

MEI

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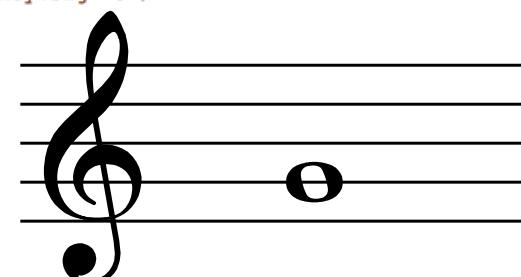
MEI

- Music Encoding Initiative: XML representation for music with focus on academic research
- Features for generating critical editions of a work (with multiple source that are not the same)
- Secondary concentration on pre-modern western musical notation (mensuration and neumes).

```
<?xml version="1.0" encoding="UTF-8"?>
<mei>
  <meihead>
    <meiid>20071029101306082</meiid>
    <filedesc>
      <titlestmt>
        <title>Hello World!</title>
      </titlestmt>
      <pubstmt/>
    </filedesc>
  </meihead>
  <work>
    <music>
      <mdiv>
        <score>
          <scoredef meter.count="4" meter.unit="4" key.sig="0">
            <staffgrp>
              <staffdef n="1" id="P1" label.full="Music" clef.line="2" clef.shape="C" midi.div="1" key.sig="0"/>
            </staffgrp>
          </scoredef>
          <section>
            <scoredef meter.count="4" meter.unit="4" key.sig="0"/>
          </section>
          <measure n="1" id="d1e6">
            <staff>
              <layer>
                <note id="d1e24" tstamp="0" pname="C" oct="4" dur="1" dur.ges="4"/>
              </layer>
            </staff>
          </measure>
        </score>
      </mdiv>
    </music>
  </work>
</mei>
```

- Examples: <http://music-encoding.org/documentation/samples>

Hello World!



TEI

- MEI is modeled after the Text Encoding Initiative: <http://www.tei-c.org/index.xml>
“a consortium which collectively develops and maintains a standard
for the representation of texts in digital form.”

```
<TEI xmlns='http://www.tei-c.org/ns/1.0' xmlns:xml='http://www.w3.org/XML/1998 namespace'  
xml:id="A050153">  
<teiHeader>  
<fileDesc>  
<titleStmt>  
<title level="s">Aktuelle Nachrichten der Carl-Maria von Weber-Gesamtausgabe</title> <title  
level="a">Quellcode von weber-gesamtausgabe.de auf GitHub verfügbar</title> <author  
key="A009001">Peter Stadler</author>  
</titleStmt> <publicationStmt>  
<date when="2013-02-06T12:02:00"/>  
</publicationStmt> <sourceDesc>  
<p>born digital</p>  
</sourceDesc>  
</fileDesc> <profileDesc>  
<textClass>  
<keywords scheme="WeGA_cat">  
<term>announcement</term>  
</keywords>  
</textClass>  
</profileDesc>  
</teiHeader> <text type="news">  
<body>  
<div xmlns:xml='http://www.w3.org/XML/1998 namespace' xml:lang="de">  
<p>  
Der Quellcode der Webapplikation weber-gesamtausgabe.de ist nun (endlich) unter <ref  
target="https://github.com/Edirom/WeGA-WebApp">https://github.com/Edirom/WeGA-  
WebApp</ref> frei verfügbar gemacht worden. <rs type="news" key="A050256">Vor ein paar  
Wochen wurden bereits die XML-Schemata veröffentlicht</rs>, so dass gewissermaßen das  
technische Fundament der Digitalen Weber-Edition jetzt auch offiziell frei zugänglich ist. Das  
Ganze ist zwar auf unsere Ausgabe maßgeschneidert, ich hoffe aber doch, dass es zumindest als Anhaltspunkt und  
Diskussionsgrundlage für ähnliche Editionsvorhaben dienen mag.  
</p> <p>Ein paar weiterführende Informationen finden sich auf den genannten Seiten, wobei die  
Dokumentation des Ganzen noch ein großes Desperat ist. Ich freue mich über alle Fragen und Kommentare und stehe auch bei einer geplanten  
Nachnutzung gerne mit Rat und Tat zur Seite!</p>  
</div>  
</body>  
</text>  
</TEI>
```

rendering

Quellcode von weber-gesamtausgabe.de auf GitHub verfügbar

Der Quellcode der Webapplikation weber-gesamtausgabe.de ist nun (endlich) unter <https://github.com/Edirom/WeGA-WebApp> frei verfügbar gemacht worden. Vor ein paar Wochen wurden bereits die XML-Schemata veröffentlicht, so dass gewissermaßen das technische Fundament der Digitalen Weber-Edition jetzt auch offiziell frei zugänglich ist. Das Ganze ist zwar auf unsere Ausgabe maßgeschneidert, ich hoffe aber doch, dass es zumindest als Anhaltspunkt und Diskussionsgrundlage für ähnliche Editionsvorhaben dienen mag.

Ein paar weiterführende Informationen finden sich auf den genannten Seiten, wobei die Dokumentation des Ganzen noch ein großes Desperat ist. Ich freue mich über alle Fragen und Kommentare und stehe auch bei einer geplanten Nachnutzung gerne mit Rat und Tat zur Seite!

