



Contact : Benjamin Wayens, DrSc.
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1050 Bruxelles – Belgium

Ref : International Cartographic Association (ICA-ACI)

cc. : Prof. Philippe De Maeyer

The president and
the Secretary General of the
International Cartographic
Association

Brussels, February 3rd, 2019

Dear President of the International Cartographic Association,
Dear Professor M.-J. Kraak,
Dear Secretary-General of the International Cartographic Association,
Dear Professor L. Zentai,

At the meeting of 2019, January 26th the Belgian Committee for Geography, Committee of the Royal Academies for Sciences and the Arts of Belgium, unanimously agreed to nominate our member and past chair of the Belgian Committee for Geography Prof. Philippe De Maeyer as a candidate member of the executive committee (vice-president) for the International Cartographic Association.

We hope that he will receive strong support from the national delegates at the ICA meeting in July.

Yours sincerely,

Benjamin Wayens, Dr.Sc.
Chair of the Belgian Committee for Geography.

Philippe DE MAEYER is **senior full professor** in **cartography and GIS** at **Ghent University** (Belgium).

Since 2008 he is **head of the Department of Geography** at Ghent University.

He is holder of:

- a Master degree in Geography (Ghent University, 1976),
- a Postgraduate Diploma in Geology and Marine Applications (Bordeaux I University, 1977),
- different certificates in Applied Geophysics (Bordeaux I University, 1977),
- a Doctorate in Sciences (**PhD**) (1980)
- a post-graduate certificate in Business Economy (IPO Management School, Antwerp University, 1992).

After a stay as assistant professor overseas (Algeria, 1981-1985) and at Ghent University (1985-1987), he moved in 1987 to the private sector as manager of a department of GI and cartography. In 1999 he went back to Ghent University as a professor in Cartography and GIS.

The **Department of Geography** he is leading, counts about 115 staff members and his **research unit CartoGIS** focuses on Cartography and GIS, esp.:

- cartographic production and management,
- GI capture, modelling and cartography for and of World Heritage, incl. 3D GIS,
- LC/LU change mapping in Central Asia,
- GI and cartography in regions with difficult access,
- quality of semiology,
- (history of) mapping techniques and historical cartography,
- GI management,
- acquisition and modelling of data,
- risk calculation.

He is **(co-)author** of over 460 papers, from which more than 160 are published in journals referenced on the *Web of Science*. He is also the (co-)author of hundreds of maps and the scientific coordinator of several atlases.

He was promotor of 22 PhDs and is promotor of more than 12 ongoing PhDs.

He is/was (co-)promotor of several projects, including 3 FWO-projects (2 ongoing), 1 GOA, 2 ongoing Hercules-projects (STREAM, DSDD), 3 SBOs (CREST, SEARCH, SocLomo), a BOF-project and several projects with regional authorities (Flanders, Walloon Region). He is also directly involved in several projects in China (XIEG (CAS and State Administration of Foreign Expert Affairs)) and in an ongoing project funded by SSHRC (Canada).

He is the promotor of an ongoing European ERA.Net RUS Plus-project and host for an EU-funded EMA 2 IMPAKT-project.

He is fellow member of the **Royal Academy of Overseas Sciences** (Belgium) and past-chair of the *Belgian National Committee of Geography*.

He is *Grand-Officer in the Order of Leopold II* and *Officer in the Order of Leopold* (Belgian orders of merit) and in 2016 he was honoured with the *Tianshan Award of the Xinjiang Uyghur Autonomous Region of China*.

