

XML as a tool to enrich charter metadata

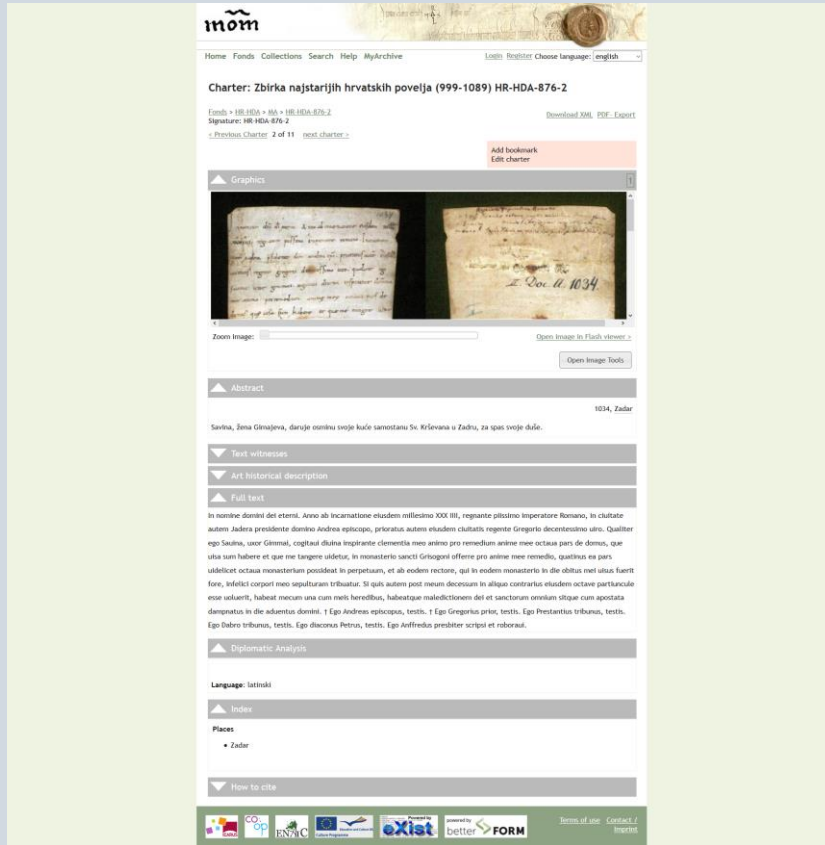
IN THE MONASTERIUM-PORTAL

DANIEL JELLER (ICARUS)

Monasterium.net

OVERVIEW

Database for medieval and early modern charters



Launched
around 2002

169 Archives

1.952 Fonds

182 collections

624.926 charters

842.963 images

Collaborative working environment

EditMOM
All changes saved. Open Image Tools

Graphics XML 876-4.jpg

indexing layout original reference **place name**

Abstract transcription source description of original copies commentary
appendix

reference number
»HR-HDA-876-4«

Abstract
»Potvrda zadarskog biskupa Stjepana da samostanu »Sv. Krševana u Zadru« pripada crkva Arkandela Mihovila na Pašmanu s pripadajućim zemljištem, koju su samostanu poklonili biskup Prestancije i prior Majus.«

place name
»Zadar«

date
»1067«

date range
»«

Attributes Validation Report

Controlled Vocabulary On Off

certainty
still
existent
facts
id
key
language
number/name
regular name
resp
type

Online document editor

Detailed diplomatic metadata

User created collections

User created documents

Automatically save changes

Moderated publication

Technology stack



Apache web server



eXist-db – XML Database



AJAX based frontend



XML

MAIN DATA FORMAT IN MONASTERIUM.NET

Reminder: XML

Short for “Extensible Markup Language”

