

## Import/Export

- Sibelius 7 Exports to MusicXML. This seems readable by CMME. But see notes on the problems of repeats and verses.
- Sib 7 also IMPORTS from MusicXML. No real problems, at least if we measure it by files themselves made in Sibelius.
- Finale exchange via MusicXML? Will need to check what happens with repeats, ficta, etc.
- See Sib manual p. 38 for information on IMPORT of MusicXML and its limitations. Note difference between partwise DTD and timewise DTD. Note reference to XSLT for using some of these--free on web.
- See Sib manual p. 82 for information EXPORT of MusicXML. Only the COMPRESSED option allows the inclusion of graphics that are part of files.
- Screen shots: see RF 10/20/2011 PDF and Keynote.

## Meta-Data

- **What meta-data do we need to track?**
  - Composer
  - Source
  - Editor
  - Arranger, in the case of the reconstructions
  - Owner (of copyright)
  - Editorial standards (could be a link)
  - Encoding standards (could be a link)
  - Source image (could be a link)
  - PDF of engraved copy (also a link)
  - Brief commentary on the place of this file in the larger project.
  - information about text, or place in Chanson database?
- **What of metadata in Sib 7?** What fields are available, and how could we make use of them? Are they all saved as part of XML output? Not all. **Only those in BF come through in MusicXML.**
  - But note that the **copyright field** is large enough to contain links or other explanatory material. Could we use this to POINT to a MEI header with ALL of the needed information?
    - **Title**
    - Subtitle

- **Composer**
- **Arranger**
- Artist
- Part name (this seems to be displayed in the engraving). **NB**  
**Could be used for Name of the source?**
- Dedication
- **Lyricist**
- Copyist
- Publisher
- Instrument changes (?) **YES, see below**
- **Copyright (a large field)**
- Opus Number
- Composer's Dates
- year of Composition
- Other information
  - Instrument change looks like this in MusicXML output:
    - `<score-instrument id="P1-I1">`
    - `<instrument-name>Piano (2)`
    - `</instrument-name>`
    - `</score-instrument>`
    - Thus it gets an ID near the top of the encoding, then a reference at the point where it appears.
- See josquin wiki made by Sapp. Could this help with retention of important meta-data? <http://wiki.ccarh.org/wiki/Josquin>
- How can this be managed for use with MEI? Could an **MEI header**, for instance, serve as the catalog of all the files and images associated with
  - Work and its versions (that is, variants and alternative recons)
  - Work in relation to larger corpus or collection (that is, info for source)
  - Sibelius files (different versions)
  - CMME files (if we use this for variants)
  - Facsimiles

### **VERSIONS and VARIANTS in Sibelius**

- **Ossia?** These are tricky, since Sibelius can do them, but only by adding invisible extra staves throughout a system. They do not seem to appear in MusicXML.

- **Ideas?** These can stay with the work, and can be linked to individual measures. Ideas moreover can be edited (text and music alike).
  - Thus IDEAS could be used to track musical variants (like Ted's), but we cannot switch them on and off in a particular view.
  - Ideas can also be exported. But they are NOT part of MusicXML files.
- **Versions.** Sibelius has the ability to 'bundle' several versions of the same work. They are saved together. NB:
  - Get to these via the REVIEW panel.
  - Only the CURRENT version can be edited. The others remain as READ ONLY documents. Thus to edit each one you must first make them the CURRENT version at least for now. Then you can add comments and give them distinctive names.
  - You can automatically COMPARE any pair of versions. SIB will put them side by side in display and show differences. NOT possible to compare more than one at a time.
  - You can LOG the comparisons, which are then produced as a RTF document and images if you want.
  - You can also EXPORT the individual versions as individual Sibelius files. I guess this means you can also transform these as MusicXML, which then could also be compared in some automated way to produce critical reports.
  - We could also 'Capture' individual variants as images, based on the automated comparisons.
  - Does the system compare text underlay as well as notes?
  - Review 'versions' with + button at top right of score.
  - NB: even if a version has been saved and so is READ ONLY, you can still copy FROM it. This way we could 'score up' variants over each other. THESE files in turn could be exported as MusicXML. With the right sort of performance directions tempo markings or instruments fields used as placeholders, we could have source information here, too.
  - BUT: the process of changing to and from 'current' version can be very confusing, since any old name (like "LeRoyBallard1560" is immediately lost in the current view, yet remains in a saved version)
- **VERSIONS** thus could be used for *variants*, and also the *alternative reconstructions*. That is: each version with a Different Ct and B part. Then we compare. Or cut and paste to make a work with 6 or more voices. or combine voices on a single staff.

**Links to MEI?**

- Johannes Keppler: There is an XSLT routine for MusicXML to MEI. Ichiro has not seen it.