Several of his co-authored papers won prizes, last one was a paper obtaining the *ESRI Award for Best Scientific Paper in Geographic Information Systems 2017*, published in *Photogrammetric Engineering and Remote Sensing*.

bibliography: <https://biblio.ugent.be/person/001960925728>

website of the Department of Geography: <http://www.geografie.ugent.be/en>

website of the research unit CartoGIS: <http://www.geografie.ugent.be/research-units/cartogis>

Prof. Dr. Philippe De Maeyer

PERSONALIA

Name: DE MAEYER
First name: Philippe A. M.
Function: Senior Full Professor Ghent University
 Head of the Department of Geography at Ghent University
Professional address: Ghent University, Department of Geography (WE12)
 Krijgslaan 281 (S8)
 B - 9000 Gent - Belgium
Telephone: +32 (0)9 264 46 88
Fax: +32 (0)9 264 49 85
email: philippe.demaeyer@ugent.be

EDUCATION

diplomas and certificates	university / institution	year
Candidate (Bachelor) in Sciences, group Geography	Ghent State University	1974
Licentiate (Master) in Sciences, group Geography	Ghent State University	1976
GP1 U.V. Applied Geophysics	Université Bordeaux I	1977
GP2 U.V. Applied Geophysics	Université Bordeaux I	1977
GP3 U.V. Applied Geophysics GP1+GP2+GP3 = Certificat C4 de Géophysique Appliquée (translation: Certificate C4 in Applied Geophysics)	Université Bordeaux I	1977
Diplôme d'Etudes Approfondies (DEA) en Géologie et Applications au Domaine Marin (translated: Postgraduate Diploma in Geology and Applications in the Marine environment)	Université Bordeaux I	1977
Docteur en Géologie et Applications au Domaine Marin (translation: Doctorate in Geology and Applications in the Marine environment), subject thesis: <i>Seismic Velocity of Marine Sediments in Shallow Waters: Programming and Application of the Gironde and Scheldt</i> Recognised by Belgian Min. Decree of 23 maart 1981 as a PhD in Sciences	Université Bordeaux I	1980
Aggregaat Hoger Secundair Onderwijs (translation: Aggregation Higher Secondary Education)	Ghent State University	1986
Certificat de Connaissance Approfondie de la langue française, catégorie personnel directeur et enseignant	Ministère Éducation Nationale, Commission d'examen, Bruxelles	1986
Certificate in Fortran	RLTO Ec.HOKT	1976
<i>certificates in informatics in</i> Introduction to Pascal, Software Engineering and Computerarchitecture and microprocessors	UIA	1987
Postgraduate in Business Economy	IPO - UFSIA	1992

CAREER

function	institution	from (d/m/y)	till (d/m/j)
Postgraduate student (fellowship of the French Government)	Université Bordeaux I		ac.year 1976-77 ac.year 1977-78
Assistant	Ghent State University	01 Sep 78 01 Jan 80	31 Dec 79 19 Apr 80

Laboratory Physical Geography and Regional Pedology		21 Apr 80 23 Okt 80	22 Oct 80 20 Sep 81
Assistant Professor (academic cooperation UTS) domain: Applied Geophysics Université de Constantine (Algeria)	ABOS	21 Sep 81	30 Sep 85
Assistant Professor (academic cooperation UTS) Ghent State University	ABOS	01 Oct 85	17 Jul 87
Manager Departement of cartography and digital media & member of the board of directors	Photogravure De Schutter NV, (Antwerpen)	01 Sep 87	30 March 99
Lecturer higher education (professional bachelor) (part-time)	Instituut voor Volwassenenvorming	10 Oct 86	30 June 99
Assistant Professor Cartography and GIS	Ghent University	01 Apr 99	01 Oct 02
Visiting lecturer cartography-topography 30h	KULeuven	ac.year2000-2001	
Visiting lecturer	Université d'Orléans	ac.year 2001-2002	
Associate Professor Cartography and GIS	Ghent University	01 Oct 02	01 Oct 08
Full professor Cartography and GIS	Ghent University	01 Oct 08	01 Oct 14
Senior Full professor Cartography and GIS (<i>professor ordinarius</i>)	Ghent University	01 Oct 14	present

ROYAL ACADEMY OF OVERSEAS SCIENCES

full member of the *Royal Academy of Overseas Sciences*

- 2012 - 2015 associate member,
- since 2015 full Member, by Royal Decree October 29th, 2015.

