



Creating document
management system for the
digital library of manuscripts:
M-Tool and M-Can for
Manuscriptorium
Jindřich Marek

National Library of the Czech Republic, Prague

TEI 2009 Members' Meeting, University of Michigan

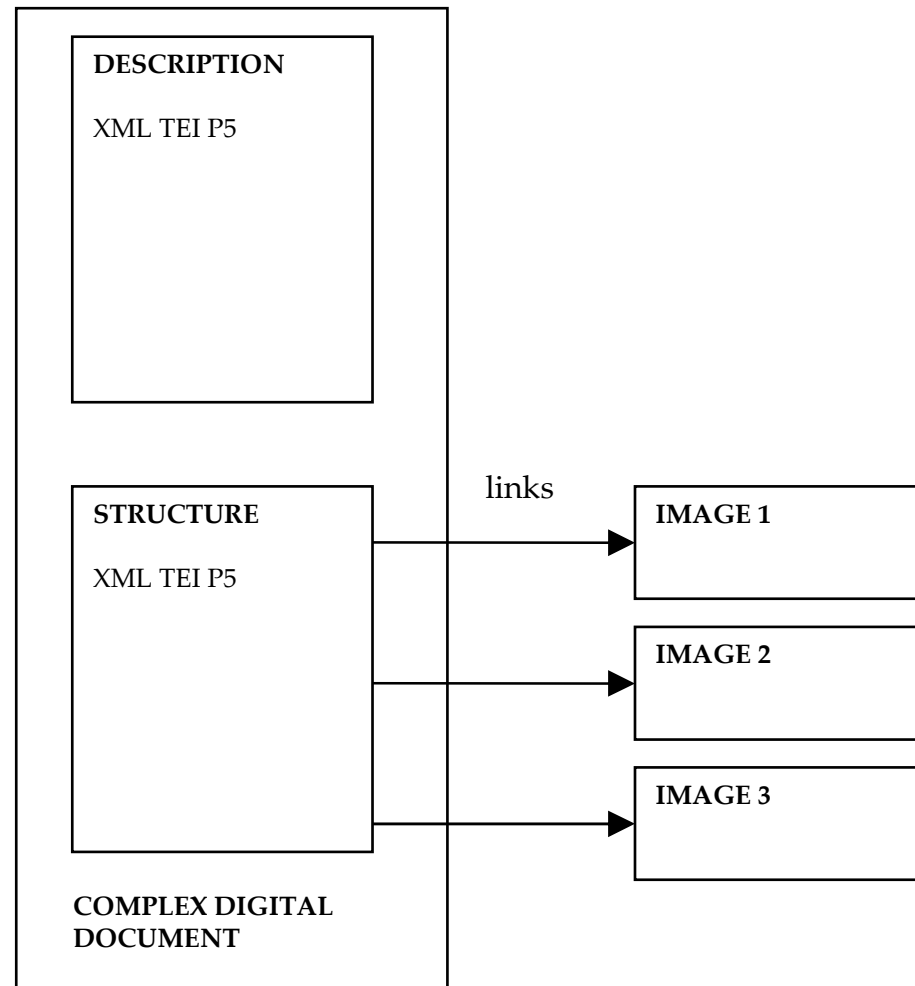
Functions of the document management system (DMS)

- online creation of metadata
- upload and/or download of the metadata
- management of the data in the system

Online creation of descriptive metadata

- creating a distributed complex digital document
- parts of the document: descriptive metadata, structural metadata (page level) incl. references (links to images)

