A Music Edition for the Readership of the 21st Century
The *Digital Interactive Mozart Edition* (DIME)

Stiftung Mozarteum Salzburg in Cooperation with The Packard Humanities Institute, Los Altos, CA.

https://dme.mozarteum.at/en/music/edition/

STIFTUNG MOZARTEUM SALZBURG

The *Digital Interactive Mozart Edition* (DIME) is the continuation and expansion of the *Neue Mozart-Ausgabe* (NMA) in the modern digital age. As a joint project of the Internationale Stiftung Mozarteum in Salzburg and the Packard Humanities Institute in Los Altos (CA), **DIME** is part of the **Digital Mozart Edition** (DME) which aims to make Wolfgang Amadé Mozart's (1756–1791) entire oeuvre available to everyone in digital scholarly editions. All **DIME** scores are coded according to the standards of the Music Encoding Initiative (MEI).

DIME is conceived to address a wider readership and to break with the idea of having to be either unilaterally a scholarly or a practical edition. **DIME** provides a series of tools and options for users with varying interests, from the music lover and concert goer to the music professional or the web developer.

DIME relies on two strands of editions:

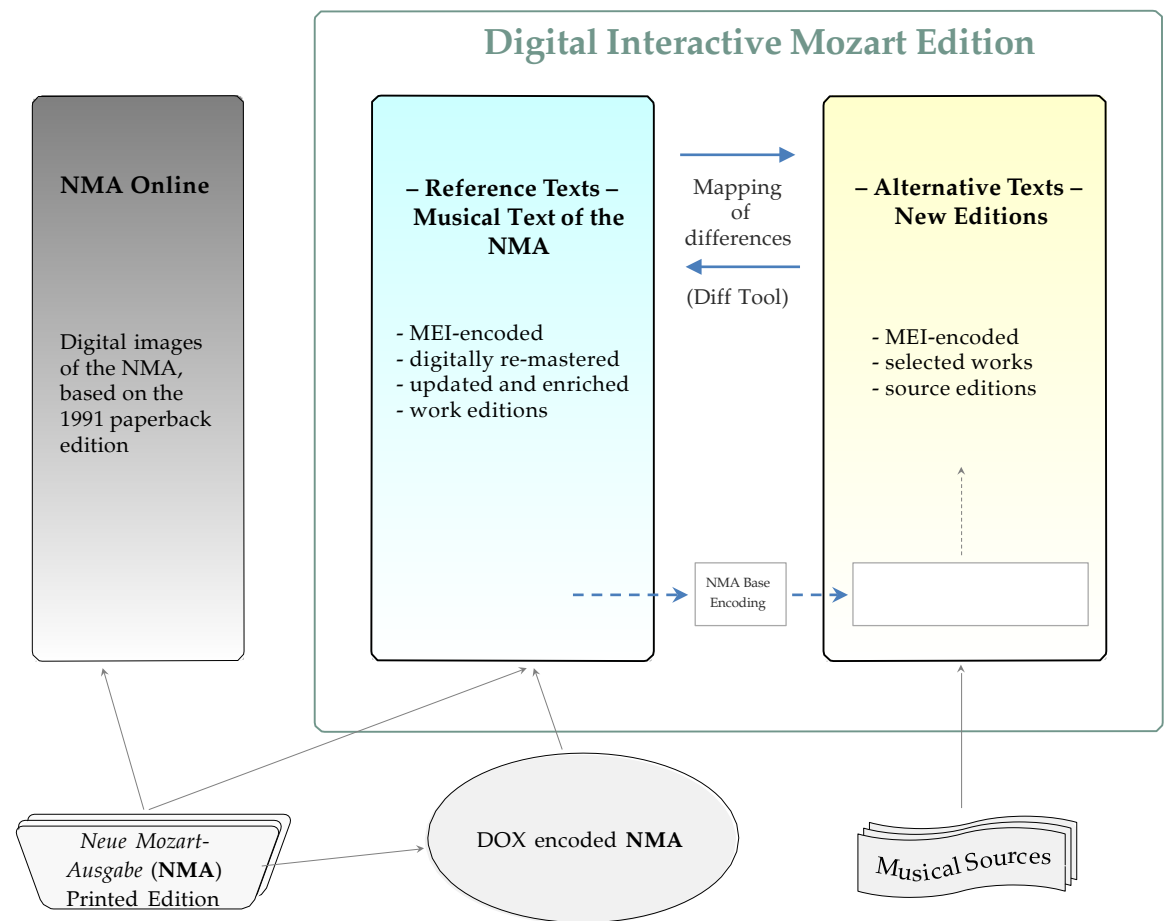The **Reference Texts**, a fully digital representation of the composer's complete works:

- based on the complete encoding of the NMA (DOX format) provided by the Packard Humanities Institute (PHI),
- with the same content as in the NMA (and its offshoot the NMA Online, https://dme.mozarteum.at/nmaonline/**)**, some 22,000 pages of music, originally published in 127 volumes,
- corrected, updated, and enriched during post-processing.

The **Alternative Texts**, new editions of selected works, chosen according to specific criteria:

- source editions that are based on a single musical source,
- state of the art methodology in textual criticism and digital editing.

DIME uses a custom designed web interface: **MoVi – The Digital Mozart Score Viewer**:
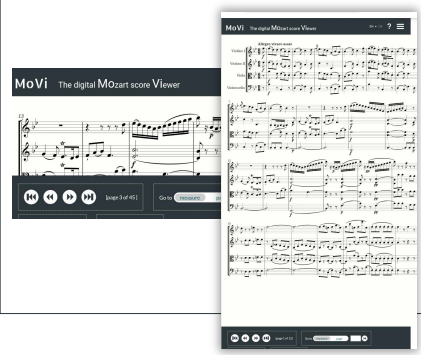
- built around the *Verovio* music engraving library developed by the office of RISM Switzerland,
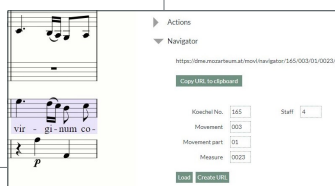- with a variety of features and advanced functionalities for customized display.

