>, V-IX<sup>8</sup>

IV(32), IV-1(40), 9 IV(120), IV-4

1-4<sup>8</sup>, 5<sup>2</sup>, 6<sup>4-1</sup>, 7-10<sup>10</sup>



**NOT STANDARDIZED**

# VIS@OLL

the manuscript collation project



# *dramatis personæ*

**Dot Porter — SIMS\* — IDEA & XSLTs<sup>°</sup> for webpages**

**Doug Emery — SIMS\* — Collation formulas parsing & consultation**

**Dennis Mullen — SIMS\* — Webpage development**

**Alberto Campagnolo — SVG<sup>°°</sup> diagrams (via XSLT<sup>°</sup>) & consultation**

*\* Schoenberg Institute of Manuscript Studies, University of Pennsylvania Libraries*

*° Extensible Stylesheet Language Transformations - [www.w3.org/TR/xslt](http://www.w3.org/TR/xslt)*

*°° Scalable Vector Graphics - [www.w3.org/TR/SVG/](http://www.w3.org/TR/SVG/)*

# *the original idea*



In TEI\* manuscript descriptions we have:

- Collation formulas or other descriptions
- Digital images of each page

↪ New visualization tool showing the structure of the original ms

- visualization diagrams
- webpages

\**Text Encoding Initiative - [www.tei-c.org/index.xml](http://www.tei-c.org/index.xml)*

# VIS@OLL 0.1

phase I - prototype:  
from collation formula to xml



# The Schoenberg Institute for Manuscript Studies

University of Pennsylvania Libraries

*Bringing manuscript culture, modern technology and people together*

## THE MANUSCRIPT COLLATION PROJECT

Select a manuscript ▼

Dot Porter

Curator for Digital Research Services

Schoenberg Institute for Manuscript Studies

dorp@pobox.upenn.edu

<http://dorpdev.library.upenn.edu/collation>


# The Digital Walters

The Digital Walters

## DESCRIBING MANUSCRIPTS WITH TEI

**CONTENTS**

- Manuscript level information
  - General Information
  - Authors, Scribes and Artists
  - Languages
  - Support
  - Extent
  - Collation
  - Binding
  - History
  - Genre and keywords
  - Bibliography
- Manuscript item level information
  - Manuscript item title
  - Manuscript item description
  - Authors, scribes, and artists
  - Colophon
  - Text features
  - Layout
  - Hand description
  - Decoration
- Manuscript piece level information
  - Decoration
- Images



To ensure broad access to our manuscript descriptions and adherence to standards, the Walters has adopted the [TEI P5 guidelines](#) for its manuscript cataloging. The TEI is a widely used international standard for the encoding and description of texts and documents of many types. We generate machine readable manuscript descriptions in XML.

# The Digital Walters

## COLLATION

The following collation information is collected.

- Collation formula
- Catchwords
- Signatures
- Comments

## TEI

Collation information mapped to the TEI in this way:

Formula mapped to: `collation/formula`

`/TEI/teiHeader/fileDesc/sourceDesc/msDesc/physDesc/objectDesc/supportDesc/collation/p/formula`

Catchwords mapped to: `collation/catchwords`

`/TEI/teiHeader/fileDesc/sourceDesc/msDesc/physDesc/objectDesc/supportDesc/collation/p/catchw`

Signature mapped to: `collation/signatures`

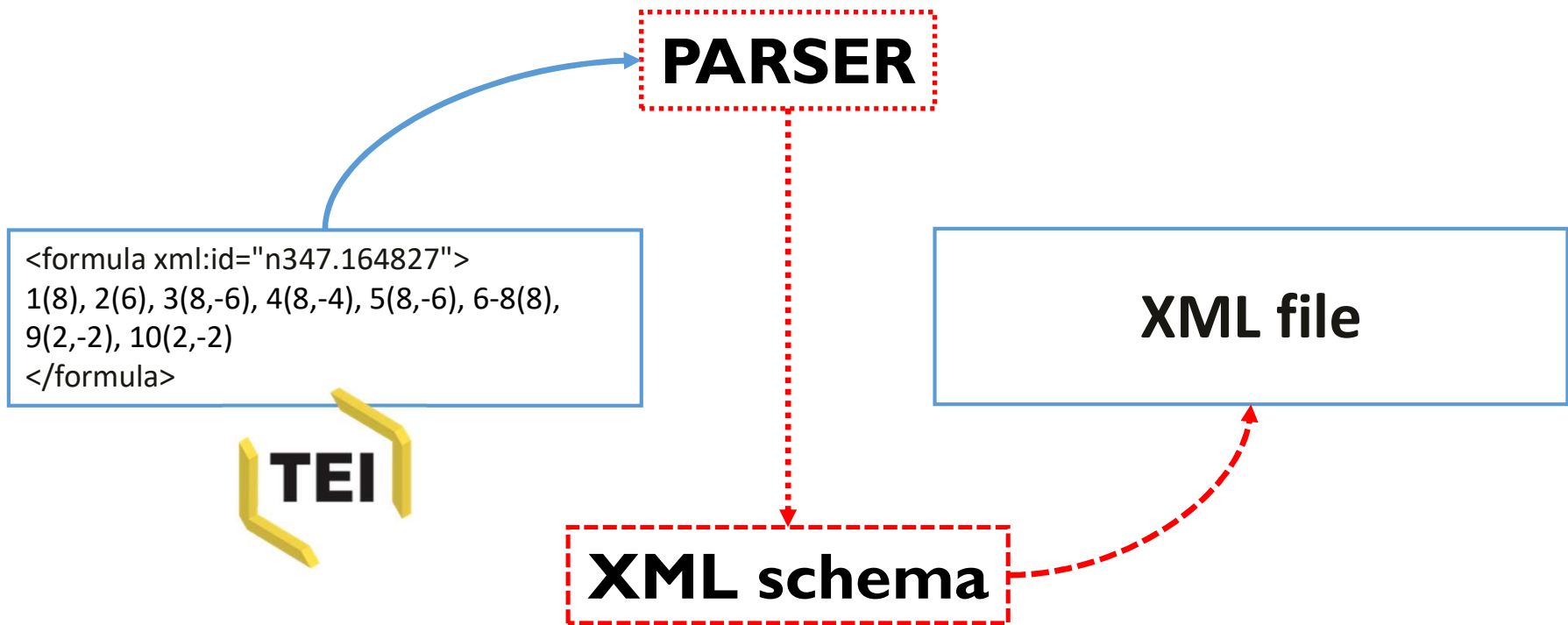
`/TEI/teiHeader/fileDesc/sourceDesc/msDesc/physDesc/objectDesc/supportDesc/collation/p/signatu`

Comments mapped to: `collation/p`

`/TEI/teiHeader/fileDesc/sourceDesc/msDesc/physDesc/objectDesc/supportDesc/collation/p`

