# Modeling Medieval Romances

An open database of works, traditions, and manuscripts

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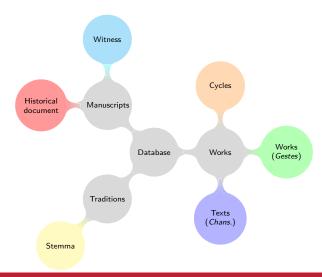




# Works, Traditions, and Manuscripts



Our database is oriented around 6 entities: cycles, works, texts, stemmata, witnesses, and historical documents.





# 1. Works and Manuscripts

Entities Relationships

- Traditions
- Data management



# 1. Works and Manuscripts Entities

Relationships

2. Traditions

3. Data management

### 5 core entities: from abstract to concrete



#### Cycle:

A collection of stories

# Work [Geste]:

A story

### Text [Chanson]:

A version of the story

### Witness:

An instance of the version of a story

### **Historical Document:**

A physical copy/edition of the instance

### 5 core entities: Marvel example 1



### Cycle:

Spider-Man - Peter Parker

### Work (aka "story"): Green Goblin learns of

Spider-Man's identity

### Text (version of story): Green Goblin follows

Peter down an alley

# Witness (instance of version):

"How Green Was My Goblin!", The Amazing Spider-Man, vol. 1, no. 39 (1966)

### Historical Document:

A physical copy of issue 39

## 5 core entities: Marvel example 2



### Cycle:

Spider-Man - Peter Parker

### Work (aka "story"): Green Goblin learns of

Spider-Man's identity

# Text (version of story):

Goblin notices Peter's wound during dinner

## Witness (instance of version):

Spider-Man (2002) Bibliothèque du cinéma François Truffaut - P RAIM

# Historical Document:

A DVD copy of the film

# 5 core entities: LostMA example



### Cycle:

Charlemagne - Agolant

### Work:

The geste Aspremont

### Text:

The Franco-Italian chanson "Romanus Aspremontis"

### Witness:

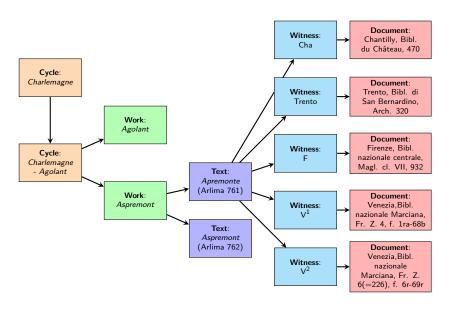
Manuscript with siglum V<sup>1</sup> Fr. Z. 4 (=225)

#### **Historical Document:**

Folios 1ra-68b of Fr. Z. 4 (=225)

# Parent-children relationships







# 1. Works and Manuscripts

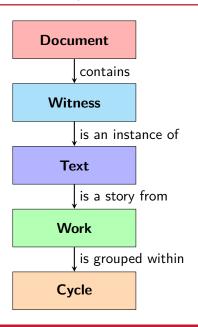
Entities Relationships

2. Traditions

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# Inter-entity relationships





# Cycle-to-cycle relationships



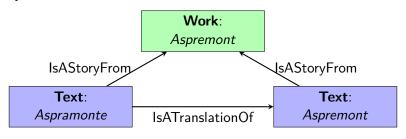
A cycle can be related to another cycle.



## Text-to-text relationships



A text can be derivative of / related to another text in multiple ways.



#### Text A is ... Text B:

- is a version of [inverse: is a model for]
- is a translation of
- ▶ is a prosification of [inverse: is a reversification of]
- ▶ is an abridgement of [inverse: is an amplification of]



- 1. Works and Manuscripts
- 2. Traditions
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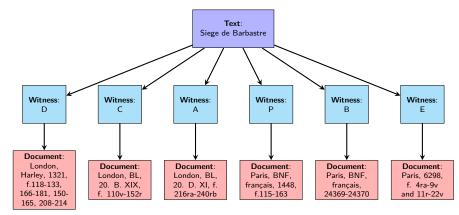
Through their instances, both works and texts evolve over time.

A text evolves through different witnesses. A work evolves through different texts. Such evolution is described through stemmata.

# Stemma Historical text genealogy. omega В F

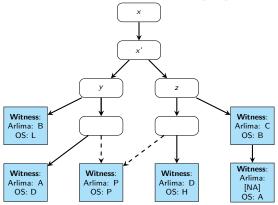


The Arlima database has genealogical information available for texts and their witnesses. We can use this information to imitate stemmata.





The OPENSTEMMATA PROJECT maintains a repository of stemma publications, which we will leverage to connect texts to witnesses.<sup>1</sup> The challenge is linking the witnesses in the Arlima database with those in the OpenStemmata (OS) repository.



<sup>&</sup>lt;sup>1</sup>Gundlach 1883 Siege Barbastre, *OpenStemmata*.



- 1. Works and Manuscripts
- 2. Traditions
- 3. Data management

# Publication strategy



We plan to make the data available in multiple ways.

- Heurist database:
  - Project contributors: Platform for modifying entities with a user-friendly graphic interface.
  - Users: Hosted website for completing certain queries and visualizing the data.
- GitHub repository:
  - Project contributors: Depository for data dumped from Heurist, available for enriching and querying with a variety of tools.
- ► API:
  - Users: Endpoint for users to query and collect certain data.