

Petrus (Piet) J. Gerrits

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EDUCATION

2020-Present Geospatial Data Science, PhD Candidate, University of Glasgow, Glasgow.
2015-2018 Archaeology and History of Arts, Master, Koç University, Istanbul 3.97/4.0.
2013-2014 GPA National GIS minor, at Vrije Universiteit and Wageningen University.
2011-2015 Vrije Universiteit, Bachelor Archaeology, Amsterdam. (2.1/Upper Second)
2010-2011 Bachelor Earth sciences and Economics, Vrije Universiteit, Amsterdam.

WORK EXPERIENCE

2017 – Present Geospatial Researcher and Research Fellow in the ERC funded [*Urban Occupations in the Ottoman Empire and Turkish Republic Project*](#) at Koç University, Istanbul. Description: Spatial Database Manager, Data Analysis/Visualisation and training fellow project members in the use of Geospatial Applications.

February/March 2019 WALADU Survey Project: Archaeological Survey in Iraq, Najaf. Description: Capacity building project, teaching archaeological methods to students of University of Kufa.

August 2017 Cambridge University, Internship at [*The Cambridge Group for the History of Population & Social Structure*](#). Description: Developing multi-modal networks and network analyses related to historical data sources.

2014/2015/2016 (Summer Season) Barcin Höyük Excavation, Yenişehir, Turkey. Description: GIS and database Management & Analysis, digitizing archaeological drawings, Trench Supervisor

2014 Internship [*SPINLab*](#), Vrije Universiteit, Advisor; M. de Kleijn (Part of National GI minor)
Description: Archaeological databases and GIS software: Combining digital data and the database of the Barcin Höyük excavation.

2012 VU Amsterdam, Veldhoven, Zilverackers: Fieldwork internship and course.
Directors: A. van Hilst and J. Aarts.

PUBLICATIONS

2019 Kabadayi, [Gerrits](#), Koçak, Özkan, ‘A Geo-Spatial, Multi-Modal Ottoman Transport Network in 1899,’ in Chris Roosevelt ed., 12th *Koç University, Research Center for Anatolian Civilizations International Annual Symposium: [Spatial Webs Proceedings](#)*, Istanbul, 2018.

2020 (forthcoming) Kabadayi, [Gerrits](#), Boykov, [*Bridging the gap between pre-census and census era historical data: Devising a geo-sampling model to analyse agricultural production in the long-run for Southeast Europe and Anatolia*](#). *UCGIS symposium 2019 Conference Proceedings. International Journal of Humanities and Arts Computing (IJHAC)*, 2020

2019 (forthcoming) Gerritsen, Özbal, [Gerrits](#), A Red Floor at Neolithic Barcin Höyük: Special or Not?

TEACHING EXPERIENCE

- September 2019 Guest Lecturer, [Material and Textual Evidence on Late Antique and Byzantine Urban Studies / ARHA 526](#), Description: MA course on the use of GIS and Story Maps to present academic work interactively online.
- August 2018 Lecturer [WALADU Summer school](#), Description: teaching an introduction to GIS for archaeology course (Two-day course, part of a two week summer school).
- August 2018 Co-Lecturer [KAVALA Summer school](#): Digital Explorations into the Entangled Eastern Mediterranean History. Description: One week training in digital and spatial applications for History and Archaeology (B.A. and M.A.) students.
- 2015 - 2018 Teaching and Research assistant at Koç University (for Prof. Roosevelt and Prof. Özbal).
Teaching experience: Geographic Information Systems (GIS)/ARHA 467-567 (Teaching and Grading), Archaeological Method and Theory / ARHA 201.
Research Assistant experience: Barçın Höyük Archaeological Information System development.

