

POGO

Philology-Oriented Graphematics Ontology

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GRTP 2023: Pour une modélisation de l'écriture

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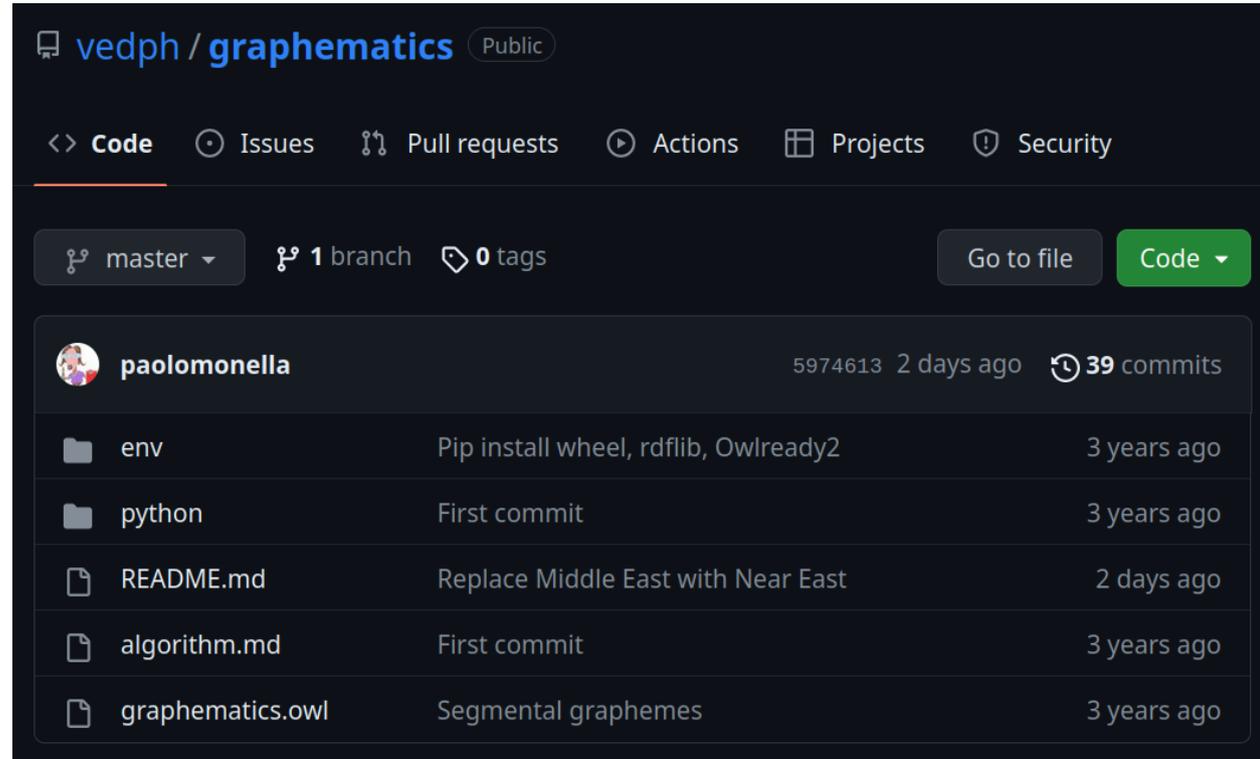
POGO: Philology-oriented Graphematics Ontology

What: The concepts/objects a digital philologist needs to transcribe a textual document

- Digital diplomatic transcription (or HTR)
- Focus: medieval manuscripts

POGO: Philology-oriented Graphematics Ontology

Where: github.com/vedph/graphematics



vedph / graphematics Public

<> Code Issues Pull requests Actions Projects Security

master 1 branch 0 tags Go to file Code

paolomonella 5974613 2 days ago 39 commits

env	Pip install wheel, rdflib, Owlready2	3 years ago
python	First commit	3 years ago
README.md	Replace Middle East with Near East	2 days ago
algorithm.md	First commit	3 years ago
graphematics.owl	Segmental graphemes	3 years ago

POGO: Philology-oriented Graphematics Ontology

Why:

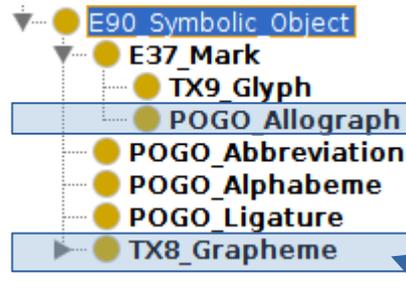
1. Digital palaeography / digital philology
2. Interoperability among digital scholarly editions

POGO: Philology-oriented Graphematics Ontology

- Reusing/expanding [CRMtex](#) ontology (CIDOC-CRM)
 - [TX8 Grapheme](#)
 - [TX9 Glyph](#)
- Two closely related ontologies (to which POGO is connected via `owl:equivalentClass`)
 - Peter Stokes, [The Archetype Ontology](#)
 - Frekerike Neuber, [typoo](#)

The logo for CRMtex, featuring the text 'CRMtex' in a large, green, serif font with a slight shadow effect.