Digital Interactive Mozart Edition

NMA Online — Digital images of the NMA, based on the 1991 paperback edition

– Reference Texts – Musical Text of the NMA
- MEI-encoded
- digitally re-mastered
- updated and enriched
- work editions

Mapping of differences (Diff Tool)

– Alternative Texts – New Editions
- MEI-encoded
- selected works
- source editions

NMA Base Encoding

Neue Mozart-Ausgabe (NMA) Printed Edition — DOX encoded **NMA** — Musical Sources

---

Operating the Edition

Dynamic Display
- Zoom
- Original system and page breaks on demand
- Auto-adjust to screen format

Selection
- Full score or selected staves

- Interactive display of editorial additions and interventions
- Insertion of *ossia* readings

Printing & Download
- XML file download or API
- Metadata download (Dublin Core)
- Print to PDF: portrait or landscape

Inspection
- Synoptic display of MEI code and rendering panes
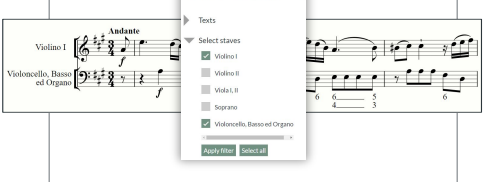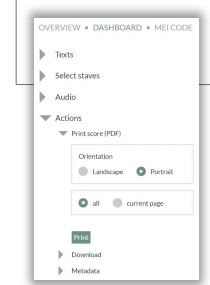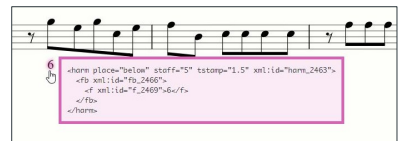- Code inspection tool for individual objects

Interactive Navigation Options
- Movement selector
- Page / Measure selector
- Page turner
- 'Navigator' tool in the Dashboard

MoVi The digital Mozart score Viewer

„Exsultate, jubilate". Motet in F for soprano and orchestra

K. 165 *NMA digital*

3rd mvt.

Andante

View score in the NMA Online

Select a different unit of this work:
1: Exsultate, jubilate
2: Fulget amica dies
3: Tu virginum corona
4: Alleluja

Search work (by K.nr.): 165 ▼

OVERVIEW • DASHBOARD
- Texts
- Select staves
- Audio
- Actions
- Navigator
- Editorial interventions
- Ossias
- Collate DME editions
- NMA Editions
- Configure MEI Inspector

Audio Rendition
- MIDI or selected recordings
- Score position highlighted during playback
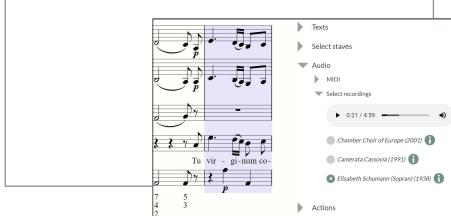
DIME in Practice: Applications and Use Cases

Music Appreciation and Education
Target Group: music lovers, concert goers, students, and teachers

- Listen to the music and follow the score.
- Connect to other sources of information on Mozart's work such as the Köchel Catalogue (forthcoming).

User Story 1
You are a singer in a choir and you want to get to know the piece your choir is going to perform. Listen to the recording while following the score. Select your part and play it in MIDI piano sound. Sing along and practice your part, repeat it as often as necessary. Then combine it with other voices.

Practical Music Making
Target Group: amateur and professional musicians, composers and arrangers

- Select and print.
- Repeat and rehearse.
- Download and re-use.

User Story 2
Be creative! You want to adapt Mozart's music for a specific group of instruments or performers? Download the file and start arranging or transcribing it, e.g. into **Braille music**.

Scholarly Purposes
Target Group: editors, scholars, teachers

- Display editorial markup for textual criticism.
- Compare editions and versions.
- Activate synoptic view of editions and sources.
- Use the 'Navigator' for citations and collaborative work.

User Story 3
You are a scholar and you are writing a paper on Mozart. If you want to quote a particular measure and staff you may use the 'Navigator'. This tool creates a link you can cite in your text. Or you want to send the link by email to your colleagues in order to have their opinion. The link will open **MoVi** in their browser and it will display exactly the measure and staff you want to discuss.

Data Lovers
Target Group: software developers, musicologists, librarians

- Use material for analytical data processing and MIR.
- Take **DIME** as a starting point for the development of additional tools and programs.
- Take advantage of **DIME**'s linkage to the Semantic Web thanks to its use of norm data and controlled vocabulary.

User Story 4
You want to set up a database with pieces in a specific genre or with a particular scoring? You could write your own or utilize an already existing program that queries the metadata of the **DIME** files because the file header records all necessary information in a machine readable format.

Why digital?

Preservation
- DIME provides the '**source code to Mozart's music**'.
  - An open, durable, and storable format for future generations
    - Paper independent
      - Machine readable

Documentation
- All in one place: The data file holds all information:
  on the edition,
  on the sources,
  on the editorial process,
  on versions, updates, and changes.
- Comprehensive metadata package included

Interoperability & Addressability
- Allows connecting to and processing by other programs.
  - It is quotable and citable.
    - It provides a platform for collaborative work.

Accessibility
- Free (within its license **CC BY SA NC 4.0**) for private, educational, and scholarly purposes and non-commercial use
  - Accessible anywhere (internet access required)

The many things you can do …