CIVIL KNIGHTHOODS

- *Grand-Officer in the Order of Leopold II*, since April 8th, 2015, by *Royal Decree August 10th, 2015*;
- *Officer in the Order of Leopold*, since April 8th, 2005, by *Royal Decree of April 6th, 2010*;
- *Civil Decoration First Class*, since January 10th, 2005.

FOREIGN AWARD

- *Tianshan Award*, granted by the *Xinjiang Uyghur Autonomous Region of China*, October 2016.

NATIONAL AWARD

- *Year Price Science Communication 2016 for the geo-ICT-project GeoMobiel*, granted by the *Royal Flemish Academy for Sciences and the Arts of Belgium*, November 2016.
- *SARTON Medal*, granted by the *Sarton Committee (Ghent)*, February 2017.

OVERVIEW SCIENTIFIC ACTIVITIES

I. Scientific research

Themes of research:

cartographic production and management - GI capture, modelling and cartography for and of World Heritage, incl. 3D GIS - LC/LU change in Central Asia - GI and cartography in regions with difficult access- quality of semiology - (history of) mapping techniques - historical cartography - GI management - temporal aspects of spatial data - acquisition and modelling of data - risk calculation

Departmental webpage: <http://geoweb.ugent.be>

Research Group webpage: <http://geoweb.ugent.be/research-units/cartogis>

Publications: see all publications on: <https://biblio.ugent.be/person/001960925728> ;

total number of publications: > 450, not included maps and atlases,

publications listed on Web of Science: > 150 publications; h-index: 25

List of the publications of last 4 years at end of CV

II. Scientific distinctions

- Boursier du Gouvernement Français (fellowship of the French Government) 1976-77 and 1977-78.
- *International Map Trade Association IMTA: IMTA Gold Award 2007 'Best Atlas'* for
Beyaert, M., Antrop, M., De Maeyer, Ph., Vandermotten, Chr., Billen, Cl. Decroly, J.-M., Neuray, Cl. Ongena, Th. Queriat, St., Van den Steen, I. & Wayens, B., 2006, La Belgique en cartes: L'évolution du paysage à travers trois siècles de cartographie. Lannoo, Tielt, pp. 250. ISBN 978-90-209-6831-6.
- *International Cartographic Association ICA: Winner of the International Exhibition Competition ICA2009 (Santiago, Chili) (maps based on satellite images and remote sensing)* with the map
Parc National des Virunga (aan de UGent gerealiseerd in een coproductie UGent - UCL - ICCN (DR Congo) in collaboration with UNESCO (World Heritage), in framework SYGIAP-project.
- different best paper awards as (co-)author:
 - *Best Paper Award at the 3rd International BIVEC-GIBET Transport Research Day*, May 27, 2009.
Title of the paper: A comparative analysis of different accessibility measures in the context of public service delivery Authors: Neutens, T., Schwanen, T., Wiltox, F. & De Maeyer, P.
 - *Best Paper Award 18th World Congress on Intelligent Transport Systems* October 20th 2011 (eerste van 1200 papers), for the paper "How Sustainable is Route Navigation? A Comparison between Commercial Route Planners and the Policy Principles of Road Categorization", Authors: De Baets, K., Vlassenroot, S., Lauwers, D., Allaert, G & De Maeyer, P.
 - best research paper of UPINLBS 2014
Title of the paper: "Thinking aloud in search of landmark characteristics in an indoor environment. 2014 Ubiquitous Positioning Indoor Navigation and Location Based" Authors: Viaene, P., Vanclooster, A., Ooms, K., & De Maeyer, P.
 - 2017 ESRI Award for Best Scientific Paper in Geographic Information Systems
Title of the paper: From Virtual Globes to ArcheoGIS: Determining the Technical and Practical Feasibilities," PE&RS, 82 (9), 677. Authors: Deroo, B. Lonneville, B., Bourgeois, J. and Philippe De Maeyer

III. Functions in academic and scientific organisations

Academic functions (Ghent University)