Allograph / Grapheme



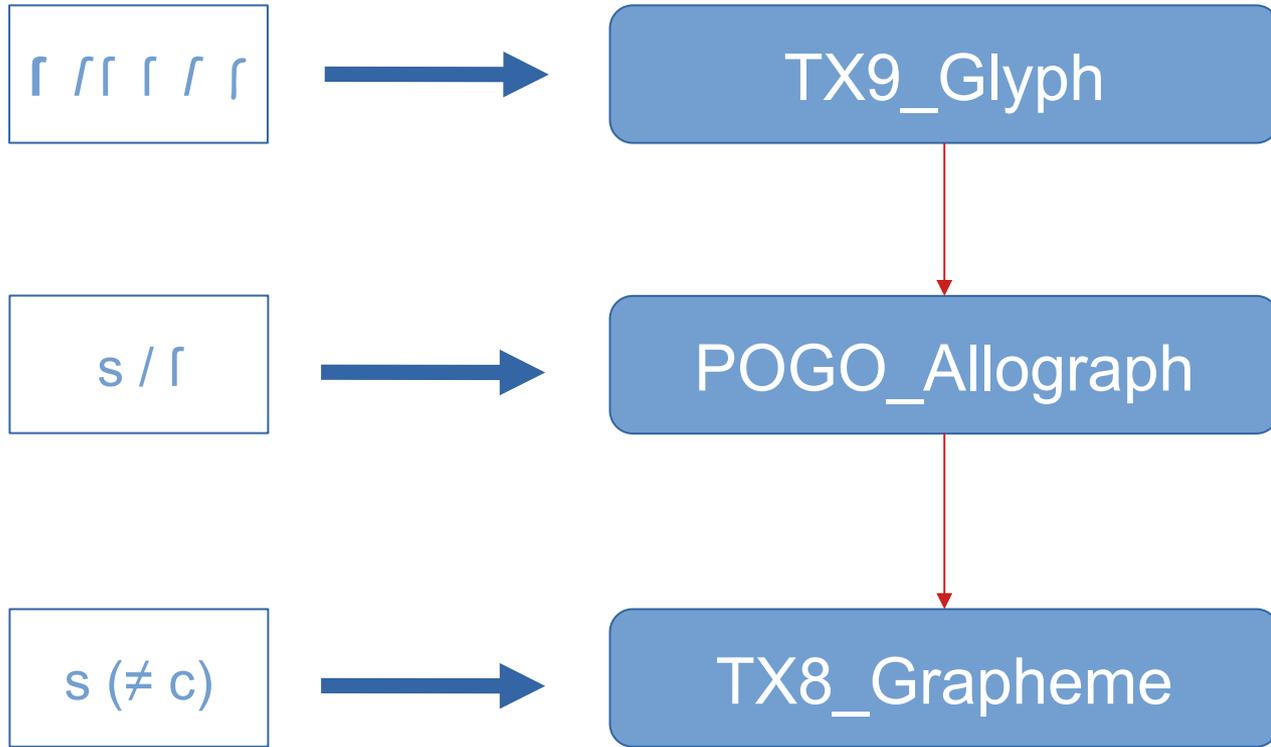
Abstract form of a
non-distinctive
graphic variant:

s / f
sou / fou

Minimal *distinctive* unit
of a graphic system:

s / c
sou / cou

Glyph / Allograph / Grapheme

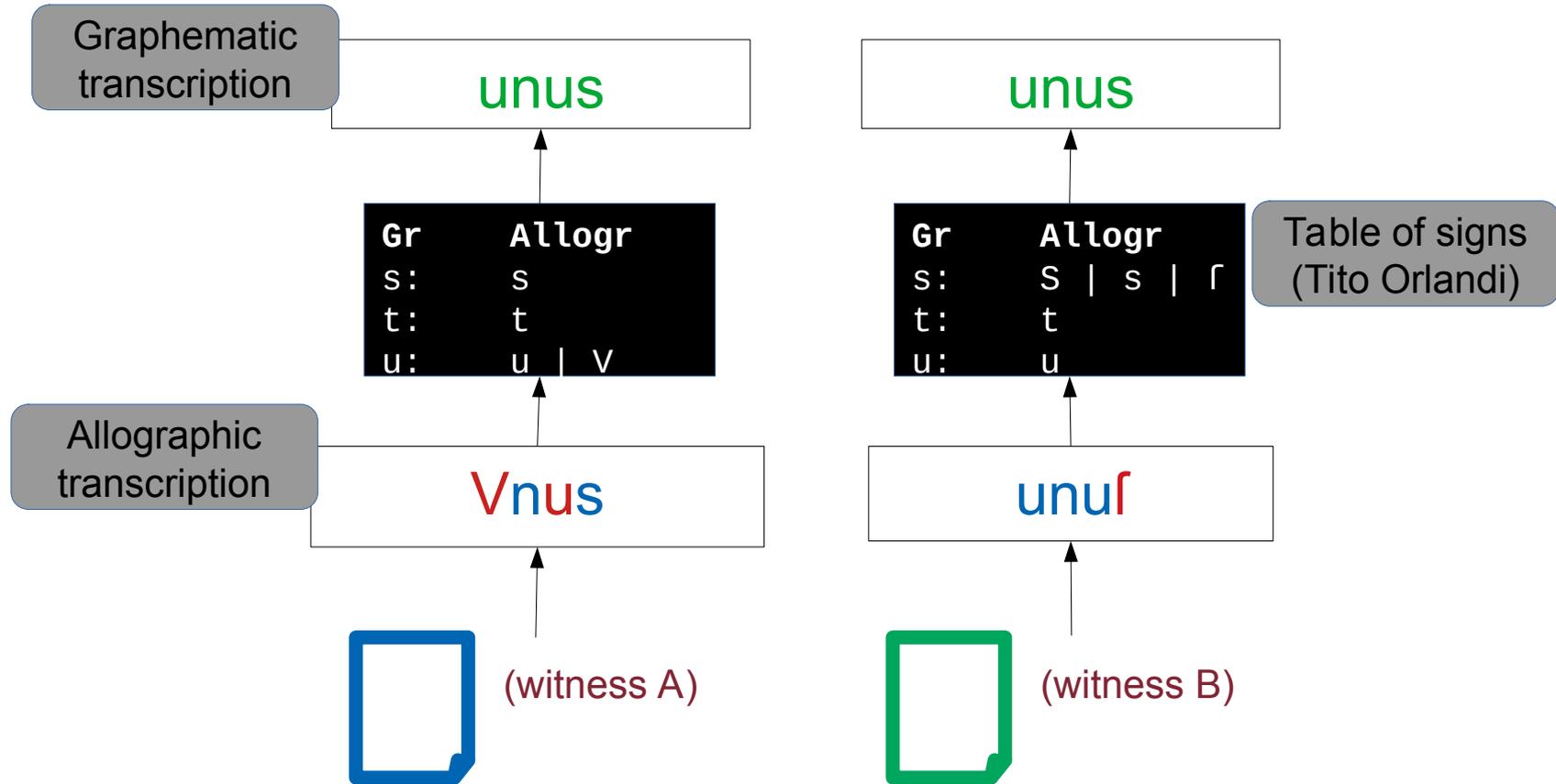


Interoperability

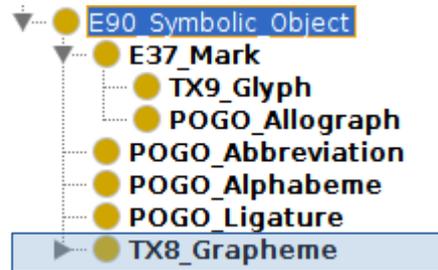
Why:

