

VANDEBULCKE-PLASSCHAERT GRÉGOR Y

03/10/1982 Brussels, Belgium

CURRENT POSITION

Research assistant (PhD.)
Université Catholique de Louvain (UCL)
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RESEARCH INTERESTS

Transportation geography, mobility, environment, cartography, spatial analysis (GIS), accessibility indicators, bicycle use and risks associated when cycling

WORK EXPERIENCE

- 2007-2011 **PHD. IN SCIENCES** (under progress) and research assistant for the **SHAPES PROJECT** (Systematic analysis of health risks and physical activity associated with cycling policies), Belgian Science Policy. Promoter: I. Thomas (UCL). [<http://www.shapes-ssd.be/>]
- 2005-2007 **ACCESSIBILITY INDICATORS TO PLACES AND TRANSPORTS (AP/02 PROJECT)**, SPF Mobility & Transports, and Belgian Science Policy. Promoters: T. Steenberghen (KUL) and I. Thomas (UCL). Report: <http://www.mobilit.fgov.be/fr/mobil/mobaccf/obstif/etudesf.htm>

EDUCATION

- 2006-2007 **ADVANCED MASTER IN TRANSPORTATION MANAGEMENT** (Great Honor), Interuniversity Centre for Mobility Studies (CIEM), ULB, UCL, Ulg, FUNDP, FMPS, LUC and MET
- 2003-2005 **MSC IN GEOGRAPHICAL SCIENCES** (Great Honor), Université Catholique de Louvain (UCL). Final thesis : « Localisations optimales et distribution de la demande dans l'espace : Simulations sur réseaux théoriques » (*Optimal locations and demand distribution in space*)
EU ERASMUS PROGRAMME (Sep. 2004 – Feb. 2005), University of Almería (Spain)
- 2001-2003 **BSc IN GEOGRAPHICAL SCIENCES** (Honor), Université Catholique de Louvain (UCL)
- 2000-2001 **ADVANCED STUDIES IN MATHEMATICS**, Lycée Martin V (Ottignies-Louvain-la-Neuve).
- 1994-2000 **SECONDARY SCHOOL**, Collège du Christ-Roi (Ottignies-Louvain-la-Neuve). Section : Sciences – Languages

ADDITIONAL QUALIFICATIONS

- 2008 **CERTIFICATE OF MOBILITY MANAGER**. Interuniversity Centre for Mobility Studies (CIEM) and Walloon Region. Report: http://snotag.free.fr/dossiers_snotag/spip.php?article16 [French]
- 2000-2001 **CERTIFICATE OF SUCCESS FOR ENTRANCE TO CIVIL ENGINEER STUDIES**, Université Catholique de Louvain (UCL)

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Vandenbulcke, G., Thomas, I., de Geus, B., Degraeuwe, B., Torfs, R., Meeusen, R., Int Panis, L. (2009). Mapping bicycle use and the risk of accidents for commuters who cycle to work in Belgium. *Transport Policy* 16, 77-87. [<http://dx.doi.org/10.1016/j.tranpol.2009.03.004>]

Vandenbulcke, G., Steenberghen, T., Thomas, I. (2008). Mapping accessibility in Belgium: a tool for land-use and transport planning? *Journal of Transport Geography* 17, 39-53. [<http://dx.doi.org/10.1016/j.jtrangeo.2008.04.008>]

SCIENTIFIC REPORTS

Vandenbulcke, G., Steenberghen, T., Thomas, I. (2007). Accessibility indicators to places and transports: Final Report. Belgian Science Policy and SPF Mobility and Transports, Brussels. Report available from [<http://www.mobilit.fgov.be/fr/index.htm>]

PROCEEDINGS

Vandenbulcke, G., Dujardin, C., Thomas, I., Int Panis, L., Torfs, R., Degraeuwe, B., Meeusen, R., de Geus, B. Determinants of bicycle use and accident risks for cyclists. A geo-statistical approach for Belgium. In: Proceedings of the BIVÉC-GIBET Transport Research Day 2009 (3rd Edition), Brussels (Belgium), 27/5/2009.

MISCELLANEOUS

Vandenbulcke, G. (2008). Le vélo: une solution miracle aux problèmes de l'auto-maux-bilité? *Le Soir* (14/8/2008).

ORAL COMMUNICATIONS

INTERNATIONAL CONFERENCES

Vandenbulcke, G., Dujardin, C., Thomas, I. Cycling to work: modeling meso-scale spatial variations within Belgium. 1st Transatlantic NECTAR Conference, Arlington (USA), 18-20/6/2009.

Vandenbulcke, G., Dujardin, C., Thomas, I., Int Panis, L., Torfs, R., Degraeuwe, B., Meeusen, R., de Geus, B. Determinants of bicycle use and accident risks for cyclists. A geo-statistical approach for Belgium. BIVÉC-GIBET Transport Research Day 2009, Brussels (Belgium), 27/5/2009.