Peter Stadler, Wednesday, February 6, 2013

- HTML on steroids
- Database format which can be transformed into HTML

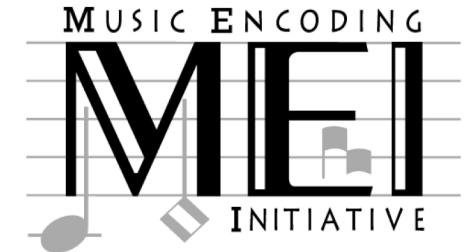
<http://www.weber-gesamtausgabe.de/en/A009001/News/A050153>

Formal Description/Documentation

<http://music-encoding.org/documentation>

Currently three components:

- mei-CMN (Common western Music Notation)
- mei-Mensural (precursor to CMN)
- mei-Neumes (precursor to mensural notation)



- Element Tag Library:

<http://music-encoding.org/documentation/guidelines2013/elements>

http://music-encoding.googlecode.com/files/MEI_Guidelines_2013_v2.1.0.pdf

DTD/Schema/RelaxNG/ODD

- Method to verify structure of XML and, to some degree, content

DTD: http://en.wikipedia.org/wiki/Document_Type_Definition
http://www.w3schools.com/dtd/dtd_intro.asp

- Original method for formal description of XML file structure (XML 1.0).

Schema: [http://en.wikipedia.org/wiki/XML_Schema_\(W3C\)`](http://en.wikipedia.org/wiki/XML_Schema_(W3C)}`)

- 2001: Schema is also in XML format, a successor of DTDs
- XSD (XML Schema Definition)
- More data typing than DTDs
- Namespaces, such as “xml:id”

RelaxNG: http://en.wikipedia.org/wiki/RELAX_NG

- REgular LAnguage for Xml Next Generation
- 2009

ODD: TEI's meta representation to automatically generate Schema or RelaxNG format description.

Documentation

- <http://music-encoding.org/support/guidelines>
- <http://music-encoding.org/documentation/2.1.1/elements>

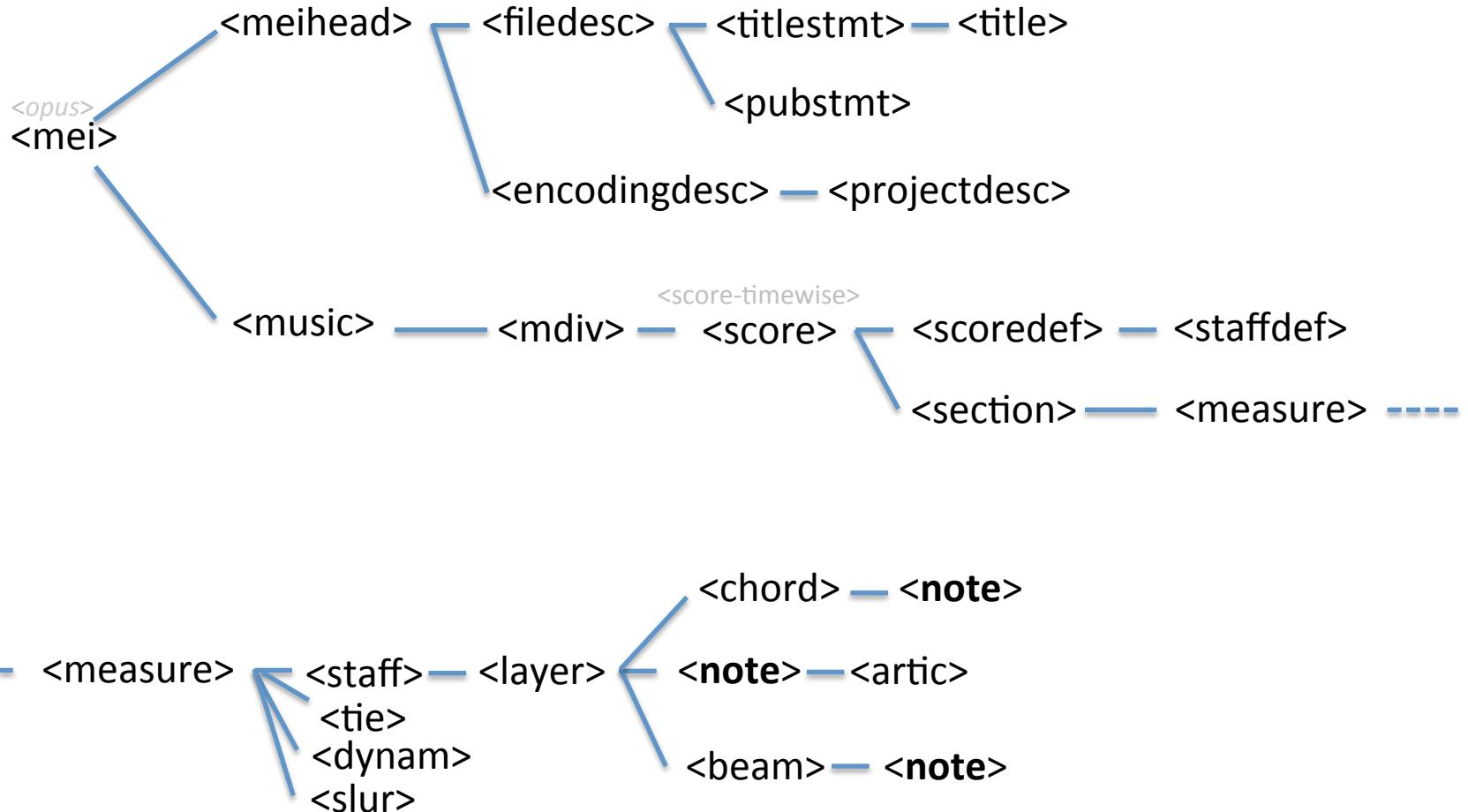
The screenshot shows a web browser displaying the MEI Guidelines documentation. The URL in the address bar is music-encoding.org/documentation/guidelines2013/note. The page content is for the **<note>** element. On the left, there's a sidebar with a navigation menu:

