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Trismegistos Data Services

Tom Gheldof, Frédéric Pietowski

► **To cite this version:**

Tom Gheldof, Frédéric Pietowski. Trismegistos Data Services: Digital tools for Ancient World LOD networks. Linked Pasts IV, Dec 2018, Mainz, Germany. , 2018. hal-01955745

HAL Id: hal-01955745

<https://hal.science/hal-01955745>

Submitted on 14 Dec 2018

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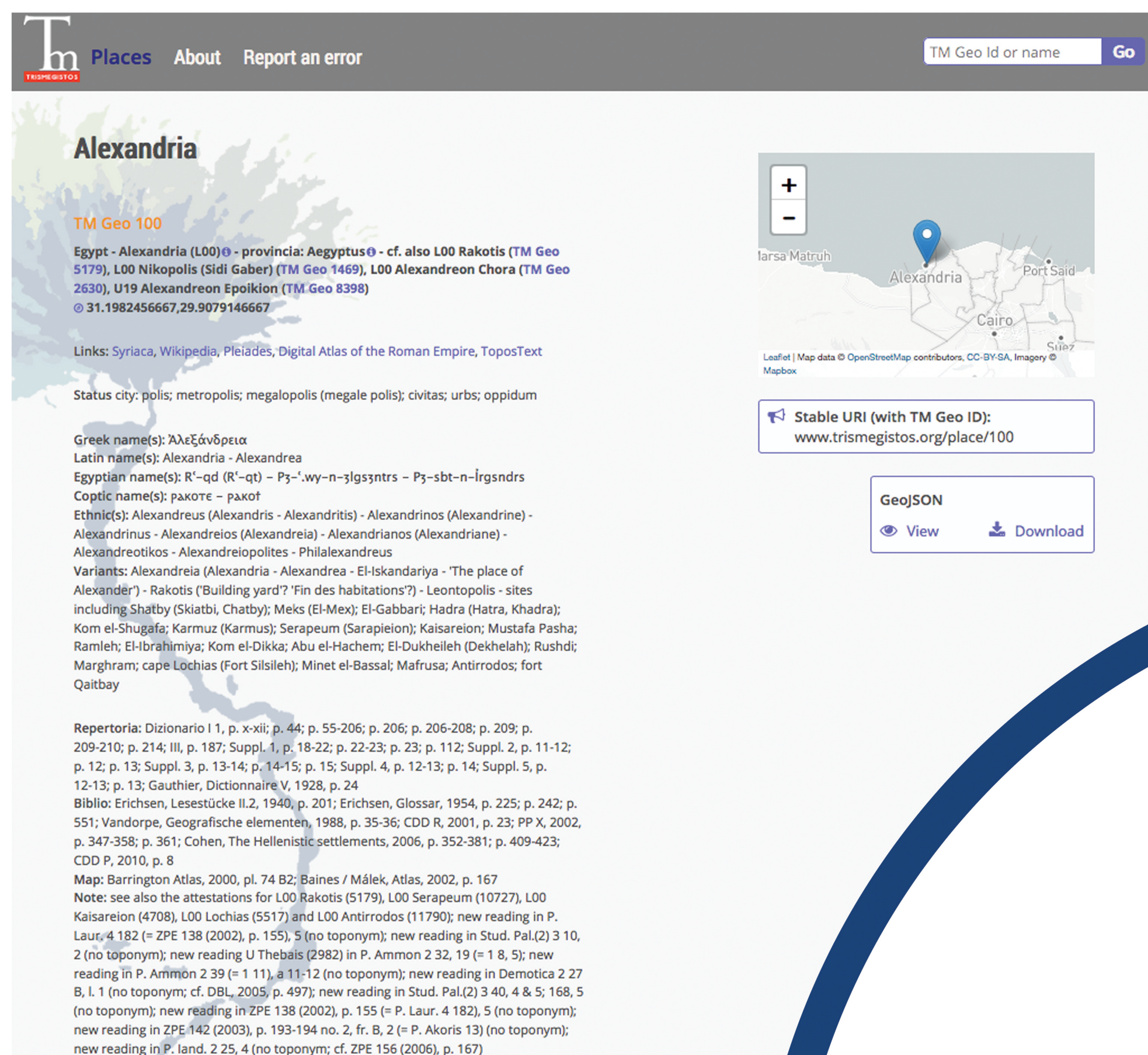
Trismegistos Data Services: Digital tools for Ancient World LOD networks

T. Gheldof & F. Pietowski (<https://www.trismegistos.org>)

KU LEUVEN

Trismegistos Places

Trismegistos (TM): interdisciplinary portal of papyrological and epigraphical resources from the Ancient World
 TM Places: gazetteer of 50,000+ ancient places
 URI: stable identifier for place name (TM Geo ID)
 LOD: variant names, coordinates, links, ...