Vandenbulcke, G., Dujardin, C., Thomas, I. Cycling to work: modelling spatial variations within Belgium. 48th European Congress of the Regional Science Association International (ERSA 2008 Colloquium), Liverpool (United Kingdom), 27-31/8/2008.

Vandenbulcke, G., Thomas, I. Spatial analysis of bicycle use and risk when commuting in Belgium. 34th Colloquium Vervoersplanologisch Speurwerk (CVS 2007), Antwerp (Belgium), 22-23/11/2007.

Vandenbulcke, G., Steenberghen, T., Thomas, I. Accessibility in Belgium: a tool for land-use and transport planning. BIVÉC-GIBET Transport Research Day 2007, Rotterdam (Netherlands), 3/4/2007.

NATIONAL CONFERENCES

Vandenbulcke, G., Dujardin, C., Thomas, I. Cycling to work: modeling meso-scale spatial variations. Geographer's Day (3rd edition), Brussels (Belgium), 24-25/10/2008.

POSTER PRESENTATIONS

Vandenbulcke, G., Dujardin, C., Thomas, I., Int Panis, L., Torfs, R., Degraeuwe, B., Meeusen, R., de Geus, B. Quantifying the determinants of bicycle use. A geostatistical approach for Belgium. International conference "Velo-city 2009", Brussels (Belgium), 11-15/5/2009.

Vandenbulcke, G., Dujardin, C., Thomas, I., Int Panis, L., Torfs, R., Degraeuwe, B., Meeusen, R., de Geus, B. Modelling spatial variations of bicycle use when travelling to work. International Symposium "Environment and Transport in different contexts", Ghardaïa (Algeria), 16-18/2/2009.

SEMINARS

Vandenbulcke, G., Dujardin, C., Thomas, I. Cycling to work: modeling spatial variations within Belgium. UCL, Louvain-la-Neuve (Belgium), 24/11/2008.

Vandenbulcke, G., Steenberghen, T., Thomas, I. Accessibility in Belgium: a tool for land-use and transport planning. UCL, Louvain-la-Neuve, 23/4/2007.

Vandenbulcke, G., Steenberghen, T., Thomas, I. Accessibility indicators to places and to transports. KUL, Leuven (Belgium), 7/11/2006.

OTHERS

Several presentations within the framework of:

- follow-up committee meetings, at SPF Mobilité & Transports (6 presentations) and Belgian Science Policy (4 presentations)
- mobility week, transportation events and SHAPES promotion: Université de Liège (Ulg), CHR (Centre Hospitalier Régional) of Liege, Dring Dring (2007, 2008, 2009), Maison du Vélo, press conference

ARTICLE REVIEWS

Invited article review for Journal of Maps (2009)

PROFESSIONAL SKILLS

TRANSPORTS AND SPATIAL ANALYSIS: Expertise in transport, mobility and spatial analysis. Empirical research and applications (e.g. accessibility indicators, spatial and statistical analyses) bridging the gap between theory and practice. Recommendations for policy makers as well as land-use and transport planners (e.g. focused on mobility and traffic safety).

DATA COLLECTION AND MANAGEMENT: Experience in documentation and data collection, through contacts (Ministeries, De Lijn, TEC, STIB-MIVB, SNCB, B-Cargo, Federal Police, INS-NIS, IBSR-BIVV, Universities, etc.) or assistance to field surveys (on-line inquiry, field measures). Good working knowledge in softwares managing large databases.

ANALYTICAL TOOLS: Excellent knowledge of several statistical and GIS softwares (Geographical Information Systems). Good understanding of standard statistical tools (e.g. OLS, PCA, clustering), spatial statistics and econometrics (e.g. SAR, Spatial Regimes).

COLLABORATION AND DISSEMINATION: Experience in interdisciplinary collaboration (with engineers, biologists, statisticians, doctors, ...), report writing (e.g. administrative reports, scientific papers) and presentation (e.g. national and international conferences, press conferences, general public).

COMPUTER SKILLS

GIS	ArcGIS 9.x, ArcView 3.x
STATISTICS	SAS, R, GeoDa, SYSTAT
OFFICE	Excel, Word, PowerPoint, Access

LANGUAGES

FRENCH	mother tongue
ENGLISH	Fluent (active and passive)

DUTCH Good (active and passive)
SPANISH Good (active and passive)

PERSONAL INTERESTS

SPORTS Cycling, hiking, badminton, football
SCIENCES Transports, mobility, environment
CULTURE Travelling, reading, board games
SCOUTING Scout leader during 3½ years (2000-2003), member of scouting group (1990-2000)