- MEI2013
- MEI Guidelines
- Elements** (highlighted in blue)
- Model Classes
- Attribute Classes
- Data Types
- Sample Encodings
- MEI Search

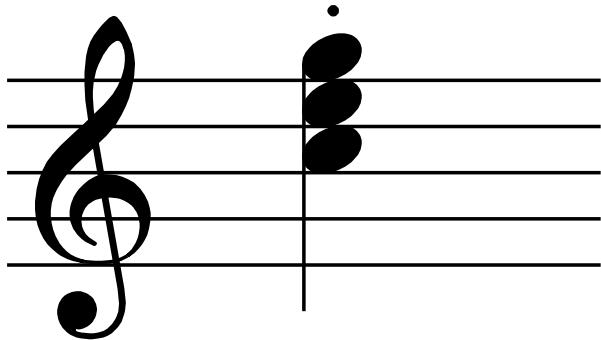
The main content area starts with the heading **<note>**. Below it, a description states: "A single pitched event." There are several sections with labels in bold boxes:

- Module**: MEI.shared —
- Attributes**: A very long list of attributes starting with: att.common (@label, @n, @xml:base) (att.id (@xml:id)) att.facsimile (@facs) att.note.log (att.event (att.timestamp.musical (@tstamp)) (att.timestamp.performed (@tstamp.ges, @tstamp.real)) (att.staffident (@staff)) (att.layerident (@layer))) (att.accidental (@accid)) (att.articulation (@artic)) (att.augmentdots (@dots)) (att.duration.musical (@dur)) (att.fermatapresent (@fermata)) (att.pitched (att.pitch (@pname)) (att.octave (@oct))) (att.syltext (@syl)) (att.slurpresent (@slur)) (att.tiepresent (@tie)) (att.tupletpresent (@tuplet)) (att.note.log.cmn (att.beamed (@beam))) (att.lvpresent (@lv)) (att.ornam (@ornam)) (att.note.log.mensural (@lig)) att.note.vis (@headshape) (att.altsym (@altsym)) (att.color (@color)) (att.coloration (@colored)) (att.enclosingchars (@enclose)) (att.relativesize (@size)) (att.staffloc (@loc)) (att.stemmed (@stem.dir, @stem.len, @stem.pos, @stem.x, @stem.y)) (att.stemmed.cmn (@stem.mod, @stem.with)) (att.visibility (@visible)) (att.visualoffset.ho (@ho)) (att.visualoffset.to (@to)) (att.xy (@x, @y)) (att.note.vis.cmn (att.beamsecondary (@breaksec))) att.note.ges (@oct.ges, @pname.ges, @pnum) (att.accidental.performed (@accid.ges)) (att.articulation.performed (@artic.ges)) (att.duration.performed (@dur.ges)) (att.instrumentident (@instr)) (att.note.ges.cmn (@gliss) (att.graced (@grace, @grace.time))) (att.note.ges.mensural (att.duration.ratio (@num, @numbase))) (att.note.ges.tablature (@tab.fret, @tab.string)) att.note.anl (att.common.anl (@copyof, @corresp, @next, @prev, @sameas, @synch)) (att.alignment (@when)) (att.harmonicfunction (@deg)) (att.intervallicdesc (@intm)) (att.intervalharmonic (@inth)) (att.melodicfunction (@mfunc)) (att.pitchclass (@pclass)) (att.solfa (@psolfa))
- Member of**: model.eventLike
- Contained by**:
 - MEI.cmn: <bTrem> <beam> <fTrem> <tuplet>
 - MEI.critapp: <lem> <rdg>
 - MEI.edittrans: <abbr> <add> <corr> <damage> <expand> <orig> <reg> <restore> <sic> <supplied> <unclear>
 - MEI.mensural: <ligature>
 - MEI.neumes: <ineume> <syllable> <uneume>

Basic MEI structure



Chords



MEI

```
<chord xml:id="d11e1" dur="4" dur.ges="1" stem.dir="down">
  <artic value="stacc"/>
  <note xml:id="d1e85" pname="g" oct="5"/>
  <note xml:id="d1e102" pname="e" oct="5"/>
  <note xml:id="d1e118" pname="c" oct="5"/>
</chord>
```

MuseData

G5	1	1	q	d
E5	1	1	q	d
C5	1	1	q	d

.

