

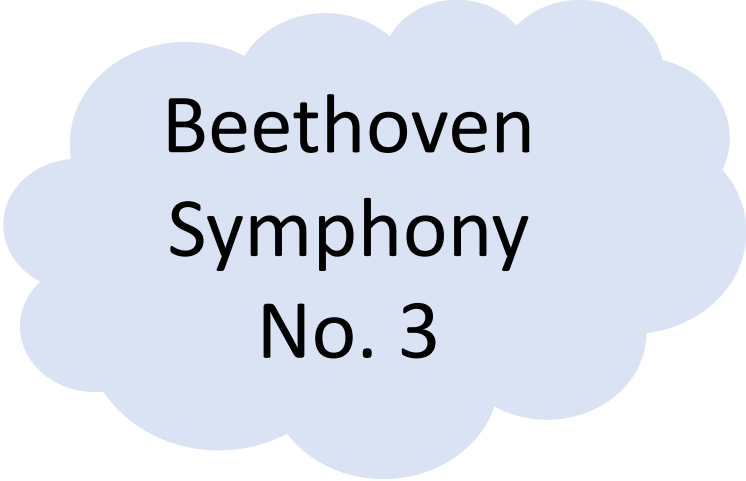
SIMSSA DB: Symbolic Music Discovery and Search

Emily Hopkins

With Gustavo Polins Pedro, Yaolong Ju, Cory McKay, Julie Cumming, and Ichiro Fujinaga

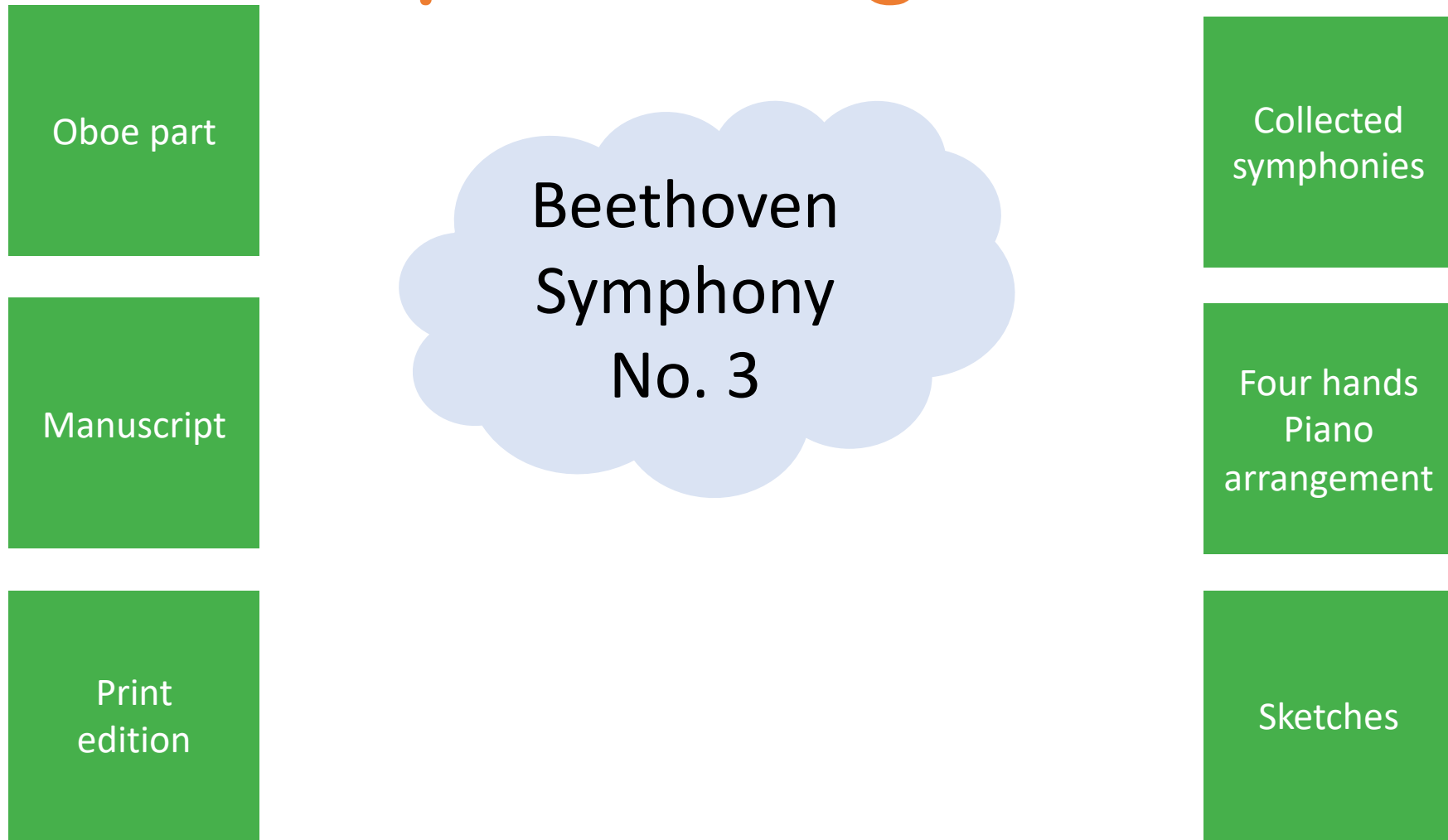
Workshop on SIMSSA XIX, 21 Sept. 2019, CIRMMT, McGill University, Montréal