Example:

```
<collation xml:id="n347.164827">
  <p>
    <formula xml:id="n347.164827">
      1(8), 2(6), 3(8,-6), 4(8,-4), 5(8,-6), 6-8(8), 9(2,-2),
      10(2,-2)
    </formula>
  </p>
</collation>
```



```

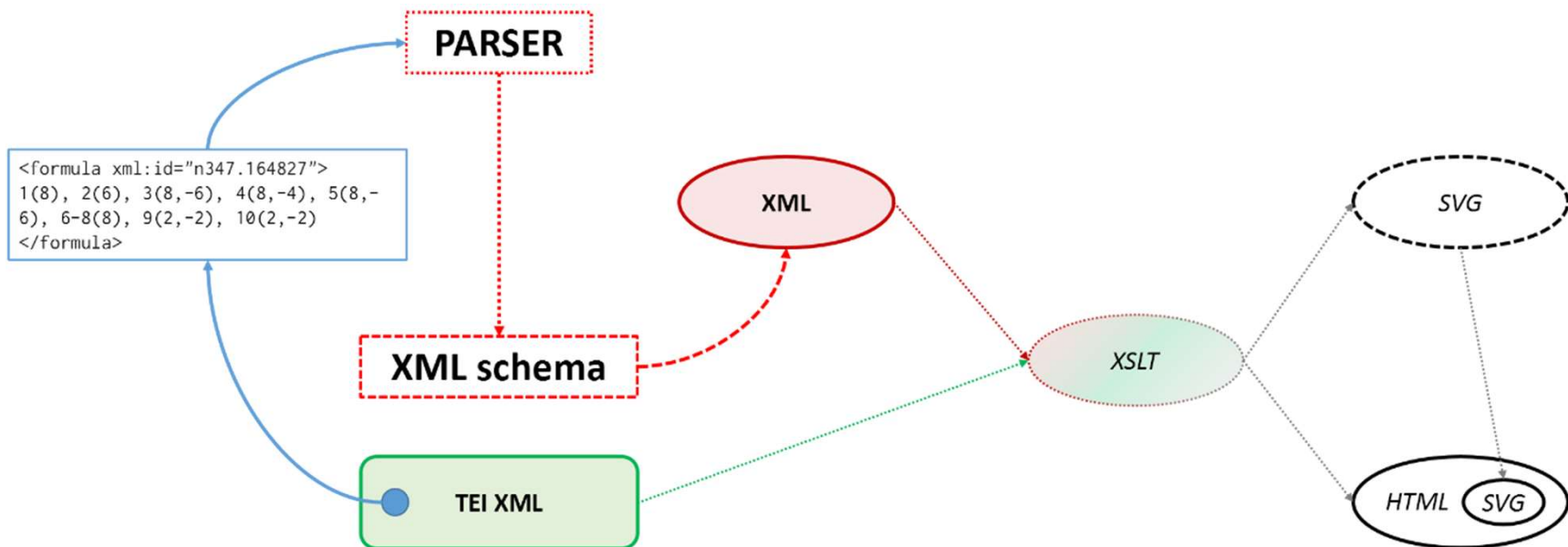
<?xml version="1.0" encoding="UTF-8"?>
<quires xmlns:tei="http://www.tei-c.org/ns/1.0"
  xmlns="http://www.schoenberginstitute.org/schema/collation">
<!--Formula: 1(8), 2(6), 3(8,-6), 4(8,-4), 5(8,-6), 6-8(8), 9(2,-2), 10(2,-2)-->
<!--Quire string: 1(8),2(6),3(8,-6),4(8,-4),5(8,-6),6-8(8),9(2,-2),10(2,-2)-->
<quire n="1" positions="8"/>
  <quire n="2" positions="6"/>
  <quire n="3" positions="8">
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  </quire>
  <quire n="4" positions="8">
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```



# VISCOLL

## PROTOTYPE



# problems with collation formulas

# *collation formulas*

i, 1-9 (8), 10 (6), 11-20 (8), 21 (7), i

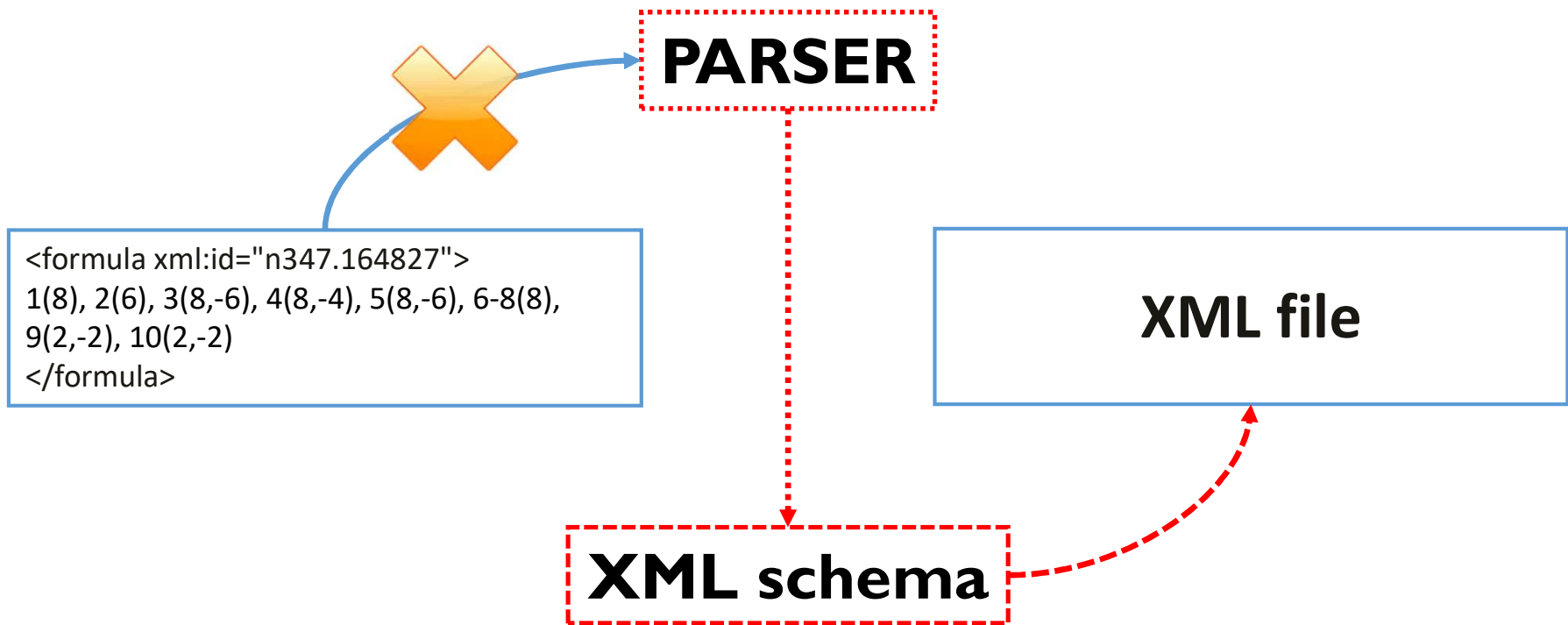
I-III<sup>8</sup>, IV<sup>10</sup>, V-IX<sup>8</sup>

IV(32), IV-1(40), 9 IV(120), IV-4

1-4<sup>8</sup>, 5<sup>2</sup>, 6<sup>4-1</sup>, 7-10<sup>10</sup>



**NOT STANDARDIZED**



# *basic elements*



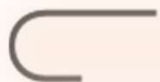
fold\*



single leaf\*



hook\*

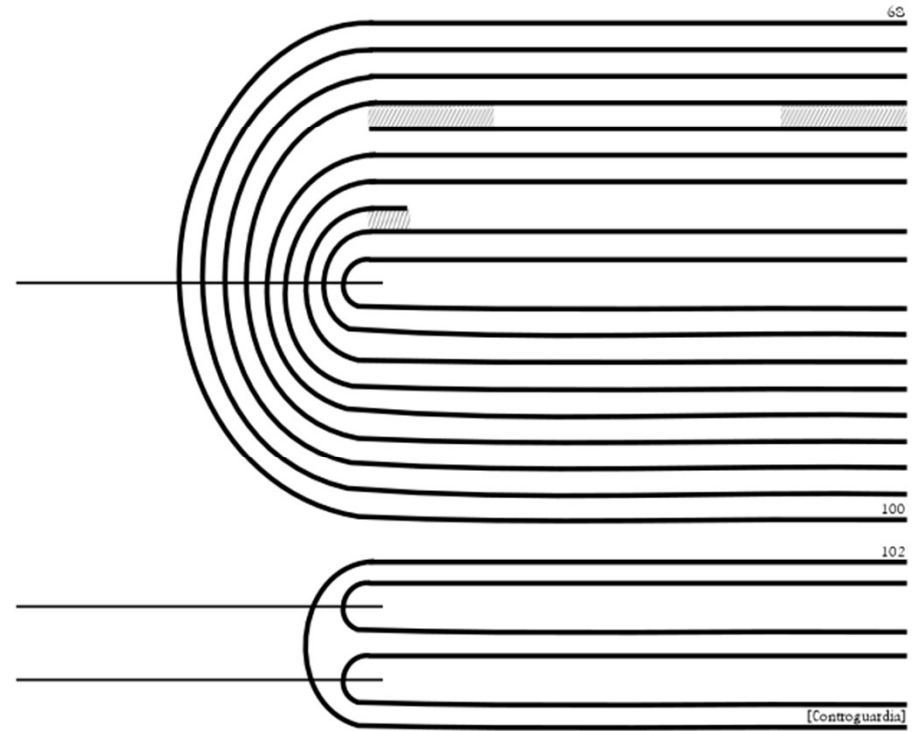
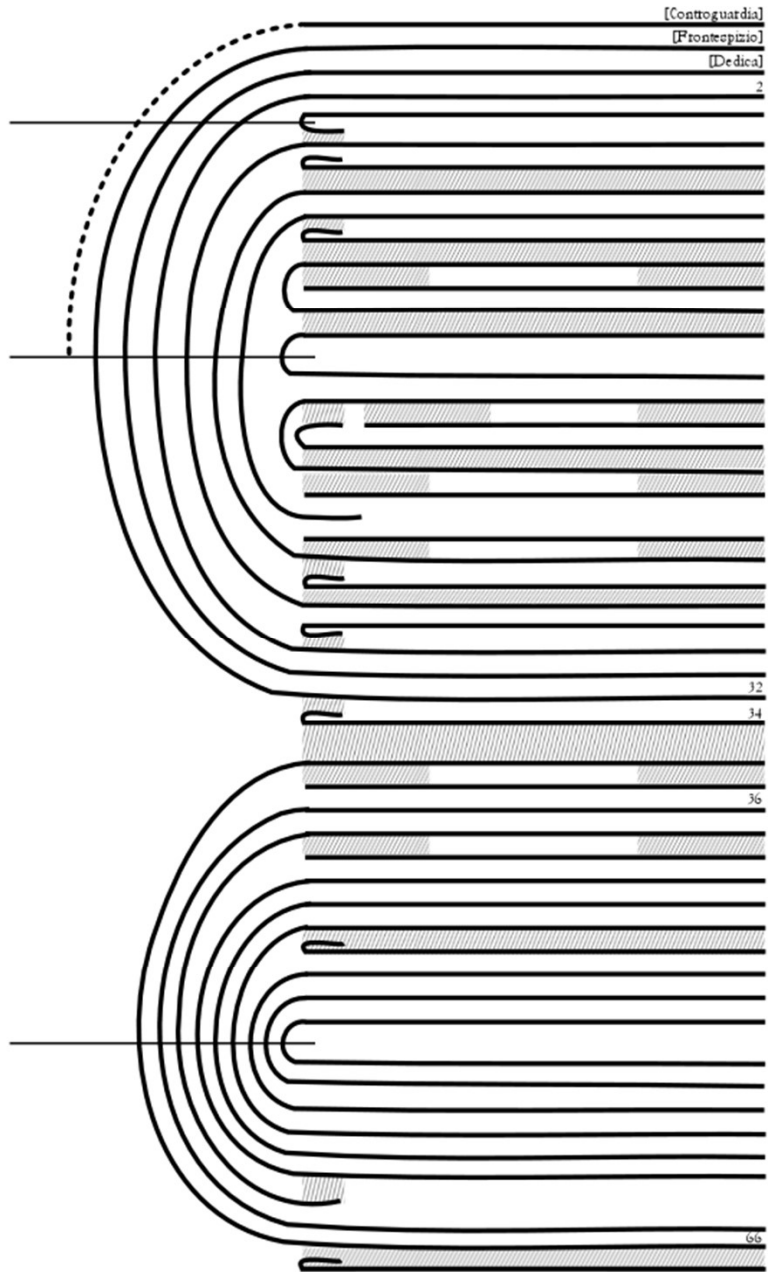


guard\*

\*  endleaf elements

*complicated lives!*





10/05/2018

(BAV, Ferr.208)

# VIS@OLL 1.0

phase 2:  
online collation modeller



# The Collation Modeller

Collation Modeler Home

Home

## New Manuscript

Title

Manuscript title



Shelfmark

Shelfmark

URL

URL

Number of quires

