



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

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# 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<sup>[4]</sup>  
(e.g., It. *terra* Eng. 'land' > *tera*)
- Through the **Archivio Vi.Vo.** architecture (**CLARIN-IT**)<sup>[2]</sup>



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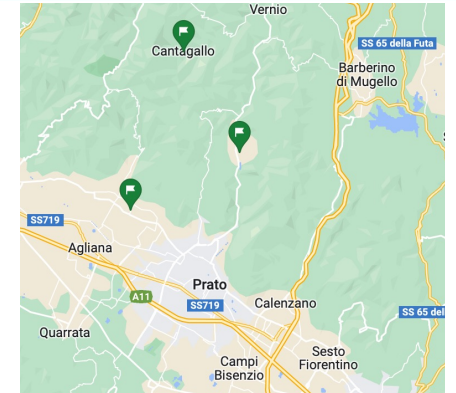
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NATIONAL RESEARCH COUNCIL OF ITALY



# 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**<sup>[1]</sup>
- More than **120 hours of interviews + metadata**
- Currently **unavailable** online



<p>Carte</p> <p>conchi conchi conchi</p> <p>cd D/A conchi stage</p> <p>D/A conchi conchi</p>	<p>Foto + D/A stage cultura conchi, stage</p> <p>D/A + cartelle</p>	<p>Video 3/4 stage foto Patti + D/A conchi conchi Patti conchi Patti</p> <p>audio Patti Patti conchi</p>	<p>Video STAGE Video 6/4 UHS Video 1/2 BN Video 3/4 var</p> <p>conchi</p>	<p>D/A D/A Rappresentazione teatro Patti</p> <p>conchi conchi</p>
1	2	3	4	5

Patti  
 Conchi  
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video TP

# Goals



1. **Safe** storage, preservation, organization and exploration of the content of the Spinelli archive<sup>[3]</sup> **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** <sup>[5]</sup>
- Implementation of **new features** to the architecture
- Showcase the **potential of legacy data for Linguistics** <sup>[6]</sup>

# CLARIN-IT

the Italian Common Language Resources and Technology Infrastructure



# THANK YOU





# References



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