MusicXML

```
<note default-x="84">
  <pitch>
    <step>C</step>
    <octave>5</octave>
  </pitch>
  <duration>2</duration>
  <voice>1</voice>
  <type>quarter</type>
  <stem default-y="-50.5">down</stem>
  <notations>
    <articulations>
      <staccato default-x="3" default-y="15" placement="above"/>
    </articulations>
  </notations>
</note>
<note default-x="84">
  <chord/>
  <pitch>
    <step>E</step>
    <octave>5</octave>
  </pitch>
  <duration>2</duration>
  <voice>1</voice>
  <type>quarter</type>
  <stem>down</stem>
</note>
<note default-x="84">
  <chord/>
  <pitch>
    <step>G</step>
    <octave>5</octave>
  </pitch>
  <duration>2</duration>
  <voice>1</voice>
  <type>quarter</type>
  <stem>down</stem>
</note>
```

Beams

MusicXML



MEI

```
<note xml:id="n_sc_14_0" pname="b" oct="3" dur="4"/>
<beam>
    <note xml:id="n_sc_15_0" pname="c" oct="4" dur="8"/>
    <note xml:id="n_sc_16_0" pname="b" oct="3" dur="8"/>
</beam>
<note xml:id="n_sc_17_0" pname="a" oct="3" dur="4"/>
```

MuseData

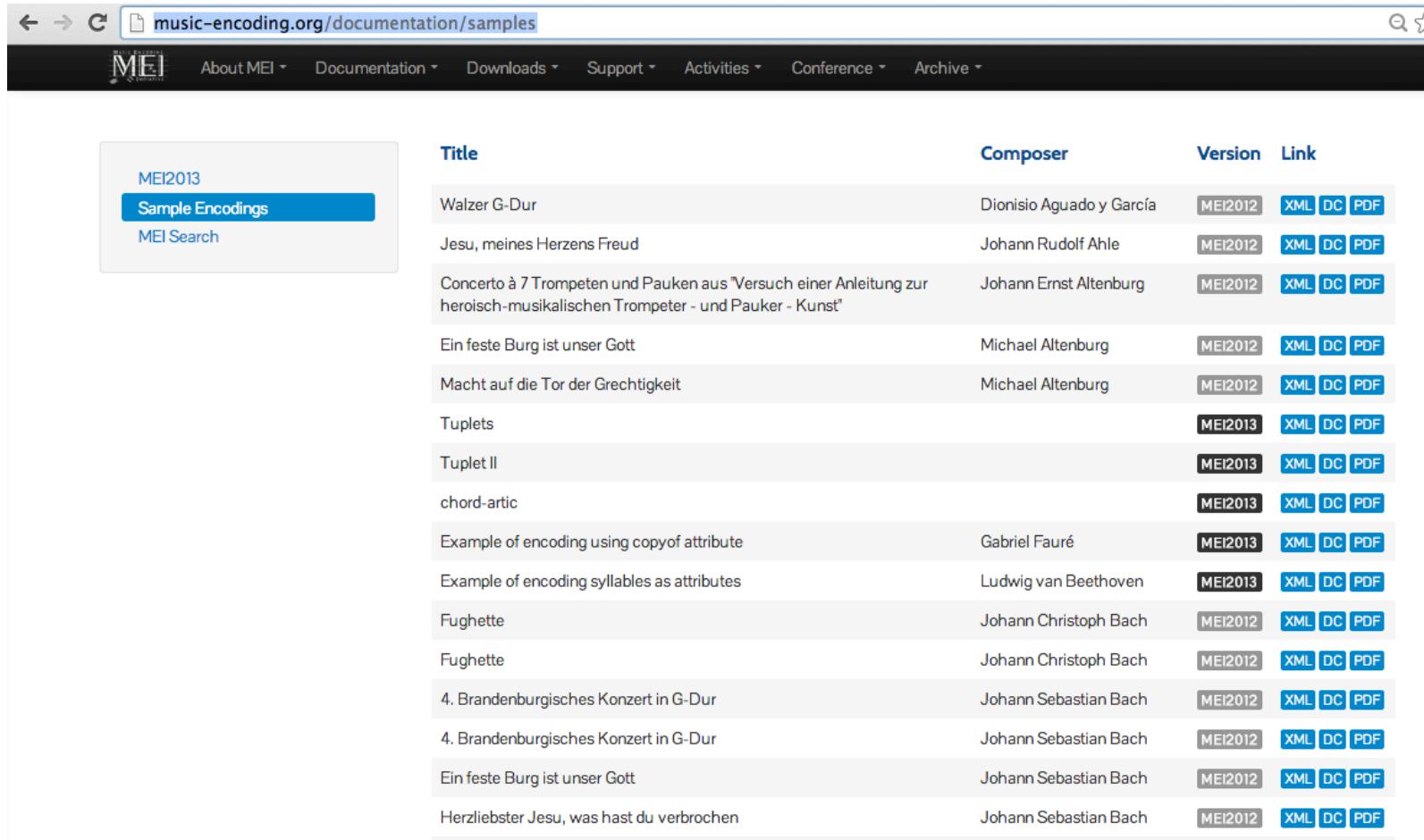
B3	2	1	q	
C4	1	1	e	[
B3	1	1	e]
A3	2	1	q	

```
<note>
    <pitch>
        <step>B</step>
        <octave>3</octave>
    </pitch>
    <duration>2</duration>
    <voice>1</voice>
    <type>quarter</type>
    <stem>down</stem>
</note>
<note>
    <pitch>
        <step>C</step>
        <octave>4</octave>
    </pitch>
    <duration>1</duration>
    <voice>1</voice>
    <type>eighth</type>
    <stem>down</stem>
    <beam number="1">begin</beam>
</note>
<note>
    <pitch>
        <step>B</step>
        <octave>3</octave>
    </pitch>
    <duration>1</duration>
    <voice>1</voice>
    <type>eighth</type>
    <stem>down</stem>
    <beam number="1">end</beam>
</note>
<note>
    <pitch>
        <step>A</step>
        <octave>3</octave>
    </pitch>
    <duration>2</duration>
    <voice>1</voice>
    <type>quarter</type>
    <stem>down</stem>
</note>
```