- **Chair of the Department of Geography** (Faculty of Sciences), since 01.10.2008
- member of the Education Council of Geography - Surveying, since 01.10.2000
- member of the Faculty Commission Scientific Research, since 2006
- promoter *Cooperation Agreement* with *Lomonosov Moscow State university*, Moscow, , 12/01/2009, 5 + 5 years
- promoter *Bilateral Agreement* with *Institute for Ecology and Geography*, Urumqi, *Chinese Academy of Sciences*, 12/12/2007, 5 years (2007-2012), 02/04/2012 (2012-2017), 23/03/2017 (2017-2022)
- promoter *Tripartite Memorandum of Understanding by and between Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, Ghent University and Xinjiang Turpan Bureau of Cultural Heritage (Academia Turfanica)*, 2014-2019
- promoter of the **SINO-BELGIAN JOINT LABORATORY OF GEO-INFORMATION**, signed May 2016, between Ghent University and Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences

Scientific board functions

- past-chair of the *National Committee of Geography* (chair: 2011 - 2018);

- chair of the Scientific Council of the National Geographic Institute, since 2007;
- past-member of the *Commission Earth Sciences* of the *Fonds voor Wetenschappelijk Onderzoek FWO (The Research Foundation - Flanders)* (in 2005-2006 - later: WT8 Commission of Earth and Space Sciences 2007-2012,) past chair of the commission 201-2012;
- past-chair *Commission on Map Production and Economics*, International Cartographic Association ICA (chair: 2003-2007, 2007-2011);
- past-chair of the *Commission on Map Production and GeoBusiness*, International Cartographic Association ICA (chair: 2011-2015).
- co-promotor and member of steering committee of DARIAH-VL <http://www.ghentcdh.ugent.be>
- ...

Promotor PhDs UGent

defended:

- Nico Van de Weghe (8 October 2004) *Representing and Reasoning about Moving Objects: A Qualitative Approach*, promotor P. De Maeyer, PhD Sciences: Geography, promotor P. De Maeyer
- Ruvimbo Gamanya (3 July 2006) *Development of a Standardized Object Oriented Automatic Classification (SOOAC) Method and Application in Land Use and Land Cover Change Detection Using Remote Sensing in Central Zimbabwe*, PhD Sciences: Geography, promotor P. De Maeyer, co-promotor M. De Dapper,
- Peter Bogaert (17 March 2008) *A qualitative Calculus for moving Point Objects Constrained by Networks*, PhD Sciences: Geomatics and Surveying, promotor P. De Maeyer, co-promotor N. Van de Weghe
- Tijs Neutens (21 January 2010) *Space, Time and Accessibility. Analyzing human activities and travel possibilities from a time-geographic perspective*, PhD Sciences: Geography, promotor, P. De Maeyer, co-promotor F. Witlox en T. Schwanen,
- Leonard Mubalama (2010) *Monitoring Law Enforcement Effort and Illegal Activity in Selected Protected Areas: Implications for Management and Conservation, Democratic Republic of Congo*, PhD Sciences: Geography, promotor P. De Maeyer
- Wim Kellens (26 August 2011) *Analysis, Perception and Communication of Coastal Flood Risks - Examining objective and subjective risk assessment*, PhD Sciences: Geography, promotor P. De Maeyer
- Kristien Ooms (13 December 2012) *Maps, how do users see them? - An in depth investigation of the map users' cognitive processes*, UGent, Vakgroep Geografie, PhD Sciences: Geomatics and Surveying, promotors: P. De Maeyer, V. Fack
- Yi Qiang (25 June 2012) *Modelling Temporal Information in a Two Dimensional Space: a Visualization Perspective*, PhD Sciences: Geography, promotors: N. Van de Weghe, P. De Maeyer
- Cornelis Stal (6 May 2014) *Modelling the world in 3D: aspects of the acquisition, processing, management and analysis of spatial 3D data*, PhD Sciences: Geomatics and Surveying, promotors: A. De Wulf & P. De Maeyer
- Ann Vanclooster (2014) *Closing the gap between indoor and outdoor space: a study of navigation and evacuation applications in complex three-dimensional built environments*, promotor: P. De Maeyer
- Rasha Deeb (2015) *Assessing visual variables of cartographic text design*, promotors: P. De Maeyer, K.Ooms & V. Van Eetvelde
- Gonghuan Fang (2016) (*) *Impact of climate variability on hydrological processes in the Kaidu River Basin (China)*, promotors: P. De Maeyer, J. Yang
- Soetkin Vervust (2016) *Deconstructing the Ferraris Map (1770-1778) A study of the map production process and its implications for geometric accuracy*, promotor P. De Maeyer (UGent)
- Berdien De Roo (2016) *Putting the past in place: A conceptual data model for a 4D archaeological GIS*, promotor P. De Maeyer & J. Bourgeois
- Jiao Liu (2017) (*) *Hydrological processes and impacts of climate change in the alpine catchment in the arid region: a case study on the Yarkant River basin in Karakoram*, promotors: P. De Maeyer, J. Tie Liu
- Kevin Baker (2017) *Improving navigation services for leisure activities : exploiting the full potential of route-sharing communities and their crowd-based sources*, promotors: P. De Maeyer, R. Van de Walle, P. Braeckman

