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## Tonalities presentation

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# Polifonia

## *TONALITIES presentation*

8th Polifonia Meeting  
February 2024, 6–8

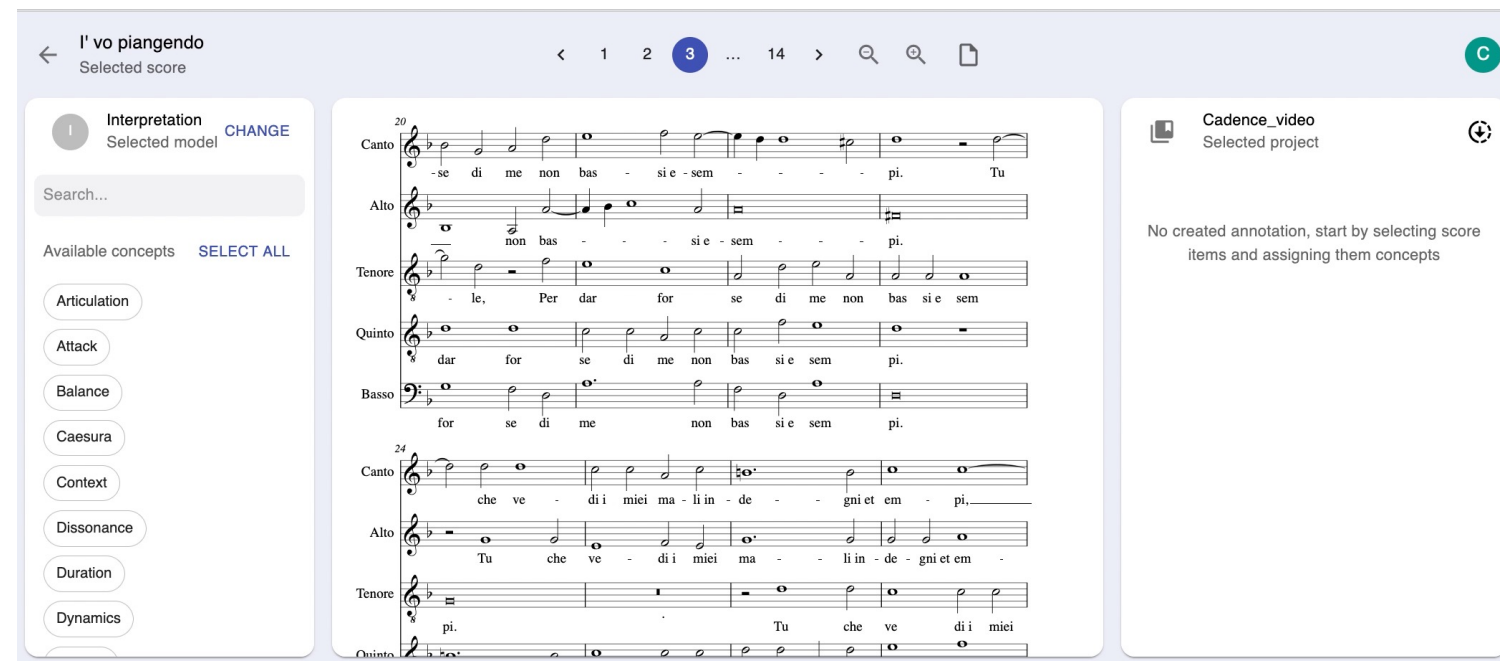


# Demo of *Tonalities'* Interface for Online Collaborative Music Analysis

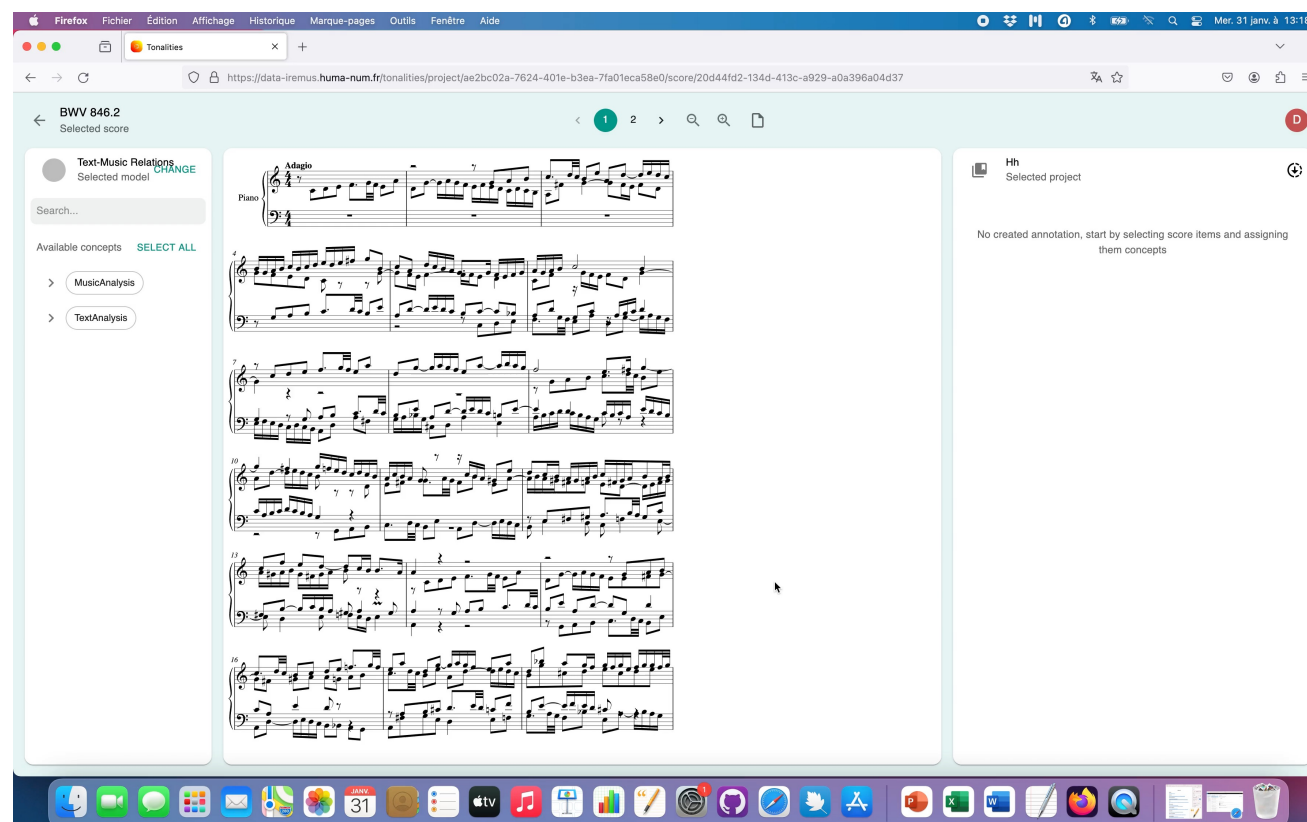
WebApplication

## [Tonalities' Interface](#)

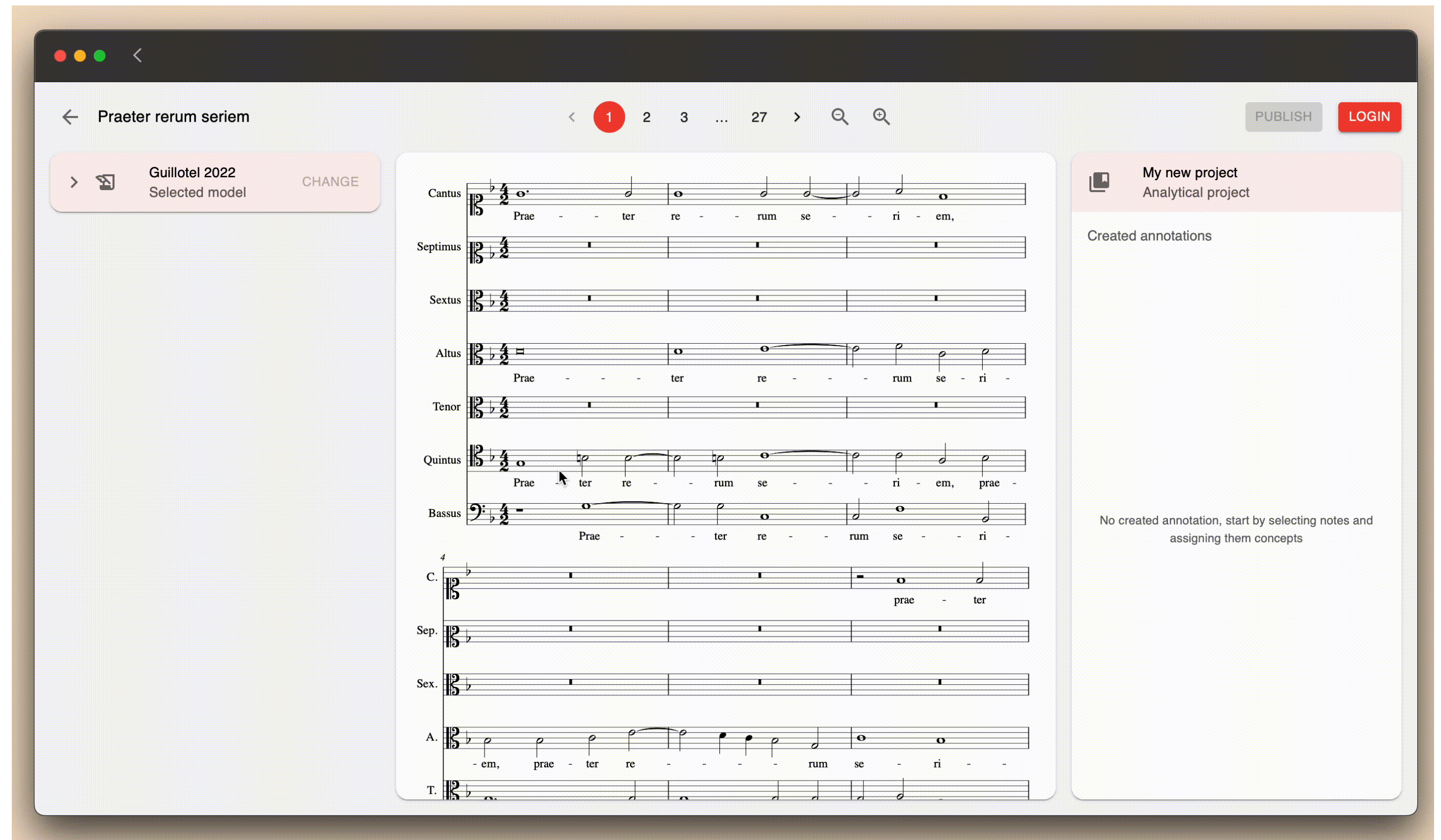
### Tutorial: Scenario 1



### Tutorial: Large selections



## [Presentation and info on the web application](#)



<u>Objectives</u>	<u>Progress</u>
• Compare modal-tonal attributions of a musical work;	100%
• Look “inside” modal-tonal theories and compare them;	100%
• Provide an argued, documented and authored modal-tonal analysis on the basis of the theoretical and analytical observations made. To this end:	100%
➤ Develop a semantic model for generic score collaborative annotation	100%
➤ Design & develop a Web interface and a Web service for collaborative score annotation	100%