Number of quires

Create Manuscript

Cancel

<https://protected-island-3361.herokuapp.com/manuscripts/new>

# The Collation Modeller

Collation Modeler Home

[Home](#) | [MS T1B](#) | [Quire](#)

## Test One Book Quire 1

**Title** Test One Book  
**Shelfmark** MS T1B  
**URL** http://www.example.com

### Leaves

Leaf 1	fol/pg	<input type="text" value="1"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 2	fol/pg	<input type="text" value="2"/>	Mode	<input type="text" value="original"/> <input type="text" value="original"/> <input type="text" value="added"/> <input type="text" value="replaced"/> <input type="text" value="missing"/> <input type="text" value="original"/>	<input checked="" type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 3	fol/pg	<input type="text" value="3"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 4	fol/pg	<input type="text" value="4"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 5	fol/pg	<input type="text" value="5"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 6	fol/pg	<input type="text" value="6"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>
Leaf 7	fol/pg	<input type="text" value="7"/>	Mode	<input type="text" value="original"/>	<input type="checkbox"/> Single	<input type="button" value="X"/>

# The Collation Modeller

Collation Modeler Home

[Home](#) | [MS T1B](#)

## Manuscript: Test One Book

**Title** Test One Book

**Shelfmark** MS T1B

**URL** <http://www.example.com>

Edit

Leaves XML

Joins XML

### Quires

Quire 1 (7 leaves)

Edit 

Quire 2 (2 leaves)

Edit 

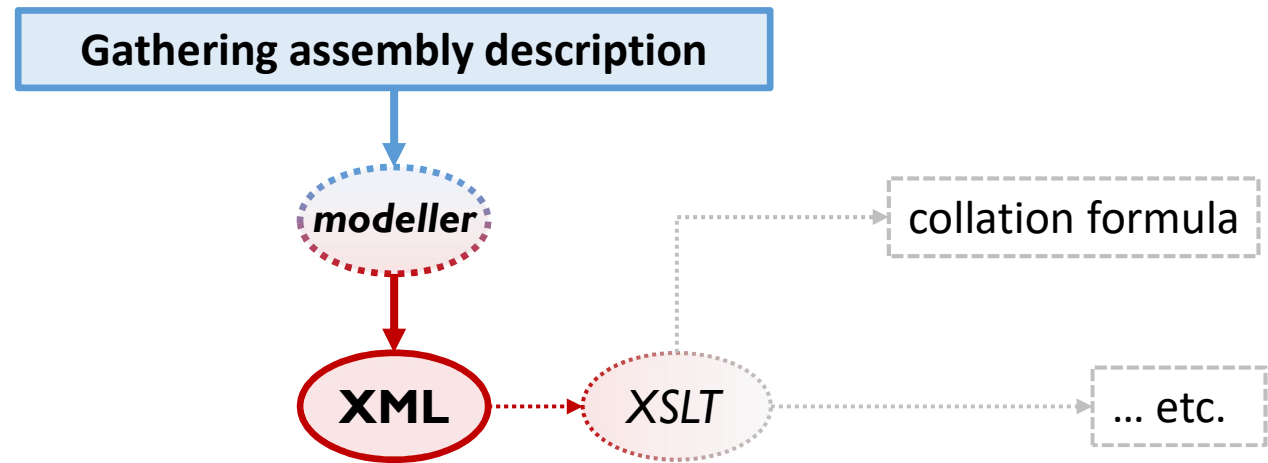
Quire 3 (6 leaves)