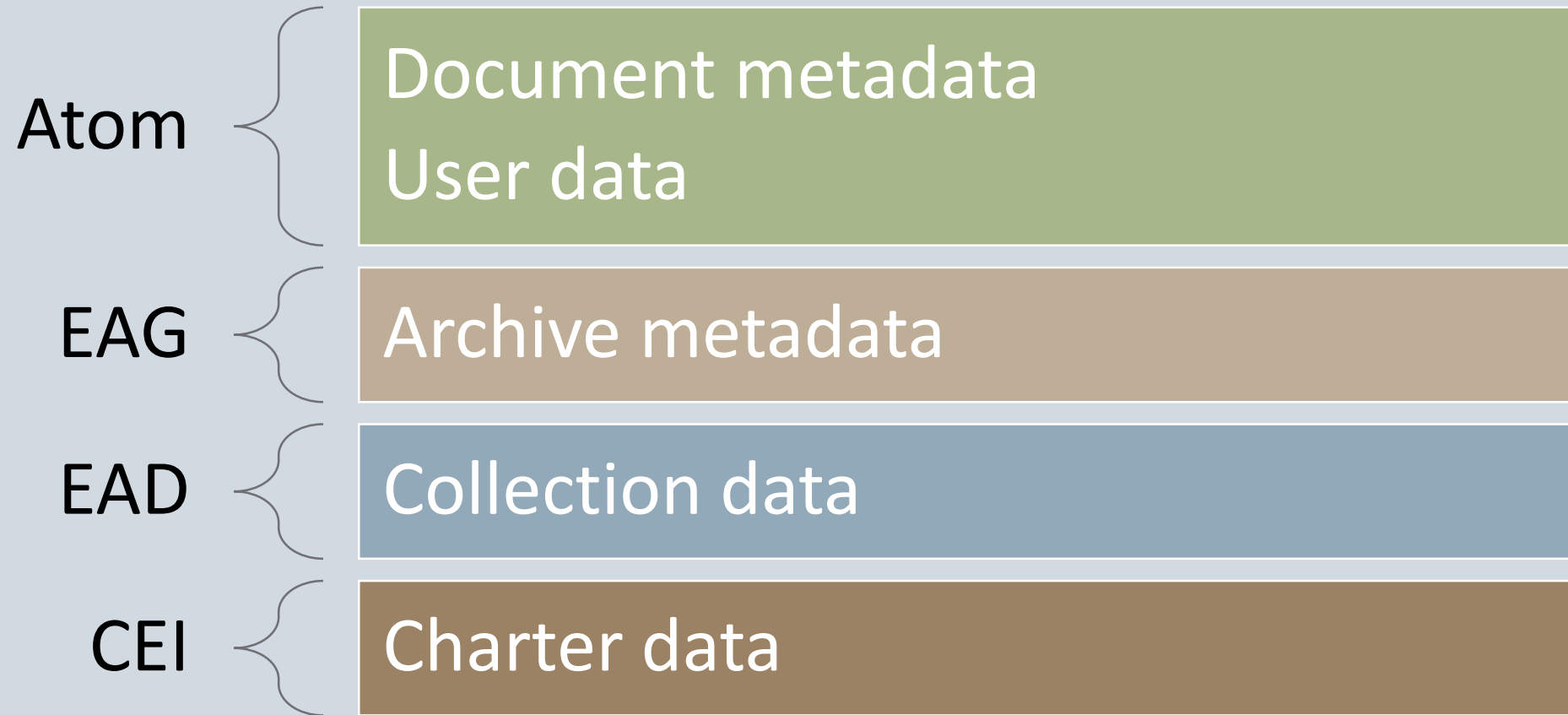
Mainly aimed at documents (as opposed to relational/table structures or graphs)

Strict rules for well-formedness

Possibility to specify allowed data using different schema languages (DTD, XML-Schema, Relax NG)

Widely used (XHTML, SVG, Atom, Open Office, EAD, TEI, ...)

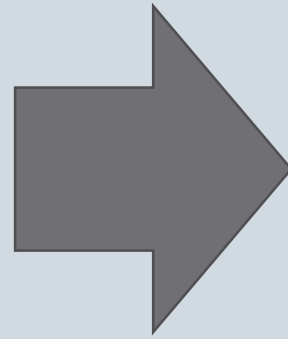
XML in MOM-CA



CEI

THE CHARTERS' ENCODING INITIATIVE

Charters are documents



```
result_fond_462.xml - Visual Studio Code
result_fond_462.xml x
26     </cei:sourceDescRegest>
27     </cei:sourceDesc>
28     </cei:front>
29     <cei:body>
30     <cei:idno id="ZA 39">ZA 39</cei:idno>
31     <cei:chDesc>
32     <cei:abstract>
33     <cei:issuer>Ladislav V.</cei:issuer> vydáva armáles na
34     meno Mikuláš Flins.</cei:abstract>
35     <cei:issued>
36     <cei:placeName>Praha</cei:placeName>
37     <cei:date xmlns="http://www.monasterium.net/NS/cei"
38     value="14540713">1454 VII 13</cei:date>
39     </cei:issued>
40     <cei:witnessOrig>
41     <cei:traditioForm/>
42     <cei:figure n="SK_1120_462_ZA-39_r">
43     <cei:graphic
44     url="SK_1120_462_ZA-39_r.JPG">SK_1120_462_ZA-39_r.
45     JPG</cei:graphic>
46     </cei:figure>
47     <cei:figure n="SK_1120_462_ZA-39_v">
48     <cei:graphic
49     url="SK_1120_462_ZA-39_v.JPG">SK_1120_462_ZA-39_v.
50     JPG</cei:graphic>
51     </cei:figure>
52     <cei:archIdentifier>
53     <cei:arch>1120 - Archív hlavného mesta SR
54     Bratislavy</cei:arch>
55     </cei:archIdentifier>
56     <cei:physicalDesc>
57     <cei:material/>
58     </cei:physicalDesc>
59     <cei:auth>
60     <cei:sealDesc/>
```