MEI data on the web

<http://music-encoding.org/downloads/encodings>

<https://github.com/music-encoding/sample-encodings>



The screenshot shows a web browser displaying the MEI documentation samples page at music-encoding.org/documentation/samples. The page features a navigation bar with links to About MEI, Documentation, Downloads, Support, Activities, Conference, and Archive. On the left, there's a sidebar with buttons for MEI2013, Sample Encodings (which is highlighted in blue), and MEI Search. The main content area is a table listing various sample encodings, each with a title, composer, version, and download links.

Title	Composer	Version	Link
Walzer G-Dur	Dionisio Aguado y García	MEI2012	XML DC PDF
Jesu, meines Herzens Freud	Johann Rudolf Ahle	MEI2012	XML DC PDF
Concerto à 7 Trompeten und Pauken aus "Versuch einer Anleitung zur heroisch-musikalischen Trompeter - und Pauker - Kunst"	Johann Ernst Altenburg	MEI2012	XML DC PDF
Ein feste Burg ist unser Gott	Michael Altenburg	MEI2012	XML DC PDF
Macht auf die Tor der Gerechtigkeit	Michael Altenburg	MEI2012	XML DC PDF
Tuplets		MEI2013	XML DC PDF
Tuplet II		MEI2013	XML DC PDF
chord-artic		MEI2013	XML DC PDF
Example of encoding using copyof attribute	Gabriel Fauré	MEI2013	XML DC PDF
Example of encoding syllables as attributes	Ludwig van Beethoven	MEI2013	XML DC PDF
Fughette	Johann Christoph Bach	MEI2012	XML DC PDF
Fughette	Johann Christoph Bach	MEI2012	XML DC PDF
4. Brandenburgisches Konzert in G-Dur	Johann Sebastian Bach	MEI2012	XML DC PDF
4. Brandenburgisches Konzert in G-Dur	Johann Sebastian Bach	MEI2012	XML DC PDF
Ein feste Burg ist unser Gott	Johann Sebastian Bach	MEI2012	XML DC PDF
Herzliebster Jesu, was hast du verbrochen	Johann Sebastian Bach	MEI2012	XML DC PDF

MEI data on the web

<http://jrp.ccarh.org>

- JRP: database of music from the early Renaissance (1420-1520)
- Data available in Humdrum (primary format), MIDI, MuseData, MusicXML and MEI.
- Primarily Josquin des Prez
- Currently 1,000,000+ notes/1,000 works

Missa Da pacem
1. Kyrie Bauldeweyn/Josquin?/Mouton
NJE 3.2

Superius

Altus

Tenor

Bassus

Vocal ranges with diatonic note counts (mouse-over to see counts)

The Josquin Research Project
Search, browse, and analyze complete scores
of polyphonic music, ca. 1420–ca. 1520

QUICK BROWSE

All Composers

All Genres

Enter Title

Browse

JRP NEWS
and updates

The JRP database has passed the
1-million-note mark.

Sample Work: [Josquin, Sancta Maria virgo virginum](#)

Sancta Maria virgo virginum Josquin des Prez?
NJE 25.7

Superius

Altus1

Altus2

Tenor

Bassus1

Bassus2

```
<measure n="1" xml:id="mx_sc_1">
<staff n="1">
<layer n="1">
<rest xml:id="n_sc_29_3" dur="breve" dots="1"/>
</layer>
</staff>
<staff n="2">
<layer n="1">
<note xml:id="n_sc_29_2" pname="g" oct="3" dur="breve"/>
</layer>
</staff>
<staff n="3">
<layer n="1">
<rest xml:id="n_sc_29_1" dur="breve" dots="1"/>
</layer>
</staff>
<staff n="4">
<layer n="1">
<rest xml:id="n_sc_29_0" dur="breve" dots="1"/>
</layer>
</staff>
</measure>
```