- Hussain Saleh (2017) *Disaster management and the linkages between the environmental, regional and spatial planning in Syria*, promotors: P. De Maeyer, G. Allaert, A. Ali Ibrahim
- Koos Fransen (2017) *Travelling beyond Spatial Analysis - The Impact of Temporal and Personal Restrictions on Equitable Access to Opportunities*, promotors: P. De Maeyer & G. Deruyter
- Miao Zhang (May 27th, 2018) (*) *A study on water-heat patterns and regional climate of mountain-oasis-desert system in north Tianshan Mountains based on the WRF model*, promotors: P. De Maeyer & G. Luo
- Xiliang Yuan (May 27th, 2018) (*) *Common land model improvements and its application for estimating evapotranspiration in Xinjiang, China*, promotors: P. De Maeyer & Longhui Li
- Viaene, Pepijn (September 14th, 2018) *Indoor landmarks : the study and implementation of wayfinding aids*, promotors: P. De Maeyer & A. De Wulf
- Hojatollah Khedri Gharibvand (June 25th, 2018) *Sustainable rangeland management in Iran : towards a policy-oriented decision-support model*. Promotors: Witlox, F., De Maeyer, P. & Azadi, H.

upcoming:

- Hao Guo (foreseen May 2019) (*) *Study of drought characteristics in the arid zones of Central Asia over the last 50 years*. Promotors: P. De Maeyer & A. Bao.
- Min Luo (foreseen May 2019) (*) *Defining spatiotemporal characteristics of climate changes trends in Central Asia and its impact on water resources in selected river basins*. Promotors: P. De Maeyer, A. Frankl & T. Liu.
- Yunqian Wang (foreseen May 2019) (*) *Characterizing soil moisture variability for prediction of drought and precipitation in Xinjiang, China*. Promotors: P. De Maeyer & J. Yang.

ongoing: S. Van Ackere, L. Lapon, M. Keskin, N. Verhaeren, L. De Cock, E. Natsgadorj, T. Altanchimeg, M. Matthys, A. Annaert, L. Cao (*), Y. Duan (*), P. Cai (*), T. Pan (*), L. Jiang (*), J. Peng (*), M. Wang (*), S. Zou (*), H. He (*), L. Zhang (*)

(*) double doctorates Ghent University and University of Chinese Academy of Sciences

Promotor PhD UAntwerp

- Patrick Suykerbuyk (September 12th, 2012) *Holistic study of the disease ecology of Mycobacterium ulcerans infections in Africa*, PhD in Biomedical Sciences, UA, promotors: F. Portaels, L., Kestens, P. De Maeyer

IV. Projects

An outstanding list of (scientific and service) projects can be provided on request.