Overview

<http://www.cei.lmu.de/project>

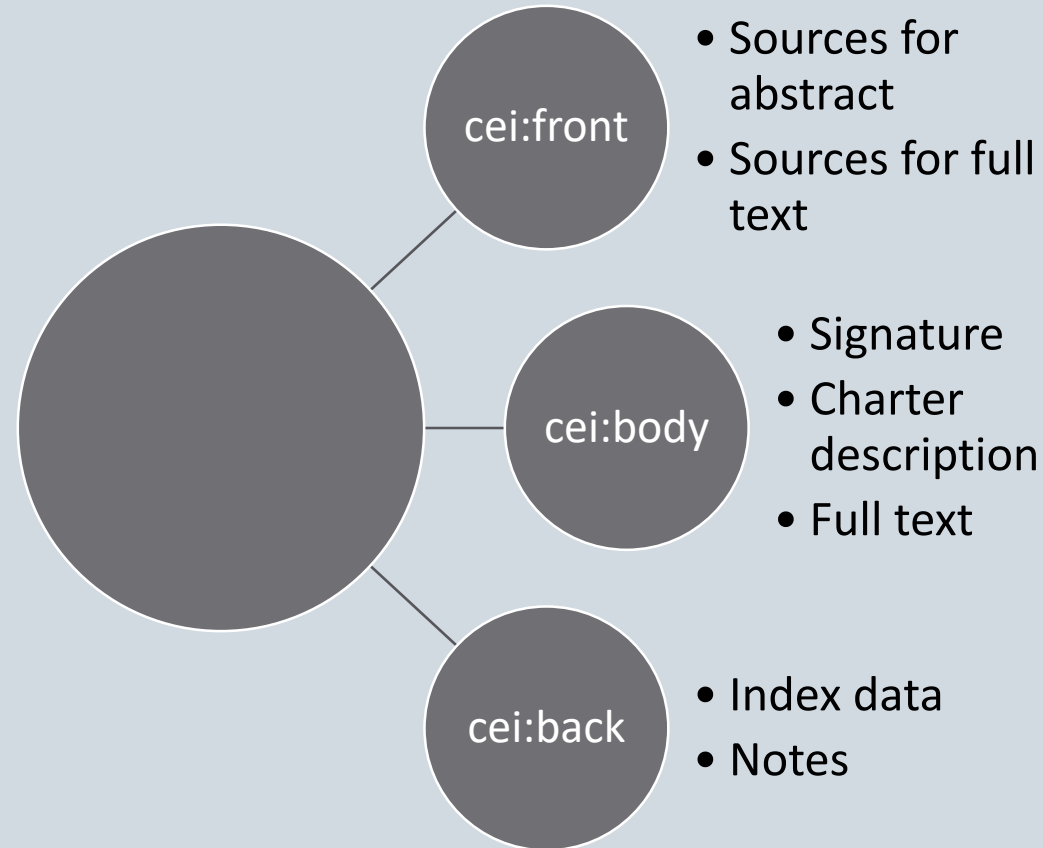
Started 2004

Related to TEI – Text Encoding Initiative

Encodes whole charters

Detailed, scientific expressive metadata

Basic building blocks



Main content elements

cei:idno – Signature

cei:abstract – Charter abstract

cei:issued – Date and location of the charter issuing

cei:archIdentifier – Identifier of the containing archive

cei:auth – Charter authentication (seals, notarial marks)

cei:physicalDesc – Material, size, physical condition

cei:figure – Name and description of linked digital images

cei:diplomaticAnalysis – Diplomatic description; analysis; notes regarding the charter

cei:tenor – The full text with diplomatic mark up (formulary, persons, places, et al.)

