Validation of the Archivio Vi.Vo. architecture: a case study on rhotic degemination in Tuscan vernacular

Roberta Bianca Luzietti

PhD student University of Pisa – Research grant CLARIN-IT (ILC-CNR)

CLARIN Annual Conference – Prague, 10-12 October 2022
Research project (PhD)

• Interdisciplinary research project
• Crossroad between Linguistics and Digital Humanities
• Reusing spontaneous spoken data from legacy data
• Not conceived for linguistic purposes
• Phonetic investigation on /rr/ degemination in Tuscany\(^4\)
  (e.g., It. terra Eng. ‘land’ > tera)
• Through the Archivio Vi.Vo. architecture\(\text{CLARIN-IT}\)^2

11/10/2022
Oral history data

- Collected by Angela Spinelli (historian)
- Face-to-face interviews between 1980-82
- Rural area of Prato (Cantagallo, Montemurlo, Vaiano)
- Testimonies on historical events post WW2
- Digitization in 2011 within the Gra.fo project\(^1\)
- More than 120 hours of interviews + metadata
- Currently unavailable online
Goals

1. **Safe** storage, preservation, organization and exploration of the content of the Spinelli archive\(^3\) **with Archivio Vi.Vo.**

2. **Sociophonetic analyses** on rhotic degemination in Tuscany
Methodology (1)

1. **Inclusion** of the archive into Archivio Vi.Vo.
   - **Archival** management, protection and enhancement **model**
   - Storage of **preservation copy** and **archival units**

2. **Listening** and **transcription** of the **recordings**
Methodology (2)

3. Extraction of speech chunks containing target words

4. Phonetic annotation and acoustic analysis (PRAAT)

5. Tools from the CLARIN VLO (Visible Vowels)
Conclusions

• **Real case** of interdisciplinary work

• **Benefits of** using CLARIN(-IT) innovative **technologies**

• **Validation of** the Archivio Vi.Vo. architecture

• **Adaptability** and reusability for **different archives** \(^5\)

• Implementation of **new features** to the architecture

• **Showcase the potential of legacy data for Linguistics** \(^6\)
THANK YOU
References