Most important scientific research projects:

- 3 FWO (Research Foundation Flanders) projects,
 - one ongoing on noblemen's mobility based on the Ferraris (18th Cent.) map and his life (as principal promotor),
 - one ongoing on critical attributes of parks associated with physical, mental and social health in older adults (as co-promotor),
- 1 GOA (concerted research actions),
- 2 ongoing Hercules-projects (STREAM, DSDD) funded by the Flemish Government,
- 3 SBO (Strategic Basic Research) (CREST, SEARCH, SocLomo), one ongoing,
- BOF-project (UGent),
- several projects with regional authorities (Flanders, Walloon Region),
- involved in several projects in China (XIEG (CAS and State Administration of Foreign Expert Affairs)),
- involved in ongoing project funded by SSHRC (Canada),
- promotor of an ongoing European ERA.Net RUS Plus-project,
- host for an EU-funded EMA 2 IMPAKT-project.

V. List of publications in Journals refereed on the *Web of Science* in the last 4 years (2015-2019):

2019:

1. Jiang, L., Bao, A., Jiapaer, G., Guo, H., Zheng, G., Gafforo, K., Kurban, A., De Maeyer, P., 2019. *Monitoring land sensitivity to desertification in Central Asia: Convergence or divergence?* Science of the Total Environment, 669
doi: 10.1016/j.scitotenv.2018.12.152
2. Hendrickx, H., Vivereo, S., De Cock, L., De Wit, B., De Maeyer, P., Lambiel, C., Delaloye, R., Nyssen, J. Frankl, A., 2019. *The reproducibility of SfM algorithms to produce detailed Digital Surface Models: the example of PhotoScan applied to a high-alpine rock glacier.* Remote Sensing Letters, 10(1), 11-20.
doi: 10.1080/2150704X.2018.1519641 (IF 2017 = 1.5)
3. Cao, L., Chen, X., Zhang C., Kurban, A., Qian, J., Pan, T., Yin, Z., Qin, X., Ochege, F.U., De Maeyer, P., 2019. *The Global Spatiotemporal Distribution of the Mid-Tropospheric CO2 Concentration and Analysis of the Controlling Factors.* Remote Sensing, 11(94). 2018/07. (I.F. 2017 = 3,406)
doi: 10.3390/rs11010094

2018:

1. Jiang, L., Bao, A., Jiapaer, G., Guo, H., Zheng, G., Gafforo, K., Kurban, A., De Maeyer, P., 2018 *Monitoring land sensitivity to desertification in Central Asia: Convergence or divergence?* Science of the Total Environment, 669
doi: 10.1016/j.scitotenv.2018.12.152
2. Fransen, K., Deruyter, G., De Maeyer, P., 2018. *The impact of driver's license ownership on unemployed job seekers' access to job openings: Assessing the driver's license at School projects in Flanders.* Case studies on Transport Policy, 6(4), 695-705.
doi: 10.1016/j.cstp.2018.08.008
3. Khedricharibvand, H. Azadi, H., Bahrami, H., Welemaram, Z., Aghajani, B., De Maeyer, P., Witlox, F., 2018. *Sustainable rangeland management in Southwest Iran: Application of AHP-TOPSIS approach in ranking livelihood alternatives.* The Rangeland Journal, 40, 603-614.
doi: 10.1071/RJ17038 (I.F. 2017 = 1,08)
4. Guo, H., Bao, A., Ndayisaban F., Liu, T., Jiapaer, G., El-Tantawi, AM, De Maeyer, P., 2018. *Space-time characterization of drought events and their impacts on vegetation in Central Asia.* Journal of Hydrology, 564, 1165-1178.
doi: 10.1016/j.jhydrol.2018.07.081
4. Wang, Y. , Chen, Y. , De Maeyer , P., Li, Z., Duan, W., 2018. *Detecting the Causal Effect of Soil Moisture on Precipitation Using Convergent Cross Mapping.* Scientific Reports 8:12171
doi: 10.1038/s41598-018-30669-2 (I.F. 2017 = 4.122)
5. Luo, M., Liu, T. Meng, F., Duan, Y., Bao, A., Frankl, A., De Maeyer, P., 2018. *Spatiotemporal characteristics of future changes in precipitation and temperature in Central Asia.* Intern. Journal of Climatology, 1-18. (I.F. 2016 = 3,760).
doi: 10.1002/joc.5901
6. Pan, T., Zhang, C., Kuang, W., De Maeyer, P., Kurban, A., Hamdi, R., Du, G., 2018. *Time Tracking of Different Cropping Patterns Using Landsat Images under Different Agricultural Systems during 1990–2050 in Cold China.* Remote Sensing, 10(12), 2011. (I.F. 2017 = 3,406)
doi: 10.3390/rs10122011
7. Duan, Y., Liu, T., Meng, F., Luo, M., Frankl, A., De Maeyer, P., Bao, A., Kurban, A., Feng, X., **2018.** *Inclusion of Modified Snow Melting and Flood Processes in the SWAT Model.* Water, 10(12), 1715
doi: 10.3390/w10121715 (I.F. 2017 = 2,069)
8. Devos, I., Wiedemann, T., Demey, R., Vrielinck, S., De Veirman S., De Maeyer, P., Ranson, E., Van den Berghe, M., Pletitnck, G., Winter, A., Lambrecht, T., **2018.** *STREAM (Spatiotemporal Research Infrastructure for Early Modern Brabant and Flanders) Sources, Data and Methods.* International Journal of Humanities and Arts Computing, 12(2), SI, 102-119.
doi: 10.3366/ijhac.2018.0217
9. Luo, M., Liu, T., Meng, F., Duan, Y., Frankl, A., Bao, A.M., De Maeyer, P., 2018. *Comparing Bias Correction Methods Used in Downscaling Precipitation and Temperature from Regional Climate Models: A Case Study from the Kaidu River Basin in Western China.* Water, 10(8), 1046.
doi:10.3390/w10081046 (I.F. 2017 = 2,069)

