

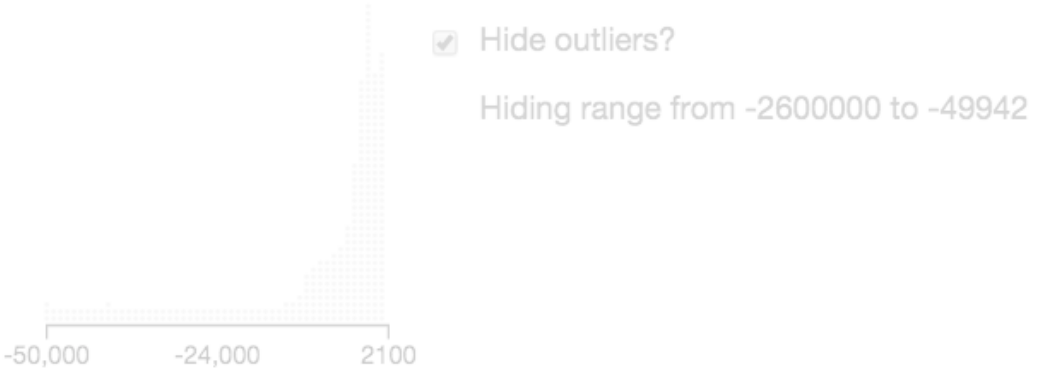
# Periods

Viewing 1 - 20 of 1791

▲ Label	Earliest start	Latest stop
2nd Millenium BCE	-2000	-1000
2nd Millennium BC Egypt (2000-1000 BC)	-2000	-1000
2nd Millennium BC Levant (2000-1000 BC)	-2000	-1000
3rd millennium BC	-3000	-2000
4th millenium BCE	-4000	-3000
13th Century AD Eastern Mediterranean (AD 1200-1300)	1200	1300
16th Century	1500	1600
17th Century	1600	1699
17th Century (1600 - 1699)	1600	1699
17th Century::1st half (1600 - 1649)	1600	1649
17th Century::1st quarter (1600 - 1624)	1600	1624
17th Century::2nd half (1650 - 1699)	1650	1699
17th Century::2nd quarter (1625 - 1649)	1625	1649
17th Century::2nd/3rd quarter (1625 - 1674)	1625	1674
17th Century::3rd quarter (1650 - 1674)	1650	1674
17th Century::4th quarter (1675 - 1699)	1675	1699

# Filters

## Time range



## Text

Match string

Source	Reset
52 David G. Anderson. Digital Index of North American Archaeology (DINAA). 2012.	
212 AIAC and L - P : Archaeology. FASTI - Home. 2004.	
116 Peter Bagnall. Pleiades: A community-built gazetteer and graph of ancient places. 2006.	
108 Andrea Berlin. The Levantine Ceramics Project. 2012.	
63 Gates, Charles, 1950-. Ancient cities : the archaeology of urban life in the Ancient Near East and Egypt, Greece and Rome. 2003.	
55 The Cambridge companion to the Aegean Bronze Age. 2008.	
Biikedienet voor het Cultureel Erfgoed. Het Archeologisch	

Language	Reset
1791 English	
53 Dutch	
44 Spanish	
32 Swedish	
31 Ukrainian	
22 Turkish	

Periodo

A gazetteer of period definitions for linking and visualizing data

# Goals

- Document **definitions** of historical period names, in a machine-friendly way
- Provide stable **identifiers** for period definitions so data curators can reference them unambiguously
- Provide **tools** to find and compare period definitions and to understand patterns of periodization

# Initial sources

- ARIADNE network
- British Museum
- German Archaeological Institute
- Archaeology Data Service (UK)
- English Heritage
- Hypermedia Research Unit at the University of South Wales
- Pleiades / Pelagios
- Fasti Online
- Archeolnf project
- University of Oxford's CLAROS project
- UCLA Encyclopedia of Egyptology
- Levantine Ceramics Project

# Data model

To be included in the gazetteer, a definition must

- give the period a **name**
- impose some **temporal bounds** on the period
- have some implicit or explicit association with a **geographical region**, and
- have been formally or informally published in some **citable source**.

