GODOT

Graph of Dated Objects and Texts

(Building a Chronological Gazetteer for Antiquity)

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GODOT - features

- is both a chronological gazetteer and a research infrastructure (searching & browsing)
- provides stable, citable URIs for instances of dates in major ancient calendar systems
- enables links between data from various data sources
- focus on dates given in multiple calendars (double dates) and synchronisms between different ancient calendar systems
- date conversions into Julian calendar & between different calendar systems
- public API
- (web annotations as community building feature: discuss/comment chronology & calendar conversions online)

GODOT - Graph of Dated Objects and Texts

	search	granularity	periods	criteria
EDCS	no			
HE	no*			
PHI	no*			
RIB	no*			yes
MAMA	browse	year	centuries	
Ubi erat lupa	yes (periods)	periods	historic	yes
EDB	yes	year	centuries	
EDH	yes	day	historic	
EDR	yes	day	historic	yes
IAph/IRT	yes	year	centuries	yes
Petrae	yes	year		
LSA	yes	year		

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CALENDAR

Search or convert

About

EGYPTIAN YEAR

List all periods

List all dynasties

List all rulers

List all regnal years

List all calendar years

List all indiction years (P)

List all indiction years (T)

List all era years

OTHER

List all consular years

List all centuries

List all new moons

Calendar

Currently **1643625** days from 3000 BC to AD 1000, 23424 date ranges, and 681044 dates connected to 675917 Trismegistos Texts.

<div align="center">

A calendrical database
by
Trismegistos

Based on the calendar work of Sofie Remijsen.

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Data processing: Sofie Remijsen, Mark Depauw
Database structure (Filemaker 14): Mark Depauw
Online version (PHP & MySQL): Mark Depauw

GODOT - **G**raph **of D**ated **O**bjects and **T**exts

```
{
  "@context": "http://www.w3.org/ns/anno.jsonld",
  "id": "http://edh-www.adw.uni-heidelberg.de/anno23",
  "type": "Annotation",

  "body": "http://godot.date/id/45jh58fw",

  "target": "http://edh-www.adw.uni-heidelberg.de/edh/inschrift/HD072500"
}
```

```json
{
  "@context": "http://www.w3.org/ns/anno.jsonld",
  "id": "http://edh-www.adw.uni-heidelberg.de/anno23",
  "type": "Annotation",
  "body": "http://godot.date/id/45jh58fw",
  "target": {
    "source": "http://edh-www.adw.uni-heidelberg.de/edh/inschrift/HD072500.xml",
    "selector": {
      "type": "XPathSelector",
      "value": "//text/body/div/ab/lb[1]"
    }
  }
}
```

```json
{
  "@context": "http://www.w3.org/ns/anno.jsonld",
  "id": "http://edh-www.adw.uni-heidelberg.de/anno23",
  "type": "Annotation",
  "body": "http://godot.date/id/45jh58fw",
  "target": {
    "source": "http://edh-www.adw.uni-heidelberg.de/edh/inschrift/HD072500.xml",
    "selector": {
      "type": "RangeSelector",
      "startSelector": {
        "type": "XPathSelector",
        "value": "//text/body/div/ab/lb[1]"
      },
      "endSelector": {
        "type": "XPathSelector",
        "value": "//text/body/div/ab/lb[2]"
      }
    }
  }
}
```

GODOT - **Graph of Dated Objects and Texts**

Result for:

Calendar type: Egyptian Calendar (Roman Period)
Reign: Hadrian
Regnal Year: 15

Year 15 of Hadrian, day 11 of Xoiak (GODOT-ID: http://godot.date/id/6dfg87df)

Julian Date: 7.12.130 AD

Calendar type: Egyptian Calendar (Roman Period)

Origin: Bernand: Inscriptions grecques et latines du Colosse de Memnon No. 34
(http://epigraphy.packhum.org/text/227955?bookid=386&location=9)

... δράτου καὶ Πτολεμαίου, ἔτει ιε' Ἀδριανοῦ Καίσαρος τοῦ κυρίου, ια' Χοίακ...

Year 15 of Hadrian, day 6 of Xoiak (GODOT-ID: http://godot.date/id/74ik7jjh5)

Julian Date: 2.12.130 AD

Calendar type: Egyptian Calendar (Roman Period)

Origin: P.Oslo III 92 (http://papyri.info/ddbdp/p.oslo;3;92)

...(ἔτους) ιε Αὐτοκράτορος Καίσαρος Τραι(*)ανοῦ Ἀδριανοῦ Σεβαστοῦ Χοίαχ ς...