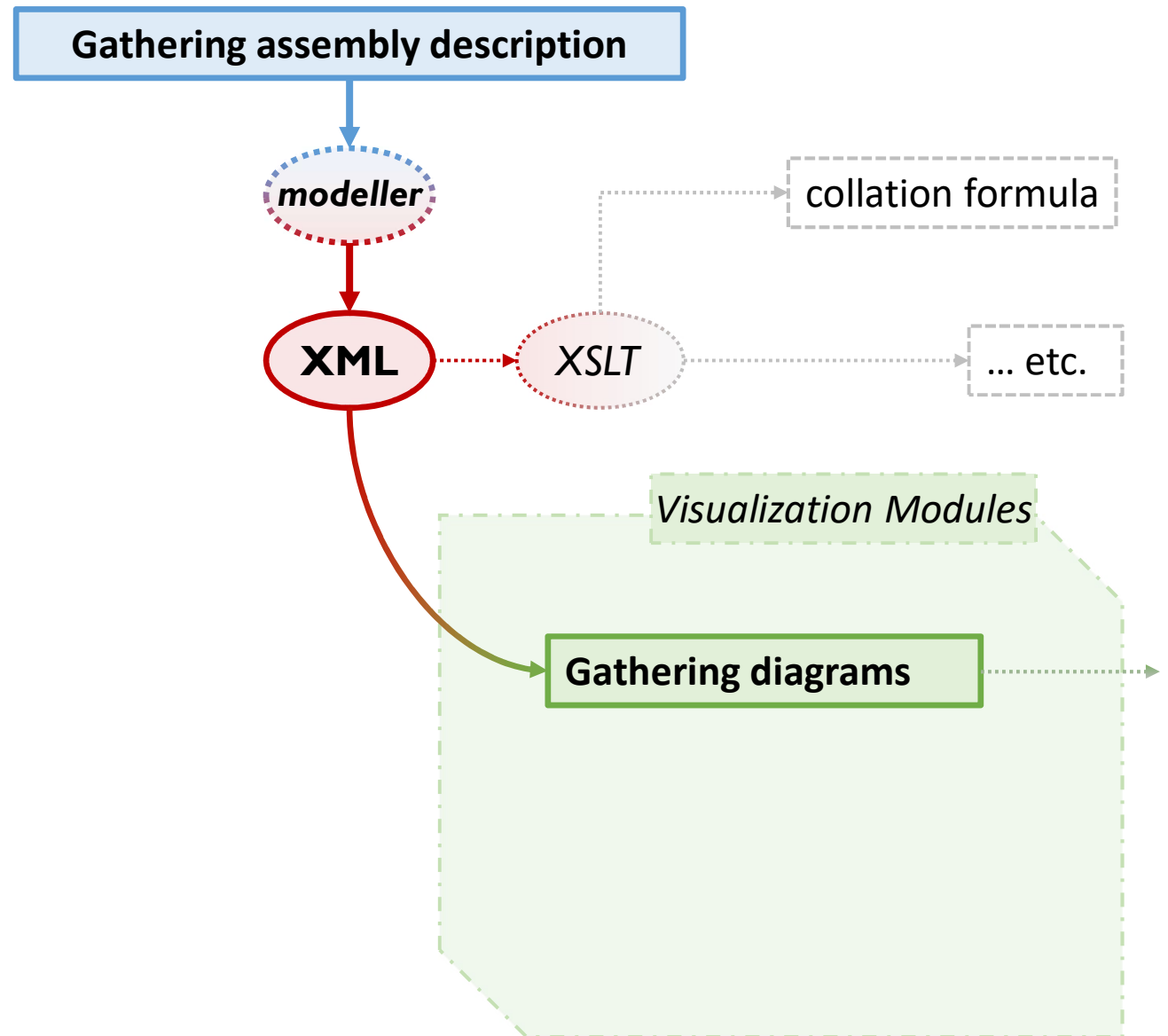
Edit 

Add Quire

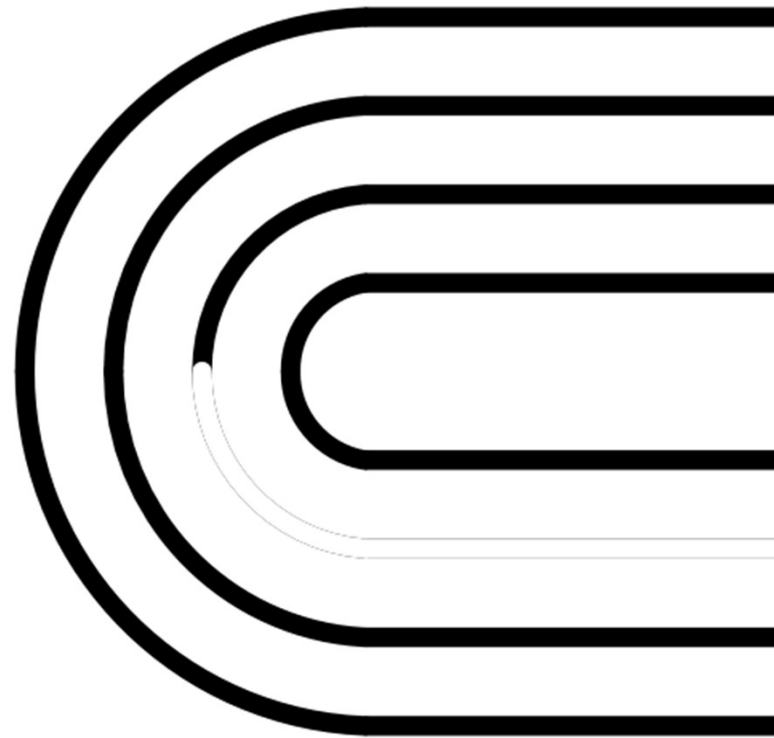
# XML

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  <title>Test One Book</title>
  <shelfmark>MS T1B</shelfmark>
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    <leaf n="1" mode="original" single="false" folio_number="1" conjoin="7" position="1" opposite="8"/>
    <leaf n="2" mode="original" single="true" folio_number="2" conjoin="" position="2" opposite="7"/>
    <leaf n="3" mode="original" single="false" folio_number="3" conjoin="6" position="3" opposite="6"/>
    <leaf n="4" mode="original" single="false" folio_number="4" conjoin="5" position="4" opposite="5"/>
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    <leaf n="" conjoin="2" position="7" opposite="2"/>
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  </quire>
  <quire n="2">
    <leaf n="1" mode="original" single="false" folio_number="" conjoin="2" position="1" opposite="2"/>
    <leaf n="2" mode="original" single="false" folio_number="" conjoin="1" position="2" opposite="1"/>
  </quire>
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    <leaf n="3" mode="original" single="false" folio_number="" conjoin="4" position="3" opposite="4"/>
    <leaf n="4" mode="original" single="false" folio_number="" conjoin="3" position="4" opposite="3"/>
    <leaf n="5" mode="original" single="false" folio_number="" conjoin="2" position="5" opposite="2"/>
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  </quire>
</manuscript>
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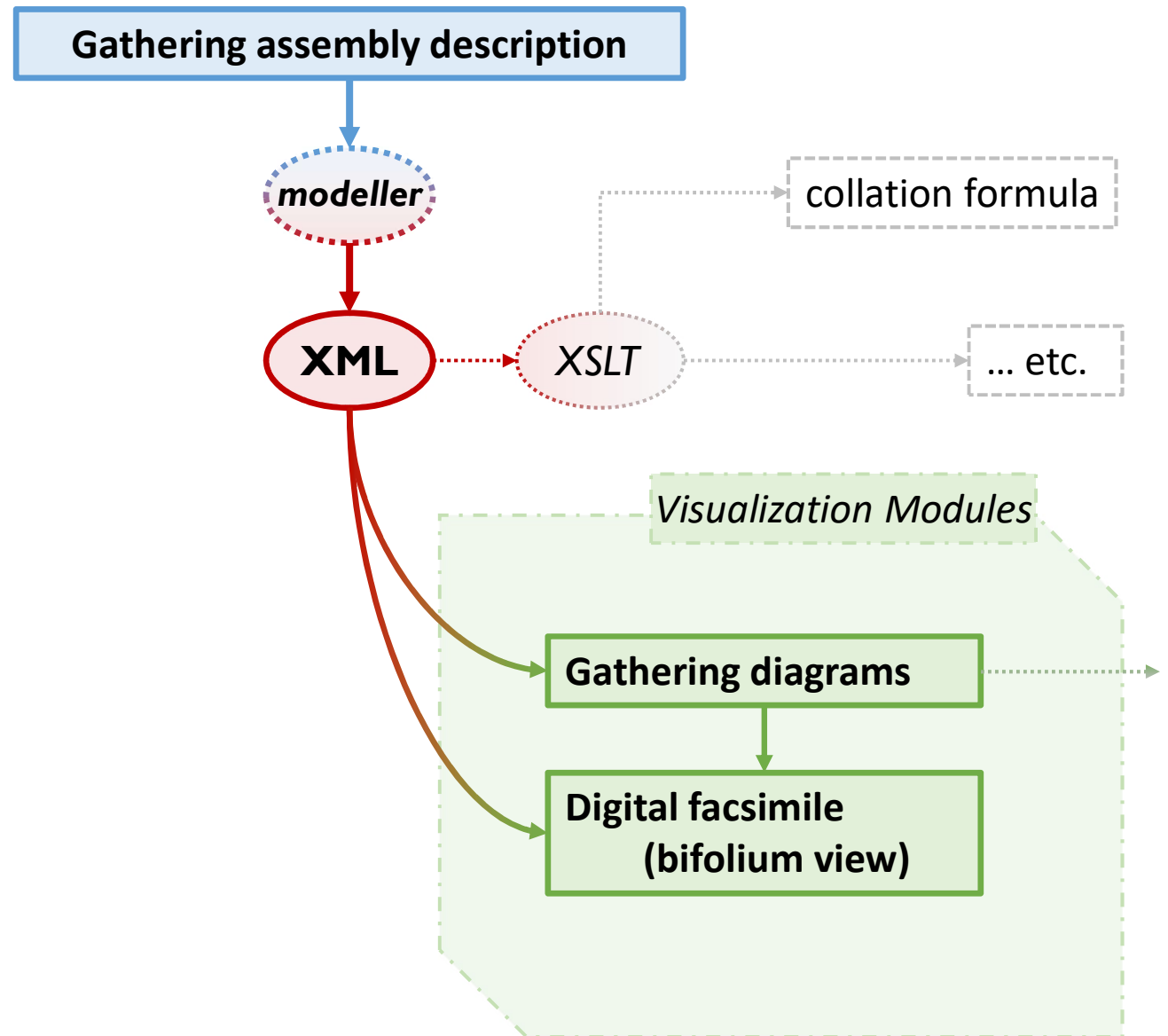












