

Nicolas van Zeebroeck

I. BIOGRAPHICAL DATA

- | | | |
|------|-----------------------------|--|
| 1.1. | Names | VAN ZEEBROECK, Nicolas |
| 1.2. | Sex | Male |
| 1.3. | Birth date and place | Schaerbeek (Brussels), 13/11/1977 |
| 1.4. | Nationality | Belgian |
| 1.5. | Mailing address | ULB CP114/04
50, Av. F.D. Roosevelt
1050 Bruxelles (Belgique) |
| 1.6. | Contact details | ULB Phone : 02/650.33.75
nicolas.van.zeebroeck@ulb.ac.be
www.vanzeebroeck.net |
| 1.7. | Languages | French : native; English : fluent;
Dutch : basic; Spanish: notions |

II. EDUCATION

PhD in economics and management (Doctorat en sciences économiques et de gestion)

ULB, Solvay Business School, March 13, 2008

PhD Thesis: « *Essays on the empirical analysis of patent systems* »

PhD Committee: Bruno van Pottelsberghe (Advisor, ULB), Hugues Bersini (Advisor, ULB), Michele Cincera (ULB), Catherine Dehon (ULB), Christine Greenhalgh (Oxford), Carine Peeters (ULB), Reinhilde Veugelers (KUL).

DEA in Management Sciences (DEA en Sciences de Gestion)

ULB, Solvay Business School, June 2005

Final paper: « *US Contamination or a trend toward complexity: what is behind the surge in EPO applications voluminosity* »

Master of Science in Management (Ingénieur de Gestion)

ULB, Solvay Business School and Darden Graduate School of Business (MBA), June 2001

1st year : Satisfactory; 2nd year : Satisfactory; 3rd year: Honours (Distinction)

Final thesis: « *Java/XML : Plateforme universelle pour les applications e-business* »

Exchange programme; 2nd Year MBA at Darden (Virginia, USA) – Fall Semester 2000.

Bachelor in Management Sciences (Candidat Ingénieur de Gestion)

ULB, Solvay Business School, June 1998

1^{ère} candidature : Honours (Distinction) | 2^{ème} candidature : Satisfactory

Professional trainings / Executive education:

- Forum Institute for Management, “Understanding US and EU Patent Litigation”, 2006
- ULB and UCL, “Understanding Intellectual Property Law”, 2005
- Solvay Business School (ULB), “Leadership in Action”, 2004
- Capgemini, “Basic Consulting Skills”, “Information Analysis”, 2001

Participation in teaching workshops:

- IT Teaching Workshop, GeorgiaTech, Atlanta, May 2010.
- IT Teaching Workshop, University of Michigan, Ann Arbor, May 2011.
- Teaching to small audiences, ULB, Brussels, October 2009.

III. ACADEMIC POSITIONS

3.1. **Current academic position**

- Assistant Professor (ULB)
Since 01/10/2011
Contract type: Permanent contract (100%)

3.2. **ULB Teaching assistantships and research positions**

- FNRS Post-Doctoral Researcher (Chargé de recherches FNRS)
Period: 01/10/09 – 30/09/12
Contract type: Term contract (100%)
- Contracted research scholar (SOCO Faculty, STRATEGO Project, Walloon Region Funding)
Period: 01/10/07 – 30/09/09
Contract type: Term contract (80%)
- Teaching Assistant (AEX, SOCO Faculty)
Period: 01/10/07 – 30/09/09
Contract type: Term contract (10%)
Related teachings: Computer science for management (H. Bersini, INFO-D-201)
- Teaching Assistant (AEX, SOCO Faculty)
Period: 01/10/05 – 30/09/09
Contract type: Term contract (10%)
Related teachings: Theory of Innovation & Entrepreneurship (B. van Pottelsberghe, GEST-D-307)
- Contracted research scholar (SOCO Faculty and IRIDIA)
Period: 01/10/06 – 30/09/07
Contract type: Term contract (40%)
- Teaching Assistant (SOCO Faculty, LIS Laboratory)
Period: 01/10/06 – 30/09/07
Contract type: Interim (50%)
Related teachings: Computer science for management (H. Bersini, INFO-D-201)
Related management duties: IT Management of the LIS Laboratory
- Contracted research scholar (SOCO Faculty, MBASolvay)
Period: 01/10/04 – 30/09/06
Contract type: Term contract (90-100%)
Related teachings: MBA Business Field Project
Related management duties: IT Management, MBA Corporate Relations Manager
- Teaching Assistant (SOCO Faculty, LIS Laboratory)
Period: 01/10/02 – 30/09/04
Contract type: Interim (100%)
Related teachings: Computer science for management (H. Bersini, INFO-D-201)
Related management duties: IT Management of the LIS Laboratory

3.3. **Visiting scholar positions:**

- Georgia Institute of Technology – College of Management, Atlanta, GA (USA)
Visiting Scholar in the Strategic Management Group:
 - February to July 2009.

3.4. **Short research stays:**

- USPTO, Washington DC: July 2011 (Visiting Stuart Graham)
- GeorgiaTech, Atlanta: May 2011 (Visiting Chris Forman and Marco Ceccagnoli)
- GeorgiaTech, Atlanta: May 2010 (Visiting Chris Forman and Marco Ceccagnoli)
- UC Berkeley, California: May 2009 (Visiting Stuart Graham)
- EPO, Munich: Jan-Jul-Aug, Nov 2006, Jan-Feb-Mar-Apr 2007 (Visiting Bruno van Pottelsberghe)

IV. TEACHING EXPERIENCE

4.1. **Academic teachings at ULB (Solvay Brussels School of Economics and Management):**

- As professor
 - 2010-present: - GEST-S711 – Management Information Systems
(Specialized Master in Management - MCC en Gestion)
 - 2010-present: - INFO-S202 – Introduction à l’informatique
(BA in Economics - Sciences économiques)
 - 2010-2011: - INFO-S201 – Informatique pour la gestion II
(BA in Management Sciences - Ingénieur de Gestion)
(Replacement of H. Bersini)
 - 2009-2010: - STAT-S305 – Séminaire d’analyse économique et de gestion
(BA in Management Sciences - Ingénieur de Gestion)
(Replacement of B. van Pottelsberghe)
 - 2008-2009: - GEST-S614 - Microeconomics for management
(Specialized Master in Management - MCC en Gestion)
(Replacement of A. Drumaux)
- As teaching assistant in the BA in Management (BA in Management Sciences)
 - 2005-2009: - GEST-S307 - Innovation & Entrepreneurship (B. van Pottelsberghe)
 - 2003-2004: - INFO-S101 - Introduction to computer science (H. Bersini)
 - 2003-2009: - INFO-S201 - Computer science for management (H. Bersini)
- Project supervision
 - 2002-2003: - Management Information Systems (T. Jelassi – MBA Solvay)
 - 2004-2006: - MBA Business Field Project (J. Sadis, G. