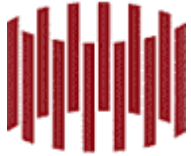
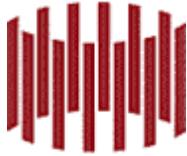


Data modeling for early modern emblems

Dr. Thomas Stäcker (HAB Wolfenbüttel);
Workshop Brown University (Providence),
14-16.3.2012
staecker@hab.de



- NEH/DFG Project, 2009-2012
(predecessors since 2002)
- Herzog August Bibliothek,
Wolfenbüttel, Germany
- University of Illinois at Urbana-
Champaign



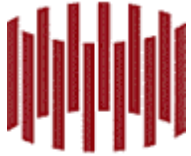
Members of Research Team

University of Illinois

Mara Wade
Timothy Cole
Myung-Ja Han
Tom Kilton

Herzog August Bibliothek

Thomas Stäcker
Andrea Opitz
Manuela Schink



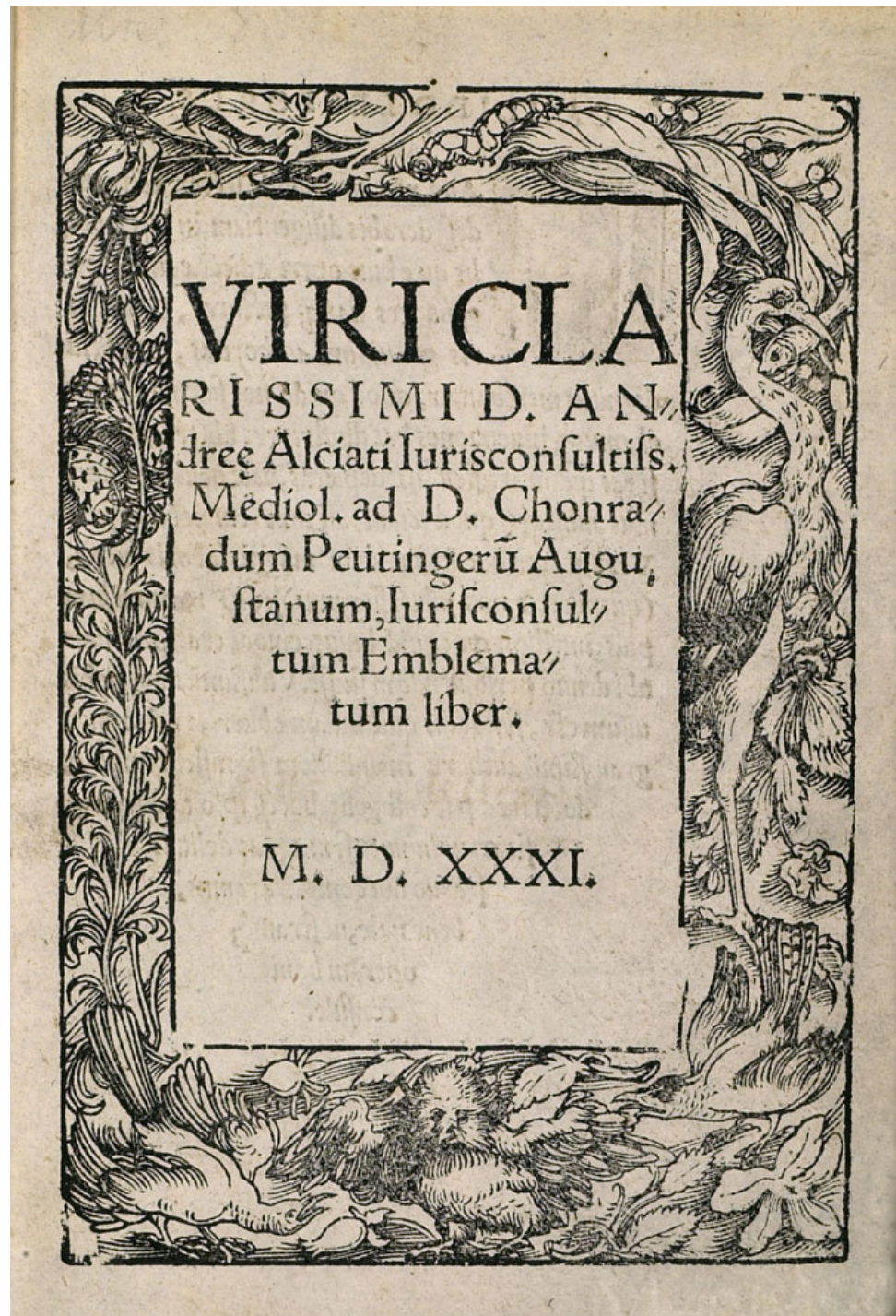
Goals

- digitization of a comprehensive corpus of emblem books (800 imprints)
- transcribing mottos (>15.000) and indexing *picturae* (10.000) by Iconclass notations
- creating a joint portal for emblem research

Andrea
Alciato,

*Emblem-
atum
Liber,*

1531



Pictura →



← Motto

← Subscriptio

*Micaris Cancri deso Consistere mundum?
Desine. Retrogrado mundana negocia Cursu
Procedi amant; neq. habent bene, quæ rectissima nobis
Semper eunt. Quodcumq. feret, F. & R., dic Voluntas.*



9.

Duce Virtute, comite fortuna.

Laufen zum glücklichen Fließ sich magt
Aufm Meer zu fahren unter sagt.
Die Lieb zur Tugend bant ihm die Gerath/
Das Glück drauff folgte gleicher mafi.
Wo Ehr und Tugend bey ein san/
Da geht das Glück für sich felbe ein.

Cic. lib. 20.
Sca. 19. 3.

10.

Sine Numine frustra.

Ob schon Pallas starker mit Kofft
Apollo nach vernicht zu besofft:
Der Damm demnach unfruchtbar bleibet/
Sonst der Heu zu keiner end reichet.
Dem Gatter Sogen ist und sonst
Mit Menschen mühen und Kunst.

2. Cor. 1. v. 4.

Gen. 3. v. 17.
Deut. 8. v. 18.
Job. 41. v. 11.
Psal. 127. v. 2.
Prov. 10. v. 24.
Eccl. 12. v. 6.

11.

Sic cedere iuvat.

Damit nicht beids der Dack und Gaff
Uns Wasser fallen wie Flug und Raif
Duckt die Gaff sich das rüber kan
Der Dack end kommen sonst davon?
Sind den andern seine mach/
Damit's erhalten werden's gleich.

Fla. lib. 12.

Mastr. exempl.
27. Cap. 10. 1.
Grell. Gall.

12.

Minor esca majoris.

Ehemal der groß Fisch die kleine
Peischt nicht in sein radm hinein:
Kant verlohnt, doch er machnigst/
Sondern ohn ruckstuck er all frist.
Der Fisch den Armen vordruckt/
Sich anpaßet raubt und verschluckt.

Arist. Hist. Ory-
pne. 36.

Isac. in Epist.
6. 2. v. 6.

X 2

13. Vir-

coll. 71

Sieh hie der grausam Feind
Spannt seinen starcken Bogen/
Die Pfeil seind drauff geletzt/
Und wie der Wind/ geflogen/
Alecto bläst ins Ohr/
Er solle nicht von dannen/
Er treffe dann zuvor/
Soll eh noch härter spannen:
Der Fromm ist still und vest/
Die Hoffnung steht darneben/
Und tröst ihn auff das best/
Er soll sich drein ergeben/
Soll schweigen/ mit Gedult
Sich zu dem Herren nahen/
So werd er Gottes Huld
Zusamt der Stärck empfahen.

L.

Cervus suspirat, Leo confidit.

Heros Christianus.



U *Primum Cervus, sinuosum devorat angue,
Arenti excoquitur torrida lingua siti.
Clamat, anheloso quarens spiramine fontem:
Sic anima innumeris exagitata malis,
Legatos mentis mittit, suspiria longa.
Nec nisi sacrate flumen anhelat aqua.
Et LEO, dum volvit generoso murmure caudā,
Confidit, donec prada petita cadat:
Haud secus Heraum stipatum robore pectus
Durat, & auxilium sperat ab axe poli.*

Das L.

Auff Psal. 42. v. 1. Prov. 28. v. 1.

Wie der Hirsch und Löw im Feld/
Also ist ein Christlich Held.

SO bald der edel Hirsch die giftig Schlang
verschlungen/
Das dörrt in dem Lauff sein trocke Käl und
Zungen/
Er sucht ein Wasserquell/ und lechzet in der
Noth/
So schreyt / und seuffzet auch die durstig
Seel zu Gott:
Ein junger Löw ist auch mit starcker Wacke
gerüstet/
Er hoffet auff den Raub/ ob schon der Bär sich
brüstet:

So

So ist der Helden Herr getrost und unver-
zagt/
Warum es hofft auff Gott, der seine Feind
verjagt.

LI.

Spes sitibunda futuri.

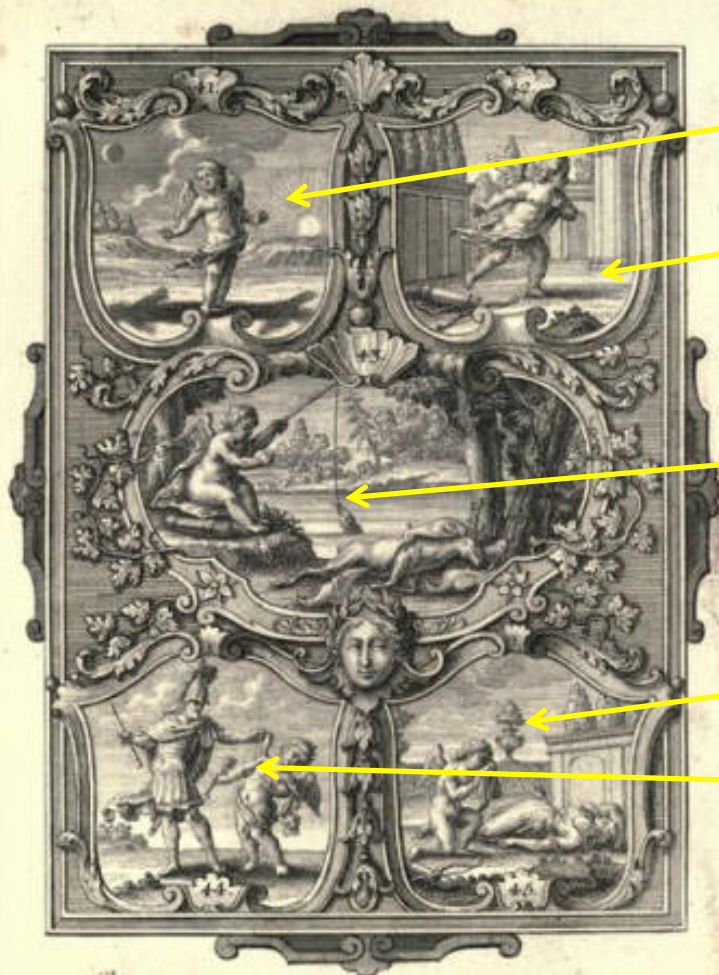
Mantuan.



R *isticus impressa commixta dat semina terra,
Fecundosq; imbres sperat; & lumenq; serenum,
Dum maturescant: tepesactis incubat ovis,
Expectatq; diu fetus Gallina futuros:
Spes genuina poli liquidas se libnat in auras,
Nec quæ spectantur, nec quæ presentia, sperat,
Sed quæ sensa latent animi, atq; impervia ocellis
Gaudia, quæ sanctos quondam patefacta beabūt.
Proverb. Agricola dives in annum proximum, h. e. Spe.
Leucippus dixit: illa quæ jucunda sunt, licet nondum
adiint presentia, Spe tamen delectant. Folio L. Luc. C.
97. p. m. 201.*

5

Das



^{41.} *Admiratur noctesque diesque.* ^{42.} *Quis desperanti succurret?*

Die wahre Liebe hat bey Tag und
Nacht nicht Ruh,
Es mir nur Lust-geht, mein Gott!
im Herzen zu,
O wie will ich mich dann in höchst
erfreutem Lieben
Bey Nacht und Tag an dir, mein
treuer Vater! üben.

Serianus, feiger Muth wirfft
Pfeil und Köcher hin,
Legt alle Hoffnung ab, verräth den
niedern Sinn.
Wer klug ist, läßt Gefahr sich nicht
gleich so bethören,
Braucht Waffen, die er hat, die ihm
den Sieg beschern.

^{43.} *Valet ubique.*

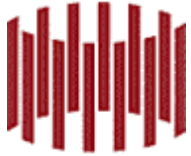
Der Pfeil, der schießt und fängt, zieht auch den Fisch heraus.
Bewahree, lieber Christ, doch deines Herzens Haus;
Der Welt gespißter Pfeil sucht dir bey allen Fällen,
Auch wo du es nicht meinst, arglistig nachzustellen.

^{44.} *Cui provocat iram?*

^{45.} *Exitus iste dolet.*

Ser einen Starcken reizt, und
sich nicht selbst erkennt,
Ist's Wunder, wann er nun mit Spott
und Schand anbrennt?
So machts der Sünder auch, er ist
nur Staub und Erden,
Und trotz doch GOTT; wie kan er
wohl verschonet werden?

So gehets gemeiniglich bey der Bei-
gierden Wut,
Sie toben heftiglich, ihr unvergnü-
ger Muth
Schießt Pfeile nach der Brust, in
der sie wollen leben,
Und wann sie was erlangt, pflügt
Thränen abzugeben.



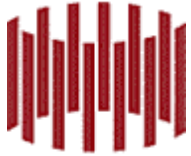
Modeling problems

Structural level

- physical book structure
 - divisions, paragraphs according to page sequence
- emblem structure
 - motto, pictura, epigram independent of page sequence

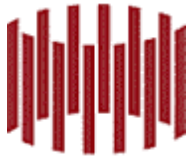




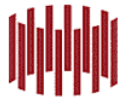


Modeling problems

- proprietary emblem schema and/or standards such as TEI
- unique identification (global emblem identifier)



emblematica online – data modeling



HERZOG AUGUST BIBLIOTHEK
WOLFENBÜTTEL

[Home](#)

[Kalender](#) [Suche](#) [A bis Z](#)



The "emblem:" Namespace

`xmlns:emblem="http://diglib.hab.de/rules/schema/emblem"`

The Emblem XML-Schema was created in the [emblematica online](#) project and bases on Stephen Rawles [Spine of Information Headings](#) for Emblem-Related Electronic Resources.

It imports the <teiHeader> and <p> from the [TEI namespace](#) as well as the [MODS namespace](#) for bibliographic data.

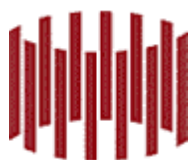
The validity of XML files against the emblem schema can be checked [here](#).

Current Emblem schema versions

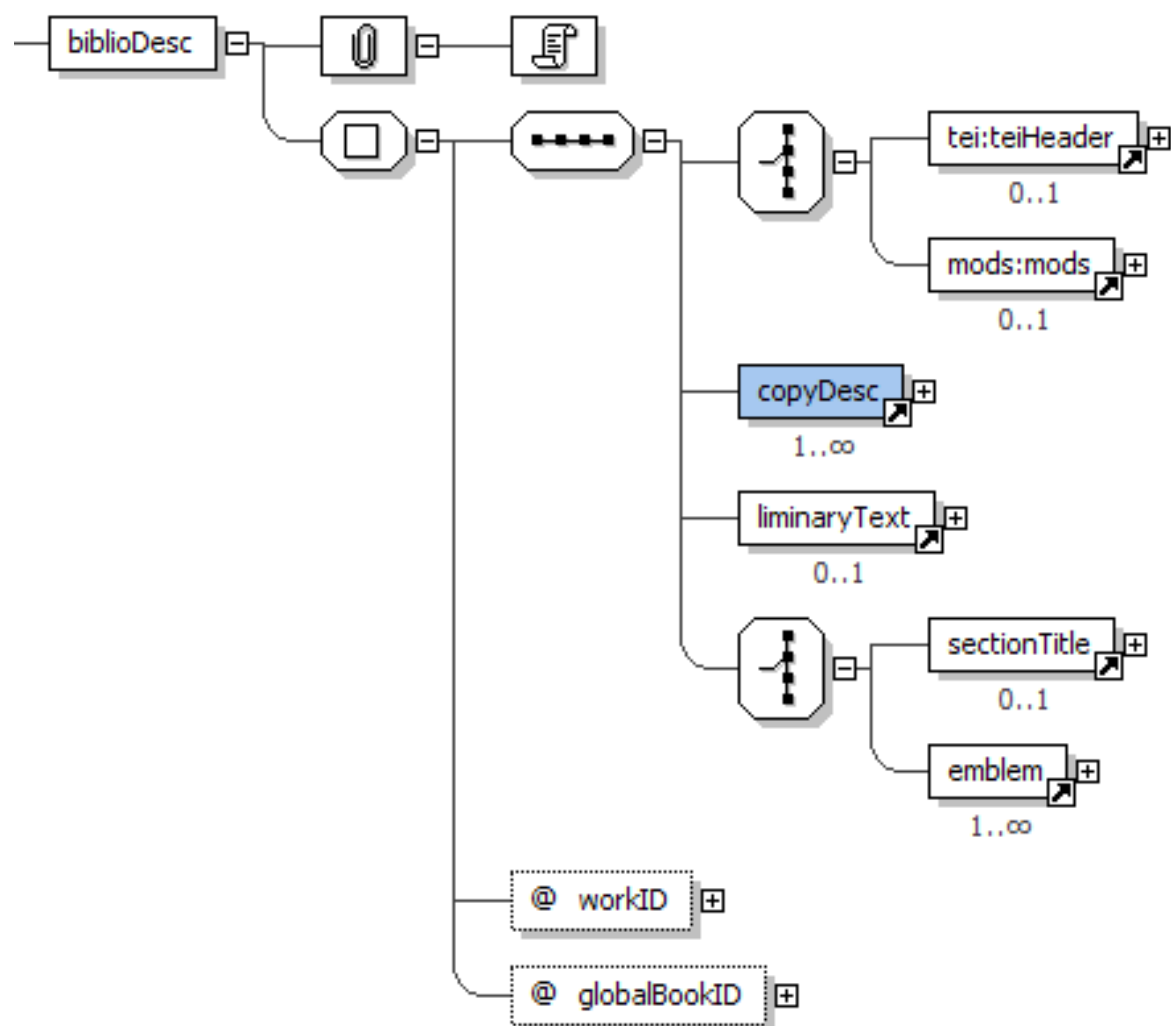
- [version 1.2](#) (2011-04-27)
- [documentation](#)

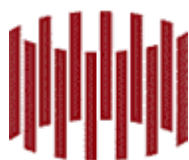
Previous schemas

- [version 1.1](#)
- [version 1.0](#)

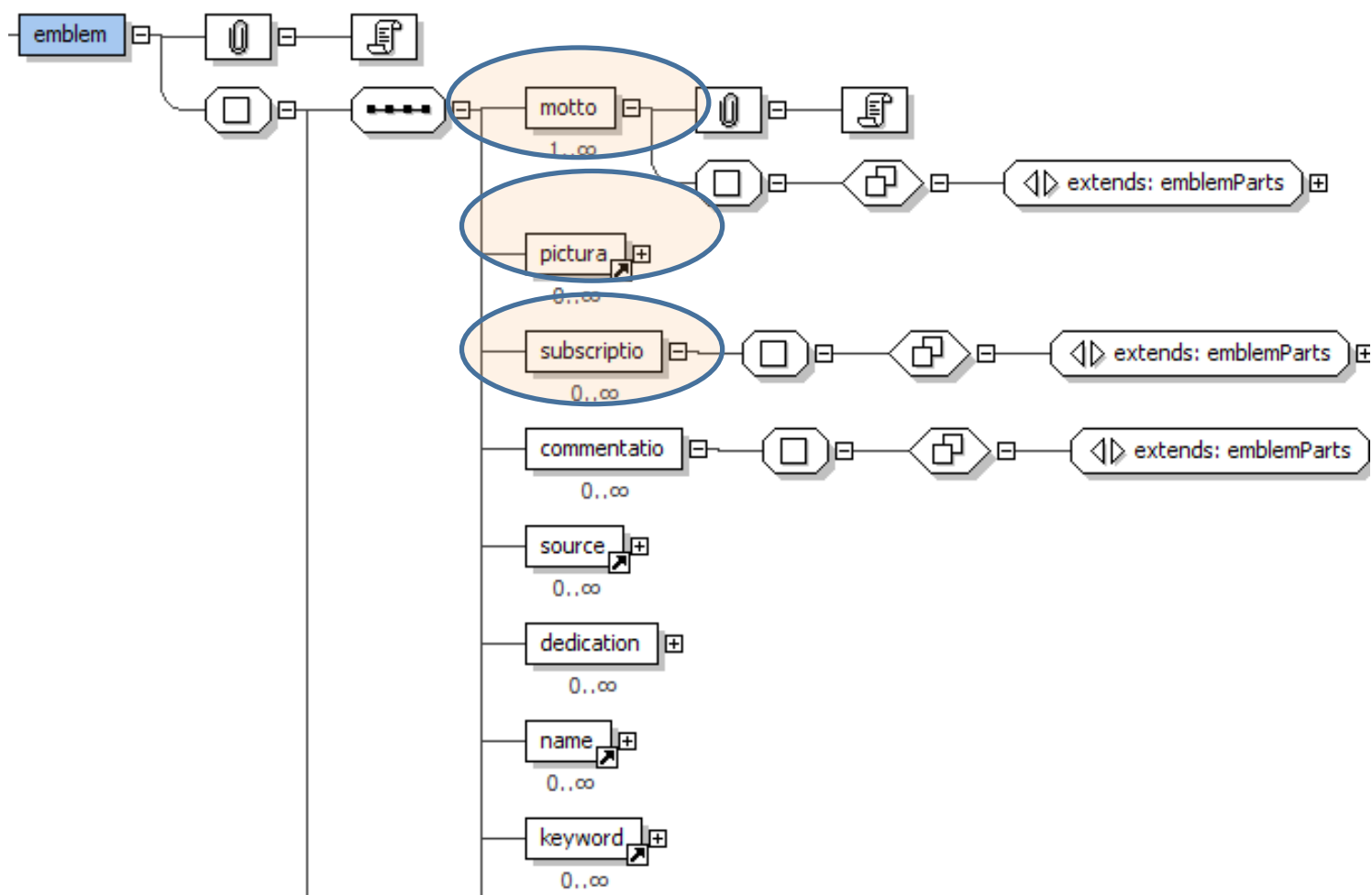


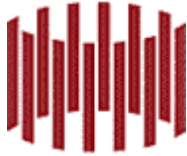
Bibliographic descriptions





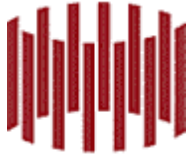
emblem components





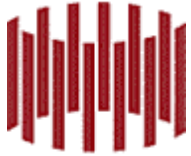
Modeling the emblem

```
<emblem:emblem xml:id="E018313" globalID="http://hdl.handle.net/10111/EmblemRegistry:E018313">
  <emblem:motto xml:id="E018313_M1">
    <emblem:transcription xlink:href="http://diglib.hab.de/drucke/li-3284/start.htm?image=00139" xml:lang="de">
      Deß Herzens Flucht.
    </emblem:transcription>
    <emblem:transcription
xlink:href="http://diglib.hab.de/drucke/li-3284/start.htm?image=00140"
      xml:lang="la">
      Cordis Fuga.
    </emblem:transcription>
  </emblem:motto>
  <emblem:pictura medium="engraving" xml:id="E018313_P1"
    xlink:href="http://diglib.hab.de/drucke/li-3284/start.htm?image=00140">
    <emblem:iconclass rdf:about="http://iconclass.org/86(+0)">
      <skos:notation>86(CORDIS FUGA)</skos:notation>
      <skos:prefLabel xml:lang="de">Sprichwörter, Redewendungen, etc.</skos:prefLabel>
      <emblem:keyword xml:lang="de">Redewendung</emblem:keyword>
      <emblem:keyword xml:lang="de">Sprichwort</emblem:keyword>
    </emblem:iconclass> ...
```



Embedded in structural book metadata (TEI compatible)

```
<div type="emblem_pictura" n="E018313" facs="#drucke_li-3284_00140">
  <p>
    <index indexName="bsw" facs="#drucke_li-3284_00140">
      <term key="86(CORDIS FUGA)" type="ICONCLASS">
        <term xml:lang="de">Redewendung</term>
        <term xml:lang="de">Sprichwort</term>
      </term>
    </index>
  </p>
</div>
```

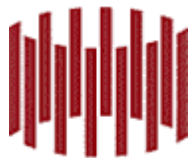


Modeling problems - identification

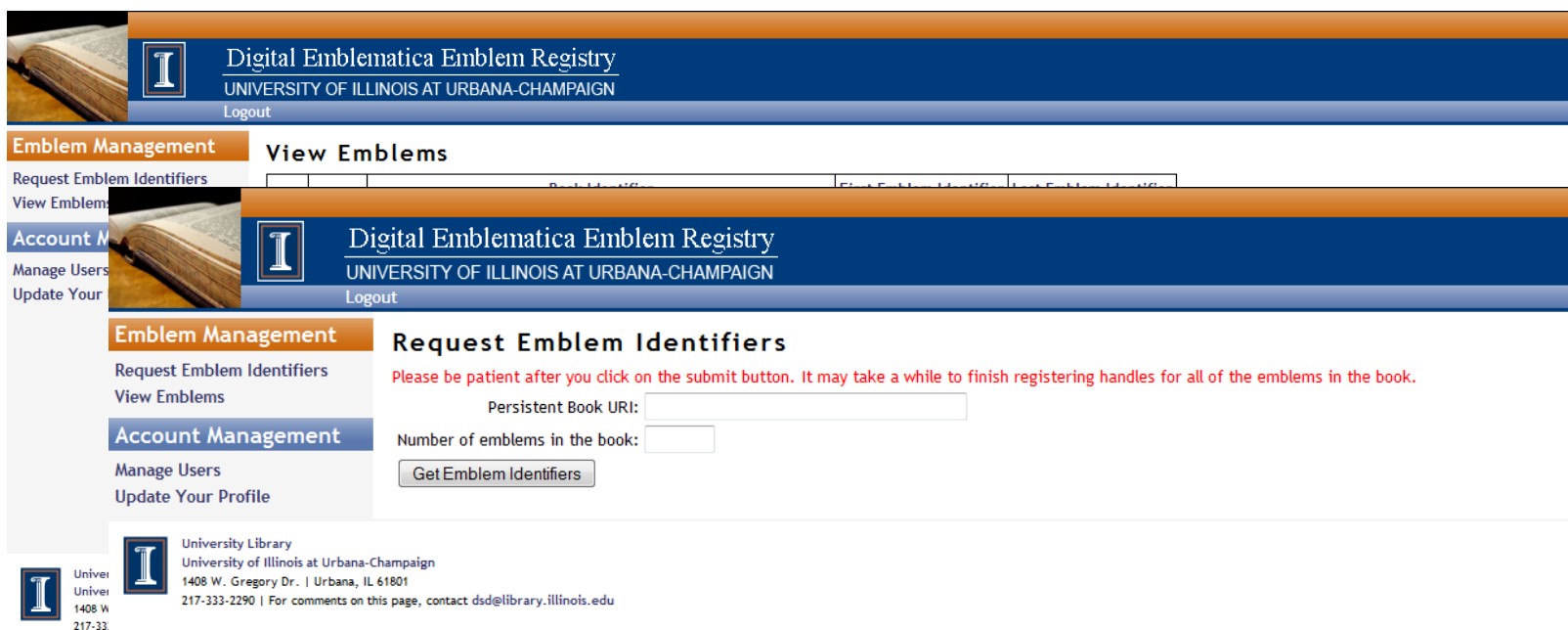
book level

- work
- expression
- edition
- copy





Identification – global emblem ID (copy level)



The screenshot displays the Digital Emblematika Emblematika Registry website. The header features the University of Illinois logo and the text "Digital Emblematika Emblematika Registry" and "UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN". A "Logout" link is visible. The main navigation menu includes "Emblem Management" (with sub-links "Request Emblem Identifiers" and "View Emblems") and "Account Management" (with sub-links "Manage Users" and "Update Your Profile"). The "View Emblems" section shows a table with columns for "Book Title", "Emblem Number", and "Emblem Description". The "Request Emblem Identifiers" section includes a red warning message: "Please be patient after you click on the submit button. It may take a while to finish registering handles for all of the emblems in the book." Below this, there are input fields for "Persistent Book URI:" and "Number of emblems in the book:", followed by a "Get Emblem Identifiers" button. The footer contains the University Library contact information: "University Library, University of Illinois at Urbana-Champaign, 1408 W. Gregory Dr., Urbana, IL 61801, 217-333-2290 | For comments on this page, contact dsd@library.illinois.edu".

Digital Emblematika Emblematika Registry
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
Logout

Emblem Management
Request Emblem Identifiers
View Emblems

Account Management
Manage Users
Update Your Profile

Digital Emblematika Emblematika Registry
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
Logout

Emblem Management
Request Emblem Identifiers
View Emblems

Account Management
Manage Users
Update Your Profile

Request Emblem Identifiers

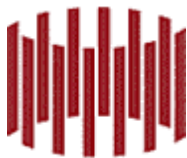
Please be patient after you click on the submit button. It may take a while to finish registering handles for all of the emblems in the book.

Persistent Book URI:

Number of emblems in the book:

Get Emblem Identifiers

University Library
University of Illinois at Urbana-Champaign
1408 W. Gregory Dr. | Urbana, IL 61801
217-333-2290 | For comments on this page, contact dsd@library.illinois.edu

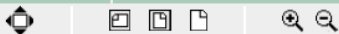


emblematica online – data modeling

 **WDB** **Hertzen Schuel oder Des von Gott abgeführten Hertzens, widerbringung Zu Gott vnd vnderweisung / Benedict Haeften. - [Electronic ed.]. - Augspurg : Weh, 1664** [Permalink: http://diglib.hab.de/drucke/li-3284/start.htm](http://diglib.hab.de/drucke/li-3284/start.htm) [Deutsch](#)

--- select display type--- Digital library Bibliographic description How to quote? Citations Download | Order CD Copyright

Lecton.
illustration
■ motto [E018313] (de)
○
Deß Hertzens Flucht.
■ pictura [E018313] ○
■ motto [E018313] (la)
○
Cordis Fuga.
■ subscriptio [E018313] (la) ○
■ section ○
■ section ○ [Die II. Lecton.]
illustration
■ pictura [E018314] ○
■ motto [E018314] (la) ○
○
Cordis Vanitas.
■ subscriptio [E018314] (la) ○
■ motto [E018314] (de) ○
○
Die Eytelkeit deß Hertzens.
■ section ○
■ section ○ [Die III. Lecton.]
illustration

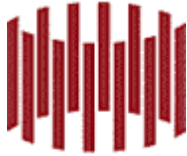
Quote this page  00140



HERZEN SCHUL. II. LECTON.
Dann wie Gott will
e Seel / die man läßt
loß dahin leben / nit and
ingarten / den man nit and
und verwächst und glei
n allen Vnaelegenheiten / mit
h bringen; und wolt ihu
fis herauß laß uns aber
id n und irenden Seel auf
ach so gen / selbst mit Fing
nachnehmen.

IE ERSTEL
CTION.

x Suchen:  Abwärts  Aufwärts  Hervorheben ☒ Groß-/Kleinschreibung



Different Levels of Access Points

The screenshot shows the Emblematica Online website. At the top left is a small emblem of a globe on a stand. The main header area has the title 'Emblematica Online' and the subtitle 'Resources for Emblem Studies'. Below this, there are three search columns: 'Search Books & Emblems' with a 'Keywords anywhere:' field containing 'liebe'; 'Search Books only' with a 'Bibliographic Search Term:' field and an 'All Fields' dropdown; and 'Search Emblems only' with a 'Keywords in motto:' field. To the left of the search area is a 'Contents' sidebar with links to Home, Digitized Emblem Books, About the Project, Other Emblem Resources, Related Work, Papers and Presentations, People, and Contact Us. To the right of the search area is a 'by Iconclass' section listing top-level categories of iconclass from 0 to 9.

Emblematica Online
Resources for Emblem Studies

Search Books & Emblems
Keywords anywhere:

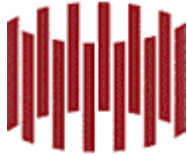
Search Books only
Bibliographic Search Term:
 ▾

Search Emblems only
Keywords in motto:

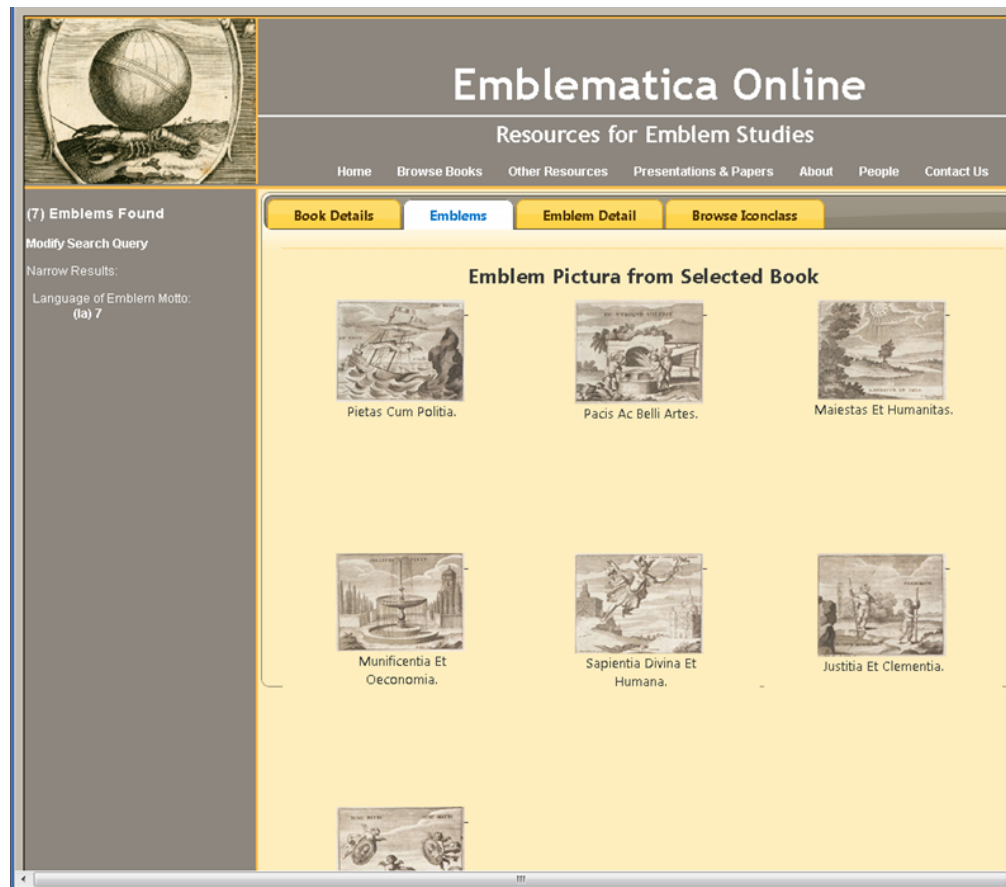
by Iconclass
Top-level categories of iconclass
[0 - Abstract, Non-representational Art](#)
[1 - Religion and Magic](#)
[2 - Nature](#)
[3 - Human Being, Man in General](#)
[4 - Society, Civilization, Culture](#)
[5 - Abstract Ideas and Concepts](#)
[6 - History](#)
[7 - Bible](#)
[8 - Literature](#)
[9 - Classical Mythology & Ancient History](#)

**Search / Discovery
functions –**

**Search Books & Emblems
Search Books only
Search Emblems only
Browse by Iconclass**



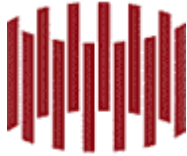
Emblem Level Access



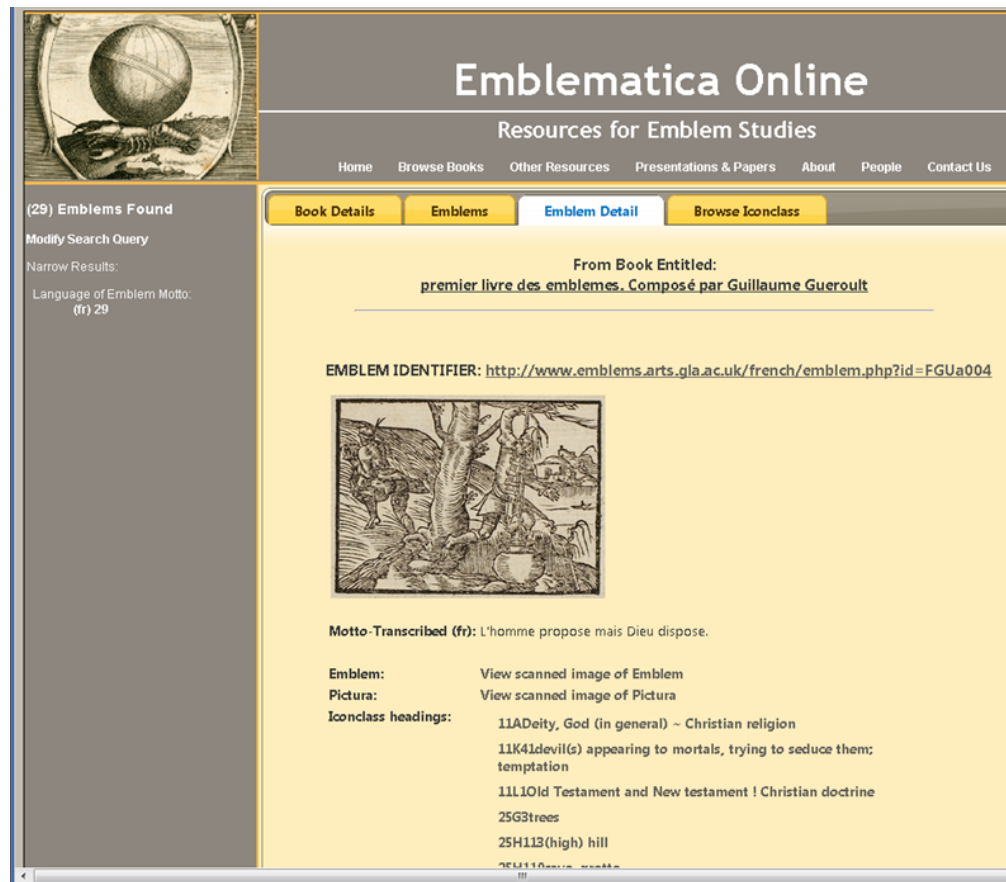
Emblems Tab –

Brings up all the emblems included in the book

Selecting Emblem Tab also makes both Emblem Detail and Browse Iconclass Tabs alive.