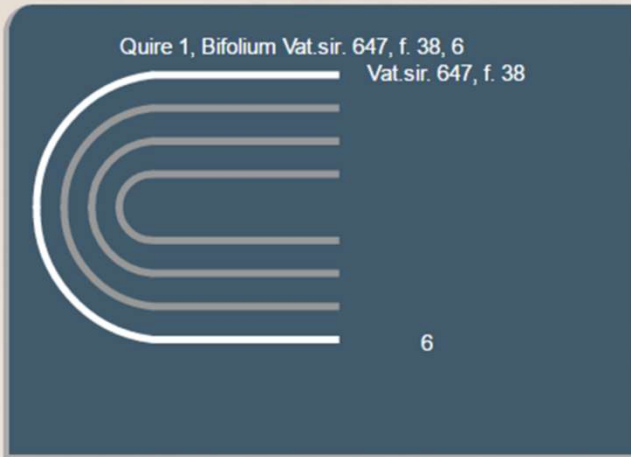




SGP Select a Quire ▾

Quire 1 (8) Show All Hide All

Quire 1, Bifolium Vat.sir. 647, f. 38, 6



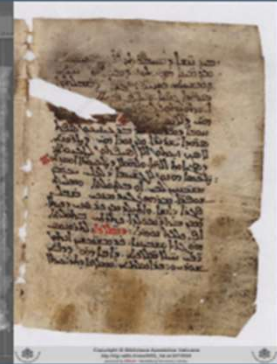
Vat.sir. 647, f. 38r(v)



6r

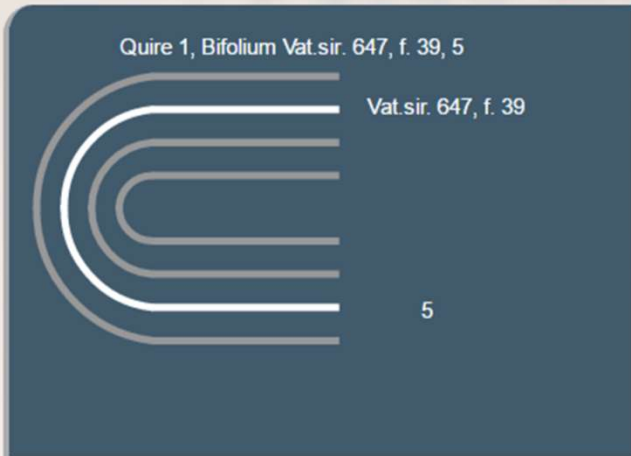


6v

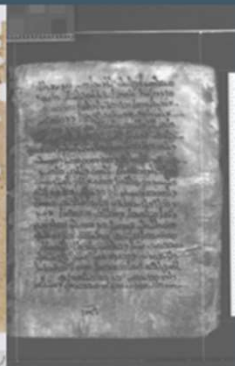


Vat.sir. 647, f. 38v(r)

Quire 1, Bifolium Vat.sir. 647, f. 39, 5



Vat.sir. 647, f. 39r(v)



5r

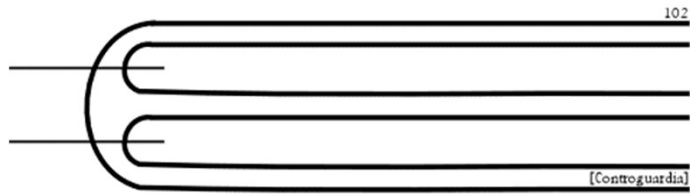


5v

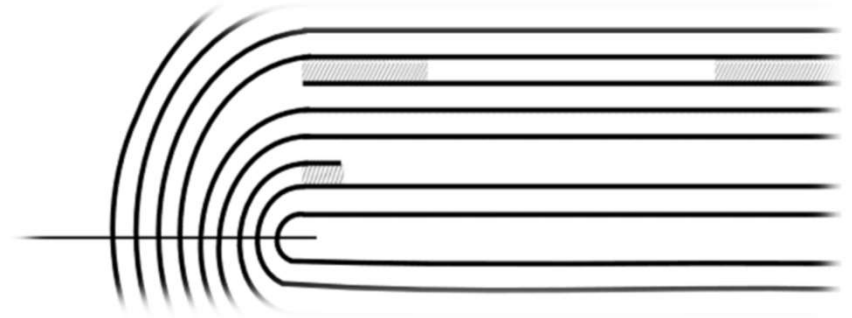


Vat.sir. 647, f. 39v(r)

Quire 1, Bifolium 1, 4



quires in quires



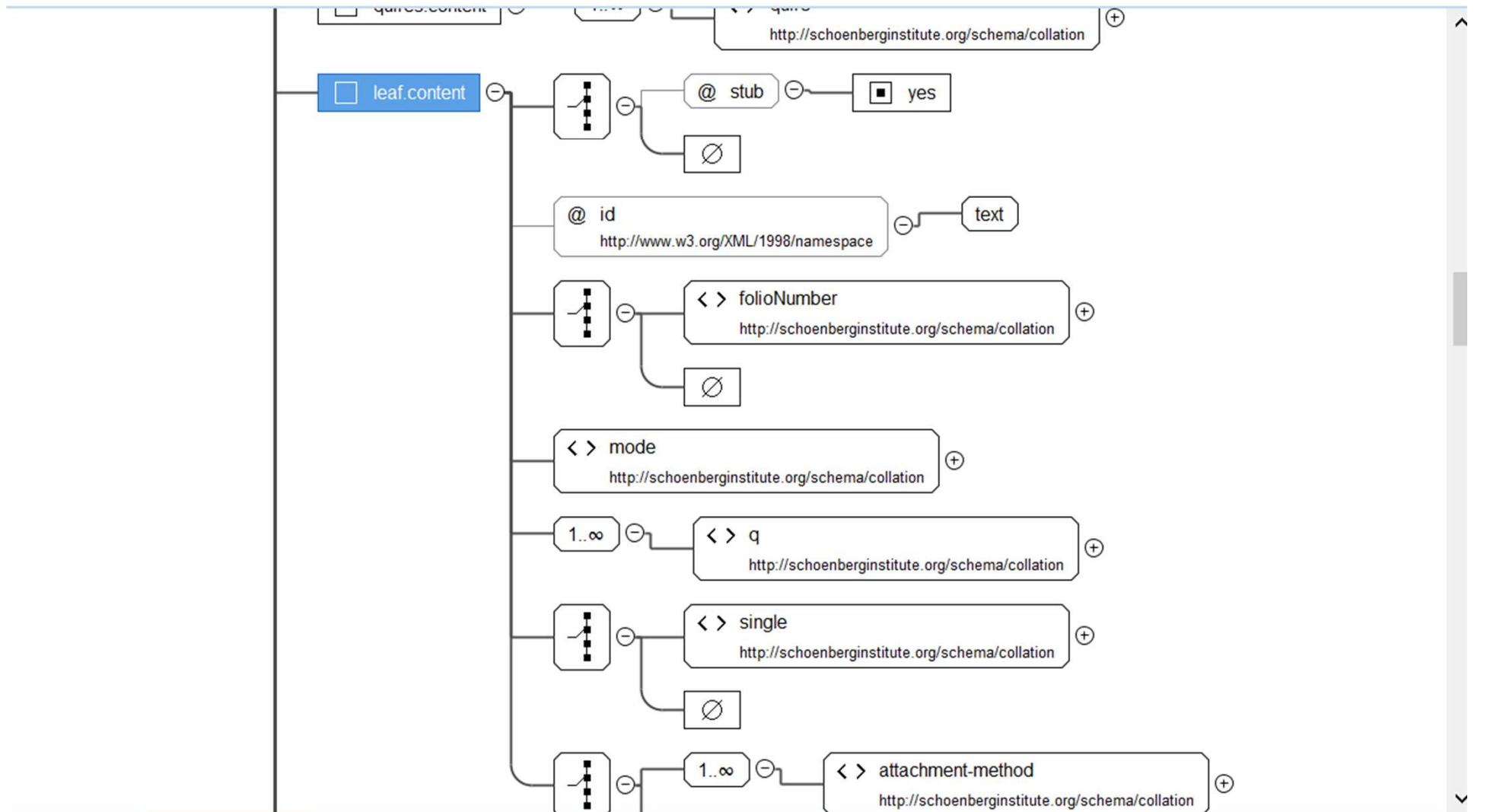
sewn/glued attachment methods



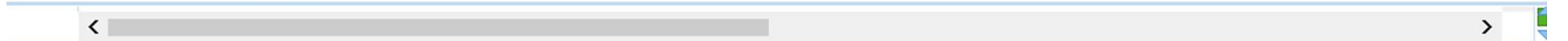
uncertainty,  
script orientation,  
...etc.

# VIS@OLL 2.0

phase III:  
complex structures



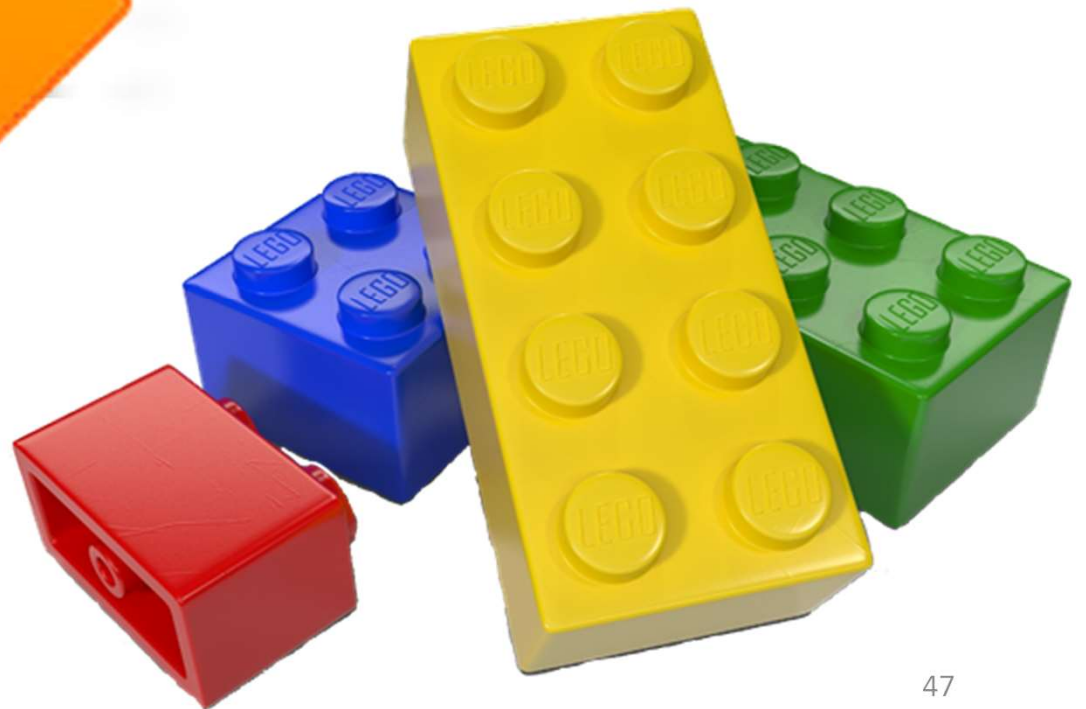
Full Model View Logical Model View

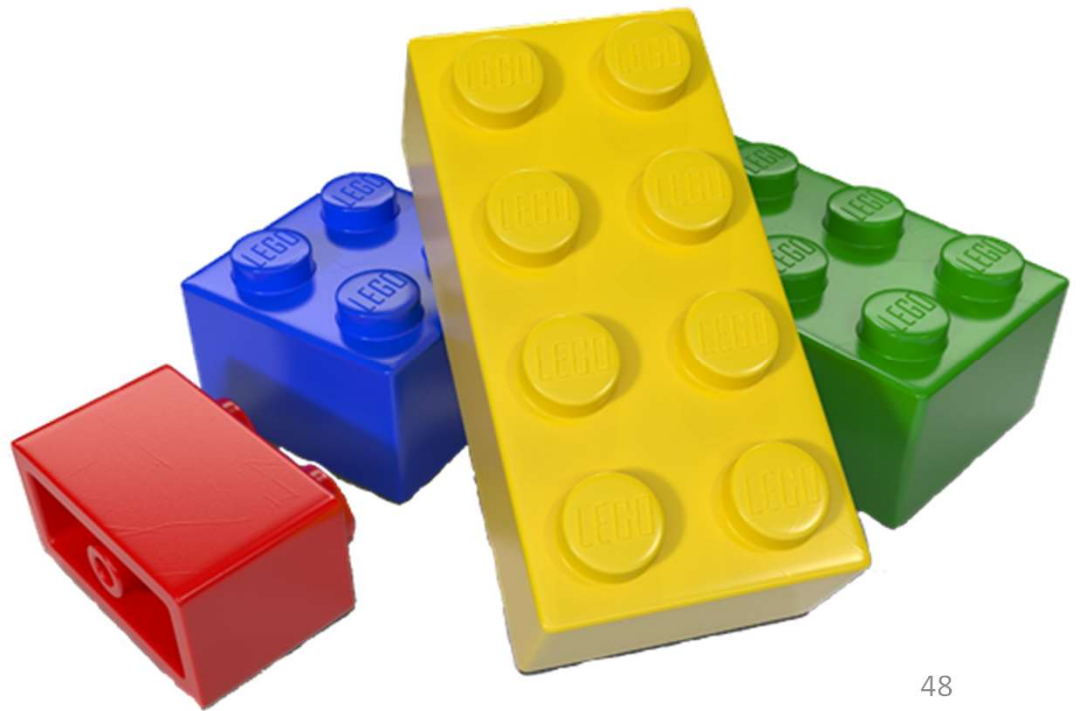


Text Grid Author

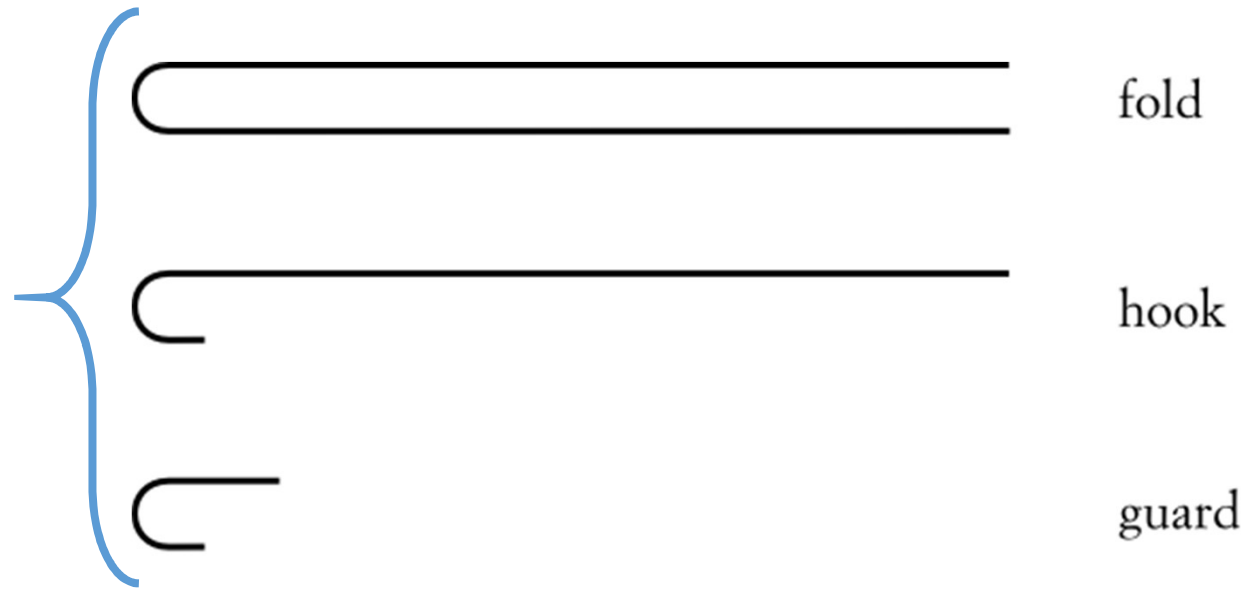
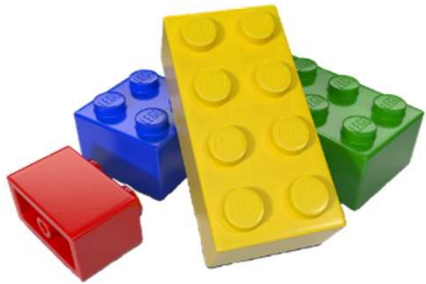


gathering









`<conjoin target="#leafD">[text]</conjoin>`

# Subquires

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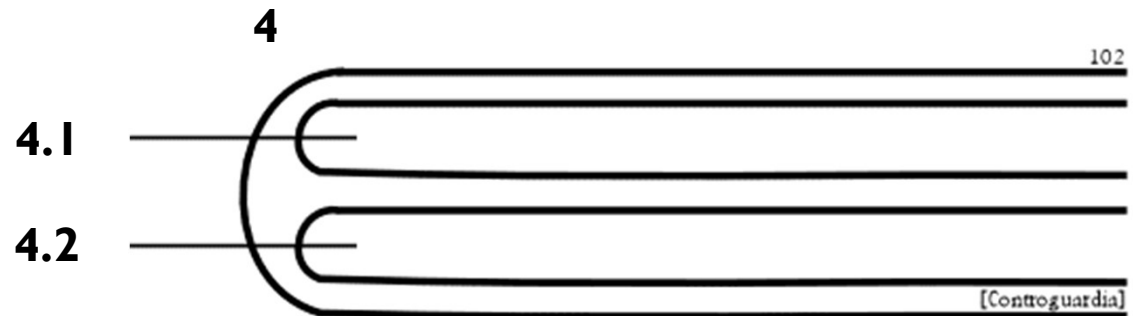
Decimal system:

*quire number* •

*subquire number* •

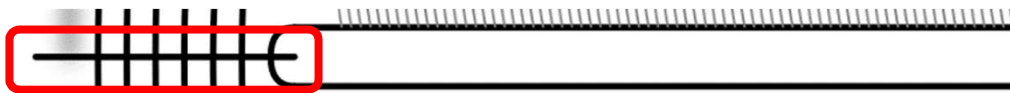
*subquire number* •

*etc...*



# Attachment methods

`<attachment-method target="#leafID" type="[drummed|pasted|sewn|tipped]"/>`



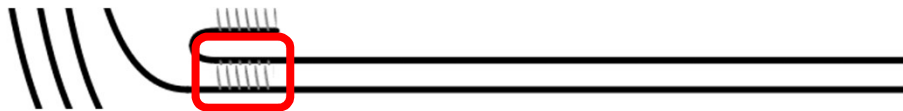
sewn (through the fold)

††† NO DIAGRAMS YET †††

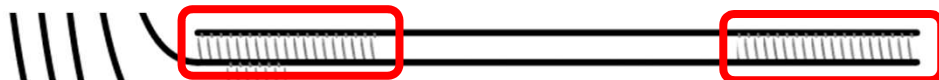
sewn (to another leaf)



pasted



tipped

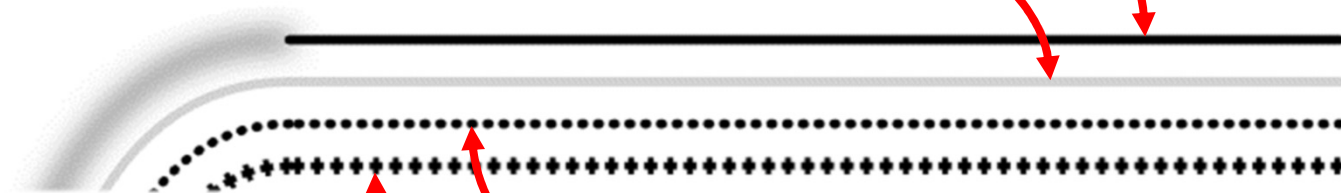


drummed

# Mode