• Develop and apply at least 5 different theoretical models to identify how the work’s modal-tonal interpretation changes through the lense of a given theoretical framework	80%
• Classify musical works into modal-tonal categories on the basis of an in-depth understanding of their inner organisation	80%

### Dissemination 1

- Christophe Guillotel-Nothmann and Anne-Emmanuelle Ceulemans, *Das diatonisch-chromatische System zur Zeit des Michael Praetorius. Eine digitale Neuerschließung des Syntagma Musicum (1619) Inverbindung mit dem Tanzzyklus Terpsichore (1612)*, in *Musik im Umbruch. Michael Praetorius zum 400. Todestag*, Harrassowitz, 2021.
- Achille Davy-Rigaux, Christophe Guillotel-Nothmann, *Polifonia : à l'écoute de la musique*, in *Interview Sciences humaines et sociales – Pôle communication Délégation Paris-Centre*, interview réalisée par Maxime Lerolle, May 2021
- Achille Davy-Rigaux, Christophe Guillotel-Nothmann, *Polifonia veut jouer la bande-son de l'histoire musicale européenne*, in *CNRS : la lettre innovation*, interview réalisée par Thierry Lucas, July 2021
- Christophe Guillotel-Nothmann, *Musical Heritage in the Interdisciplinary Project Polifonia: New resources, methods and tools for musicology*, 21st Quinquennial IMS Congress (IMS2022), Athens, Greece, August 2022
- Arianna Graciotti, Marco Grasso, Marco Gurrieri, Eleonora Marzi, Valentina Presutti, Rocco Tripodi, *Polifonia: la colonna sonora di Bologna e del suo patrimonio culturale*, Notte Europea dei Ricercatori, Bologna, Piazzale Lucio Dalla/Tettoia Nervi, September 2022
- Thomas Bottini, Christophe Guillotel-Nothmann, Marco Gurrieri, Félix Pouillet-Pagés, *Tonalities' Collaborative Annotation Interface for Music Analysis*, The 21st International Semantic Web Conference 2022 / Music Heritage Knowledge Graphs Workshop, Hangzhou (online), October 2022
- Thomas Bottini, Philippe Cathé, Christophe Guillotel-Nothmann, Marco Gurrieri, Nicolas Meeùs, *Vecteurs harmoniques : le point sur la question*, Journée d'Analyse Musicale de la Société Française d'Analyse Musicale, Paris, Conservatoire Berlioz, December 2022