Online creation of descriptive metadata



Management system

- contents management
- users and groups
- conversions

Manuscriptorium

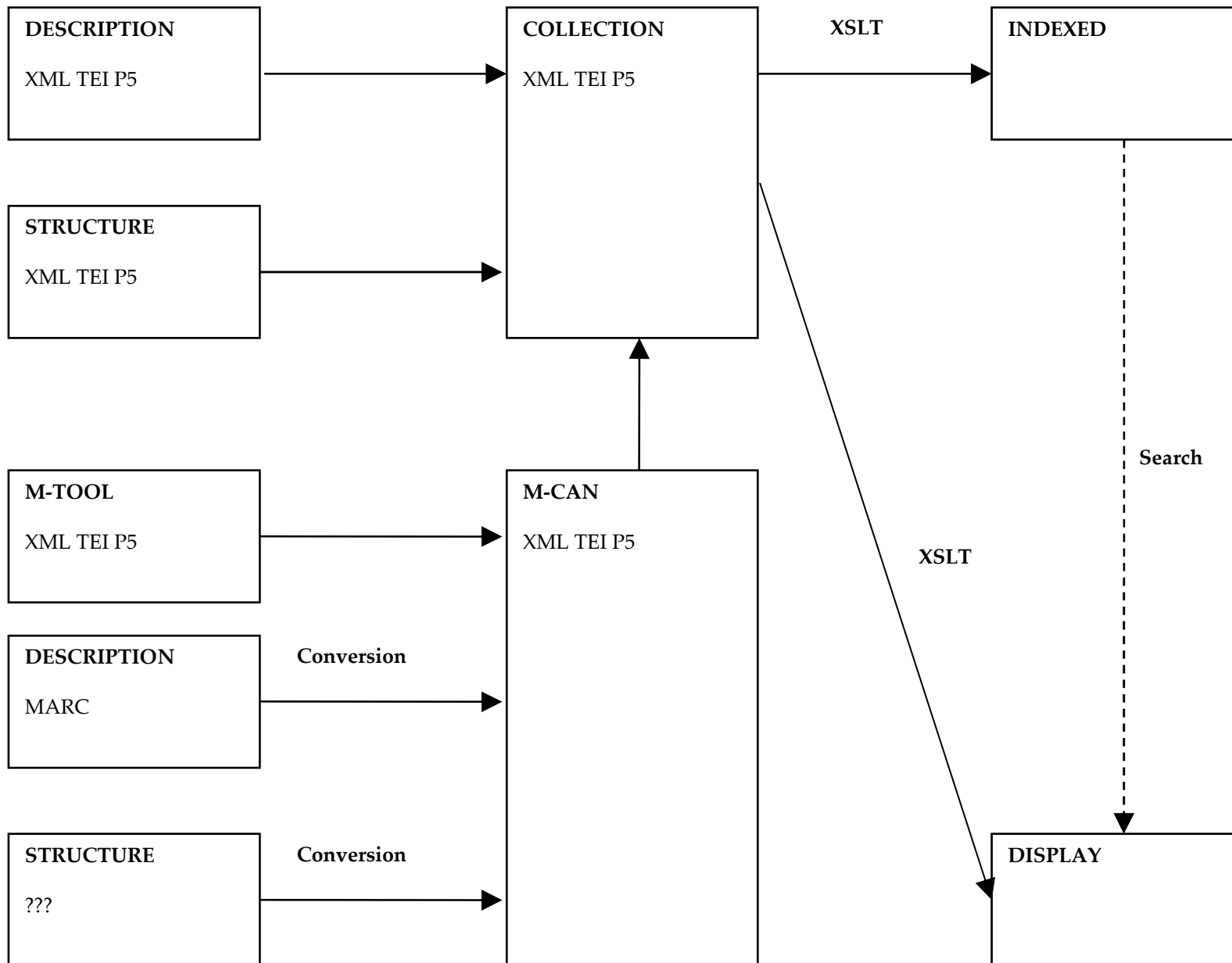
- www.manuscriptorium.com
- digital library fully based on the TEI P5 standard (the ENRICH project scheme, 2009)
- about 190.000 descriptive records concerning manuscripts and early printed books

Manuscriptorium and ENRICH

Three ways of alien data integration

- harvesting through OAI-PMH
- connector (upload of data, for a bigger amount of data)
- **M-Tool** (for creation of new metadata or for entering it manually)