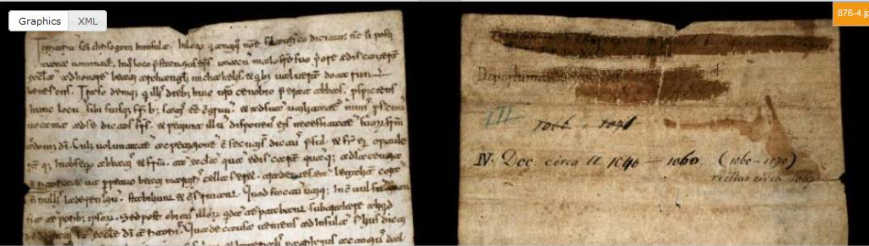
CEI in MOM-CA

VARIOUS USES

Input

EditMOM
All changes saved. Open Image Tools

Graphics XML 876-4.jpg



indexing layout original reference **place name**

Abstract transcription source description of original copies commentary appendix

reference number
"HR-HDA-876-4"

"Potvrda zaderskog biskupa Stjepana da samostanu »Sv. Krševana u Zadru« pripada crkva Arkandela Mihovila na Pašmanu s pripadajućim zemljištem, koju su samostanu poklonili biskup Prestancije i prior Majus."

place name
"Zadar"

date
"1067"

date range
""

Attributes Validation Report

Controlled Vocabulary On Off

certainty
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number/name
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result_fond_462.xml - Visual Studio Code

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45 JPG</cei:graphic>
46 </cei:figure>
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48 <cei:graphic
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50 JPG</cei:graphic>
51 </cei:figure>
52 <cei:archIdentifier>
53 <cei:arch>1120 - Archiv hlavného mesta SR
54 Bratislavy</cei:arch>
55 </cei:archIdentifier>
56 <cei:physicalDesc>
57 <cei:material/>
58 </cei:physicalDesc>
59 <cei:auth>
60 <cei:sealDesc/>
```

Output

```
result_fond_462.xml - Visual Studio Code
Untitled-1 • Untitled-2 • mertacollection.xml x result_fond_462.xml x
26 </cei:sourceDescRegest>
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</cei:archIdentifier>
<cei:physicalDesc>
<cei:material/>
</cei:physicalDesc>
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```


Searching

```
result_fond_462.xml - Visual Studio Code
Untitled-1 • Untitled-2 • mertacollection.xml x result_fond_462.xml x
26 </cei:sourceDescRegest>
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</cei:archIdentifier>
<cei:physicalDesc>
<cei:material/>
</cei:physicalDesc>
<cei:auth>
<cei:sealDesc/>
```

sort
by date
relevance ranking

categories:
cei:witnessOrig (10) (10)
archival identification
Abstract (13) (13)

filter
Only hits with images

Fonds
Arhivele Naționale ale României
ColPec (10) (10)

collections
BISANU (3) (3)
MedDocBulgEmp (10) (10)

Charter: 1192-02-02_sic!_Ioan_Kaliman
Medieval Documents of the Second Bulgarian Empire, (Collection)
Date: 2 February 1192
... his left hand. On reverse, a portrait of St. Demetrios, patron of the Asen Family. Ioan Asen II Mount Athos, Archives of Zograf Monastery. Parchment. Forgery from the 16th or 17th century. мѣсеца Фебруара В ...
Images: 0
Full text: no
[View Charter in context](#)
[Browse in search results](#)
[PDF- Export](#)

Charter: 1220-01-xx_Alexis_Slav_A
Medieval Documents of the Second Bulgarian Empire, (Collection)
Date: January 1220
... Melnik and guarantees its independence. Melnik January 1220 Mention of seal in text. Alexis Slav ? Mount Athos, Archives of Vatoped Monastery, B ξ 1 Paper. 370 x 283 mm Copy. ins. Copy, maybe 14th century (B in ...
Images: 1
Full text: no
[View Charter in context](#)
[Browse in search results](#)
[PDF- Export](#)

Charter: 1220-01-xx_Alexis_Slav_B
Medieval Documents of the Second Bulgarian Empire, (Collection)
Date: January 1220
... Melnik and guarantes its independence. Melnik January 1220 Mention of seal in text. Alexis Slav ? Mount Athos, Archives of Vatoped Monastery, B ξ 1 Paper. 322 x 302 mm Copy. ins. Copy, 13th century (A in this c ...
Images: 1
Full text: no
[View Charter in context](#)
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[PDF- Export](#)



Thank you

[HTTP://MONASTERIUM.NET](http://monasterium.net)

[HTTP://ICAR-US.EU](http://icarus.eu)