10. Keskin, M., Ooms, K., Dogru, A. O., De Maeyer, P., 2018. *Digital sketch maps and eye tracking statistics as instruments to obtain insights into spatial cognition*. Journal of Eye Movement Research. 11(3): 4.
doi: 10.16910/jemr.11.3.4 (I.F. 2017 = 0,852)
11. Fang, G., Yang, J., Chen, Y., Li, Z., Ji, H., De Maeyer, P., 2018. *How Hydrologic Processes Differ Spatially in a Large Basin: Multi-site and Multi-objective Modeling in the Tarim River Basin*. Journal of Geophysical Research: Atmospheres. 123(14), 7098-7113.
doi:10.1029/2018JD028423 (I.F. 2017 = 3,38)
12. Van Ackere, S., Beullens, J., De Wulf, A., De Maeyer, P., 2018. *Data extraction algorithm of EPC to estimate the maximum economic damage of buildings for economic impact assessment of floods in Flanders, Belgium*. ISPRS International Journal of Geo-Information, 7(7), 272
doi:10.3390/ijgi7070272 (I.F. 2017 = 1,723)
13. Luo, M., Liu, T. Frankl, A., Duan, Y., Meng, F., Bao, A.M., Kurban, A., De Maeyer, P., **2018**. *Defining spatiotemporal characteristics of climate change trends from downscaled GCMs ensembles: How climate change reacts in Xinjiang, China*. International Journal of Climatology, 38 (1).
doi: 10.1002/joc.5425 (I.F. 2017 = 3,1).
14. Natsagdorj, E., Renchin, T., De Maeyer, P, Dari, C., Tseveen, B., **2018**. *Long-term soil moisture content estimation using satellite and climate data in agricultural area of Mongolia*. Geocarto International
doi: 10.1080/10106049.2018.1434686 (I.F. 2016 = 1,646)
15. Wang, Y., Yang, J., Chen, Y., De Maeyer, P., 2018, *The spatiotemporal response of soil moisture to climate change in an arid region, China*. Remote sensing, 10, 468.
doi.org/10.3390/rs10030468 (I.F. 2017 = 3,406)
16. Guo, H., Bao, A.M., Liu, T., Jiapaer, G., Ndayisaba, F., Jiang, L. , Kurban, A., De Maeyer, P., **2018**. *Spatial and Temporal Characteristics of Droughts in Central Asia during 1966-2015*. Science of the Total Environment, 624, 1523-1538.
doi:10.1016/j.scitotenv.2017.12.120 (I.F. 2017 = 4,61).
17. Viaene, P., De Wulf, A., De Maeyer, P., **2018**. *Indoor landmark-based path-finding utilising the expanded connectivity of an endpoint partition*. Environment and Planning B-Urban Analytics and City Science, 45 (2), 233-252.
doi: 10.1177/0265813516670901 (I.F. 2017 = 2,046).
18. Fransen, K., Farber, S., Deruyter, G., De Maeyer, P., **2018**. *A spatio-temporal accessibility measure for modelling activity participation in discretionary activities*. Travel Behaviour and Society, 10, 10-20.
doi: 10.1016/j.tbs.2017.09.002

