

Semantic Annotation without the Pointy Brackets
An Introduction to Recogito

What is Pelagios?

- A series of projects
- A growing community initiative
- Establishing conventions for **Linked Open Data** about the **places** of the **past**
- Developing software **Recogito**, **Peripleo** to assist this process



Some Background & History (1)



- Started life as a project-internal tool in 2014
 - Geographic mapping of a range of texts and maps from classical period up to 1492
 - 171 registered accounts, ~10 “power users”
 - 317 documents in 8 languages
 - ~151,000 acquired toponyms
 - ~half of the toponyms mapped (=linked to *gazetteers* like GeoNames or Pleiades)
- Project phase ended August 2015
- Highlights now at <http://recogito.pelagios.org/pelagios3>



5

Primum ergo de Europa, altrice victoris omnium gentium populi longeque terrarum pulcherrima, quam plerique merito non tertiam portionem fecere, verum aequam, in duas partes ab amne Tanai ad Gaditanum fretum universo orbe diviso. oceanus a quo dictum est spatio Atlanticum mare infundens et avido meatu terras, quaecunque venientem expavere, demergens resistentes quoque flexuoso litorum anfractu lambit, Europam vel maxime recessibus crebris excavans, sed in quattuor praecipuos sinus, quorum primus a Calpe Hispaniae extimo, ut dictum est, monte Locros, Bruttium usque promunturium, inmenso ambitu flectitur.

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In eo prima Hispania terrarum est, ulterior appellata, eadem Baetica, mox a fine Murgitani montis Pyrenaei iuga. ulterior in duas per longitudinem provincias dividitur, si quidem Baeticae latere septentrionali praetenditur Lusitania, amne Ana discissa, quae in Hispaniae et modo in stagna se fundens, modo in angustias resorbens aut in totum cuniculis condens et saepius nasci gaudens in Atlantico mari, adfixa Pyrenaeo totoque eius a latere decurrens et simul ad Gallicum oceanum Hiberico a mari transversa se pandens, Solorio monte et O

NEW ANNOTATION

Murgitano

Mark as toponym?

OK

Cancel

7

Baetica, a flumine mediam secante cognominata, cunctas provinciarum diviti cultu et quodam rerum ac pecuniarum nitore praecedat. iuridici conventus ei IIII, Gaditanus, Cordubensis, Astigitanus, Hispalensis. oppida omnia numero CLXXV, in iis coloniae VIII, municipia c. R. X, Latio antiquitus donata XXVII, libertate VI, foedere III, stipendiaria CXX. ex his digna memoratu aut Latio sermone dictu facilia, a flumine Ana litore oceani oppidum Ossonoba, Aestuaria cognominatum, inter confluentes Luxiam et Urium, Hareni montes, Baetis fluvius, litus Curense inflexo sinu, cuius ex adverso Gadis inter insulas dicenda, promunturium Iunonis, portus Baesippo, oppidum Baelo, Mellaria, fretum ex Atlantico mari, Carteia, Tartesos a Graecis dicta, mons Calpe.