Inside of the Manuscriptorium



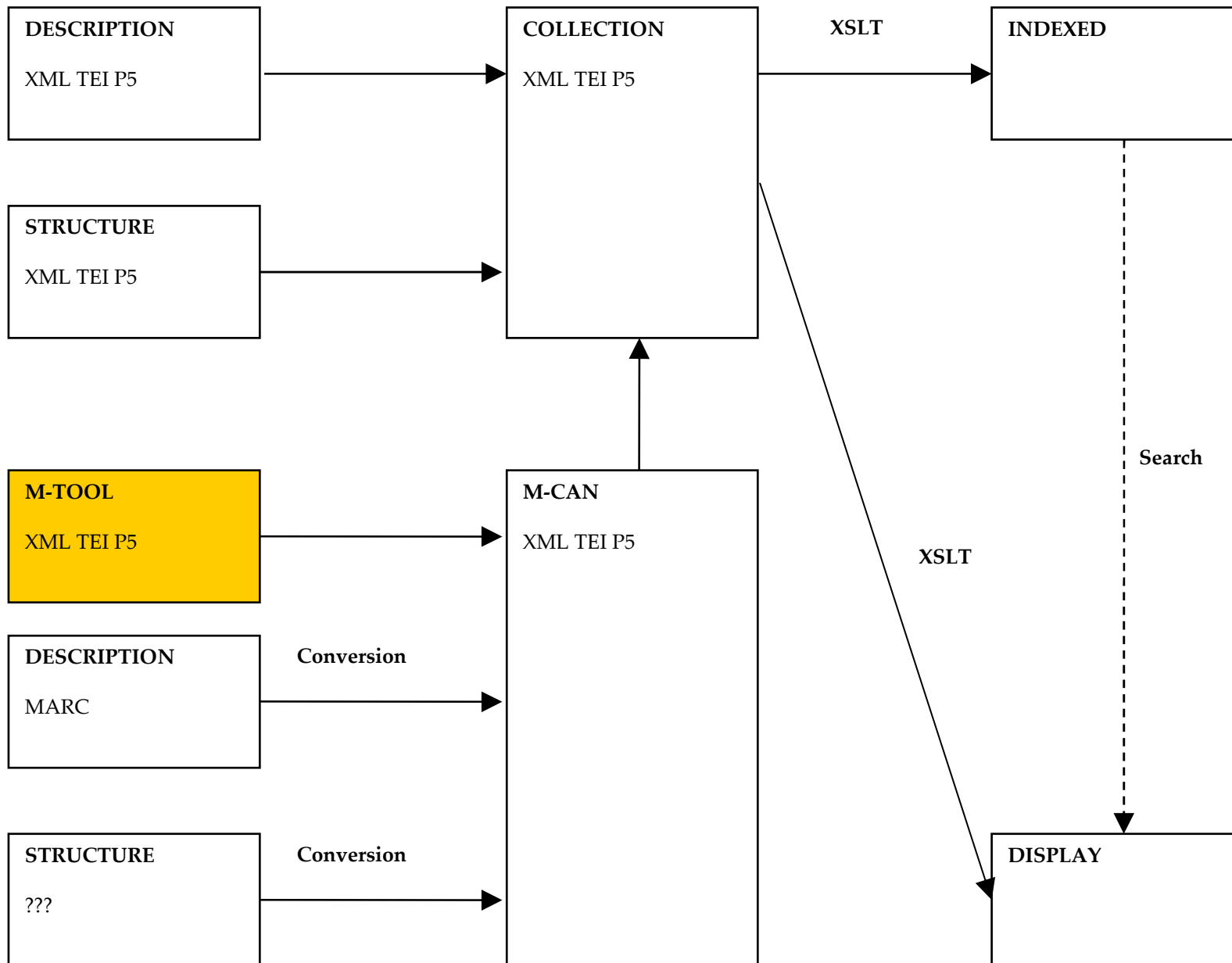
Workflow

- creating and editing the records: **M-Tool**
- uploading and evaluating: **M-Can**

M-Tool

- online application serving the partners of the Manuscriptorium who create new metadata for existing image data
- for creation of descriptive and structural metadata and consequently also compound digital documents
- full use of the UTF-8 standard

Inside of the Manuscriptorium



M-Tool

Document	Description	Structure	Preview	Help	
General	Identification	Intellectual Contents	Physical Description	History	Additional

Document summary: manuscript file name: VIII_E_3.xml

Title and Publication Statement

<i>Title of Document</i>	<input type="text" value="Textus varii, praecipue s"/>
<i>Distributor of Record</i>	<input type="text" value="National Library of The C"/>
<i>Main Record Language</i>	<input type="text" value="cze"/>

Record Identification

[Add new](#)

Record Origin

Date	<input type="text" value="1415"/>
Responsible Person Name	<input type="text" value="Jindřich Marek"/>
Responsible Institution	<input type="text" value="National Library of The C"/>

Record Revisions


Date	Responsible Person	Responsible Institution	Note
2009-11-05	Jindřich Marek	National Library of The Czech Republic	First "stable" revision of a sample record for the demonstrat...
2009-11-06	Jindřich Marek	National Library of The Czech Republic	Version with correct image links.