Data formats:

PDF score
 Score with ed. acc.
 MIDI file

Humdrum file (plain)
 MuseData file
 NoteArray file

MusicXML file
 MEI file



```
</measure>
```

MEI data on the web (2)

<http://kern.ccarh.org/browse?l=371chorales>



Four-part chorales collected after J.S. Bach's death by his son C.P.E. Bach (and finished by Kirnberger, J.S. Bach student, after C.P.E. Bach's death). Ordered by Breitkopf & Härtel numbers, and includes all chorales except #150 which is not 4-part. First complete edition by Breitkopf & Härtel from 1784-1787 in four volumes. [First incomplete edition consisting of 200 chorales in two volumes by Friedrich Wilhelm Birnstiel in 1765 & 1769 which was reprinted in 1975 by Georg Olms]. This digital edition is referenced against the fourth edition of the chorales by Breitkopf & Härtel, c. 1875:

371 vierstimmige Choralgesänge von Johann Sebastian Bach. 4th ed. by Alfred Dörrfel. Breitkopf & Härtel, Leipzig [c. 1875]. 178 pp. Plate Number: v. a. 10. Retypeset c. 1915 as Edition Breitkopf 10. Reprinted by Associated Music Publishers, Inc., New York [c. 1940].

Scans of the source edition can be viewed by clicking on the **S** button to the left of each chorale title. See [this chorale bibliography](#) at the Riemenschneider Bach Institute at Baldwin Wallace College for a good publication history of the Bach chorales. See also this article: [The History of the Breitkopf Collection of J.S. Bach's Four-Part Chorales](#) by Thomas Braatz. Click on the **Z** button below to download all Humdrum files in a single ZIP file.

S All chorales in grand-staff notation (177 pages) [7.8 MB]
S All chorales in vocal-score notation (254 pages) [8.8 MB]
H M K 1. Aus meines Herzens Grunde, BWV 269
H M K 2. Ich dank dir, lieber Herre, BWV 347
H M K 3. Ach Gott vom Himmel sich darein, BWV 153/1
H M K 4. Es ist das Heil uns kommen her, BWV 86/6
H M K 5. An Wasserflüssen Babylon, BWV 267
H M K 6. Christus, der ist mein Leben, BWV 281

<http://kern.ccarh.org/data?file=chor001.krn&l=371chorales&format=info>



1. Aus meines Herzens Grunde, BWV 269

Location [top>users>craig>classical>bach>371chorales](#)

Humdrum file chor001.krn [expanded repeats] [no repeats]

Composer Bach, Johann Sebastian

Composer's dates 21 Feb 1685 - 28 Jul 1750

Title: orig. lang.: Aus meines Herzens Grunde

German

Title: English From the Depths of My Heart

Data Format Translations PDF Score: chor001.pdf

Standard MIDI File: chor001.mid [without repeats]

Director Musices: chor001.mus

Melisma Format: chor001.notes

MusicXML: chor001.xml

STK/SKIN: chor001.ski

Guido: chor001.gmn [notation via [notesserver.org](#)]

ABC+: chor001.abc [notation via [abcm2ps](#)] [number every bar]

MuseData: chor001.md2 [notation via [muse2ps](#)]