Representing music

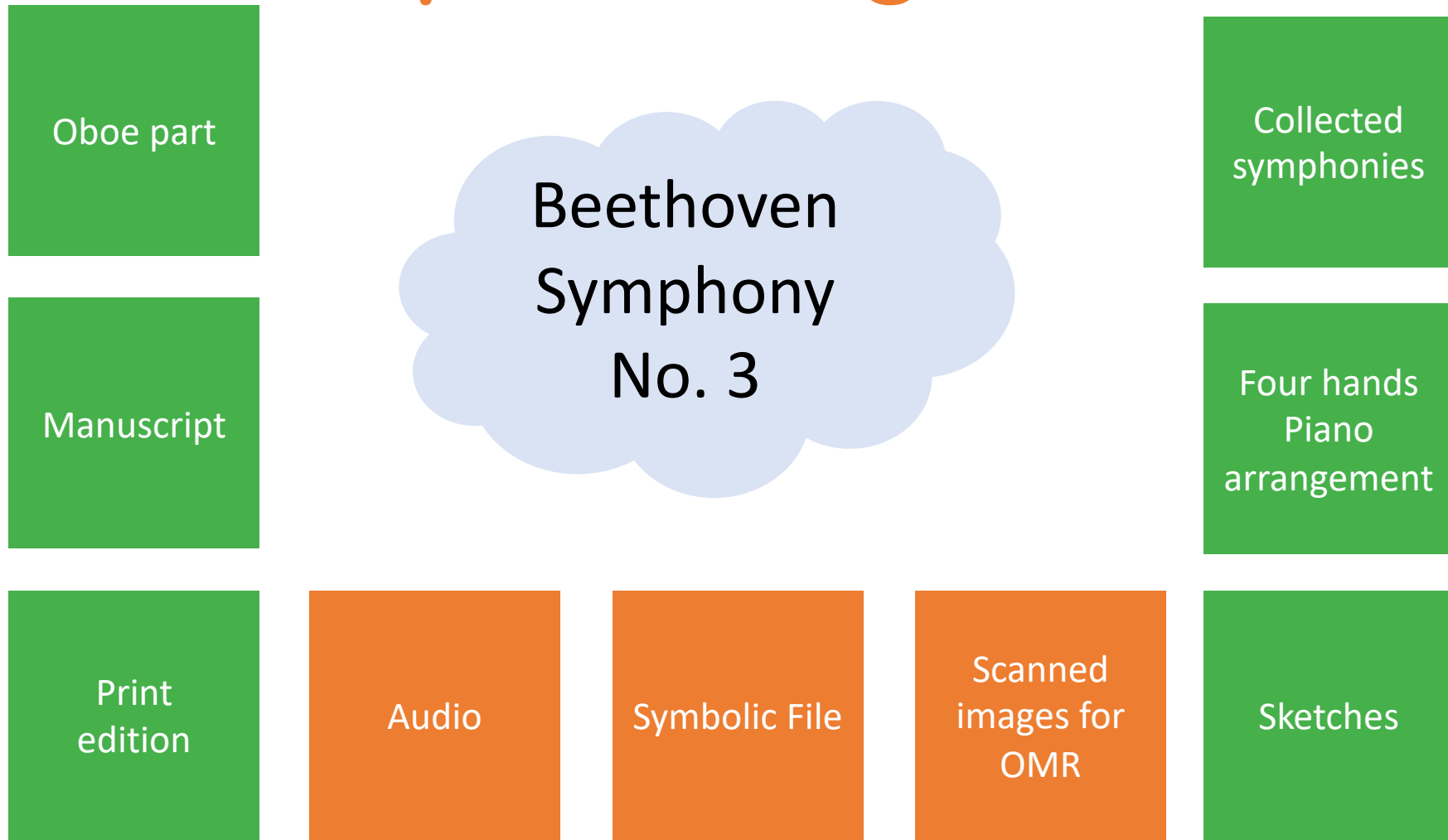


Beethoven
Symphony
No. 3

Representing music



Representing music



Search

Genre (Type of Work)