# Periods are concepts

```
<p06v8w44jbs>  
  a skos:Concept ;  
  skos:prefLabel "Неоліт" ;  
  skos:altLabel "Neolithic"@eng-latn, "Неоліт"@ukr-cyrl .
```

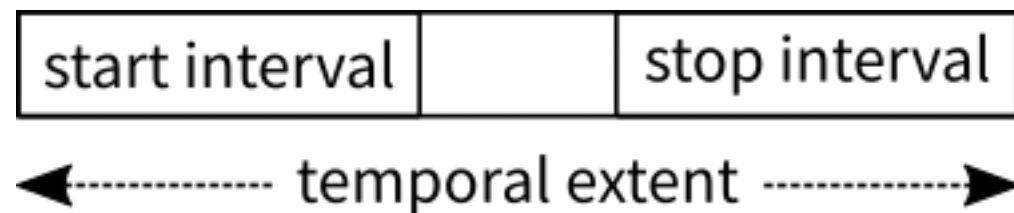
- **skos:prefLabel** is used for the name of the period exactly as given in the original source.
- **skos:altLabel** is used for language-specific names of the period, assigned by PeriodO curators.

# Periods are concepts

```
<p0kj6dj7pzf>
  a skos:Concept ;
  skos:prefLabel "proto-Armenian Satrapy of Greater Armenia" ;
  skos:altLabel "Median Monarchy"@eng-latn,
               "proto-Armenian Satrapy of Greater Armenia"@eng-latn ;
  skos:note "Kingdom was ruled by Romans between 17 A.D.–43 A.D." ;
  skos:editorialNote "Deleted Kingdom of Commagene (163 B.C.–72 A.D.) on 10/
20/14 due to problem with this end-date. Found these from the index entry for
Armenia." .
```

- **skos:note** is used for notes about the period definition that appeared in the original source.
- **skos:editorialNote** is used for administrative or editorial notes added by the PeriodO curators.

# Temporal extent



```
<p0jtbzwhwbh>
  skos:prefLabel "Transitional (Philia Culture)" ;
  time:intervalStartedBy [
    skos:prefLabel "c. 2600/2500 BCE" ;
    time:hasDateTimeDescription [
      periodo:earliestYear "-2599"^^xsd:gYear ;
      periodo:latestYear "-2499"^^xsd:gYear
    ]
  ] ;
  time:intervalFinishedBy [
    skos:prefLabel "2300 BCE" ;
    time:hasDateTimeDescription [
      time:year "-2299"^^xsd:gYear
    ]
  ]
] .|
```

- `skos:prefLabel` is used to textually describe the interval exactly as given in the original source
- `time:hasDateTimeDescription` is used to describe the interval in a more structured fashion

# Spatial extent

<p03wskd29mn>

```
skos:prefLabel "Urartian Eastern Anatolia (900–600 BC)" ;  
periodo:spatialCoverageDescription "Eastern Anatolia" ;  
dcterm:spatial <http://dbpedia.org/resource/Armenia>,  
               <http://dbpedia.org/resource/Turkey> .
```

- **periodo:spatialCoverageDescription** is used to textually describe the spatial extent exactly as given in the original source
- **dcterm:spatial** is used to link a period definition to descriptions of locations in gazetteers



# Source

```
<p0rqpwq4pr>  
  skos:prefLabel "Deuxième époque" ;  
  skos:inScheme <p0rqpwq> .  
  
<p0rqpwq>  
  a skos:ConceptScheme ;  
  dcterms:source [  
    dcterms:isPartOf <http://www.worldcat.org/oclc/60543214> ;  
    bibo:locator "page 137"  
  ] .  
  
<http://www.worldcat.org/oclc/60543214>  
  dcterms:creator <http://viaf.org/viaf/22159335> ;  
  dcterms:issued "2004"^^xsd:gYear ;  
  dcterms:title "Le tophet de Salammbô à Carthage : essai de reconstitution" .  
  
<http://viaf.org/viaf/22159335>  
  foaf:name "Bénichou, Hélène." .
```

# The PeriodO client

<http://n2t.net/ark:/99152/p0>

PeriodO

Current backend: web [\[switch\]](#)