SA Sonorities: chor001.dat

MEI: chor001.mei

<http://kern.ccarh.org/sdata?l=371chorales&file=chor001.krn&f=mei>

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<?oxygen SCHSchema="http://music-encoding.org/mei/schemata/2010-05/rng/mei-all.rng"?>
<?oxygen RNGSchema="http://music-encoding.org/mei/schemata/2010-05/rng/mei-all.rng"?>
<mei xmlns:xlink="http://www.w3.org/1999/xlink" xmlns="http://www.music-encoding.org/ns/mei" meiversion="2010-05">
  <meihead>
    <filedesc>
      <titlestmt>
        <title type="main" xml:lang="ger">Aus meines Herzens Grunde</title>
        <title type="translated" xml:lang="eng">From the Depths of My Heart</title>
      </titlestmt>
      <pubstmt/>
    </filedesc>
    <profiledesc>
      <langusage>
        <language xml:id="eng" authority="iso639-2"/><!-- English -->
        <language xml:id="ger" authority="iso639-2"/><!-- German -->
      </langusage>
    </profiledesc>
  </meihead>
  <music>
    <body>
      <mdiv>
        <score>
          <scoredef key.sig="1s" key.pname="g" key.accid="n" key.mode="major" meter.count="3" meter.unit="4">
            <staffgrp>
              <staffdef n="1" clef.shape="G" clef.line="2"/>
              <staffdef n="2" clef.shape="G" clef.line="2"/>
              <staffdef n="3" clef.shape="G" clef.line="2" clef.trans="8vb"/>
              <staffdef n="4" clef.shape="F" clef.line="4"/>
            </staffgrp>
            <!-- <secrexpan repeat="true" label="default" ids="A A B"/> -->
            <!-- <secrexpan repeat="false" label="norep" ids="A B"/> -->
          </scoredef>
          <section xml:id="A">
            <measure xml:id="mx_sc_13">
              <staff n="1">
                <layer n="1">
                  <note xml:id="n_sc_19_3" pname="g" oct="4" dur="4"/>
                </layer>
              </staff>
              <staff n="2">
                <layer n="1">
                  <note xml:id="n_sc_19_2" pname="d" oct="4" dur="4"/>
                </layer>
              </staff>
              <staff n="3">
                <layer n="1">
                  <note xml:id="n_sc_19_1" pname="b" oct="3" dur="4"/>
                </layer>
              </staff>
            </measure>
          </section>
        </score>
      </mdiv>
    </body>
  </music>

```

The Music Encoding Conference 2015

18-21 May, 2015

Florence, Italy

Music encoding is now a prominent feature of various areas in musicology and music librarianship. The encoding of symbolic music data provides a foundation for a wide range of scholarship, and over the last several years, has garnered a great deal of attention in the digital humanities. This conference intends to provide an overview of the current state of data modeling, generation, and use, and aims to introduce new perspectives on topics in the fields of traditional and computational musicology, music librarianship, and scholarly editing, as well as in the broader area of digital humanities.

This conference aims to gather specialists in all the above areas, to discuss the current state of modeling, generation and use of music encoding, to exchange experiences, report on successful projects on major collections and composers, and to forge collaborations for future projects.

The program opens on Monday, May 18th with a pre-conference day devoted to workshops/tutorials on MEI and its application to scholarly publication, followed by two days of papers and poster presentations covering various theoretical and practical issues in research and publishing. The program is completed by an "Unconference Day" on Thursday, May 21: an opportunity for everyone interested in using and improving MEI — developers, librarians, musicologists, editors, publishers — to investigate the topics they're most interested in.

Verovio

<http://www.verovio.org>

Leipzig

A musical score for two voices and basso continuo. The top two staves are in treble clef, and the bottom staff is in bass clef. The key signature is one flat. The music consists of six measures, each starting with a sixteenth-note upbeat followed by a eighth-note. Measures 1-3 have a dotted half note, while measures 4-6 have a quarter note. Measures 2 and 4 feature slurs and grace notes.

Bravura

A musical score for two voices and basso continuo. The top two staves are in treble clef, and the bottom staff is in bass clef. The key signature is one flat. The music consists of six measures, each starting with a sixteenth-note upbeat followed by a eighth-note. Measures 1-3 have a dotted half note, while measures 4-6 have a quarter note. Measures 2 and 4 feature slurs and grace notes.

Gootville

A musical score for two voices and basso continuo. The top two staves are in treble clef, and the bottom staff is in bass clef. The key signature is one flat. The music consists of six measures, each starting with a sixteenth-note upbeat followed by a eighth-note. Measures 1-3 have a dotted half note, while measures 4-6 have a quarter note. Measures 2 and 4 feature slurs and grace notes.

SCORE

A musical score for two voices and basso continuo. The top two staves are in treble clef, and the bottom staff is in bass clef. The key signature is one flat. The music consists of six measures, each starting with a sixteenth-note upbeat followed by a eighth-note. Measures 1-3 have a dotted half note, while measures 4-6 have a quarter note. Measures 2 and 4 feature slurs and grace notes.

Wolfgang

Wolfgang est développé dans le cadre de l'Université de Genève par Etienne Darbellay, musicologue et informaticien.



Largo

Violino Primo

Violino Secondo

Basso

Wolfgang supporte désormais l'importation de fichiers au format GUIDO. Cette fonction permet l'échange avec d'autres applications (logiciels de reconnaissance de musique ou autres logiciels d'édition).

Verovio (2)

MEI

```
<tuplet xml:id="t1" num="3" numbase="2">
  <beam xml:id="b1">
    <note xml:id="n1" pname="d" oct="5" dur="8" />
    <note xml:id="n2" pname="e" oct="5" dur="16" dots="1"/>
    <note xml:id="n3" pname="d" oct="5" dur="32" />
    <note xml:id="n4" pname="c" oct="5" dur="8" accid="s"/>
  </beam>
</tuplet>
<beam xml:id="b2">
  <tuplet xml:id="t2" num="3" numbase="2">
    <note xml:id="n5" pname="d" oct="5" dur="8" />
    <note xml:id="n6" pname="e" oct="5" dur="16" dots="1"/>
    <note xml:id="n7" pname="f" oct="5" dur="32" accid="s"/>
    <note xml:id="n8" pname="e" oct="5" dur="8"/>
  </tuplet>
</beam>
```



SVG

```
<g class="tuplet" id="svg-t1" >
  <g class="beam" id="svg-b1" >
    <g class="note" id="svg-n1" >...</g>
    <g class="note" id="svg-n2" >...</g>
    <g class="note" id="svg-n3" >...</g>
    <g class="note" id="svg-n4" >...</g>
  </g>
</g>
<g class="beam" id="svg-b2" >
  <g class="tuplet" id="svg-t2" >
    <g class="note" id="svg-n5" >...</g>
    <g class="note" id="svg-n6" >...</g>
    <g class="note" id="svg-n7" >...</g>
    <g class="note" id="svg-n8" >...</g>
  </g>
</g>
```



Verovio (3)

RISM / Plaine & Easie code