2017:

1. Vervust, S., Claeys BouÛaert, M., De Baets, B., Van de Weghe, N., De Maeyer, P., **2017**. *A study of the local geometric accuracy of Count de Ferrari's Carte de cabinet (1770s) using differential distortion analysis*. Cartographical Journal. 55 (1).16-35.
doi: 10.1080/00087041.2017.1323148 (I.F. 2017 = 0,814)
2. Fang, G., Yang J., Chen Y., Li Z., De Maeyer P., **2017**. *Impact of GCM structure uncertainty on hydrological processes in an arid area of China*. Hydrology Research, nh2017227.
doi: 10.2166/nh.2017.227 (I.F. 2017 = 1,801).
3. Zhang, M., Luo, G., De Maeyer, P., Cai, P., Kurban, A., **2017**. *Improved atmospheric modeling of oasis-desert system in Central Asia using WRF with real-time satellite products*. Remote Sensing, 9, 1273.
doi:10.3390/rs9121273 (I.F. 2016 = 3,244).
4. Luo, M., Liu, T., Meng, FH., Duan, YC., Huang, Y, Frankl, A., De Maeyer, P., **2017**. *Proportional coefficient method applied to TRMM rainfall data: case study of hydrological simulations of the Hotan River Basin (China)*. Journal of Water and Climate Change, 8 (4), 627-640.
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VI. List of atlases published in the last years (2015-2019):

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DATE
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OUR REFERENCE

Dear President of the International Cartographic Association,
Dear Menno-Jan,
Dear Secretary-General of the International Cartographic Association,
Dear László,

I would like to submit my candidacy to become member of the executive Committee of the International Cartographic Association (ICA).

As many of you already know I have been involved in cartography for more than 30 years now. I have been working as head of a cartographic department in an international active private company for a long time and since 1999, I have been teaching (as professor in) Cartography and GIS at Ghent University.

During my professorship I was (and still am) supervising a large number of MSc and PhD theses in cartography and GIS. I was also co-author of more than 460 publications, of which more than 160 are refereed on the Web of Science.

Besides scientific research in cartography/GIS and modelling risks and land-use/land-cover changes, I am still active as a map-maker of various (school) atlases. A special interest from me is the study of cartographic production methods during the last 250 years and the conservation of its history.

Directly after my appointment at Ghent University I was also engaged in administrative tasks, first as head of the education commission of our degrees in Geography, Surveying and Geomatics. Since 2008, I have been nominated chair of the Geography Department, exceeding 110 members today. During the last years this task was no longer allowing me to function as chair of any ICA-commission (as I had been doing several years before).

It is my intention to make myself available for new functions in the cartographic community in the coming year.

DATE
04 February 2019

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OUR REFERENCE

Attached to this letter, you can find my CV (one page version and a longer one).

I will also enclose the letter of nomination by the Belgian Committee for Geography, Committee of the Royal Academies for Sciences and the Arts of Belgium. The Belgian Sub-Committee of Cartography and GIS is part of the Belgian Committee for Geography.

Sincerely yours,



Philippe De Maeyer.