

PERSONAL INFORMATION

Barend Köbben



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Sex Male | Date of birth 04 August 1964 | Nationality Dutch

POSITION

Senior Lecturer / Researcher

WORK EXPERIENCE

1997 – present

Senior Lecturer / Researcher

University of Twente, ITC – Faculty of Geo-information Science and Earth Observation

- Initiation, development, coordination and execution of courses in the BSc Honours programme at the University College Twente, ATLAS (honours bachelor Technology and Liberal Arts & Sciences);
- Initiation, development and execution of courses in the MSc programmes at the Faculty ITC, M-GEO (master of Geo-Information Science and Earth Observation) and M-SE (Spatial Engineering);
- Execution of courses in the joint MSc programme of the Universities of Twente, Wageningen, Utrecht and Delft, GIMA (master of Geo-Information Management and Applications);
- Supervision of Bachelor Capstone projects in the ATLAS programme;
- Supervision of MSc theses in the M-GEO, M-SE, GIMA programmes mentioned above, as well as in the Cartography MSc programme, a joint Erasmus Mundus master of the Technical Universities of Twente, Vienna, Dresden and Munich;
- Initiation, coordination and execution of various other short courses (tailor-made) and electives at and/or for the Faculty ITC;
- Teaching subjects in all courses mentioned above include Cartography, Data Visualisation, Web Application development, Geo-webservices, WebGIS and WebCartography and 3D geo-visualisation;
- Researcher in Research Theme STAMP (Spatio-Temporal Analytics, Maps and Processing).

Business or sector Higher Education

1989 – 1997

University Lecturer

University of Utrecht, Faculty of Geographical Sciences

- Teaching, research and consultancy in the Cartography department, and its MSc specialisation.

Business or sector Higher Education

EDUCATION AND TRAINING

1982 – 1988

MSc (Doctorandus) in Human Geography, specialisation Cartography

Utrecht University (The Netherlands)

- Major (MSc specialisation) in Cartography
- Minor in Historical Geography
- Minor in Computers & Data Processing (Faculty of Math & Computer Science)

1976 – 1982

Gymnasium

- Stedelijk Gymnasium Leiden (The Netherlands): Dutch, English, French, Latin, History, Geography and Math I

PERSONAL SKILLS

Mother tongue(s) Dutch

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
	University of Twente TCP English Language Class Assessment (for speaking part)				
German	C1	C1	B1	B1	A2
French	B1	B2	A1	A1	A1

Communication skills ▪ good communication skills gained through my experience as lecturer and thesis supervisor.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient User	Proficient User	Proficient User	Proficient User	Proficient User

Computer skills: I have a good command (through experience as a user, developer and teacher) of:

- Data Visualisation programming: JavaScript (D3, Cesium), HTML, SVG
- Data Visualisation software: Illustrator, Inkscape, Photoshop, etc.
- (Web) application building: Geo-Web application development using HTML5, JavaScript (OpenLayers), Java, JSP, Python and ASP.
- Geo-webservices: OpenGIS standards and applications (WMS, WFS, SLD, etc), as used in Open Source server and client software such as MapServer, PostgreSQL/PostGIS, Geoserver, etc.
- Geographic Information Systems: QGIS, ArcGIS, etc.
- Database use and administration: PostgreSQL/PostGIS
- Systems & Networking: Mac OSX, Windows Server, Microsoft IIS, Apache Webserver & Tomcat, WWW-, FTP-, Email- and CGI applications

Driving licence B/E

ADDITIONAL INFORMATION

Publications Selection of publications (for complete listing see <http://barendkobben.com/?menu=2>):

- Barend Köbben (2017). *GML2GEOJSON: Python Middleware Services for a Web Atlas Integrated in a Spatial Data Infrastructure*. Journal of GeoPython, 2 : pp. 7—10.
- Serena Coetzee, Stefan Steiniger, Barend Köbben, et al. (2017). *The Academic SDI – Towards understanding spatial data infrastructures for research and education*. In: Advances in Cartography and GIScience - Selections from the International Cartographic Conference 2017, Lecture Notes on GIS and Cartography - Publications of the International Cartographic Association (ICA), Michael P. Peterson (ed.). : Springer , pp. 99–113. doi/10.1007/978-3-319-57336-6