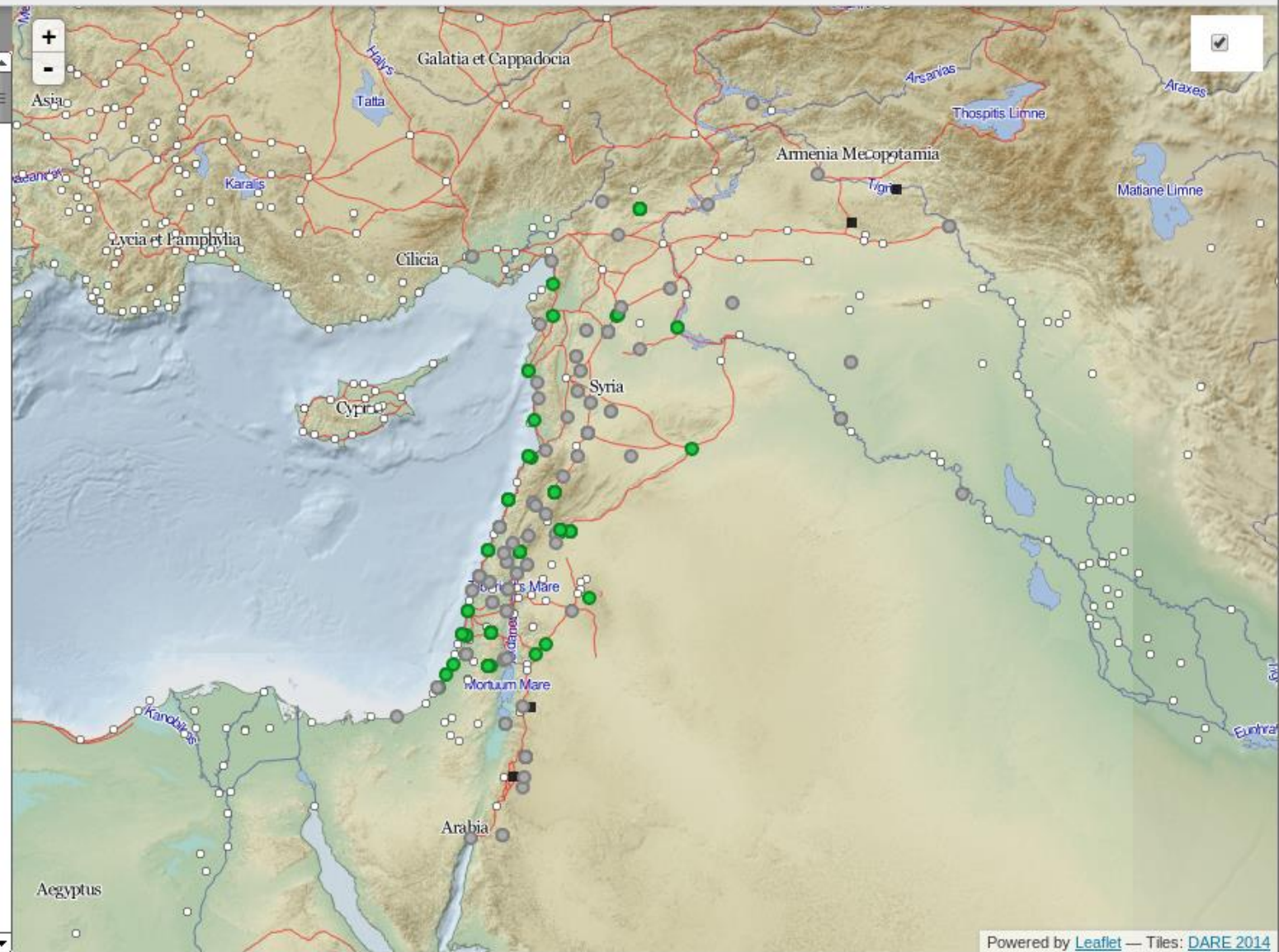
8

dein litore interno oppida Barbesula cum fluvio, item Salduba, oppidum Suel, Malaca cum fluvio foederatorum. dein Maenuba cum fluvio, Sexi cognomine Firmum Iulium, Sel, Abdara, Murgi, Baeticae finis. oram eam in universum originis Poenorum existimavit M. Agrippa; ab Ana autem Atlantico oceano obversa Bastulorum Turdulorumque est. in universam Hispaniam M. Varro pervenisse Hiberos et Persas et Phoenicas Celtasque et Poenos tradit. lusum enim Liberi patris aut lyssam cum eo bacchantium nomen dedisse Lusitaniae et Pana praefectum eius