Interoperability among digital scholarly editions → *A practical example*

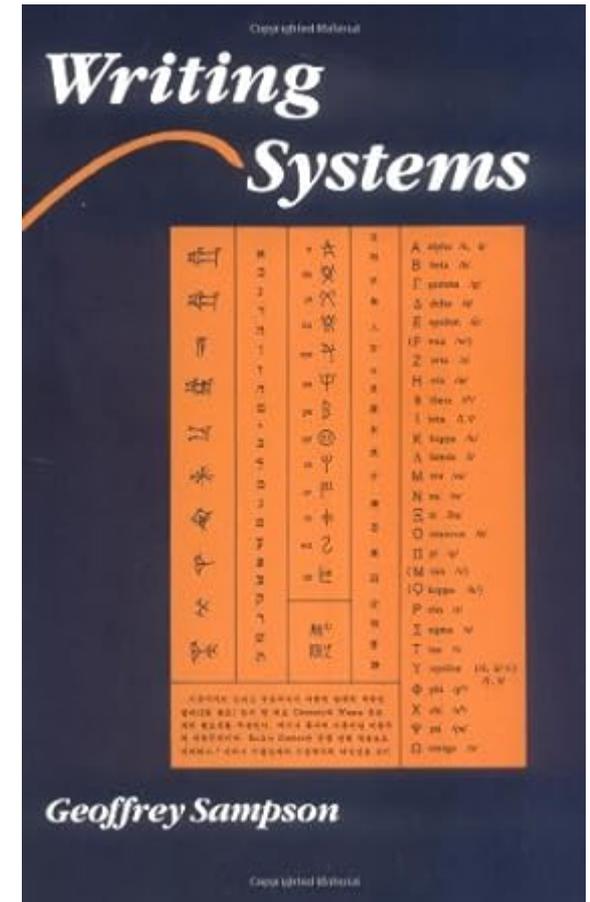
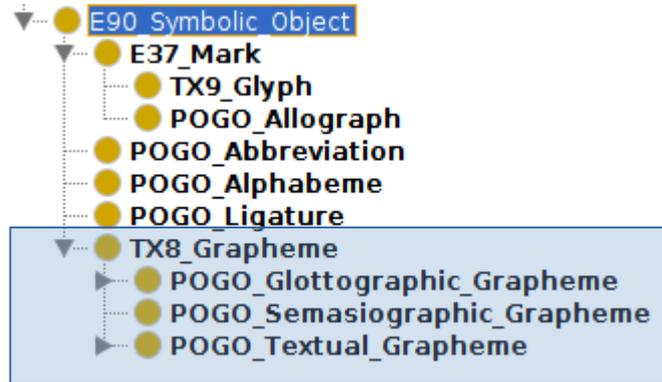
Allograph / Grapheme



Grapheme

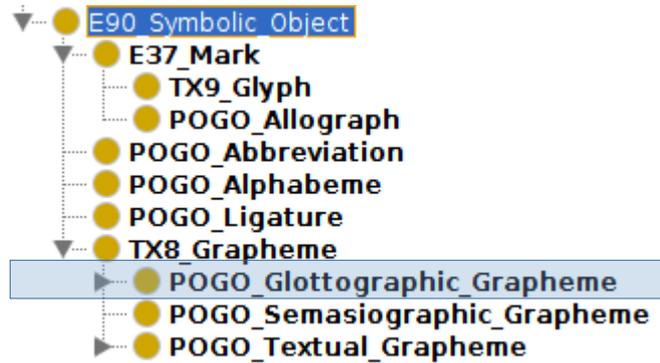


Grapheme classification (Sampson)

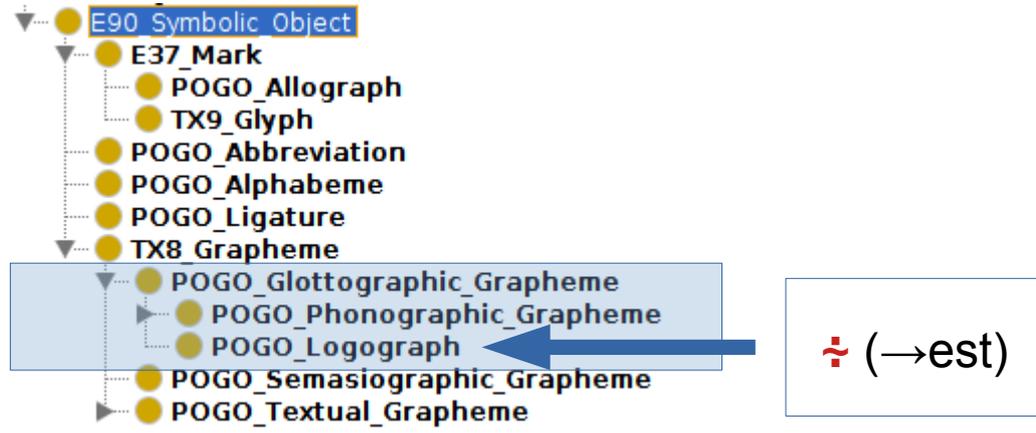


Glottographic Grapheme

Words
(language)