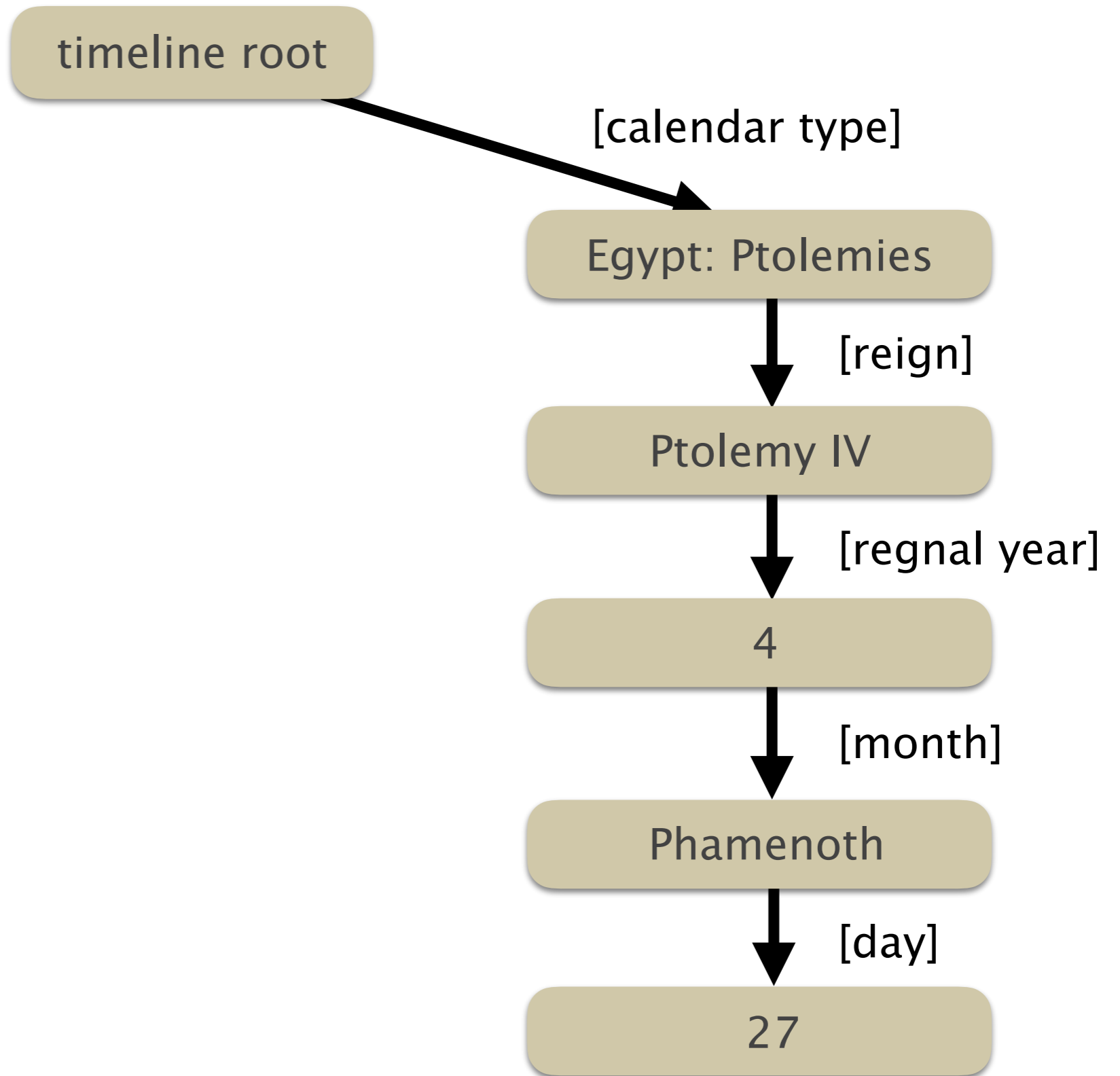GODOT - Graph of Dated Objects and Texts
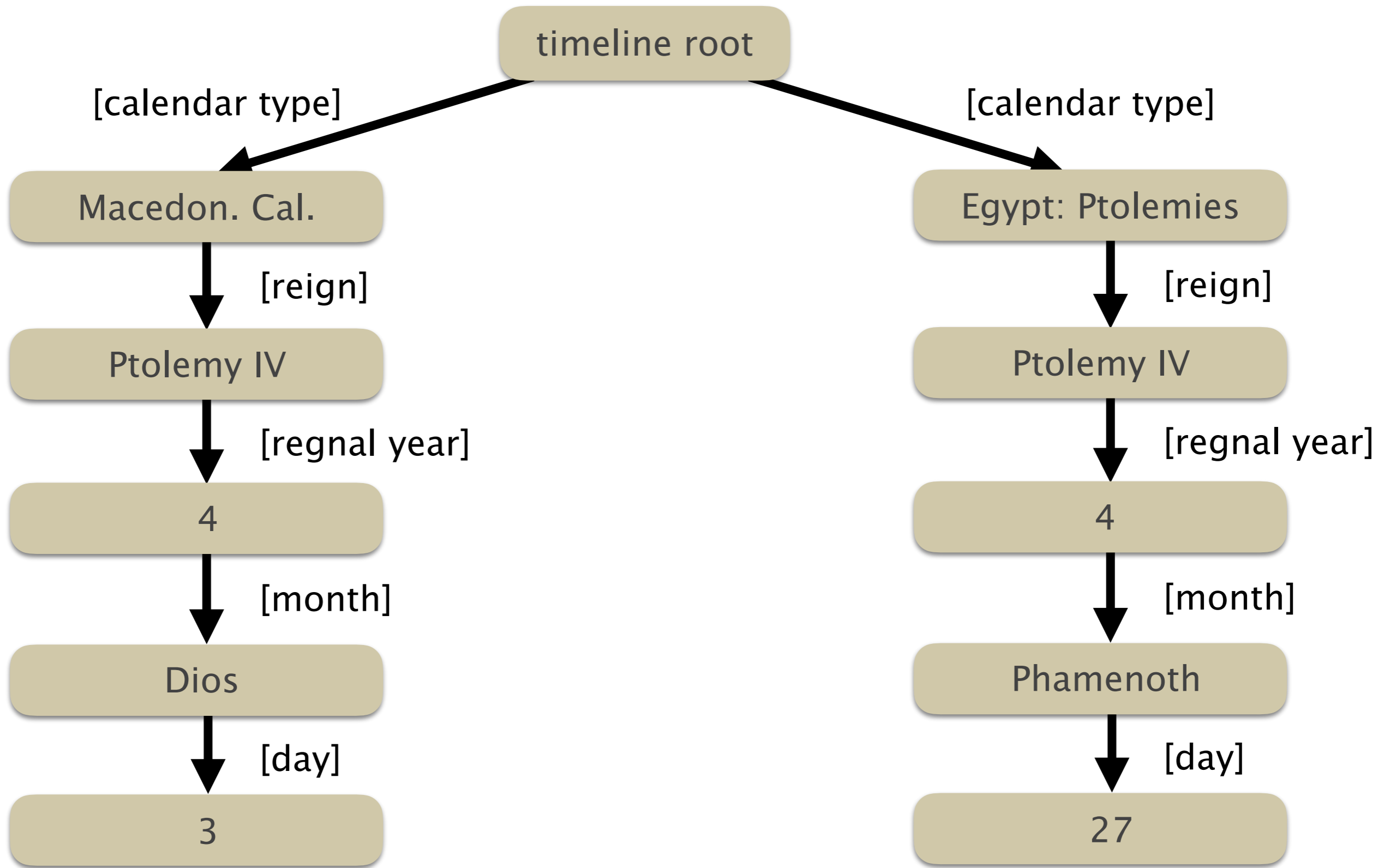
GODOT - data sources