CONFERENCES

- September 2019 Gerrits, [ENCHOS III - Workshop, Automatic feature extraction and geographical information retrieval from historical maps](#), Istanbul 2019.
- September 2019 Kabadayı, Gerrits, [ENCHOS III - Workshop Comparing changes in composition of agricultural produce in two regions of Bulgaria, 1840-1897 using a GIS-sampling model](#), Istanbul 2019.
- September 2019 Gerrits, Alvarez-Palau, [ENCHOS III - Workshop, A geo-spatial multi-modal transport network for Southeast Europe in the late 19th century](#), Istanbul 2019.
- July 2019 Kabadayı, Gerrits, Digital Humanities 2019: "Complexities". Poster: [A Geo-Sampling Model to Analyse Micro Level Historical Agricultural Production Data for Mid-19th Century Southeast European and Anatolian Regions](#). Utrecht, 2019.
- June 2019 Kabadayı, Gerrits, Boykov, UCGIS 2019 Symposium. Presenter: The Geospatial Humanities: Transdisciplinary Opportunities for the GIScience Community. [Bridging the gap between pre-census and census era historical data: Devising a geo-sampling model to analyse agricultural production in the long-run for Southeast Europe and Anatolia](#). Washington, 2019.
- March 2019 Kabadayı, Gerrits, Maps in Libraries. First International GeoPortOst Workshop. Leibniz-Institute for East and Southeast European Studies (IOS), [Geo-Spatial-Mining of Historical Maps and Texts: Comparing 16th c. Ottoman military logistics with 19th c. transport infrastructure in Southeast Europe](#), Regensburg, 2019.

- April 2018 Gerrits, Özkan, Çetin, ‘Comparing Transport Networks, Geographies of Political and Economic Organisation in England/Wales, France and in the Ottoman Empire 1600-1900. ESSHC [Development of maritime trade networks in the Eastern Mediterranean and their hinterlands](#), Belfast, 2018.
- November 2017 Kabadayi, Gerrits, Koçak, Özkan, Spatial webs. Koç University, Research Center for Anatolian Civilizations International Annual Symposium: [A Geo-Spatial, Multi-Modal Ottoman Transport Network in 1899](#). Istanbul, 2017.
- September 2017 Gerrits P. Geographic Information Systems (GIS) as an opportunity and a challenge for digital history. Herder Institute, [Mapping and Geo-Spatially Analyzing Economic and Population Geography of mid-nineteenth century Bursa](#). Marburg, 2017.
- May 2017 Gerrits, P. Brave New Worlds: Digital Technologies & the Study of the Past in Anatolia, the Mediterranean, and the Near East. Koç University Graduate Symposium. [Usage of GIS in Neolithic Anatolia: An intra-settlement analysis of use and abandonment phases at Barcin Höyük](#). Istanbul, 2017.
- December 2016 Gerrits, P. Barcin Höyük excavation symposium. *Overview of the Barcin Höyük AIS (Archaeological Information System; contributions from 2013 to 2016)*. Istanbul, 2016.

AWARDS

- July 2019 ADHO Early Career Scholar Bursary, Digital Humanities Conference 2019, Utrecht University
- April 2018 Travel Bursary, Computer Applications and Quantitative Methods in Archaeology (CAA) international conference 2018, University of Tübingen
- September 2015-2018 Koç University MA Scholarship program (tuition fees and stipend)

MEMBERSHIPS

- 2019-Present Member, Association for Computers and Humanities (*ACH*)
- 2017 - Present Member, *European Archaeology Association* (EAA)
- 2017 - Present Member, *Computer Applications and Quantitative Methods in Archaeology* (CAA)

LANGUAGES

Dutch [Native]; *English* [working proficiency]; *Turkish* [Upper intermediate]; *German* [Upper Intermediate]; *French* [Intermediate]

SOFTWARE AND PROGRAMMING LANGUAGES

Microsoft Access and Office package [Excellent]; ArcGIS for Desktop (ArcMap and ArcGIS Pro) [Excellent]; QGIS [Excellent]; Postgresql and POSTGIS extension; Agisoft Photoscan [Good]; Python [Good]; JAVA [Fair]; JavaScript, [Good]; SQL [Good].