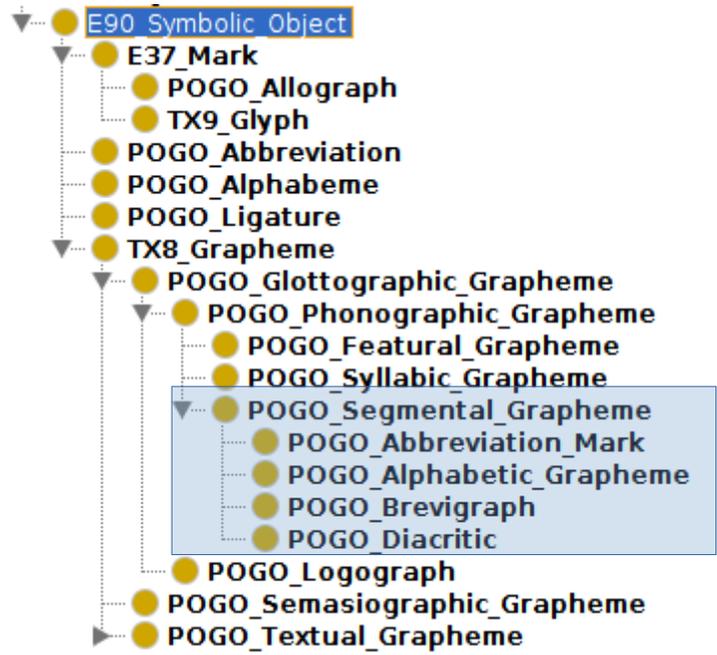
Logograph



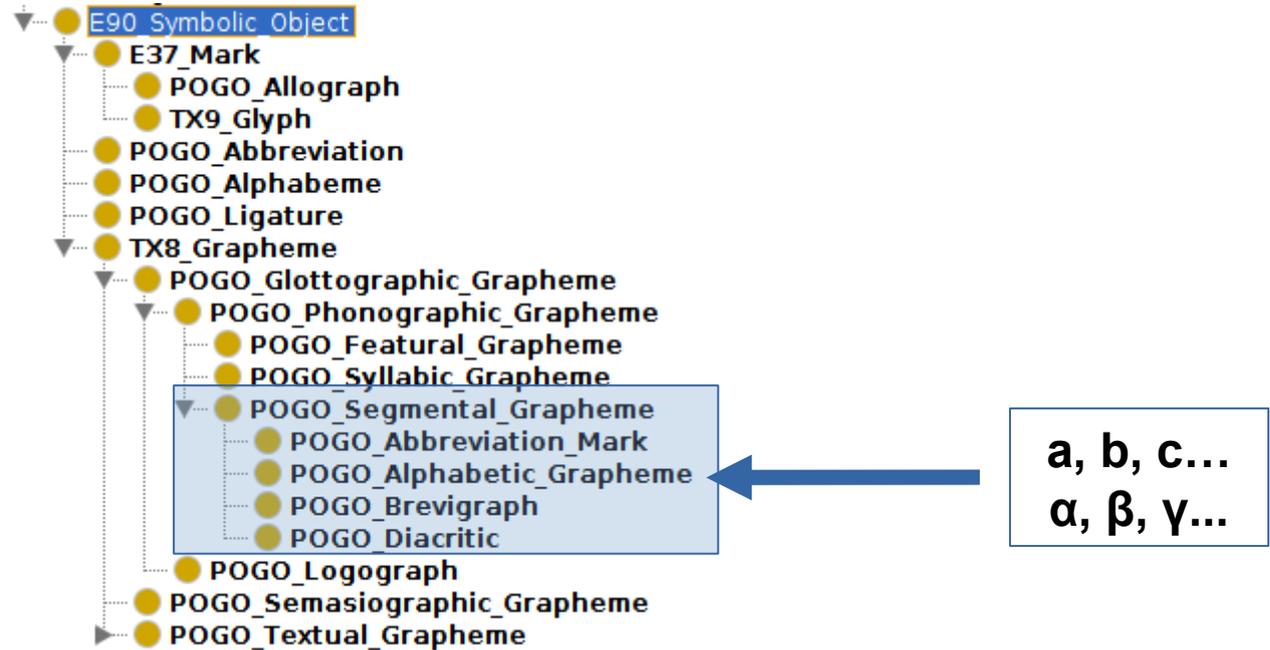
⚡ (→est)

Segmental Grapheme (→“alphabet”)