### Dissemination 2

- Adam Filaber, Christophe Guillotel-Nothmann, Marco Gurrieri, *TONALITIES: Musical Systems and their Histories Revisited through Modeling and Collaborative Score Annotation. A Case Study on “Directed Progressions” in Secular Works by Josquin and his Contemporaries*, The RILM’s Global Digital Music Studies Conference, New York, The City University of New York, April 2023.
- Arianna Graciotti, Marco Grasso, Marco Gurrieri, Nicolas Lazzari, Eleonora Marzi, Elena Musumeci, Valentina Presutti, Giulia Renda, *Polifonia: la colonna sonora della nostra cultura*, Notte Europea dei Ricercatori, Bologna, Piazzale Lucio Dalla/Tettoia Nervi, September 2023.

## TONALITIES – Results achieved

2<sup>nd</sup> Evaluation campaign in progress



20 participants:

- Students from music Conservatories (France)
- MA students and PhD students in musicology (Canada, France)
- Musicologists (Belgium, Canada, France, Italy, USA)
- Music analysts (Belgium, Canada, France, USA)
- Music IT experts (Swiss, USA)

### Adoptions of Tonalities' Web Interface

6 adopters for 5 different research projects:

1/ Mangani [Università degli Studi di Firenze]: *The Interpretation of Textual and Music Meanings in the Late 16th-Century Madrigals and Motets*

2/ Ceulemans [Université catholique de Louvain]: *Dufay's Musical Output*

3/ Porot [Université de Reims] and Laurenti [Sorbonne université]: *The Rethorical Interpretation of Musical Cadences in Lully's Operatic Works*

4/ Lalitte [IReMus]: *Stravinsky's Symphonie de Psaumes*

5/ Freedman [Haverford College, USA]: *Pedagogical Project on Renaissance Music Annotation*



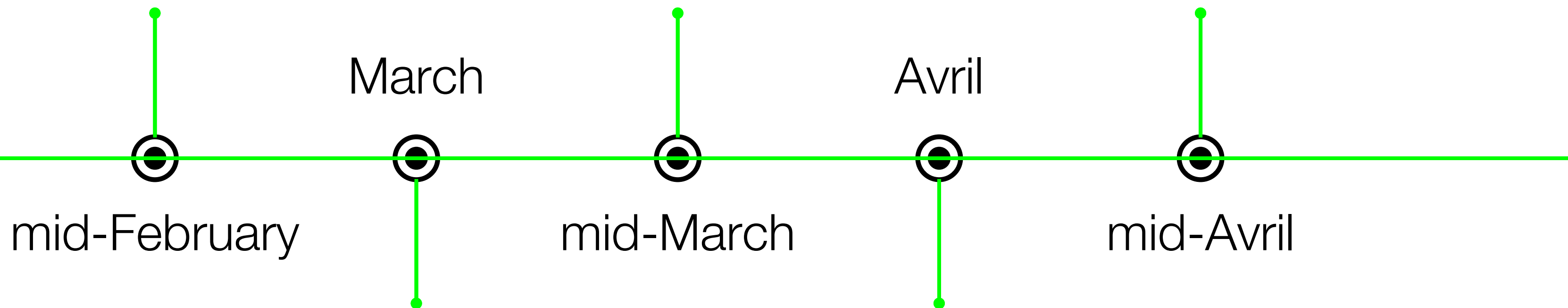
# TONALITIES – Results achieved

## Limits and next steps

- Collect and evaluate results of the Survey
- Contribute to D1.5
- Limit: the interface does not visualize the definitions of each theoretical concept
- Fix a meeting for Sandra

- Web-Interface features:
  - Add a playback button in the score
  - Make the analytical category visible in the score

- Web-Interface features:
  - Add filters to the list of the theoretical models
  - Use URLs for identifying a score



- Contribute to D1.8
- Web-Interface features:
  - Add a drop-down function in each main analytical annotation
  - Add a citability button on the annotation page

- Web-Interface features:
  - Edit annotations hierarchies
  - Scroll on the first concerned analytical annotation when clicking on a note in the score

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**Polifonia**  
Thanks