```
<mode val="[added | missing | original | replaced]"/>
```

- original
- missing



- replaced
- added

# Uncertainty

certainty="[1|2|3]"

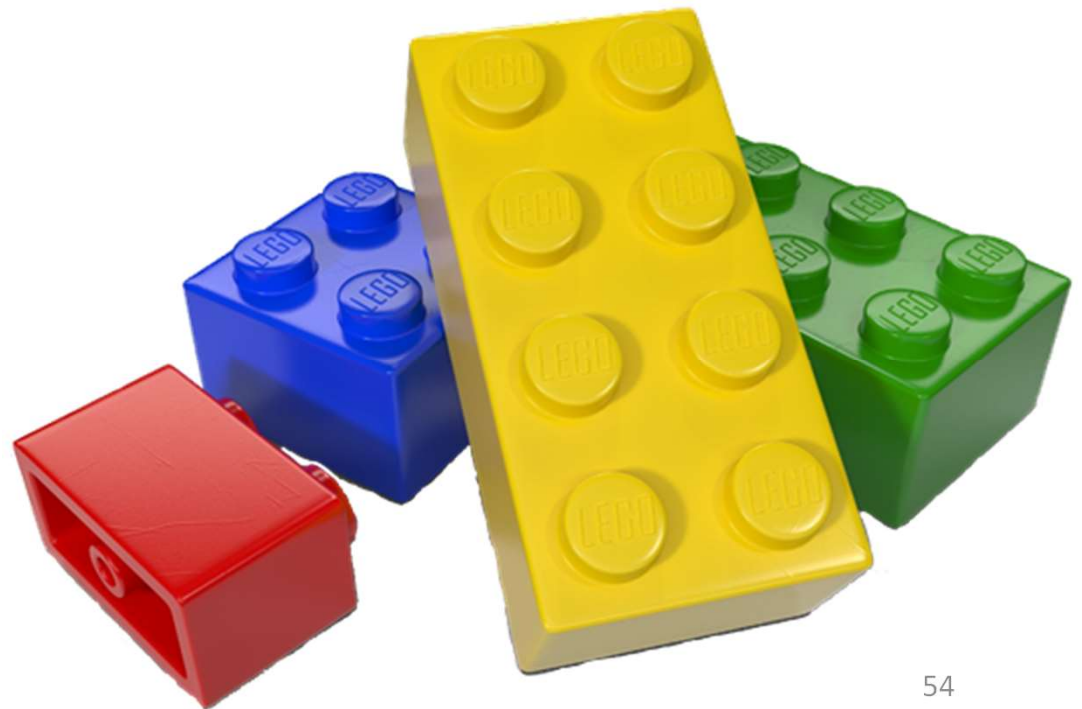
1. VERY CERTAIN
2. FAIRLY CERTAIN / SOMEWHAT UNCERTAIN
3. UNCERTAIN



blurring

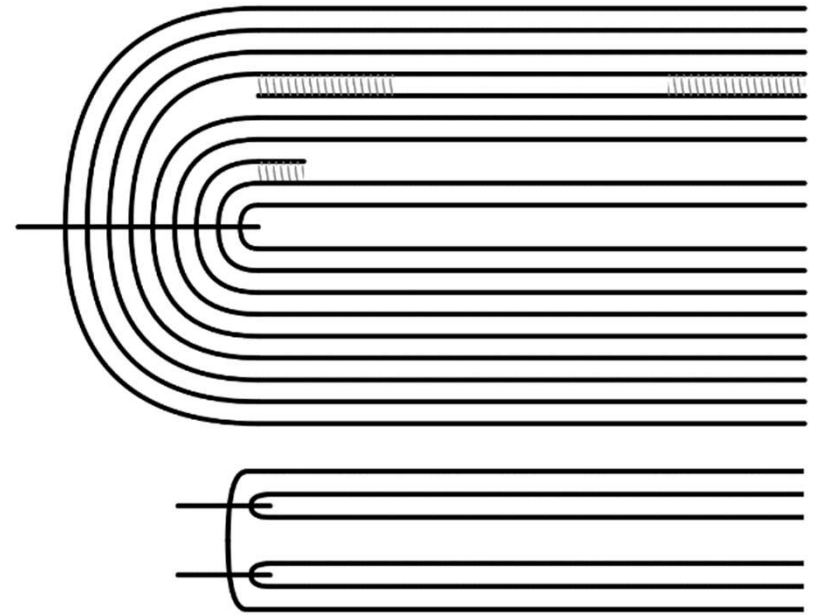
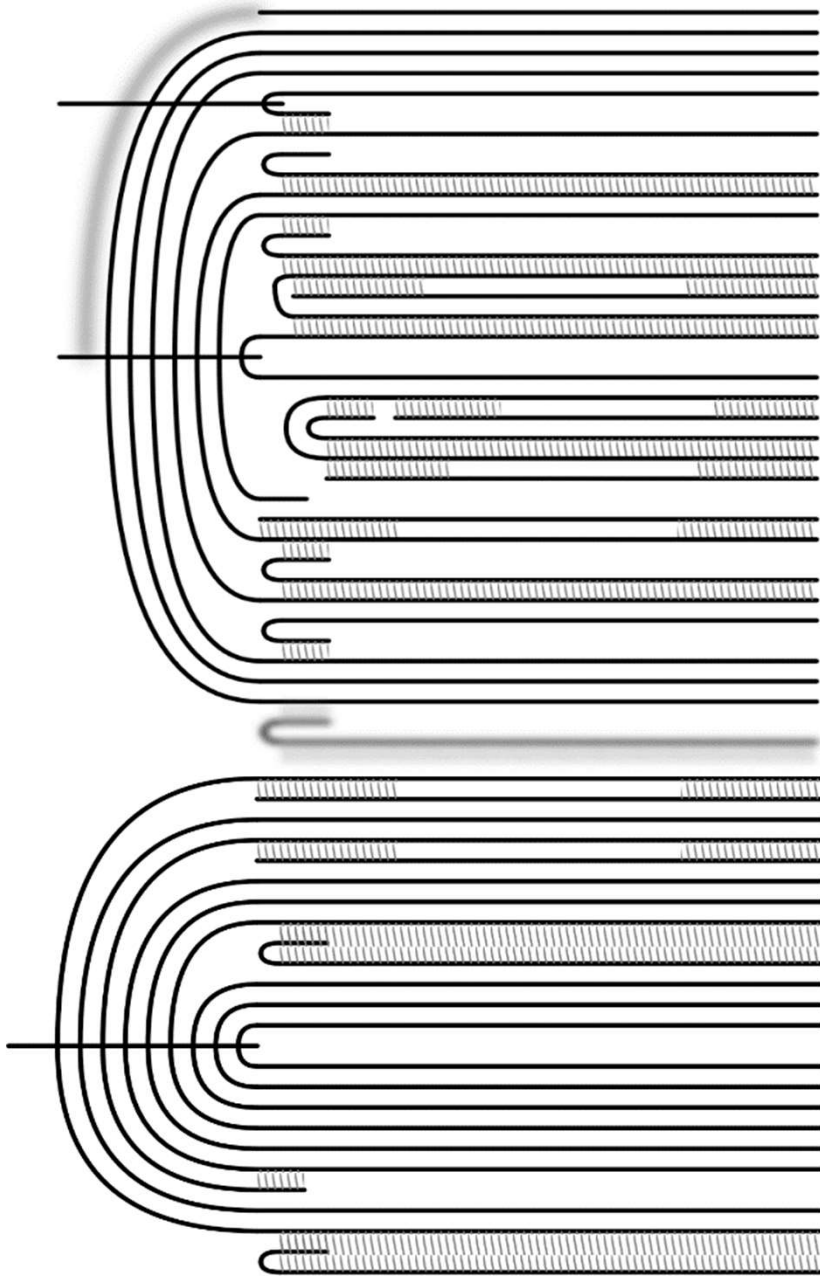