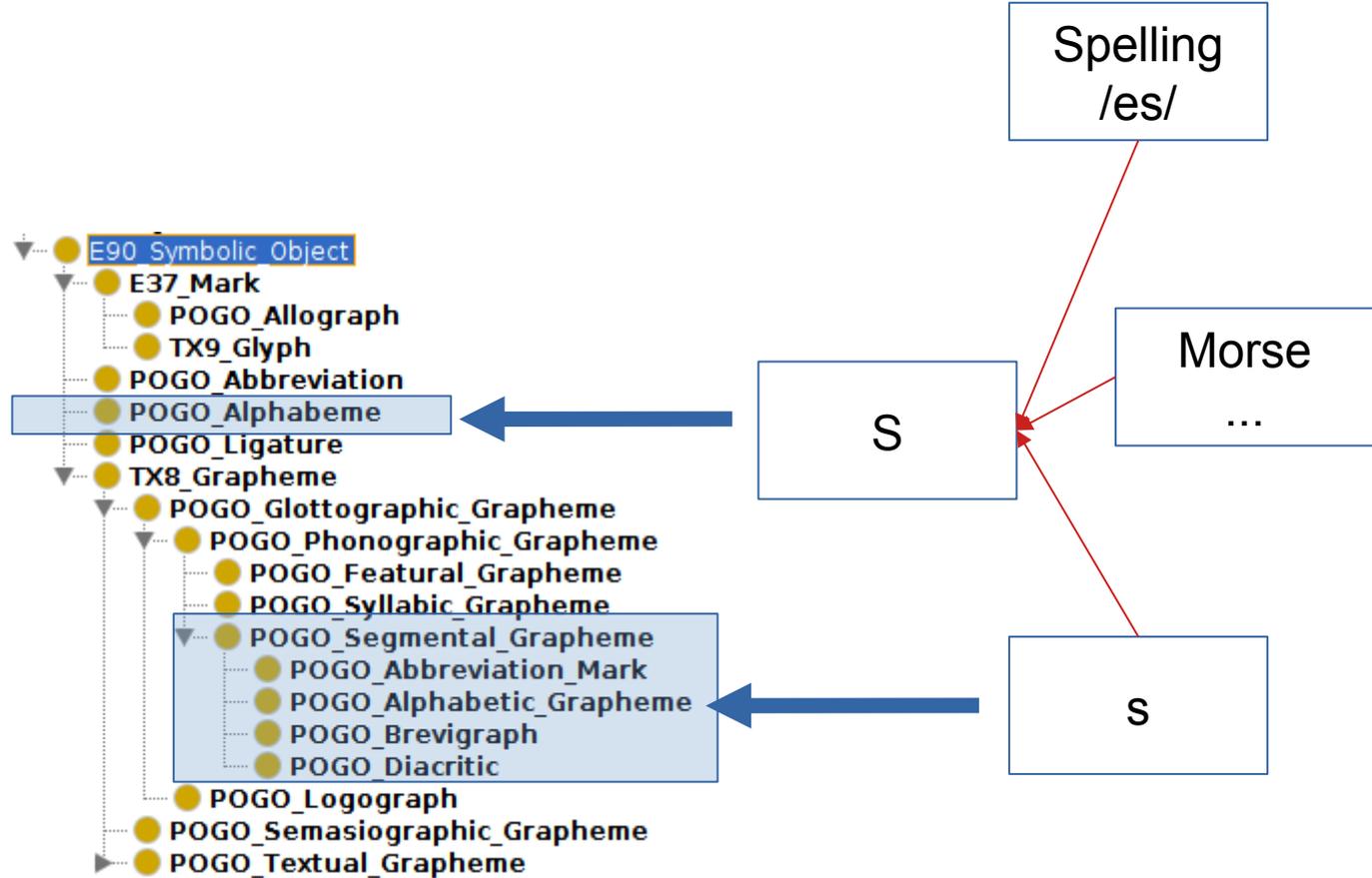
→ “Alphabet”
... and around



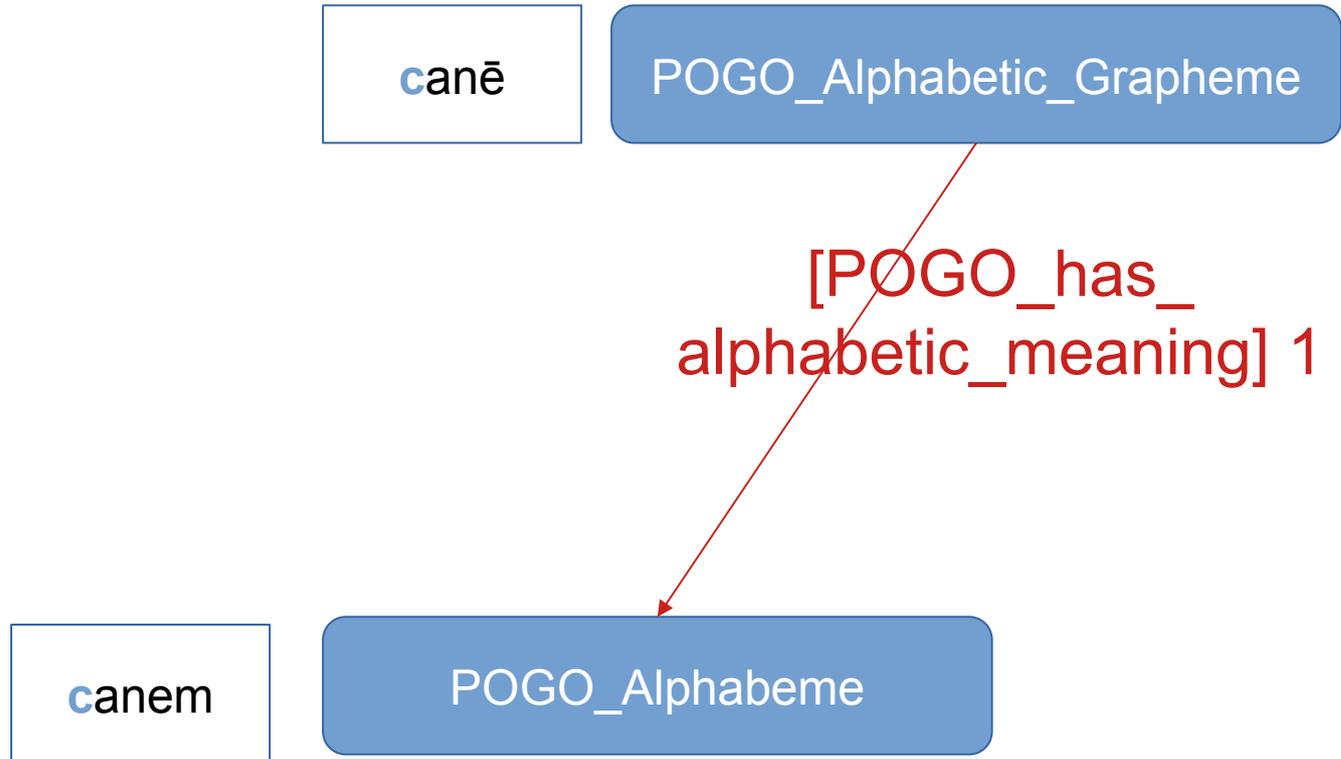
Alphabetic Grapheme



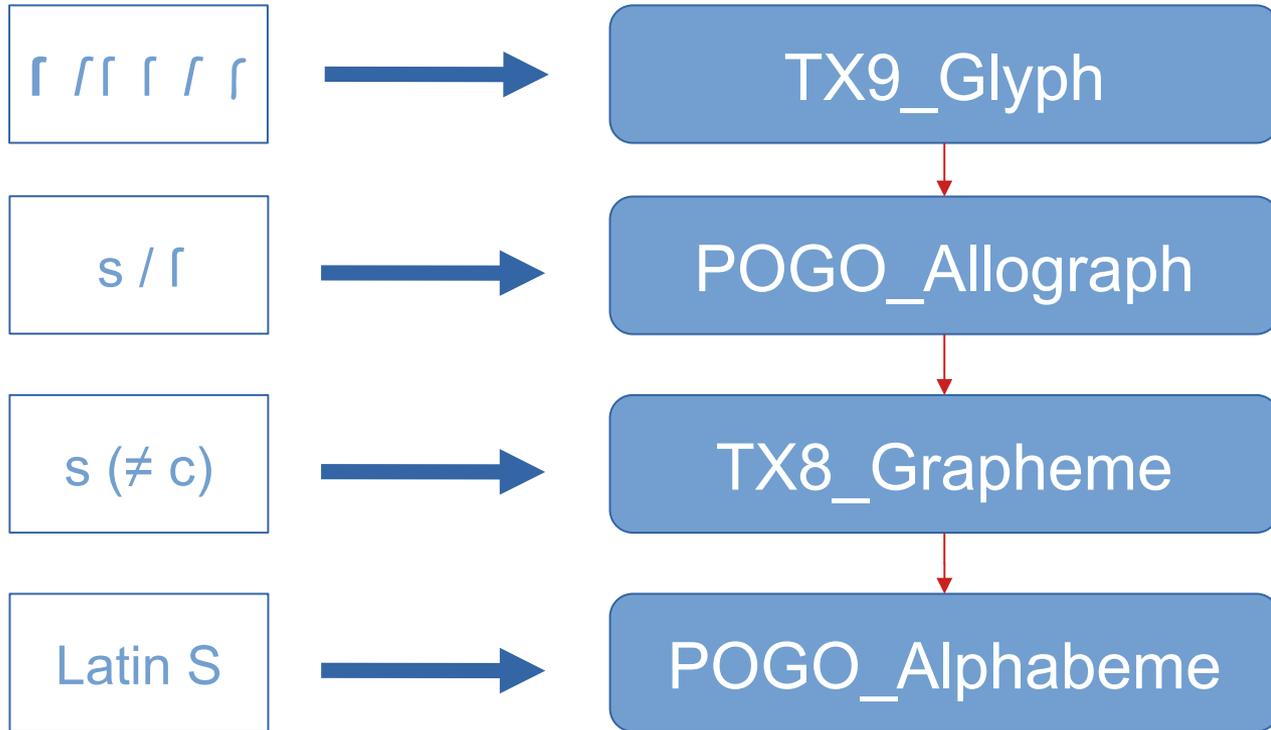
Alphabeme (“alphabetic letter”)