Document Stats Text Geo-Resolution

#	Toponym	Auto Match	Corrected	Stat...
0	الشام				pleiades:1306	✓
1	الشام				pleiades:1306	✓
2	قرية طالوت			thurayya:aryayyun...		?
3	اوربا			thurayya:arayya36...		?
4	المسجد الأقصى					?
5	جبل زيتا			thurayya:abalsanir...		?
6	عكا			thurayya:kka35E32N		?
7	عسقلان				thurayya:sqalan34E...	✓
8	عين سلوان			thurayya:ynrumiyy...		?
9	وادي كنعان			pleiades:746712		?
10	بيسان			thurayya:aysan35...		?
11	الصور			thurayya:hawr35E...	thurayya:ur35E33N	✓
12	دمشق				thurayya:imashq36...	✓
13	صغر			thurayya:ughar35E...		?
14	البصرة			thurayya:ara36E35N		?
15	الرملة			thurayya:amla34E...		?
16	إبليا					?
17	حمص			thurayya:ims36E34N		?
18	بصرى			thurayya:usr36E3...		?
19	طبرية			thurayya:abariyya...		?
20	البحر			pleiades:785970		?
21	بحر الصين			thurayya:usayn40...		?
22	الشام				pleiades:1306	✓
23	الكعبة			thurayya:uswa36E...		?
24	العراق			thurayya:harat35E...		?





Transcription:

MEARO FI

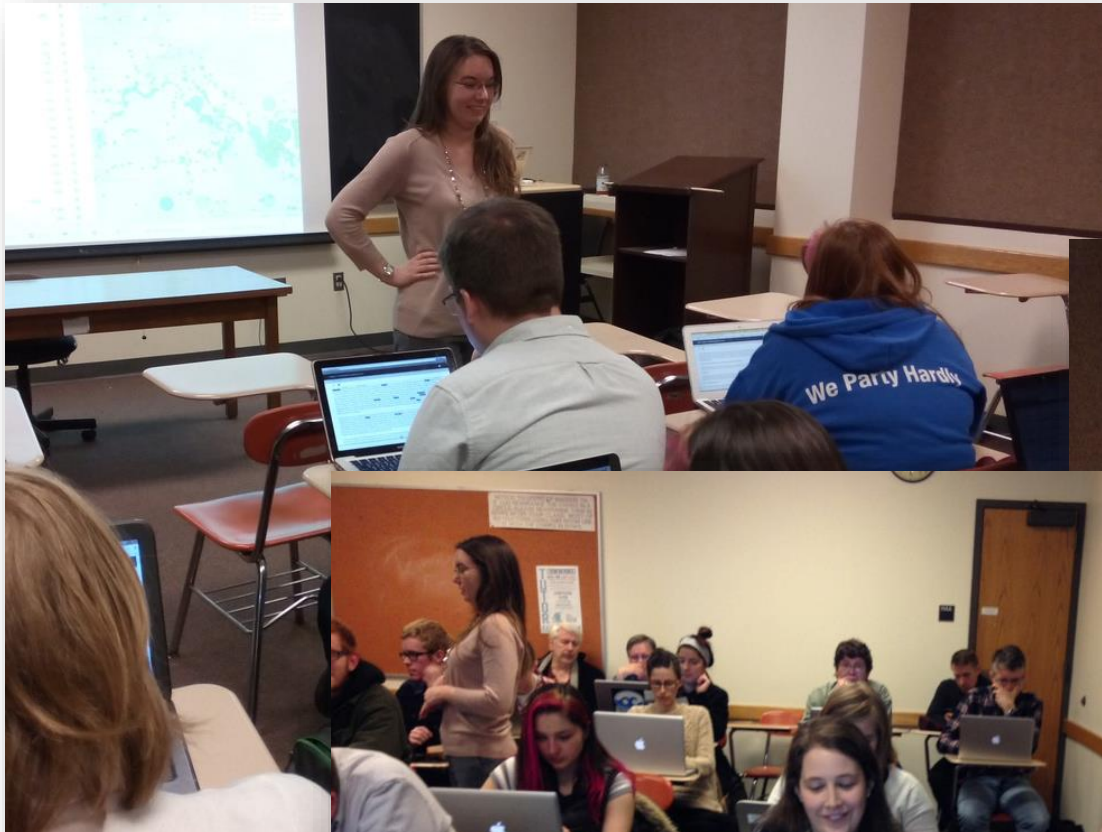
Comment:

River (capital F, lowercase L)

✓ OK

⊗ Cancel

✗ Delete Annotation



Some Background & History (2)