- inscriptions:
  - EAGLE network (EDB, EDR, EDH, etc.)
- papyri/ostraca
  - papyri.info (Heidelberger Gesamtverzeichnis)
- coins
  - nomisma.org datasets
- literary texts
  - Perseus Digital Library (Herodot, Thukydides, etc.)
- other digital projects like
  - Digital marmor parium (Leipzig)
- egyptology
  - Thesaurus Linguae Aegyptiae
  - RAMSES
  - Elephantine Project Berlin
- cuneiform studies
  - Cuneiform Digital Library Initiative (CDLI)
  - Munich Open-access Cuneiform Corpus Initiative (MOCCI)

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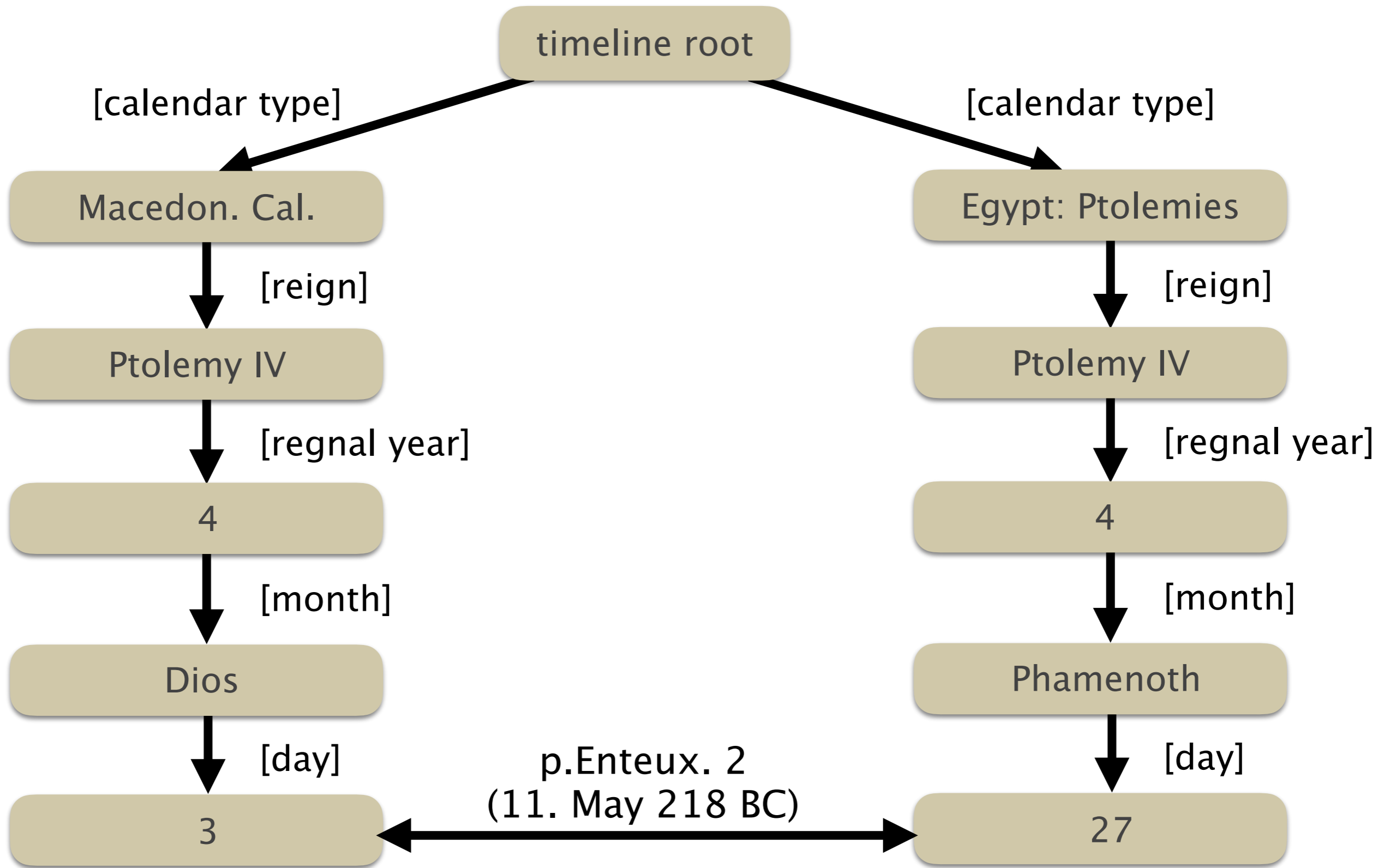
timeline root

GODOT - **G**raph **of** **D**ated **O**bjects and **T**exts

timeline root

[calendar type]

Egypt: Ptolemies

[reign]

Ptolemy IV

[regnal year]

4

[month]

Phamenoth

[day]

27

GODOT - Graph of Dated Objects and Texts

GODOT - **G**raph **o**f **D**ated **O**bjects and **T**exts

timeline root

[calendar type] → Macedon. Cal.

[calendar type] → Egypt: Ptolemies

Macedon. Cal. [reign] → Ptolemy IV

Egypt: Ptolemies [reign] → Ptolemy IV

Ptolemy IV [regnal year] → 4

Ptolemy IV [regnal year] → 4

4 [month] → Dios

4 [month] → Phamenoth

Dios [day] → 3

Phamenoth [day] → 27

p.Enteux. 2
(11. May 218 BC)

GODOT - Graph of Dated Objects and Texts

GODOT - challenges

- vagueness/fuzzyness of dates/incomplete data
- What is a date? Or to be more precise: what is an instance of a date?
- RDF / JSON-LD und Time ontology (=> Calendar Ontology?)
- Creating a lively community around GODOT? (if & how)

GODOT - Graph of Dated Objects and Texts

GODOT website: http://godot.date

GODOT

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- Get GODOT-ID
- Browse data
- About
- Contact

GODOT

Graph of Dated Objects and Texts

What is GODOT?

The aim of this database system is to build a gazetteer of calendar days in different calendar systems used in the Greek and Roman antiquity all across the mediterranean sea. Like geographical gazetteers this can be used to provide unique identifiers for each day in any of the calendar systems that has been used to refer to an astronomical day in any ancient source, be it papyri, ostraca or inscriptions. As a result ancient sources referring to the same day can be linked together, queries for dates and date ranges against the graph will return a set of ancient objects and texts. Where a clear system of conversions between different calendar systems has been established, dates will be converted to Julian etc. dates. As more and more dates from antiquity are linked to the system, a complex graph of ancient dated objects and texts evolves.

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