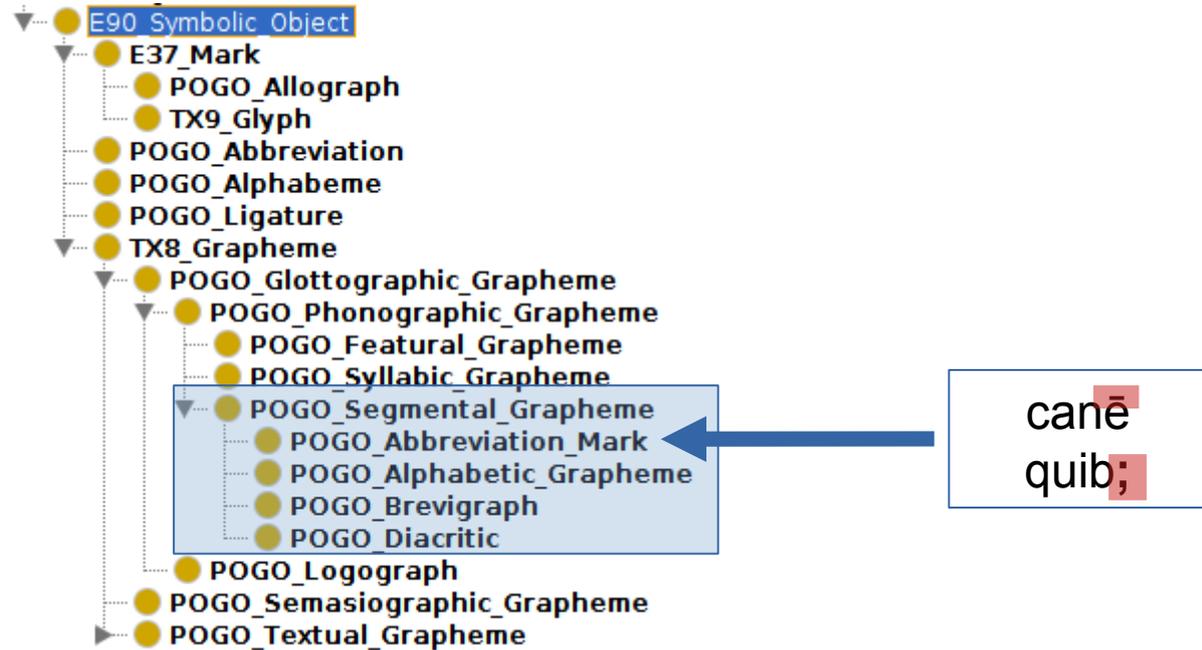
POGO_has_alphabetic_meaning



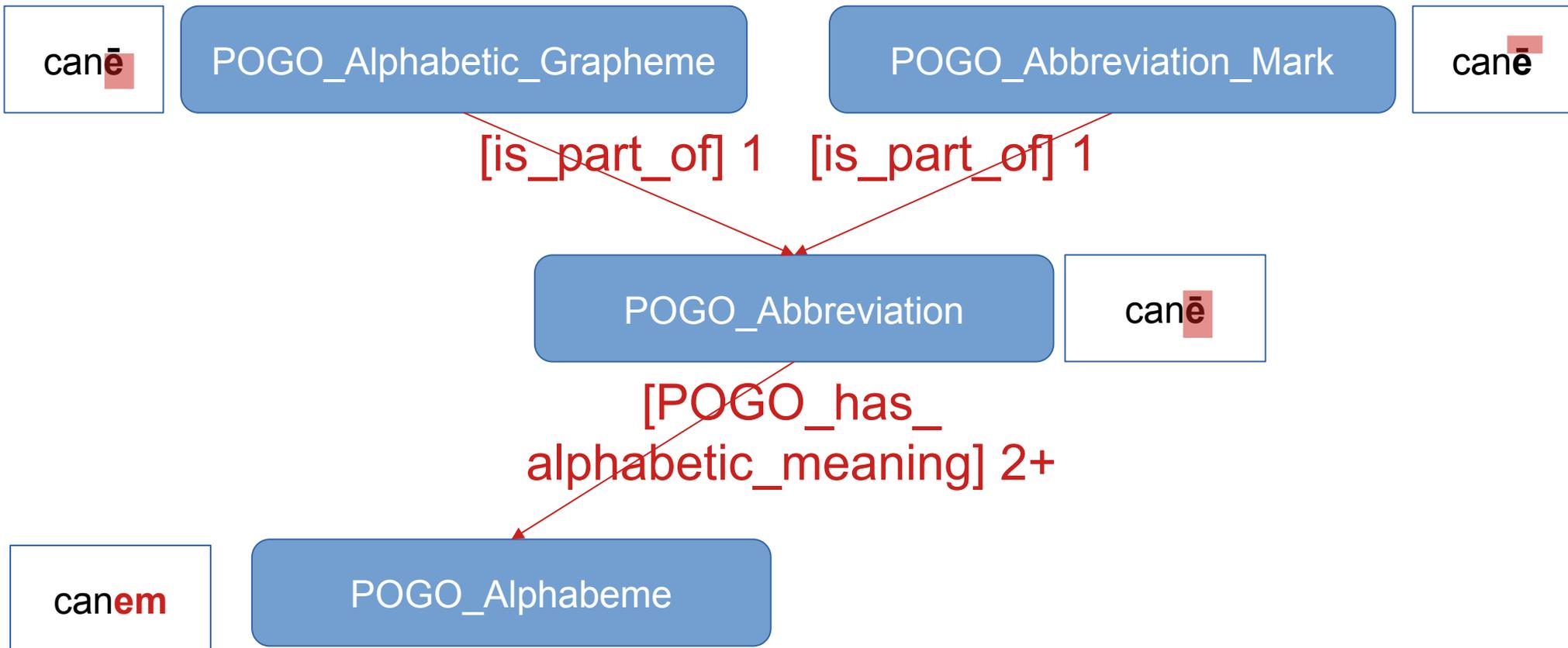
Glyph / Allograph / Grapheme / Alphabeme



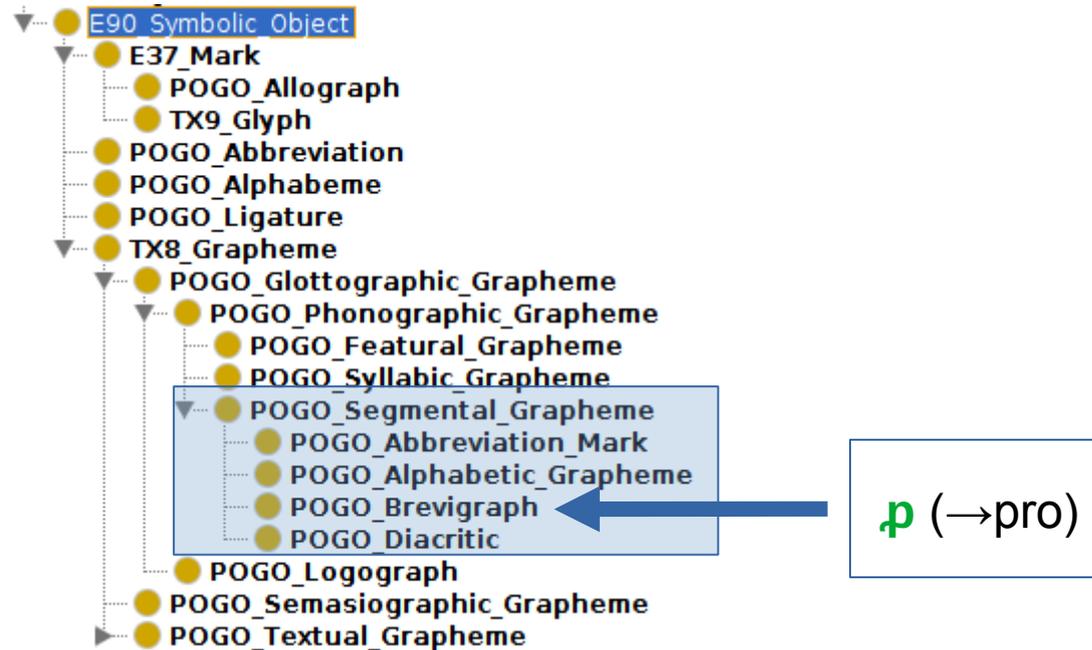
Abbreviation Mark



Abbreviation

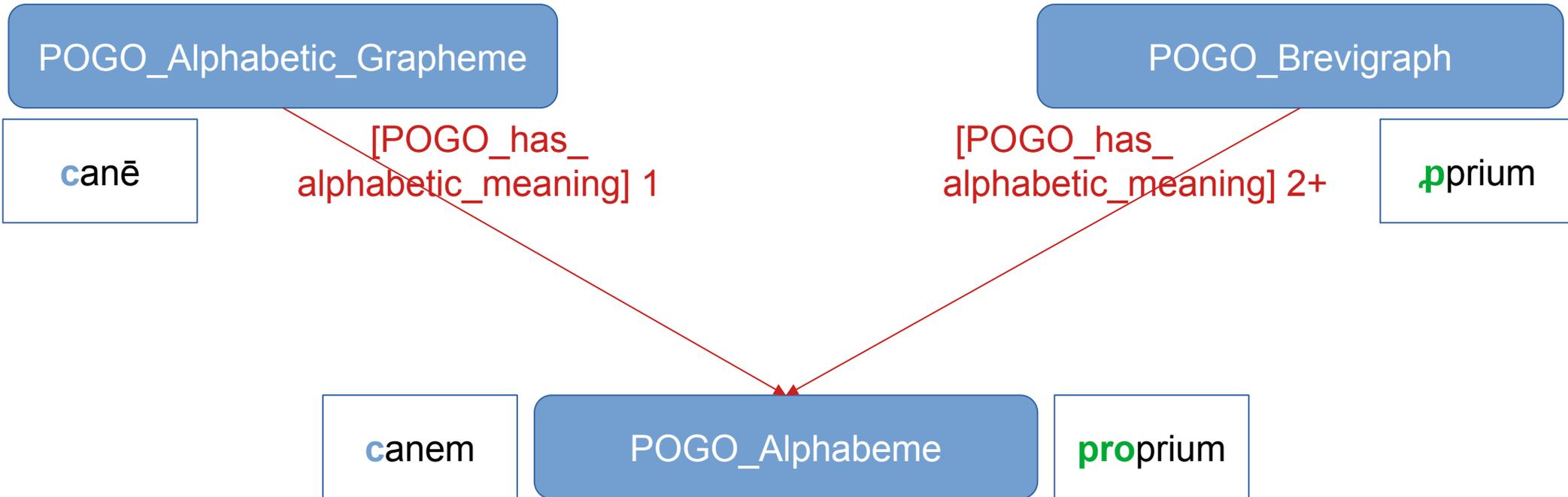


Brevigraph

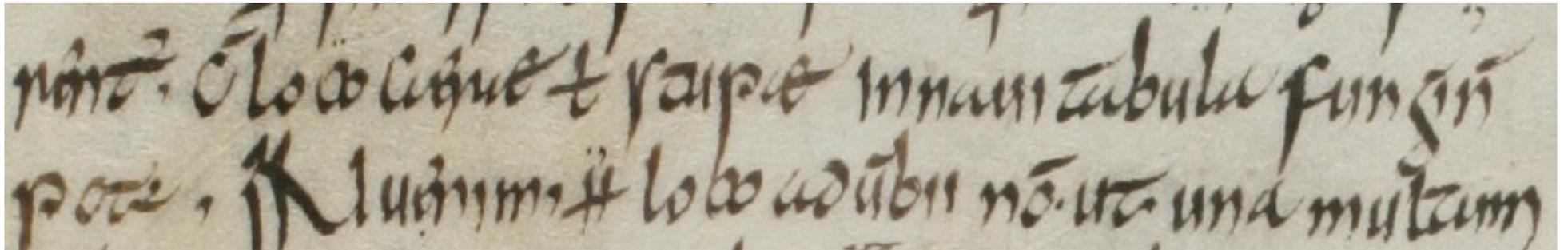


p (→pro)

