Abstract for the 2019 Music Encoding Conference

Poster presentation of the research project *Digital Work Catalog Anton Bruckner*

Regarding digital forms of cataloging, archiving and publishing musical notation in musicology, the *Digital Turn* offers completely new possibilities: The research project *Digital Work Catalog Anton Bruckner* (dWAB, 2017-2019) uses the XML-based coding process of the Music Encoding Initiative (MEI) for storing work and source metadata. The aim of the project is to create a digital multimedia catalog of works by Anton Bruckner in a cross-platform data exchange format suitable for long-term archiving.

The poster presentation of the research project *Digital Work Catalog Anton Bruckner* offers insights into the daily work with the application Metadata Editor and Repository for MEI Data (MerMEId) and shows some of the recent challenges faced while characterizing individual sources in the MerMEId scheme, which is based on FRBR and MARC standards.

Work directories of composers are among the basic standard works in musicology, and are usually consulted at the beginning of any research. They provide an overview of the entire work of a composer, reveal the genres that were most important for a particular composer and provide insights into the genesis of the works itself. This is also most relevant for any kind of performer, especially conductors. The *Digital Work Catalog Anton Bruckner* (dWAB) therefore takes into account the current state of research on the one hand, and allows further additions and modifications on the other hand due to the XML data management. This format also enables the longevity of the data, which is essential for such a project, thus guaranteeing a high level of up-to-dateness. A publication of the catalog is possible both online and in print.

Like its printed predecessor, the *Digital Work Catalog Anton Bruckner* includes a note incipit of the opening theme for each individual work. It contains information on instrumentation, production and premiere data (occasional reworking, versions, etc.), first printing, dedications, beginning of the text and its author. Due to the digital nature of the MEI-based publication, it is possible to deposit a polyphonic note incipit as well as complete digital copies of the sources. This provides the researcher with comprehensive information on Bruckner's works within a single platform. The specific data and information for more than 250 works with about 700 available digital copies are processed via a user interface based on the MEI scheme. This application – MerMEId – was originally developed to create the thematic catalog of works by Carl Nielsen (CNW) of the Danish Center for Music Edition (DCM) under the direction of Axel Teich Geertinger. The entry and administration tool, previously available only in English, will receive a German language pack in cooperation with the DCM as project partner.

The poster presentation is intended to present the project, which is currently in its final phase, in terms of data structure and integration into bruckner-online.at. The following will be shown: 1. the technical requirements that existed at the beginning of the project. The partly existing and partly reworked information on the works and sources is now stored in an XML-eXist database. When transferring to this database, a large amount of information could be automatically transferred from a MySQL database. In a further step, these datasets are now checked, corrected if necessary and supplemented. Due to a large number of free-text fields and listings, such as information about instrumentation, manual additions are also necessary. How these can be managed consistently while considering the MEI Meta data set will also be a topic of the poster. 2. the daily working environment in the Mermeid-Editor as

well as the backup and versioning possibilities, which was developed by our data scientist will be shown.

3. the future presentation and integration of the catalog of works into the bruckner-online.at platform as well as the connection to the other Bruckner projects. This includes the source database connected to the catalog of works, whose information is generated dynamically exclusively from the catalog of works. Furthermore, the generated metadata will also be made available to the project *Digital musical analysis with MEI on the 'Kitzler Studienbuch' by Anton Bruckner* and partially implemented in the head-element of the MEI files created there. The Anton Bruckner Lexicon online (ABLO), which is also located on the bruckner-online.at platform, will continue to use the metadata of the catalog of works. After completion of the project encyclopedia articles, marked up in TEI, will link to the source database as well as to the reference numbers of the work catalog. The poster presentation is intended to demonstrate the versatility of the metadata in the catalog of works. For this reason, a digital poster should be used instead of a classic printed poster to show the structures and functionalities of bruckner-online.at and the hosted projects.

Staff members of the research project *Digital Work Catalog Anton Bruckner* will present the digital poster, therefore a LCD-screen will be required.