```
@clef:C-4  
@keysig:xFc  
@timesig:c/  
@data:{8.A6A}'4.Dt8D4.Ct8D/{8.E6C},8(A)'E4DtE/{8.Ft3GE}8(D)-2-/
```

The Lost Voices Project

Anonyme

Sibelius

Mai - stre Lu - bin de sang ras -
Mai - stre Lu - bin de sang ras -
Mai - stre Lu - bin de sang ras - sis, Dicr un jour
Mai - stre Lu - bin de sang ras - sis, Dicr un jour

```

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    <layer xml:id="m-0bcd0d4-49ef-477d-90ac-c4bafe4fa0592" n="1">
      <event xml:id="m-a5eb13d9-10f7-42e9-b441-adbc5d1f0f3f">
    </layer>
  </staff>
  <staff xml:id="m-179452a1-1514-4dd3-afee-614a461bcbbe" n="2">
    <layer xml:id="m-0bcd19f0-717b-42e6-95b8-39aa655e0f51" n="1">
      <event xml:id="m-0f36c996-7ca5-43eb-9b82-899305d52e7r"/>
    </layer>
  </staff>
  <staff xml:id="m-a5eb13b1-06c6-41e3-8eee-467f02f11765" n="3">
    <layer xml:id="m-3fa02c47-e5f4-4710-abab-b5b728e8015e" n="1">
      <note xml:id="plcad3n1vb2a3" dur="2" dur.ges="512p" oct="3" pname="a">
        <verse xml:id="m-697c6e66-4396-4ebd-9928-e17e5ca11fd" n="1">
          <gyl xml:id="m-6d82d3d7a-479c-4cf5-9bab-a748d08043b" con="d" wordpos="1">Mai</syl>
        </verse>
      </note>
      <note xml:id="plcad3n1vb2a3" dur="4" dur.ges="256p" oct="3" pname="a">
        <verse xml:id="m-697c6e66-4396-4ebd-9928-e17e5ca11fd" n="1">
          <gyl xml:id="m-6d82d3d7a-479c-4cf5-9bab-a748d08043b" con="d" wordpos="1">stre</syl>
        </verse>
      </note>
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        <verse xml:id="m-697c6e66-4396-4ebd-9928-e17e5ca11fd" n="1">
          <gyl xml:id="m-a5c7c2d-891c-49b9-a104-76162cd676d" con="d" wordpos="1">Lu</syl>
        </verse>
      </note>
      <note xml:id="plcad4n1024v1b2a3" dur="2" dur.ges="512p" oct="3" pname="d">
        <verse xml:id="m-d2d5b692-94b2-4d48-bb18-46441527a61b" wordpos="t">bin</syl>
      </verse>
    </note>
    <note xml:id="plcad3n1024v1b2a4" dur="2" dur.ges="512p" oct="3" pname="d">
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      </verse>
    </note>
  </staff>
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    <layer xml:id="m-27930938-d5f2-49ef-b74f-4442f5275c36" n="1">
      <note xml:id="plcad3n1024v1b2a4" dur="1" dur.ges="1024p"/>
    <note xml:id="plcad3n1024v1b2a4" dur="2" dur.ges="512p" oct="3" pname="d">
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      </verse>
    </note>
    <note xml:id="plcad3n1024v1b2a4" dur="4" dur.ges="256p" oct="3" pname="d">
      <verse xml:id="m-080b3cad-af18-4f2b-ad1c-05af11bd434d" n="1">
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      </verse>
    </note>
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        <gyl xml:id="m-d6f2b005b-263e-484e-9a9b-41beab596c9b" con="d" wordpos="1">Lu</syl>
      </verse>
    </note>
  </staff>
</measure>

```



Music

Mai - stre Lu - bin de sang ras - sis, Dicr un jour à chambri -
Mai - stre Lu - bin de sang ras - sis, Dicr un jour à sa cham bri -
Mai - stre Lu - bin de sang ras - sis, Dicr un jour à sa cham -

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cdceee Strict pitch sequence

Result 1 of 40 for edcdeee



```
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  <pb xml:id="m-0ced2aa-97fb-44bc-ace2-6805117bcfb" pageref="m-9efc6892-00dc-40a8-b846-d5103b5d6c5b"/>
  <staff xml:id="m-a0fc2342-b7dc-4ea9-b69a-394a5f61la3" n="1">
    <layer xml:id="m-14bcefea-4151-42b3-966b-7e8df7ea0bd2" n="1">
      <sb xml:id="m-a49e570c-9980-4166-8fd9-ed280c5b466b" systemref="m-b427c9dc-982e-4949-a64a-30313d39ca0f" n="1"/>
      <clef xml:id="m-a49e570c-9980-4166-8fd9-ed280c5b466b" facs="m-d87e4c78-f37a-41a9-99ad-71aa4b34f9b1" line="4" shape="C"/>
      <neume xml:id="m-02008ebb-ea11-4351-8f4e-03cf3fb08e9a" facs="m-a77b23bc-32be-4b43-9063-5157e4dc5de3" name="clivis">
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