[Add new](#)

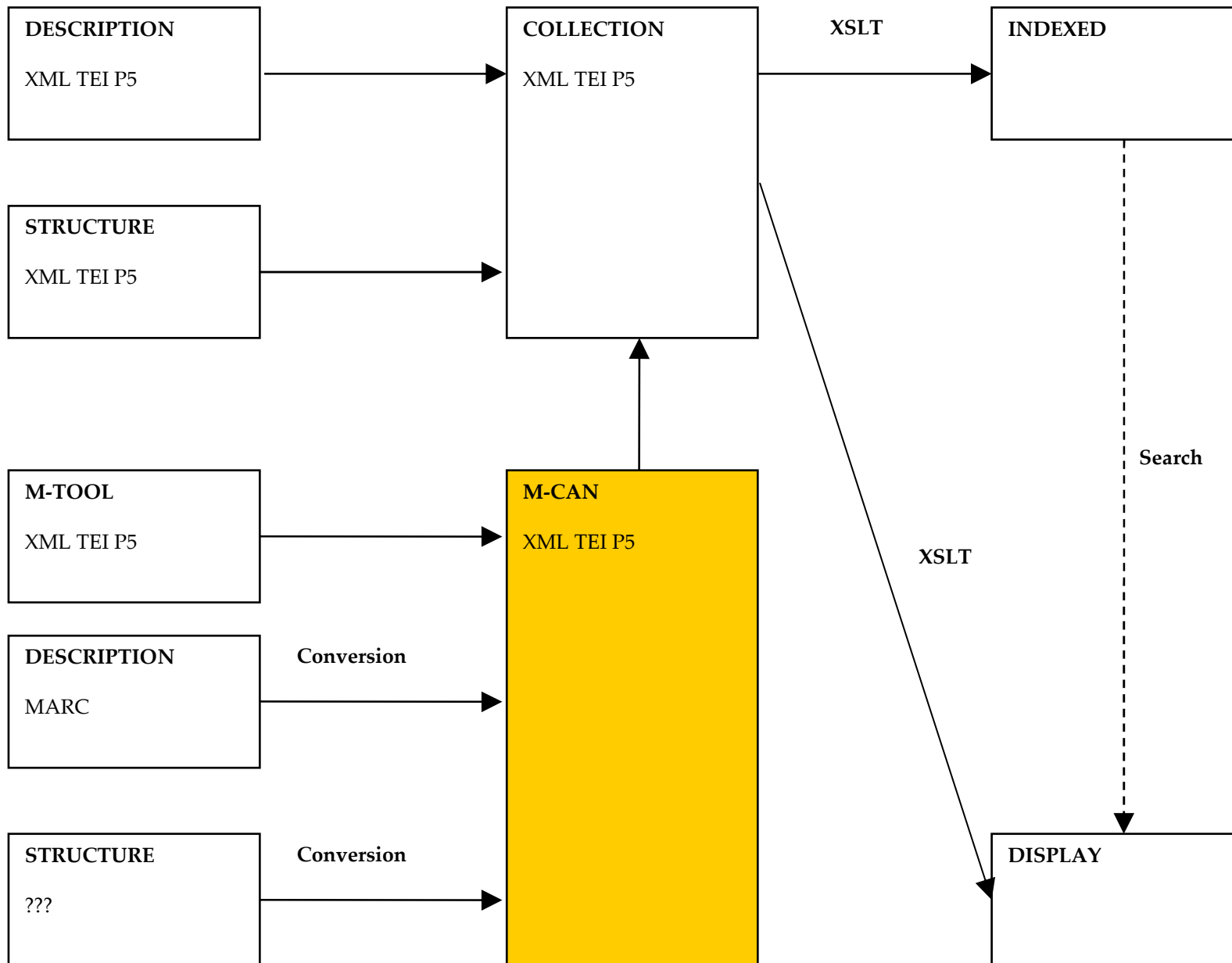
M-Can

- online tool for uploading and managing the records
- common functions: Add new file, display, delete, change status