[Sign in](#)

Menu ▾

Browse by:

Period

[Collection](#)

## Periods

Viewing 1 - 20 of 1791

Previous

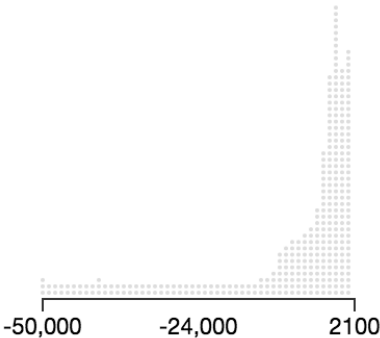
123...8990

Next

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13th Century AD Eastern Mediterranean (AD 1200-1300)	1200	1300
16th Century	1500	1600
17th Century	1600	1700

## Filters

### Time range



☒ Hide outliers?  
Hiding range from -2600000 to -49942

### Text

Match string

Source

[Reset](#)

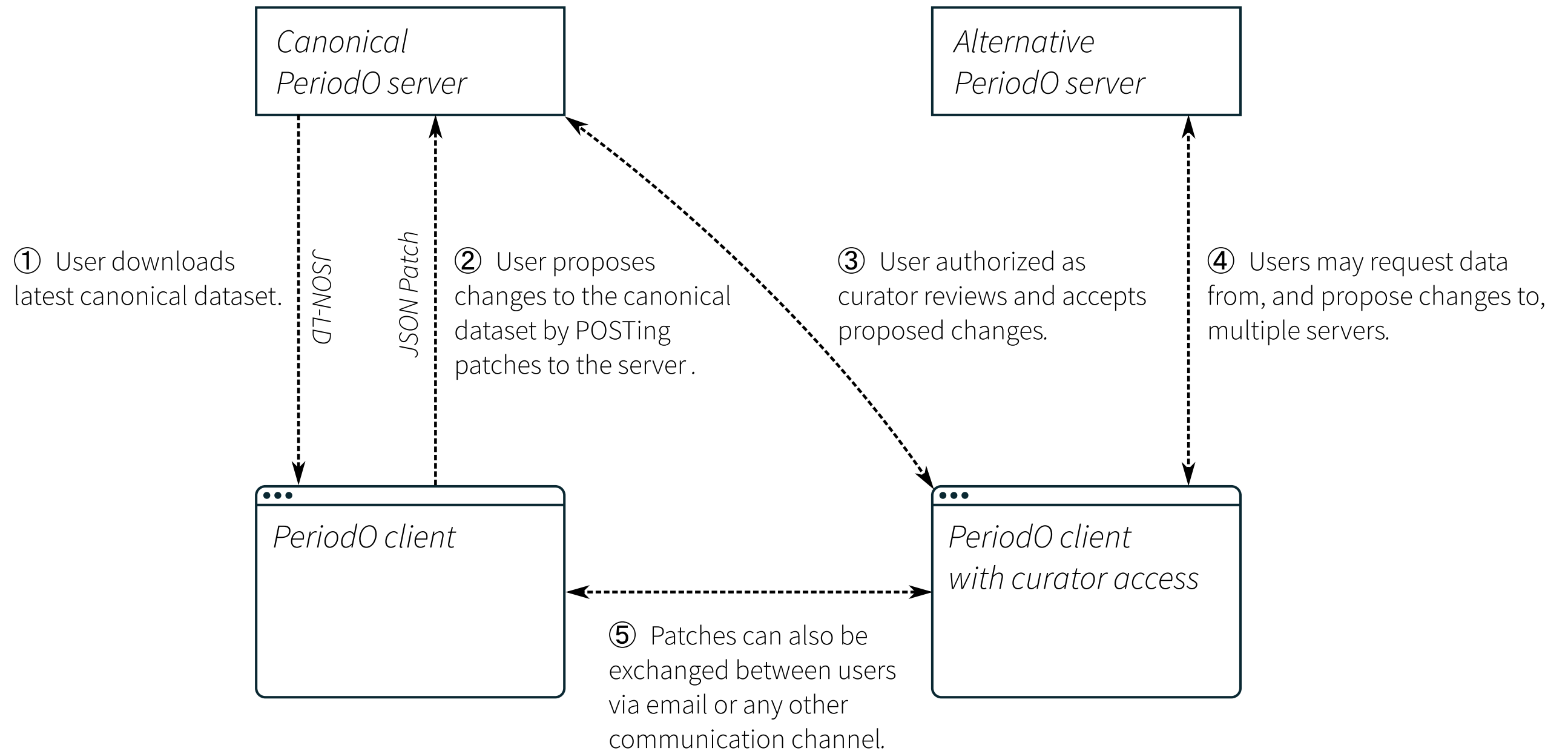
522

[David G. Anderson. Digital Index of North American Archaeology \(DINAA\). 2012.](#)

212

[AIAC and L - P : Archaeology. FASTI - Home. 2004.](#)

# Workflow



Periods

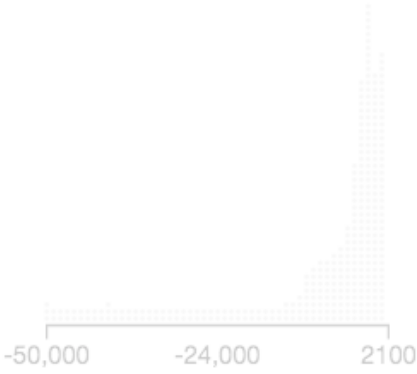
Viewing 1 - 20 of 1791

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Filters

Time range



☒ Hide outliers?  
Hiding range from -2600000 to -49942

Thanks!

<http://perio.do>

<https://github.com/periodo>

@perio\_do

ryanshaw@unc.edu

Text  
Match string

Source	Reset
22 David G. Anderson. Digital Index of North American Archaeology (DINAA). 2012.	
12 AIAC and L - P : Archaeology. FASTI - Home. 2004.	
16 Roger Bagnall. Pleiades: A community-built gazetteer and place names. 2006.	
18 Andrea Berlin. The Levantine Ceramics Project. 2012.	
63 Gates, Charles, 1950-. Ancient cities : the archaeology of urban life in the Ancient Near East and Egypt, Greece and Rome. 2003.	
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# JSON-LD serialization

```
{ "@context": { JSON-LD context elided },  
  "id": "p0d/#periodCollections",  
  "type": "rdf:Bag"  
  "periodCollections": {  