- Pelagios received phase 2 funding (2yrs) 2016/2017
 - One aspect: establish an open “Recogito-like” annotation platform as a service
 - Open Source, for alternative self-installation
- Development of **Recogito 2**
 - ~1 PY for a full re-design
 - Official launch in December 2016
 - Operated & maintained (but not extended) for 1 year
- Pelagios received phase 3 funding (2yrs) 2018/2019
 - Less development time scheduled, but
 - Detailed development roadmap until end of 2019

Recogito Demo



<http://recogito.pelagios.org>



Some Background & History (3)



Recogito nu

974K

Annotaties

866

Wijzigingen 24 uur

1,834

Gebruikers

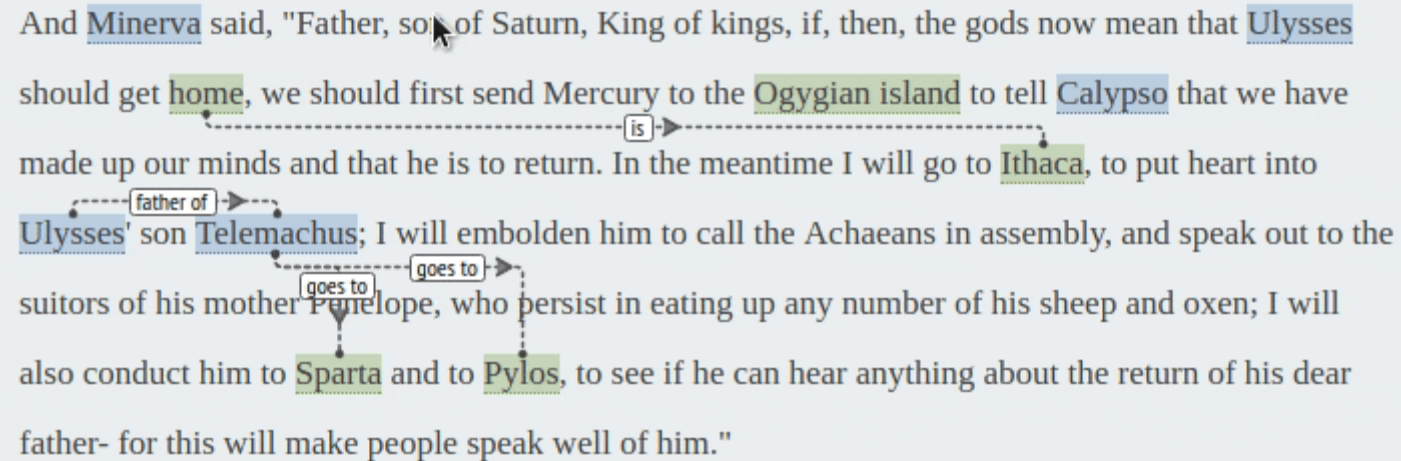
Now running since >1.5years

Some recent additions...

- Support for TEI Import/Annotation/Export
- Import from (some...) IIF Sources
- Named Entity Recognition for TEI Texts
- Relationship annotation

Relationships

And Minerva said, "Father, son of Saturn, King of kings, if, then, the gods now mean that Ulysses should get home, we should first send Mercury to the Ogygian island to tell Calypso that we have made up our minds and that he is to return. In the meantime I will go to Ithaca, to put heart into Ulysses' son Telemachus; I will embolden him to call the Achaeans in assembly, and speak out to the suitors of his mother Penelope, who persist in eating up any number of his sheep and oxen; I will also conduct him to Sparta and to Pylos, to see if he can hear anything about the return of his dear father- for this will make people speak well of him."



Learn more...



The best way to learn about Recognito is to try it!

- 10 minute tutorial: <http://recognito.pelagios.org/help/tutorial>
- Tutorial in Dutch: <http://recognito.pelagios.org/help/nl/tutorial>
- Source code & self-installation: <http://github.com/pelagios/recognito2>

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@Pelagiosproject

<http://commons.pelagios.org>

<http://recogito.pelagios.org>

<http://peripleo.pelagios.org>