Brevigraph



Non-entirely-alphabetic writing systems



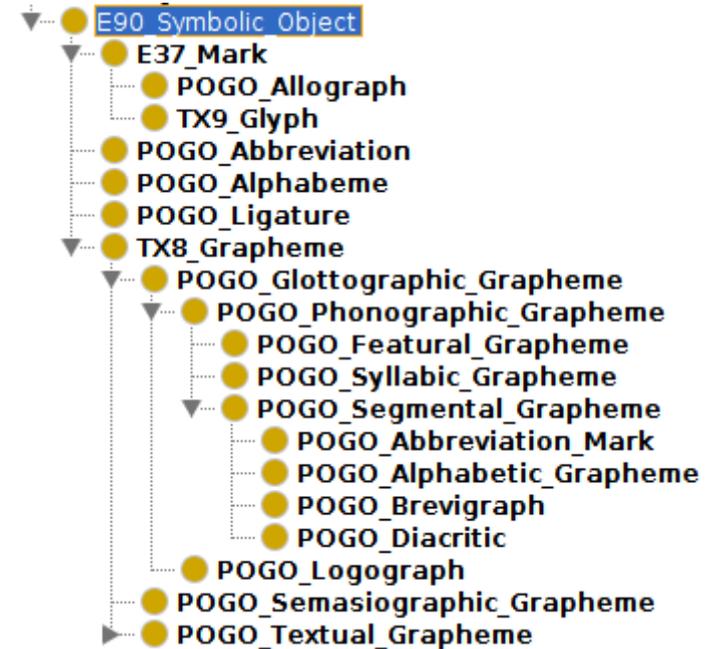
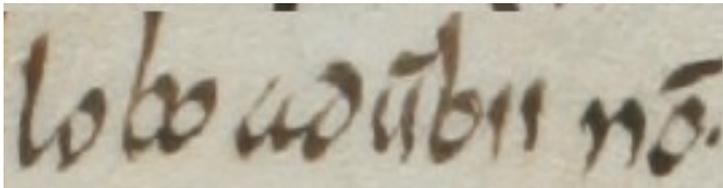
St. Gallen, Stiftsbibliothek, 904 (IX²; Insular script; Priscian, *Ars Grammatica*)

Non-entirely-alphabetic writing systems

non potest inuenimus enim

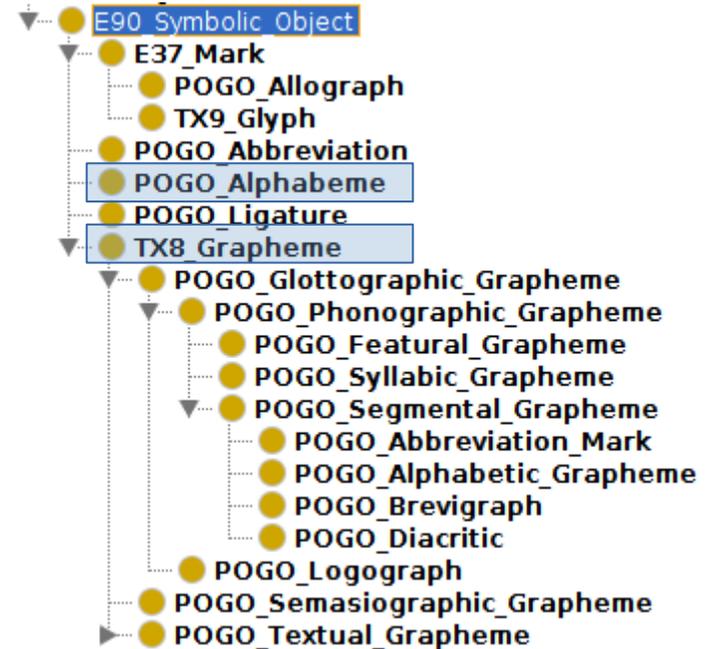


loco aduerbii **nomen**



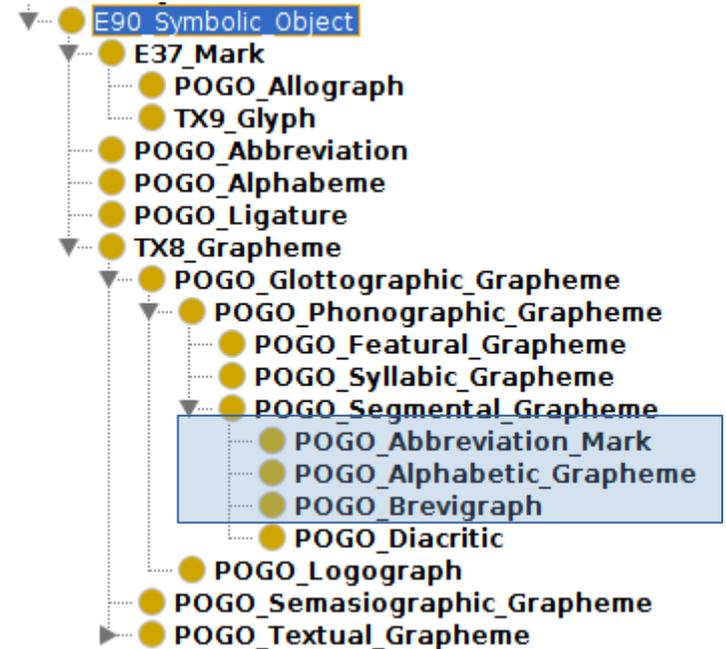
(Some) open issues

- Alfabeme (alphabetic letter) / Grapheme
 - Morse code, spelling etc.



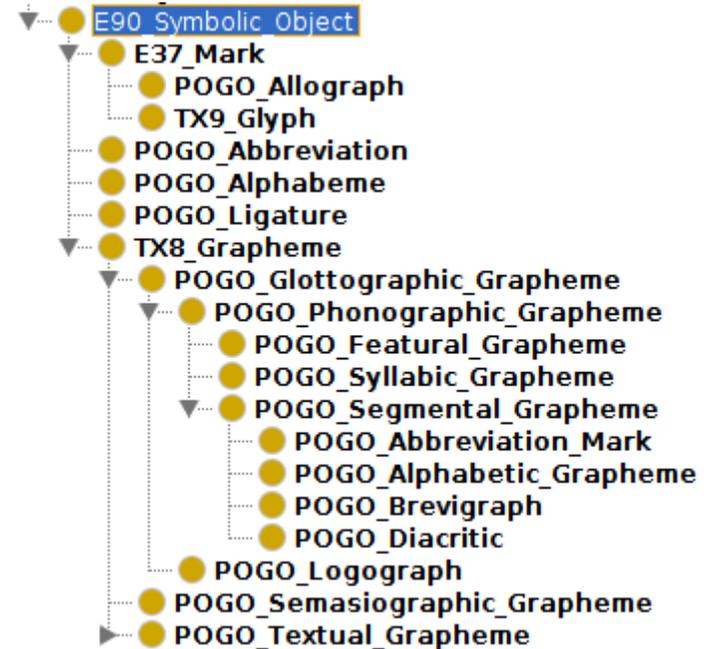
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- Alfabeme (alphabetic letter) / Grapheme
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- Abbreviation → ligature → brevigraph



(Some) open issues

- Alphabeme (alphabetic letter) / Grapheme
 - Morse code, spelling etc.
 - Abbreviation → ligature → brevigraph
1. Philology: Writing system of the *individual* witness
 2. Palaeography: “Caroline” as a whole



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