TM Geo 100: Alexandria
 URI: <https://www.trismegistos.org/place/100>

GeoResponder

View and download a GeoJSON response for every TM Place name by using the GeoResponder endpoint and the TM Geo ID
 INPUT: stable URI (TM Geo ID)
 OUTPUT: standardized GeoJSON
 --> geometry, names, links, properties, ...

```
{
  "type": "Feature",
  "geometry": {
    "type": "Point",
    "coordinates": [
      29.97916667,
      31.198245667
    ]
  },
  "links": {
    "self": "https://www.trismegistos.org/place/100",
    "uri": "https://www.trismegistos.org/place/100",
    "id": "100",
    "name": {
      "greek": {
        "name": "Ἀλεξάνδρεια",
        "language": "200"
      },
      "coptic": {
        "name": "ⲡⲁⲕⲟⲩⲉ - ⲡⲁⲕⲟⲩ",
        "language": "010"
      },
      "latin": {
        "name": "Alexandria - Alexandria",
        "language": "215"
      }
    },
    "broad matches": [],
    "close matches": {
      "Syriaca": [
        {
          "uri": "http://syriaca.org/place/572"
        }
      ],
      "Wikipedia": [
        {
          "uri": "https://en.wikipedia.org/wiki/Alexandria"
        }
      ],
      "Pleiades": [
        {
          "uri": "https://pleiades.stoa.org/places/727070"
        }
      ],
      "Digital Atlas of the Roman Empire": [
        {
          "uri": "http://dare.ht.lu.se/places/15898"
        }
      ],
      "TopoText": [
        {
          "uri": "http://topotext.org/place/3122999a1e"
        }
      ]
    },
    "exact matches": []
  },
  "properties": {
    "status": "city polis; metropolis; megalopolis (megale polis); civitas; urbs; oppidum",
    "country": "Egypt",
    "geoname": "691184"
  }
}
```

Endpoint TM Geo 100: <https://www.trismegistos.org/dataservices/georesponder/georesponder.php?id=100>

Endpoint TM GeoRelations 100: [https://www.trismegistos.org/dataservices/georelations/\(or URI/or XML\)/100](https://www.trismegistos.org/dataservices/georelations/(or URI/or XML)/100)

```
<?xml version="1.0" encoding="UTF-8" ?>
<TM_Geo>
  <TM_Geo ID="100" URI="https://www.trismegistos.org/place/100" />
  <Syriaca URI="http://syriaca.org/place/572" />
  <Wikipedia URI="https://en.wikipedia.org/wiki/Alexandria" />
  <Pleiades URI="https://pleiades.stoa.org/places/727070" />
  <Geonames URI="https://www.geonames.org/691184" />
  <TopoText URI="http://topotext.org/place/3122999a1e" />
  <DARE URI="http://dare.ht.lu.se/places/15898" />
  <Lexicon_Leponticum URI="http://www.lexicon-leponticum.org/entry/100" />
  <Livius URI="http://www.livius.org/peoples/places/places/100" />
  <FayumFap URI="http://www.fayumfap.org/place/100" />
  <WikiVoyage URI="http://www.wikivoyage.org/Alexandria" />
  <Roman_Britain URI="http://www.roman-britain.ac.uk/places/100" />
  <VCEI URI="http://www.vcei.org/places/100" />
  <RFO URI="http://www.rfo.org/places/100" />
  <Encyclopedia_Iranica URI="http://www.iranicaonline.org/articles/alexandria" />
  <TopoText URI="http://topotext.org/place/3122999a1e" />
</TM_Geo>
```

Search 20+ projects & find related data about places
 OUTPUT: in JSON (ID), JSON (URI) & XML format
 INPUT: TM GEO ID (M); project (O) with 30,000+ links

Trismegistos GeoRelations API connects TM Places to related information from different partner projects

GeoRelations Matcher

Why use TM Linked Open Data?

Curated & up to date, fast development, customizable APIs, ...
 Available in different formats (also TM Geo CSV & JSON dumpfiles + GeoRDF & RDF-extended) to match and/or link to TM Data
<https://www.trismegistos.org/dataservices>



Endpoint TM TextRelations 226264: [https://www.trismegistos.org/dataservices/textrelations/\(or URI/or XML\)/226264](https://www.trismegistos.org/dataservices/textrelations/(or URI/or XML)/226264)

```
<?xml version="1.0" encoding="UTF-8" ?>
<TM_Text>
  <TM_Text ID="226264" URI="https://www.trismegistos.org/text/226264" />
  <EDH URI="https://www.edh.net/urn:nbn:de:hbz:5:1-63888-p0011-7-000000000000" />
  <EDCS URI="https://www.edcs.eu/epigraphic_text_id_en.php?text_id=EDCS-34900793" />
  <Pleiades URI="https://pleiades.stoa.org/places/727070" />
  <Geonames URI="https://www.geonames.org/691184" />
  <TopoText URI="http://topotext.org/place/3122999a1e" />
  <DARE URI="http://dare.ht.lu.se/places/15898" />
  <Lexicon_Leponticum URI="http://www.lexicon-leponticum.org/entry/100" />
  <Livius URI="http://www.livius.org/peoples/places/places/100" />
  <FayumFap URI="http://www.fayumfap.org/place/100" />
  <WikiVoyage URI="http://www.wikivoyage.org/Alexandria" />
  <Roman_Britain URI="http://www.roman-britain.ac.uk/places/100" />
  <VCEI URI="http://www.vcei.org/places/100" />
  <RFO URI="http://www.rfo.org/places/100" />
  <Encyclopedia_Iranica URI="http://www.iranicaonline.org/articles/alexandria" />
  <TopoText URI="http://topotext.org/place/3122999a1e" />
</TM_Text>
```

Search 75+ projects & find related data about texts
 OUTPUT: in JSON (ID), JSON (URI) & XML format
 INPUT: TM ID (M); project (O) with 1,000,000+ links

Trismegistos TexRelations API connects TM Texts to related information from different partner projects

TexRelations Matcher

TM pilot project



Ancient World Networks
 Linked Data
 Open License
<http://be.dariah.eu/>