```
<leaf xml:id="[leafID]" stub="[yes]">  
  <folioNumber val="[text]" certainty="[1|2|3]">[text]</folioNumber>  
  <mode certainty="[1|2|3]" val="[added|missing|original|replaced]" />  
  <q target="#quireID" position="[text]" n="[quireN.subQuireN...]" leafno="[integer]" certainty="[1|2|3]">  
    <conjoin target="#leafD" certainty="[1|2|3]">[text]</conjoin>  
  </q>  
  <attachment-method certainty="[1|2|3]" target="#leafID" type="[drummed|pasted|sewn|tipped]" />  
</leaf>
```



*complicated lives!*





## **AUTOMATED DIAGRAMS**



(BAV, Ferr.208)

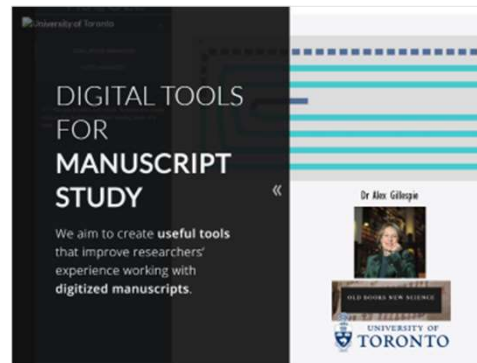
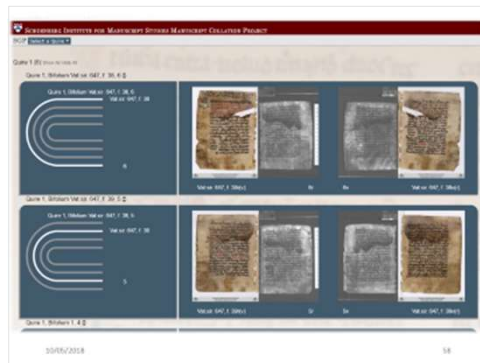


# VISEOLL

**MODEL / DATA**

VS

**PRESENTATION / APPLICATIONS**

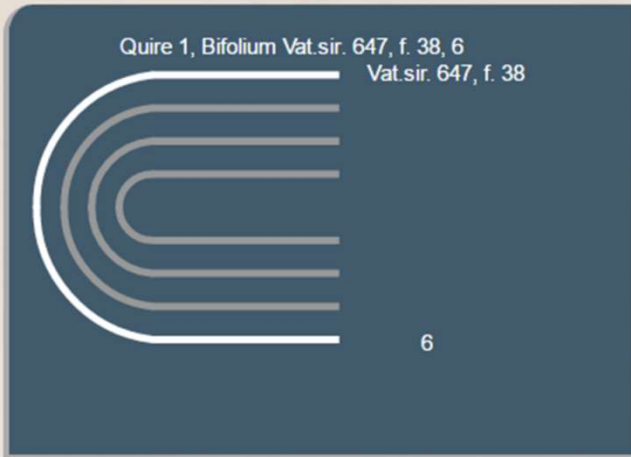




SGP Select a Quire ▾

Quire 1 (8) Show All Hide All

Quire 1, Bifolium Vat.sir. 647, f. 38, 6



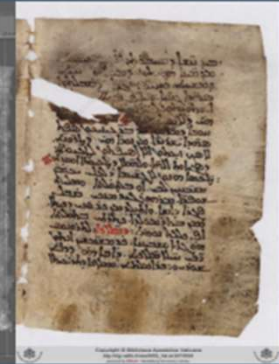
Vat.sir. 647, f. 38r(v)



6r

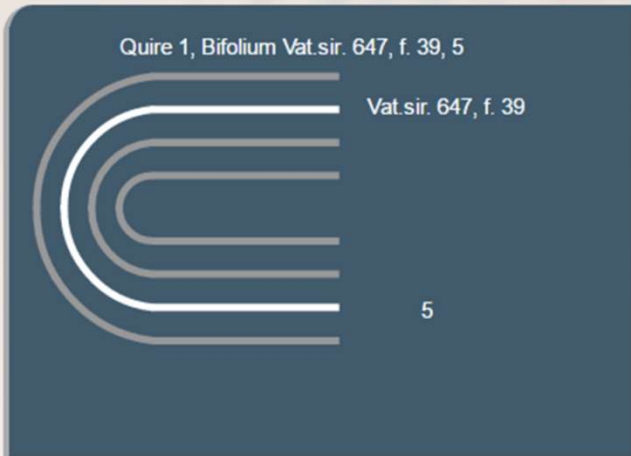


6v

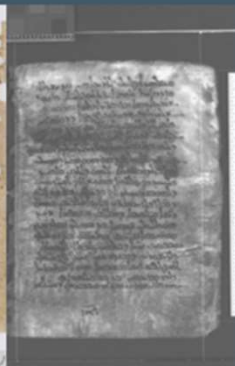


Vat.sir. 647, f. 38v(r)

Quire 1, Bifolium Vat.sir. 647, f. 39, 5



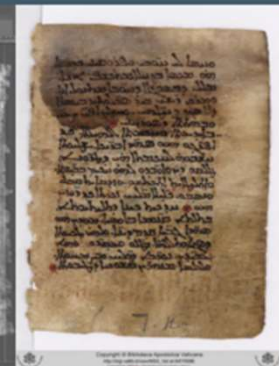
Vat.sir. 647, f. 39r(v)



5r



5v



Vat.sir. 647, f. 39v(r)

Quire 1, Bifolium 1, 4

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Dr Alex Gillespie



UNIVERSITY OF  
TORONTO

**VISCOLL**

MANAGERS ^

**COLLATION**

NOTES

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- Select All Groups
- Select All Leaves
- Select All Rectos
- Select All Versos

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FEEDBACK

VISUAL MODE

TABULAR MODE

VIEWING MODE

FILTER

M

## Oxford, Corpus Christi College, MS 198



LEAF	RECTO	VERSO
Type	Original	
Material	Parchment	
Conjoined To	None	
Attached Above	None	
Attached Below	None	
Stub	None	
<b>Notes</b>		+
<b>Actions</b>		
	ADD	DELETE

<https://digitaltoolsmss.library.utoronto.ca/>

10/05/2018

# VISCOLL

## Introduction

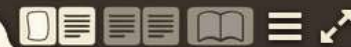
---

VisColl is for building models of the physical collation of manuscripts, and then visualizing them in various ways. The VisColl project is led by Dot Porter at the [Schoenberg Institute for Manuscript Studies](#) at the University of Pennsylvania, in collaboration with the [University of Toronto Libraries](#) and the [Old Books New Science lab](#). Collaborators include Alexandra Gillespie, Alberto Campagnolo, and Conal Tuohy.

## System Requirements

---

- `rvm` ( $\geq 1.29.1$ )
- `ruby` ( $\geq 2.4.1$ )
- `node` ( $\geq 6.11.4$ )
- `npm` ( $\geq 3.10.10$ )



Magnifier Image-Text MS Desc Soul and Body I 101v Diplomatic Info

Collation diagrams for Vercelli Book, VB

Show All Quires Hide All Quires

Quire 14, Unit 99, 104

Quire 14, Unit 99, 104

99v 104r 104v 99r

Quire 14, Unit 100, x

Quire 14, Unit 100, x

100v x x 100r

Quire 14, Unit x, 103

Quire 14, Unit x, 103

x x

1 DURU ðæs behofað hæleða aghwylc þæt he hij  
 2 sawle rið sið sylfa ge þence .hu þæt bið deoplic þon  
 3 je deað cymeð aryndreð þa rybbe þe ærsamod wæron  
 4 lic ƿfawle lang bið syððan þæt se gaft nimeð æt gode  
 5 ƿylfum swa wite swa wuldor swa him onworulde ær  
 6 efne þæt eorð fæt ærge worhte. Scæl je gaft cuman  
 7 geohðum hremig symble ymbe seofon niht sawle findan  
 8 þone lichoman þe hie ær lange wæg þreo hund wintra  
 9 butan ær þeod cyning ælmihtig god ende worulde wyr  
 10 can wille weoruda dryhten; Cleopað þon swa cearful  
 11 cealdan reorde sƿreced grimlice se gaft to þam duſte.  
 12 hwæt druhðu dreorega tohwan drehtest ðu me eorðan  
 13 fulneƿ ealfor wiƿnad lameƿ ge licneƿ lyt ðu ge mundest  
 14 tohwan þinre sawle þing riðþan wurde syððan oflic  
 15 homan  
 læded wære: hwæt wite ðuðu me weriga hwæt  
 16 ðu huru wyrma gyfl lyt ge þohtest þa ðu lust gryrum  
 17 eallū ful geodeƿt hu ðu on eorðan ƿcealt wyrnum to  
 18 wiſte. hwæt ðu onworulde ær lyt ge þohtest hu þiƿ iƿ  
 19 þuƿ lang hider hwæt þe la engel ufan of roderum fawle

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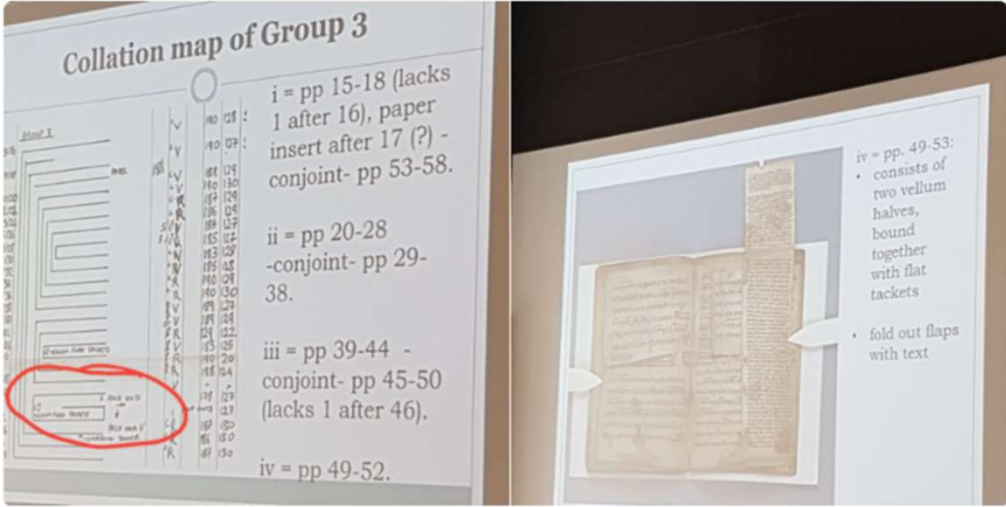
# VIS@OLL





**future developments**








# New features

 **Alberto Campagnolo** @ACampagnolo · Apr 11  
@leoba: (a great) paper presented @CareCons17 by @ChantalKobel shows a feature not covered by #VisColl (yet): flaps/fold outs!



 2  4  6 

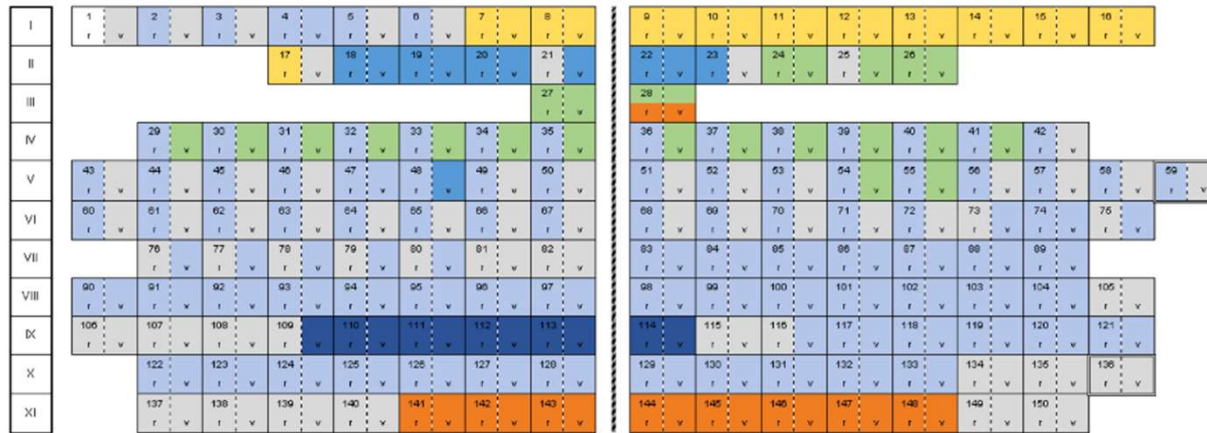
 **Chantal Kobel** @ChantalKobel · Apr 11  
Thank you!

 1   

flaps / fold outs

# New visualizations

Synoptical representation of chart A 558 (quire diagram)

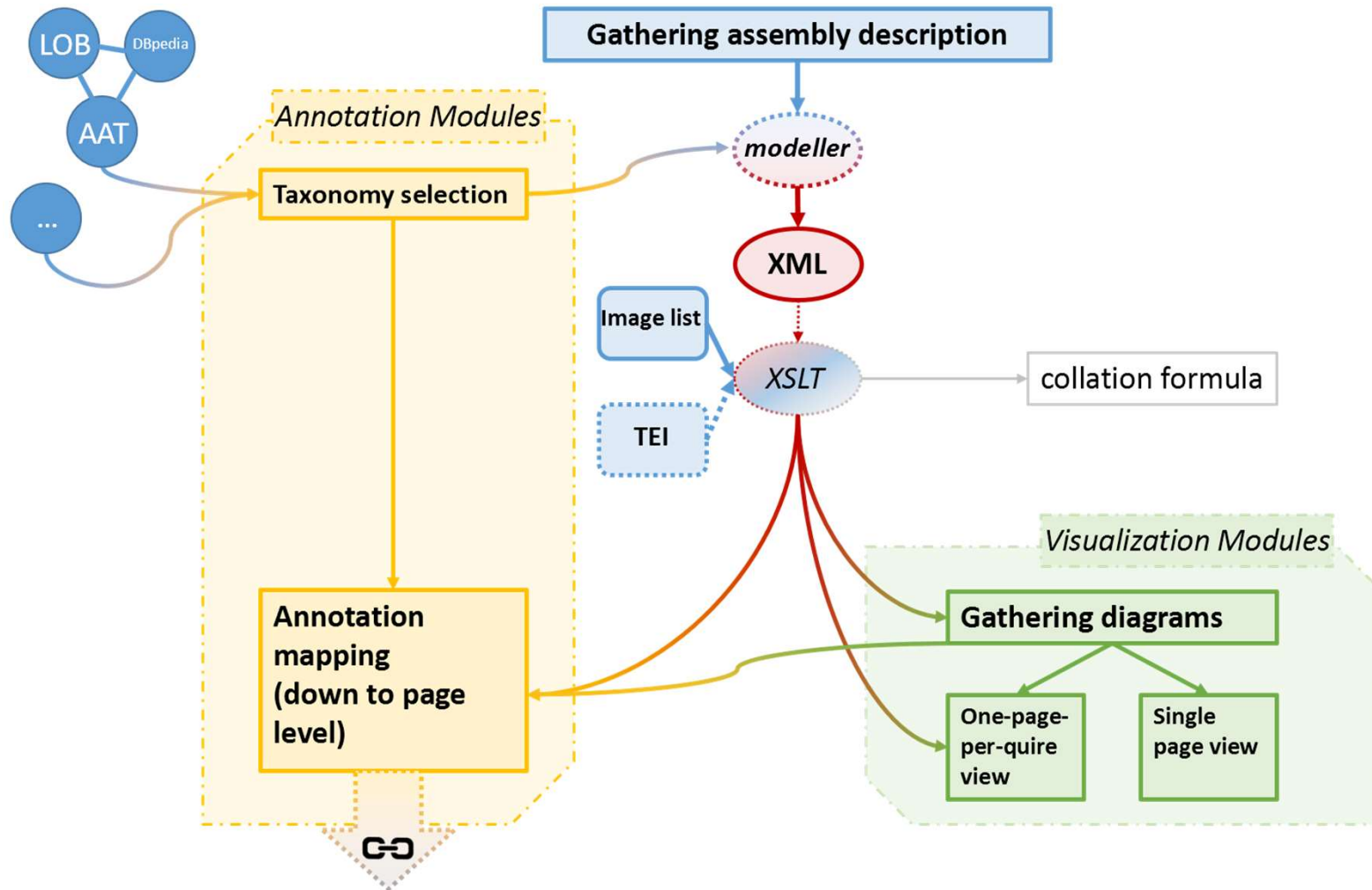


Legend:

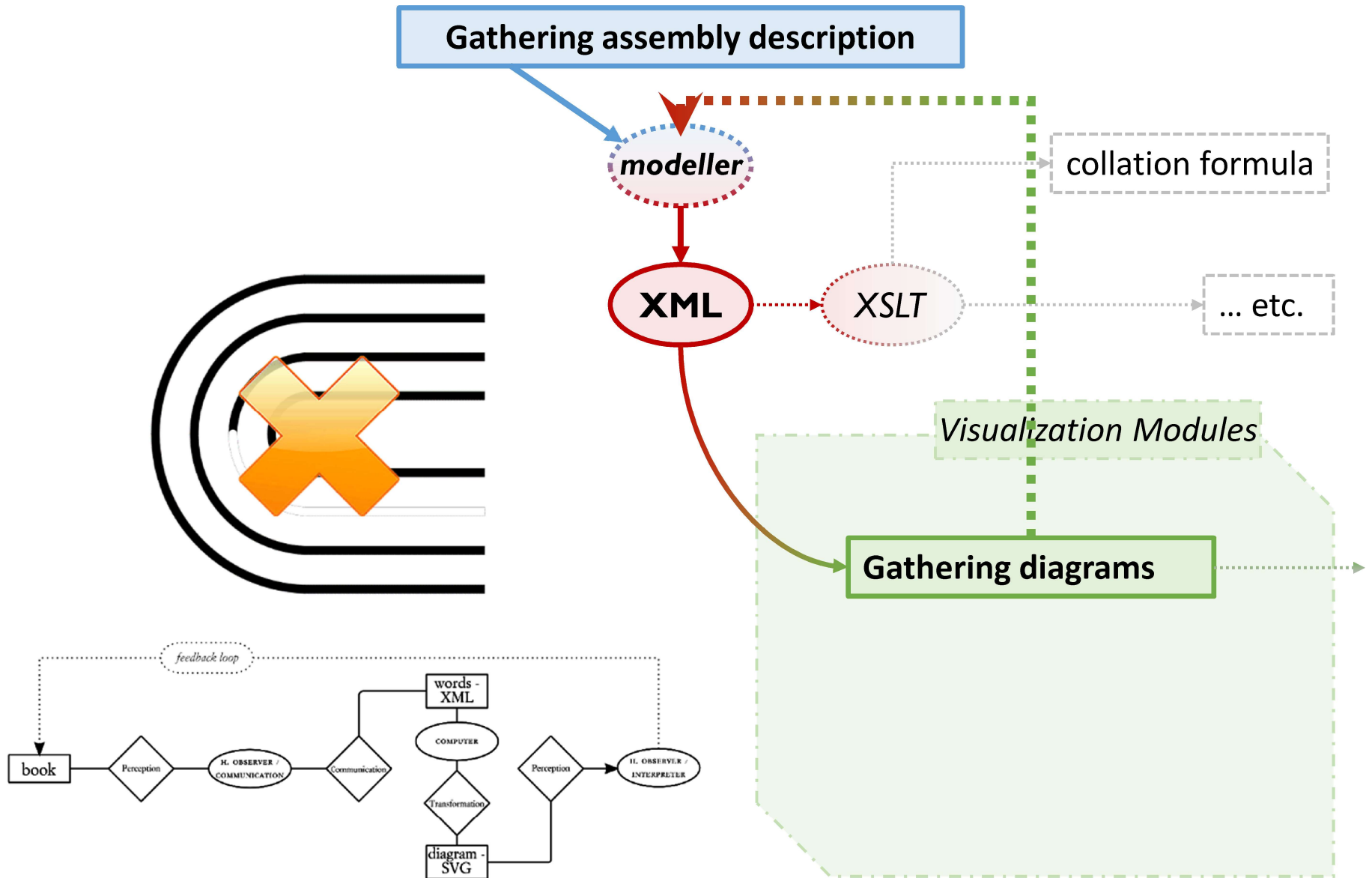
			Hans Taffner, Fechtbuch	Image catalogue