M-Can

		
Homepage		
View interpretation of file		
Actions: Change status Delete Display list Add new		
Browse facsimile	Textus varii, praecipue sermones	A virtual document by National Library of The Czech Republic
Identification		Publication Statement
Country: Czech Republic <small>key: xr</small> Settlement: Prague Institution: National Library of The Czech Republic Repository: National Library of The Czech Republic Collection: Basic Idno: VIII E 3		Distributor National Library of The Czech Republic
Contents		
Summary Textus varii, praecipue sermones		
Content Item No. 1 (codex)		
Locus:		
Text Language: <small>mainLang: lat</small>		
Title: Textus varii, praecipue sermones <small>type: main; xml:lang: lat</small>		
Incipit: Preterita septimana habuimus ex evangelio, quomodo astucia dyaboli multe [tribula]ciones sunt insite in ecclesiam sanctam sicut zizania in triticum, hodie iam ista dominica ultima communiter legunt evangelium de quinque panibus, ubi scilicet deus saciavit quinque milia hominum de quinque panibus sed aliud evangelium assumo quod scribitur Mathei XXIII ^{Io} . In illo tempore accesserunt ad eum discipuli ut monstrarent edificium templi [Mt XXIV,1]. Ad		

Inside of the Manuscriptorium



The Structure in M-Tool I

Numbering System

Numbering system of the digital copy document

- ☒ with reference to numbering system of the original document
☐ numerical series only

Numbering system of the original document

Foliation

Structure of the digital copy

Indicate parts which (and how many) are available in the digital copy:

Front cover



Front end-sheet



Spine



Back end-sheet



Back cover



Front part

0

Main part

188

Back part

0

Irregularities

Special numbering pages

135(2)

Missing pages

The Structure in M-Tool II

Way of digitization

Number of pages/folios per image

- ☒ one page/folio per image
☐ two page/folios per image

Filenames and URLs

Base URL

http://digit.nkp.cz

Subfolder

rukopisy/VIII_E_3

Filename prefix

VIII_E_3_____0CEJN:

Suffix

Extension

jpg ▼

Filename main part normalized length


5

Generate structure of the Digital Copy

The XML source

```
<TEI>
  <teiHeader>
    <fileDesc>
      <titleStmt>
        <title>Textus varii, praecipue sermones</title>
      </titleStmt>
      <publicationStmt>
        <distributor>National Library of The Czech Republic</distributor>
      </publicationStmt>
      <sourceDesc>
        <msDesc xml:id="id1" xml:lang="cze">
          <msIdentifier>
            <country key="xr">Czech Republic</country>
            <settlement>Prague</settlement>
            <institution>National Library of The Czech Republic</institution>
            <repository>National Library of The Czech Republic</repository>
            <collection>Basic</collection>
            <idno>VIII E 3</idno>
          </msIdentifier>
          <msContents>
            <summary>Textus varii, praecipue sermones</summary>
            <msItem class="codex" n="1">
              <locus to="187v" from="1r"/>
              <textLang mainLang="lat"/>
              <title type="main" xml:lang="lat">Textus varii, praecipue sermones</title>
              <incipit>Preterita septimana habuimus ex evangelio, quomodo astucia dyaboli multe [tribula]ciones sunt insite in
ecclesiam sanctam sicut zizania in triticum, hodie iam ista dominica ultima communiter legunt evangelium de quinque
panibus, ubi scilicet deus saviavit quinque milia hominum de quinque panibus sed aliud evangelium assumo quod scribitur
Mathei XXIIIo. In illo tempore accesserunt ad eum discipuli ut monstrarent edificium templi [Mt XXIV,1]. Ad intelligendum go
sancti evangelii verba adaperiat deus sensus et corda nostra. Evangelium hoc secundum exposiciones est de temporibus
periculosus<locus to="1r" from="1r"/></incipit>
            <author ref="auth_0001">Iacobellus de Misa (+1429)</author>
          </msItem>
        </msContents>
        <physDesc>
          <objectDesc form="codex">
            <supportDesc material="chart">
              <extent>II + 187 (recte 188) + I ff., f. 135 bis (pozůstatek vyříznutého folia)<dimensions type="leaf"><height>215
</height><width>150</width></dimensions></extent>
            <foliation>
              <p>Modern foliation by pencil.</p>
            </foliation>
          </supportDesc>
        </objectDesc>
        <bindingDesc>
          <binding contemporary="true" notBefore="1415" notAfter="1415"/>
        </bindingDesc>
      </msDesc>
    </fileDesc>
  </teiHeader>
</TEI>
```

Display of the record in M-Can

		
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Display of the facsimile in M-Can