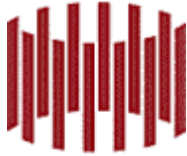


Pictura Level Access



Emblem Detail Tab introduces –

- *emblem Identifier**
- *thumbnail**
- *motto**
- *emblem/pictura links**
- *Iconclass headings (with notation and label)**



Iconclass Browse

The screenshot displays the Emblematica Online website. The header features the site's name and a navigation menu with links: Home, Browse Books, Other Resources, Presentations & Papers, About, People, and Contact Us. A left sidebar shows search results for '(140) Emblems Found' and a list of language filters: (de) 104, (fr) 25, (la) 6, and (lat) 5. The main content area is titled 'Emblematica Online Resources for Emblem Studies' and includes a tabbed interface with 'Browse Iconclass' selected. Below the tabs, there are language filters (en, fr, cn, de, it, fi) and a list of search results. The results include categories like 'Society, Civilization, Culture', 'warfare; military affairs', 'war and peace', and 'peace'. A detailed view for '45A20 symbols, allegories of peace, 'Pax'; 'Pace' (Ripa)' is shown, listing various sub-categories with their respective counts and descriptions.

Emblematica Online
Resources for Emblem Studies

Home Browse Books Other Resources Presentations & Papers About People Contact Us

(140) Emblems Found
Modify Search Query
Narrow Results:
Language of Emblem Motto:
(de) 104
(fr) 25
(la) 6
(lat) 5

Book Matches Emblem Matches Emblem Detail **Browse Iconclass**

en fr cn de it fi

+ 4 [Society, Civilization, Culture](#)
+ 45 [warfare; military affairs](#)
+ 45A [war and peace](#)
+ 45A2 [peace](#)

45A20 symbols, allegories of peace, 'Pax'; 'Pace' (Ripa)

- + 45A20(+0) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ variant\)](#)
- + 45A20(+1) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ during the battle\)](#)
- + 45A20(+2) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ land forces\)](#)
- + 45A20(+3) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ naval force\)](#)
- + 45A20(+4) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ air force\)](#)
- + 45A20(+5) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ ranks; division of armed forces\)](#)
- + 45A20(+6) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ weapons\)](#)
- + 45A20(+7) [symbols, allegories of peace, 'Pax'; 'Pace' \(Ripa\) \(+ situation of the terrain ~ warfare\)](#)

**Makes available
iconclass headings
browseable and
searchable by**

- 1. Notation**
- 2. Language**
- 3. Keywords**



ICONCLASS Browser provided by arkyves via <iframe>

Firefox | Arkyves HIM HAB | http://dbs.hab.de/...de:ppn_571438016 | http://dbs.hab.de/oai/emblem/ | Result of search: pica.ser+%3D+%22e... | +

http://him.arkyves.org/HAB/?language=de

Meistbesuchte Seiten | Erste Schritte | Aktuelle Nachrichten | Hauptseite - HAB-Wiki | Postbank Online-Bank... | Lesezeichen

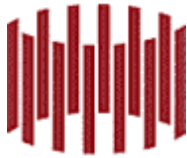
English Français Italiano

- abstrakte, ungegenständliche Kunst
- Religion und Magie
- Natur
- der Mensch (allgemein)
- Gesellschaft, Zivilisation, Kultur
- abstrakte Ideen und Konzeptionen
- Geschichte
- Bibel
- Literatur
- Klassische Mythologie und Antike Geschichte

21127 found. 1 2 3 ... 423 Next >

zotero

DE 08:00 16.05.2011



Interfaces - OAI

OAI 2.0 Request Results - Wolfenbuettel Digital Library

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You are viewing an HTML version of the XML OAI response. To see the underlying XML use your web browsers view source option. More information about this XSLT is at the [bottom of the page](#).

Datestamp of response 2012-03-11T10:39:39Z

Request URL http://dbs.hab.de/oai/emblem

Request was of type GetRecord.

OAI Record: oai:diglib.hab.de:ppn_386565368

OAI Record Header

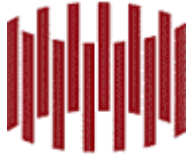
OAI Identifier oai:diglib.hab.de:ppn_386565368 [oai_dc](#) [emblem](#) [mods](#) [mets](#) [display in DFG viewer](#)

Datestamp 2004-12-31

Emblem Description Schema (emblem)

```
<emblem:biblioDesc xsi:schemaLocation="http://diglib.hab.de/rules/schema/emblem http://diglib.hab.de/rules/schema/emblem/emblem-1-2.xsd" >
  <mods:mods xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3-3.xsd" >
    <mods:identifier type="purl" >http://diglib.hab.de/drucke/154-24-eth-1/start.htm</mods:identifier>
    <mods:recordInfo>
      <mods:recordIdentifier source="wdb" >oai:diglib.hab.de:ppn_386565368</mods:recordIdentifier>
    </mods:recordInfo>
    <mods:name type="personal" >
      <mods:namePart type="family" >Reifenbergius</mods:namePart>
      <mods:namePart type="given" >Justus</mods:namePart>
    </mods:role>
    <mods:roleTerm authority="marcrelator" type="code" >aut</mods:roleTerm>
    </mods:role>
    <mods:name>
      <mods:namePart type="personal" >
```

x Suchen: Abwärts Aufwärts Hervorheben ☒ Groß-/Kleinschreibung



emblematica online – data modeling

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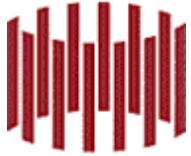


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modeling issues

- Mingling general (basic) standards (structural metadata) and proprietary community related formats
- Defining general entities in the humanities: work, edition, copy (cf. FRBR/RDA)
 - person, place, subject, time (special role of illustrations)
- Unique and persistent identification of entities
- Sharing data across language boundaries (e.g. by using ICONCLASS or similar standards)
- Perspectives for joint capturing or exchanging data and collaborative research scenarios