	Blank		Johannes Hartlieb, Namenmantik	Textual
	Inserted / intercalated leaf		Johannes Liechtenauer and anonymous, Epitome (verses and glosa)	Textual
	Quire		Hans Taffner, Fechtbuch	Iconographical cycle
			Juden DT, Ringen	Textual
			Anonymous, Kriegsbuch	Image catalogue

## Synoptic charts

# Page-level semantic tagging



# Diagrams as data validation



# Transforming structured descriptions to visual representations. An automated visualization of historical bookbinding structures.

[Advanced Search](#)

[Campagnolo, Alberto](#) (2015) *Transforming structured descriptions to visual representations. An automated visualization of historical bookbinding structures*. PhD thesis, University of the Arts London.

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Documents	Details
<b>Type of Research:</b> Thesis	
<b>Creators:</b> <a href="#">Campagnolo, Alberto</a>	
<b>Description:</b>	
<p>In cultural heritage, the documentation of artefacts can be both iconographic and textual, i.e. both pictures and drawings on the one hand, and text and words on the other are used for documentation purposes.</p> <p>This research project aims to produce a methodology to transform automatically verbal descriptions of material objects, with a focus on bookbinding structures, into standardized and scholarly-sound visual representations.</p> <p>In the last few decades, the recording and management of documentation data about material objects, including bookbindings, has switched from paper-based archives to databases, but sketches and diagrams are a form of documentation still carried out mostly by hand. Diagrams hold some unique information, but often, also redundant information already secured through verbal means within the databases. This project proposes a methodology to harness verbal information stored within a database and automatically generate visual representations.</p> <p>A number of projects within the cultural heritage sector have applied semantic modelling to generate graphic outputs from verbal inputs. None of these has considered bookbindings and none of these relies on information already recorded within databases. Instead they develop an extra layer of modelling and typically gather more data, specifically for the purpose of generating a pictorial output. In these projects qualitative data (verbal input) is often mixed with quantitative data (measurements, scans, or other direct acquisition methods) to solve the problems of indeterminateness found in verbal descriptions. Also, none of these projects has attempted to develop a general methodology to ascertain the minimum amount of information that is required for successful verbal-to-visual transformations for material objects in other fields. This research has addressed these issues.</p> <p>The novel contributions of this research include: (i) a series of methodological recommendations for successful automated verbal-to-visual intersemiotic translations for material objects — and bookbinding structures in particular — which are possible when whole/part relationships, spatial configurations, the object's logical form, and its prototypical shapes are communicated; (ii) the production of intersemiotic transformations for the domain of bookbinding structures; (iii) design recommendations for the generation of standardized automated prototypical drawings of bookbinding structures; (iv) the application — never considered before — of uncertainty visualization to the field of the archaeology of the book. This research also proposes the use of automatically generated diagrams as data verification tools to help identify meaningless or wrong data, thus increasing data accuracy within databases.</p>	
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<b>Your affiliations with UAL:</b> <a href="#">Colleges &gt; Chelsea College of Arts</a> <a href="#">Research Centres/Networks &gt; LIGATUS Research Centre</a>	
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leoba / VisColl Unwatch 5 Unstar 7 Fork 1

Visualizing physical manuscript collation

36 commits 1 branch 0 releases 2 contributors

# https://github.com/leoba/VisColl



Collation-AC-9-8-13 Arkhiv Alberto's original XMI to SVG YSI T to the archive 7 months ago

- data
- xsl
- LICENSE
- README.md
- README.md

## VisColl

This project is for...

VisColl involves th

1. Create a Coll
2. Create an Imr
3. Generate a C examples of v

### Create a C

To create a collati

Code

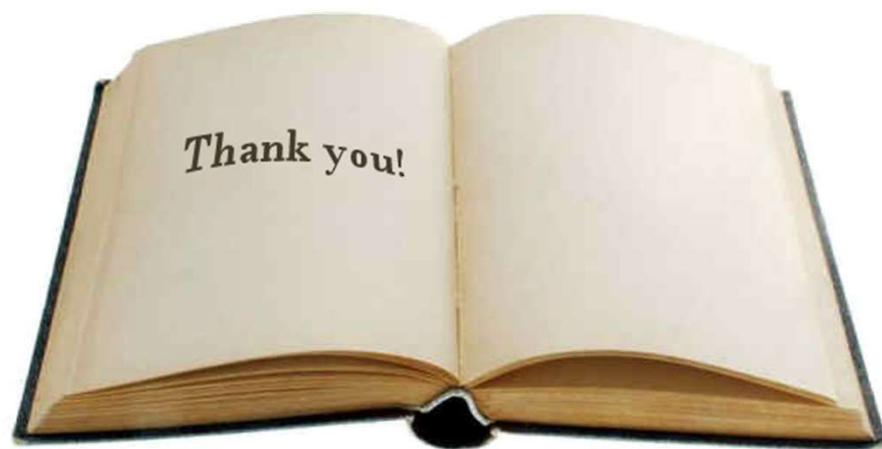
PS clone URL

tps://github.com

can clone with HTTPS, f, or Subversion.

Clone in Desktop

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