- Kraak, M.-J., Köbben, B., and Tong, Y. *Integrated time and distance line cartogram: a schematic approach to understand the narrative of movements*. Cartographic Perspectives, 77 (2014), 7–17.
- Behr, F.-J., and Köbben, B. *Selected papers from FOSS4G 2013: OSGeo's global conference for open source geospatial software*. Transactions in GIS 18, 4 (2014), 477–479.
- Köbben, B. *Towards a National Atlas of the Netherlands as part of the National Spatial Data Infrastructure*. The Cartographic Journal 50, 3 (2013), 225–231.
- Köbben, B. *The Dutch National Atlas in a Service-Oriented Architecture*. In Service-Oriented Mapping 2012, M. Jobst, Ed. JOBSTMedia Verlag, Vienna (Austria), 2012, ch. VI-33, pp. 445–452.
- Köbben, B., Huisman, O., and Lin, H. *Combining VGI with Viewsheds for Photo Tag Suggestion*. In Advances in Location-Based Services. G. Gartner and F. Ortog, Eds., Lecture Notes in Geoinformation and Cartography, Springer Verlag, pp. 181–190.
- Köbben, B., de By, R., Foerster, T., Huisman, O., Lemmens, R., and Morales, J. *Using the SDlight approach in teaching a geoinformatics master*. Transactions in GIS 14, s1 (2010), 25–37.
- Kraak, M.-J., Ormeling, F., Köbben, B., and Aditya, T. *The potential of a national atlas as integral part of the geodata infrastructure exemplified by the new Dutch National Atlas*. In: SDI Convergence: Research, Emerging Trends, and Critical Assessment, B. van Loenen, J. Besemer, and J. Zevenbergen, Eds., no. 48 in green series. Netherland Geodetic Commission, Delft, 2009, pp. 9–20.
- Köbben, B., Boekestein, D., Ekkebus, S., and Uithol, P. *Bata Positioning System - A real time tracking system for the world's largest relay race*. In: Location Based Services and TeleCartography, G. Gartner, W. Cartwright, and M. P. Peterson, Eds., Lecture Notes in Geoinformation and Cartography. Springer-Verlag, Berlin, etc., 2007, pp. 511–524.
- Köbben, B. *Wireless Campus LBS: a test bed for WiFi positioning and Location Based Services*. Cartography and Geographic Information Science 34, 4 (2007), 285–292.
- Elzakker, C. v., Ormeling, F., Köbben, B., and Redido-Cusi, D. *Dissemination of Census and other statistical data through Web maps*. In Maps and the Internet, M. P. Peterson, Ed., International Cartographic Association. Pergamon Press, 2003, pp. 57–75.
- Blok, C., Köbben, B., Cheng, T., and Kuturema, A. A. *Visualization of relationships between spatial patterns in time by cartographic animation*. Cartography and Geographic Information Systems 26, 2 (1999), 139–151.
- Köbben, B., and Yaman, M. *Evaluating dynamic visual variables*. In: Seminar on Teaching Animated Cartography (1995), F. Ormeling, B. Köbben, and R. P. Gomez, Eds., International Cartographic Association, pp. 45–53.

Projects

Recent consultancy projects (for complete listing see <http://barendkobben.com/?menu=1&page=consultancy>)

Netherlands	2016-2011	Creating border dispute maps for several cases for the International Court of Justice (The Hague)
Italy	2015, 2013	Preparing and executing a thematic mapping course at Brindisi United Nations base for GIS personnel of various UN peace keeping missions
Austria	2014, 2012	Created and taught a 2 day hands-on workshop "Open Source, Open Standards, Open Data for Geospatial" for staff of United Nations (UN) bodies and entities
Namibia	2013	Organising, developing & running a two week, Nuffic sponsored, Refresher Course on "the use of social media, crowdsourcing and webmapping to enable spatial web presence for the private sector in Southern Africa" at Polytechnic of Namibia (Windhoek).
various	2013, 2012	Organising and supervising EuroSDR EduServ10 & 11 courses (distance learning courses "Open Standards and Open Source Webmapping")
Netherlands/ Bolivia	2008	Teaching Web Mapping in COMIBOL project for Bolivian Ministry of Mining
South Africa	2007	Organising and running a two week, Nuffic sponsored, Refresher Course on "Empowering Citizens: New techniques for mapping on the World Wide Web" at the department of Geography, University of KwaZulu Natal (Pietermaritzburg, SA).
Thailand	2007	Teaching part of the course "Geo-Information for Disaster Management", organised by ITC, the Asian Centre for Disaster Preparedness and the Asian Institute of Technology (Bangkok).
Italy/Ethiopia	2007	EU Culture2000 funded project "Melka Kunture site and Archaeological Park". Together with the Centro di Geotecnologie of the Universita degli Studi Siena (San Giovanni Valdarno) and the Universita La Sapienza (Roma). Workpackage "Conceptual structuring and organization of the Web GIS and Internet Web site". Development of an internet web site and a Web GIS for the distribution of the cultural heritage relevant to the Ethiopian Melka Kunture site and Archaeological Park.
Italy	2006	Organising and teaching a one week summerschool in "WebGIS using Open Standards and Open Source software" at the Centro di Geotecnologie of the Universita degli Studi Siena (San Giovanni Valdarno).

Memberships

- Map Editor and member of the Editorial Board of Geografie (Journal of KNAG - Koninklijk Nederlands Aardrijkskundig Genootschap, ISSN 0926-3837);
- Charter Member of OSGEO, the Open Source Geospatial Foundation
- Treasurer of Stichting OSGEO.nl (Dutch chapter of OSGEO)
- Member of the ICA Commission on Open Source Geospatial Technologies; Publications Chair of this commission in combination with the Open Source Geospatial Foundation
- Corresponding Member of the ICA Commissions on Maps and the Internet, Spatial Data Infrastructures and Art & Cartography;
- Chair of the Academic Track of FOSS4G, the global conference for Free and Open Source Software for Geospatial (2013, 2014);
- Member of KNAG – Koninklijk Nederlands Aardrijkskundig Genootschap;
- Member of BCS – the British Cartographic Society;
- Member of Geo-Info Nederland.

ANNEXES

- For more information also see <http://barendkobben.com/>