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Linking Latin

The LiLa Knowledge Base of Interlinked Linguistic Resources for Latin

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We have built and collected (for Latin and other languages):

- ▶ Textual Resources
- ▶ Lexical Resources
- ▶ NLP Tools

Scattered and Unconnected

ERC Consolidator Grant 2018-2023

A collection of multifarious, interoperable linguistic resources described with the same vocabulary for knowledge description (by using common data categories and ontologies)

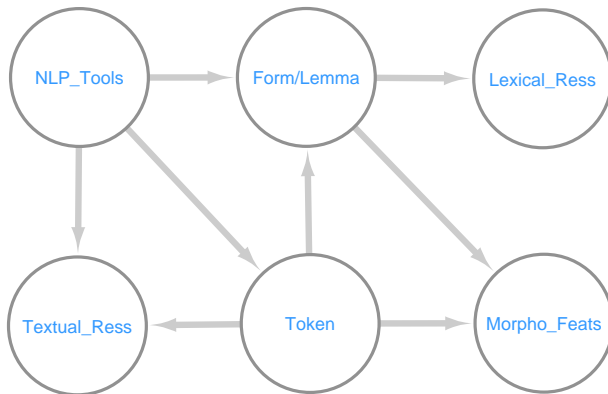
Interlinking as a Form of Interaction



Infrastructure



Interoperability

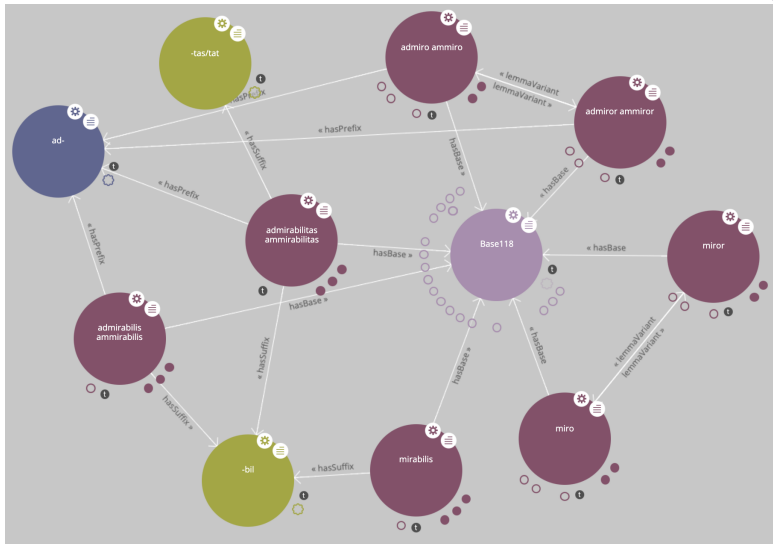


Lemma *admiror* 'admire, respect'

<https://lila-erc.eu/data/id/lemma/87541>

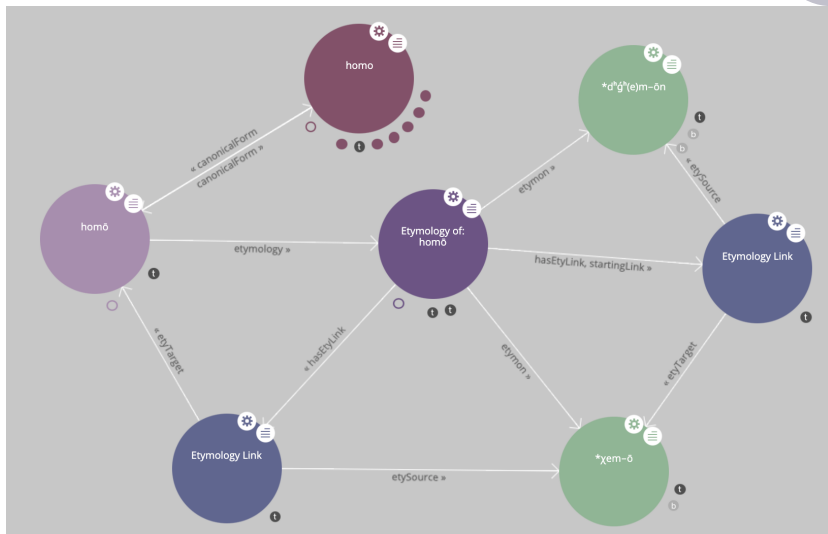
LiLa: Structure. Derivational Morphology