- Frottola(1)
- Madrigal(8)

Genre (Style)

- Renaissance(9)

Composer

- Festa, Sebastiano(4)
- Pisano, Bernardo(4)
- Tromboncino, Bartolomeo(1)

Instrument/Voice

- Voice(9)

Sacred or Secular

- Sacred(9)

File Format

- midi(8)
- sibelius(8)
- xml(8)

9 results for "amor"

11 files match the feature search parameters. Only **highlighted** files match all search parameters.

Amore amor quando io speravo

 Composer(s): **Pisano, Bernardo 1490–1548** +

Section(s):

- o **Amore amor quando io speravo**

 Genres (Type of Work): **Madrigal**

 Genres (Style): **Renaissance**

 Collection(s) of Sources: **Florence, Italy, Biblioteca Nazionale Centrale, MS Magliabechi XIX.164-167**

File(s) Holding Complete Musical Work:

- o **sibelius**
- o **midi**
- o **xml**

File(s) Holding an Individual Section:

Hor vedi Amore che giovinetta donna

 Composer(s): **Pisano, Bernardo 1490–1548** +

Please note that features only apply to valid MIDI, Music XML and MEI files, and will exclude file formats from Sibelius, Finale, etc. For an explanation of all features, please consult the [jSymbolic Manual](#).

Chords and Vertical Interval Features

Dynamics Features

Instrumentation Features

Melodic Interval Features

Musical Texture Features

Average Number of Independent Voices:

1 - 3.804

Contrary Motion:

0.1578 - 0.1924

Importance of Loudest Voice:

0 - 1

Maximum Number of Independent Voices:

1 - 4

Search

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- Frottola(1)
- Madrigal(8)

Genre (Style)

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- Festa, Sebastiano(4)
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FILTER

9 results for "amor"

11 files match the feature search parameters. Only **highlighted** files match all search parameters.

Amore amor quando io speravo

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Section(s):

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The Upload interface

Can we get high-quality metadata and still keep things easy to use?

Search

Select Field:

All Headings

Select Index:

All VIAF

Search Terms:

beethoven



Beethoven, Ludwig van 1770-1827



Beethoven, Ludwig van



Ludwig van Beethoven



Бетховен, Людвиг ван, 1770-1827.



1770-1827 בטהובן, לודויג ון,



Van Beethoven, Ludwig 1770-1827



1827-1770 بیتھوفن، لودفیح فان.



Бетховен, Л. ван 1770-1827 Людвиг ван



Beethoven, Ludwig van (German composer, 1770-1827)



VIAF ID: 32182557 (Personal)

Permalink: <http://viaf.org/viaf/32182557>

Preferred Forms

 200 _ 1 [|a Beethoven |b . Ludwig : van](#)

 200 _ 1 [|a Beethoven |b Ludwig van |f 1770-1827](#)

 200 _ | [|a Beethoven |b Ludwig van |f 1770-1827](#)

 100 1 _ [|a Beethoven, Ludwig van](#)

 100 1 _ [|a Beethoven, Ludwig van](#)

 100 1 _ [|a Beethoven, Ludwig van](#)

 100 1 _ [|a Beethoven, Ludwig van |d \(1770-1827\)](#)

 100 1 _ [|a Beethoven, Ludwig van |d \(1770-1827\).](#)

Upload: Adding a Musical Work

Title

What is the title of the work? Click the green button to add variant titles or nicknames. Please include opus number or catalogue numbers if applicable (e.g., Op. 55, D960, BWV 202)

Title *:

Variant Titles:

Sections:

Contributions

Who created the work? Use the drop-down menu to choose between different kinds of contributions. Add more contributors with the green button.

Upload form -- Genre(s) and Medium of Performance

Genre(s)

What type of piece is this? (e.g., song, symphony, motet)

What style is this piece? (e.g., classical, jazz)

Sacred Or Secular:

Not Applicable

Medium of Performance

Please enter the instruments or voices below.

Instruments:

SUBMIT

However!

What happens when someone has new information that isn't captured by the authority file or the controlled vocabularies?

Upload: Adding files

Work

Please attach files below that represent the whole musical work (i.e., all movements or sections).

File: No file selected.

Software:



Sections

Please attach files that represent individual sections below. Choose the section from the dropdown menu.

File: No file selected.