    other period collections elided
```

```
    "p0fh3zc": { period collection  
      "id": "p0fh3zc",  
      "type": "PeriodCollection"  
      "source": {  
        "title": "The Celts in Iberia: An Overview",  
        "creators": [  
          { "name": "Alberto J. Lorrio" },  
          { "name": "Gonzalo Ruiz Zapatero" } ],  
        "yearPublished": 2005,  
        "url": "http://www.uwm.edu/celtic/ekeltoi/volumes/vol6/6_4/lorrio_zapatero_6_4.html",  
      },  
      "definitions": {  
        other period definitions elided
```

```
        "p0fh3zcqs6h": { period definition  
          "id": "p0fh3zcqs6h",  
          "type": "PeriodDefinition",  
          "label": "Early Iron Age",  
          "originalLabel": { "eng-latn": "Early Iron Age" },  
          "spatialCoverage": [  
            { "id": "http://dbpedia.org/resource/Galicia_(Spain)",  
              "label": "Galicia" }  
          ],  
          "start": {  
            "in": { "year": "-0799" },  
            "label": "800 B.C."  
          },  
          "stop": {  
            "in": { "year": "-0399" },  
            "label": "400 B.C."  
          }  
        }  
      }  
    }  
  }  
}
```

```
}}}}}
```

# JSON Patch

```
[
  { "path": "/periodCollections/p0fh3zc/definitions/p0fh3zcqs6h/stop",
    "op": "add",
    "value": { "in": { "year": "-0449" }, "label": "450 B.C." }
  },
  { "path": "/periodCollections/p0fh3zc/definitions/p0fh3zcqs6h/editorialNote",
    "op": "add",
    "value": "The end of this period was incorrect due to a data entry error."
  }
]
```

# Identifiers

<http://n2t.net/ark:/99152/p0rqpwq4pr>

