TüBingen

Digital Critical Edition Of Medieval Music
The Music of Hildegard von Bingen [1098-1179]

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„Digitale Medien und Musikedition“
Akademie der Wissenschaften Mainz
17.11.2006
International Congress

Hildegard von Bingen/Bingen 1998:

- „Deconstructing” myths surrounding Hildegard
- Situating Hildegard in contemporary context
- Manuscripts: Identification of scribes
- Urgent need for new critical edition

English version to appear at University of Rochester Press
Scribal habits: „Special neume” on B (E) in E-mode songs

R f. 475 vb, 15: [R.] O Euchari columba

R f. 476, 3: Sequentia O Euchari

R f. 476, 15

R f. 476, 6

R f. 476b, 3
Codex R [„Riesencodex”]

Codex D [Dendermonde]
The TüBingen Project

- Hildegard von Bingen (1098-1179) in the computer
  - Remote repertory
  - Outside CWN
    - Neumes
    - Square notation
    - No definite concept of bars, meter, (pitch) etc.

- Vital interest of musicology in editing early music
- Test for flexibility, extensibility of a representation

- Collaboration of Departments at Tuebingen University
  - Musicology
  - Computer Science
  - Business Informatics

- Supported by DFG and CCARH
Antiphon *O splendidissima gemma*, R f. 466vb

Simulation of GUI
Antiphon *O splendidissima gemma*, R f. 466vb

Simulation of GUI: Transcription Mode
Guidelines for representation:

- Encoding variant/parallel readings
- Encoding critical commentary
- Encoding neumes:
  - pitched, unpitched
  - no fixed duration/meter
  - neume forms
  - grouping of neumes
- Using existing/upcoming standards as far as possible
- Platform independency
- „Dynamic edition“
Encoding using **Hildegard**
representation

MusicXML

So far:

- Variant readings stored in a single document not intended, references possible with `<bookmark>` and `<link>`
- Critical commentary not intended, maybe with `<editorial>` and `<footnote>`
- Encoding of neumes not supported, possibly with `<other-notation>`, if so specific to application
MEI – Music Encoding Initiative

- Variant readings in a single document supported with `<appst>` and `<srdg>`
- Critical commentary for example with `<annot>`
- Encoding of neumes not supported, but under development
NeumesXML

- Variant readings in a single document not intended
- Critical commentary: editorial comments with `<editorial_comment>`
- Encoding of neumes realized, however no support of CWN
  → single encoding scheme without connection to other proposed formats (MusicXML, MEI)
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      <syl>-cus</syl>
    </verse>
    <note pname="d" oct="3"/>
    <note pname="e" oct="3"/>
  </neume>
  <appst id="app1">
    <srdg source="n1">
      <neume type="punctum"
        pname="g" oct="3">
        <verse>
          <syl>so-</syl>
        </verse>
      </neume>
    </srdg>
    <srdg source="n2">
      <neume type="punctum">
        <verse>
          <syl>so-</syl>
        </verse>
        <note pname="g" oct="3"/>
        <note pname="g" oct="3"/>
      </neume>
    </srdg>
  </appst>
  <neume type="punctum"
    pname="a" oct="3"/>
</staff>

<srdg source="n2">
  <neume type="punctum">
    <verse>
      <syl>so-</syl>
    </verse>
    <note pname="g" oct="3"/>
    <note pname="g" oct="3"/>
  </neume>
</srdg>
</appst>

<neume type="punctum"
  pname="a" oct="3"/>
</staff>

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  plist="n1 n2">
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</annot>
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    &E;&up;&END;
  </neume>
</neumed_syllable>

&space;

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  <neume>
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    &up;&punctum;&a;&up;&END;
  </neume>
  <editorial_comment
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  <neume>&STA;&climacus3;&c;
    &up;&b;&dn;&a;&dn;&END;
  </neume>
  ...
</neumed_syllable>

manuscript R

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&space;

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    &up;&punctum;&G;&EQ;
    &punctum;&a;&up;&END;
  </neume>
  <neume>&STA;&climacus3;&c;
    &up;&b;&dn;&a;&dn;&END;
  </neume>
  ...
</neumed_syllable>

manuscript D
Conclusion

- Finding representation as close as possible to or extending an existing representation
- Meeting the various needs of critical editions (not only for) medieval music