Software:

Section: -----



- Allegro con brio
- Marcia funebre. Adagio assai
- Scherzo. Allegro vivace - Trio
- Finale. Allegro molto - Poco Andante - Presto

Linked data

Triple:

Beethoven—composed—Symphony No. 3

Linked data

Triple:

Beethoven—composed—Symphony No. 3

Quad (with provenance):

Beethoven—composed—Symphony no. 3—according to—this historian

Download interface & Research corpora

- Downloading symbolic files & associated features
- Building research corpora

Download interface & Research corpora

- Downloading symbolic files & associated features
- Building research corpora



Contributing back to common resources

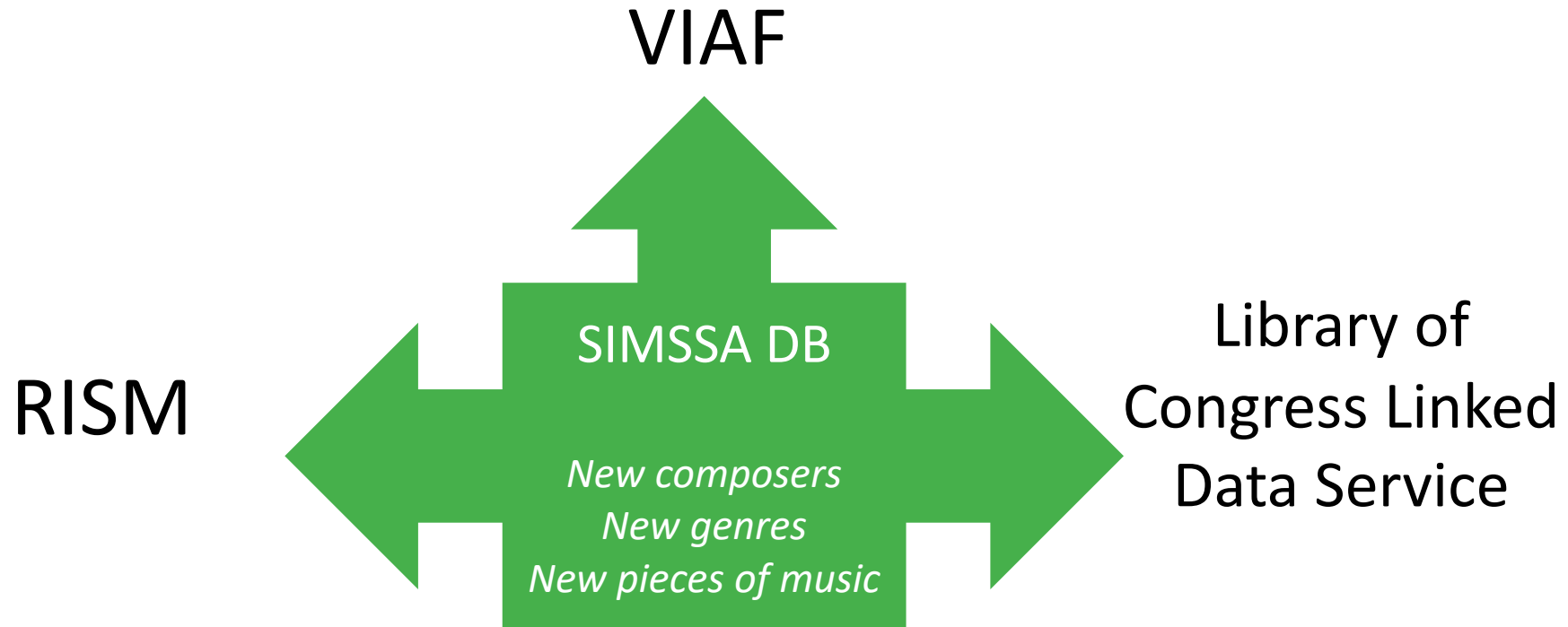
SIMSSA DB

New composers

New genres

New pieces of music

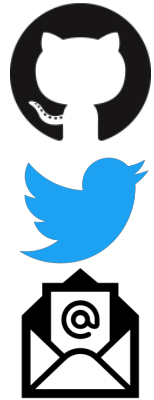
Contributing back to common resources



Coming soon

- Expand the feature-based content search to include David Garfinkle's search tool PatternFinder
- More user testing of all features
- Initial release

Thank you!



<https://github.com/ELVIS-Project/simssadb>
[@simssaproject](#)
emily.hopkins@mcgill.ca



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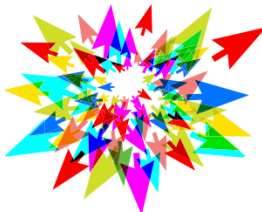
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in Music Media and Technology

Fonds de recherche
Société et culture

Québec



compute | calcul
canada | canada