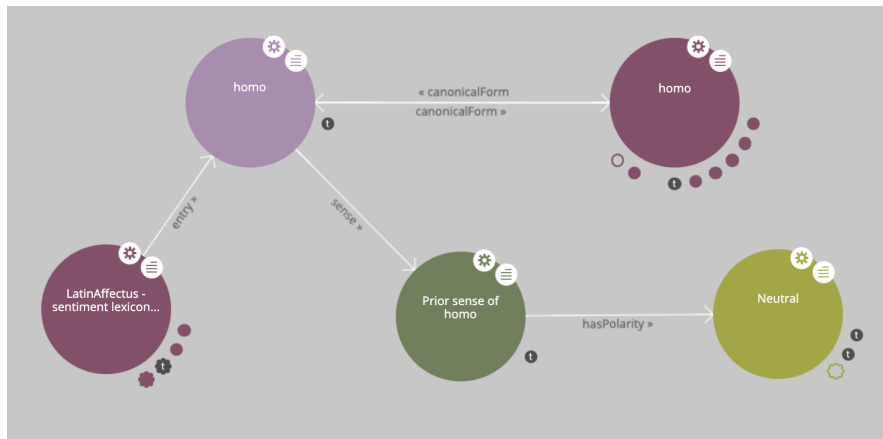
Word Formation Latin



LiLa: Structure. Etymology

Etymological dictionary of Latin and the other Italic Languages





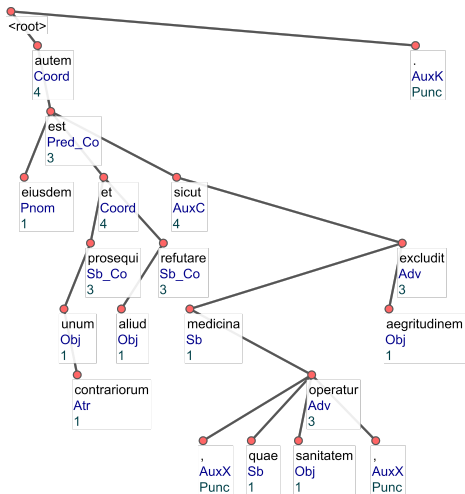
LiLa: Structure. All together now!

Lemma Bank, Derivational Morphology, Etymology and Polarity



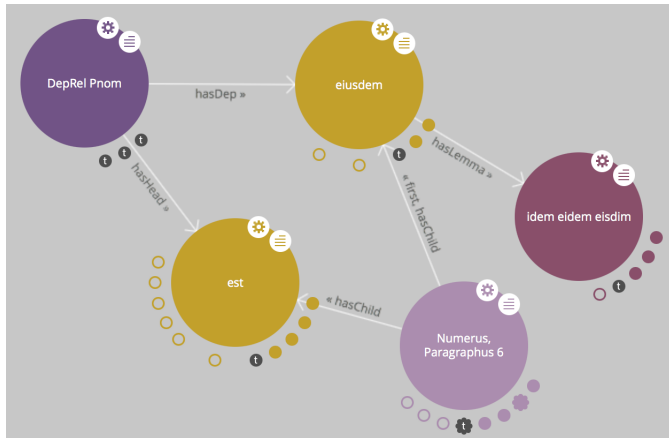
eiusdem autem est unum contrariorum prosequi et aliud refutare sicut medicina, quae sanitatem operatur, aegritudinem excludit. (IT-TB: SCG, lib. 1, cap. 1, n. 6)

Now it **belongs to the same thing** to pursue one contrary and to remove the other: thus medicine, which effects health, removes sickness. (Trans. Laurence Shapcote)



LiLa: Structure. Syntax

Phenomena and noumena



► Corpora

- Index Thomisticus Treebank (*Summa contra Gentiles*): ca. 400,000 nodes
- Dante Search (700th death anniversary coming up!): ca. 46,000 tokens
- Querolus sive Aulularia*: ca. 17,000 tokens
- PROIEL and LLCT treebanks
- Computational Historical Semantics Corpus

► Lexica

- Word Formation Latin: ca. 46,000 lemmas (Classical Latin)
- BRILL Etymological dictionary of Latin and the other Italic Languages: ca. 1,400 entries
- LatinAffectus (sentiment lexicon for Latin): ca. 2,300 entries
- Index Graecorum Vocabulorum in Linguam Latinam: ca. 1,800 entries
- Latin WordNet & Latin Vallex 2.0

► NLP tools

- LEMLAT (lemma bank): ca. 150,000 lemmas

► TOTAL: approximately 5 million triples

Query interface and Triplestore

- ▶ <https://lila-erc.eu/query/>
- ▶ <https://lila-erc.eu/sparql/>

Corpora

- ▶ <https://lila-erc.eu/data/corpora/ITTB/id/corpus>
- ▶ <https://lila-erc.eu/data/corpora/DanteSearch/id/corpus>
- ▶ <https://lila-erc.eu/data/corpora/Querolus/id/citationUnit/QuerolussiveAulularia>

Lexica

- ▶ <https://lila-erc.eu/data/lexicalResources/BrilledDL/Lexicon>
- ▶ <https://lila-erc.eu/data/lexicalResources/LatinAffectus/Lexicon>
- ▶ <https://lila-erc.eu/data/lexicalResources/IGVLL/Lexicon>

Thanks!

Get in touch



LiLa: Linking Latin

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<https://lila-erc.eu>



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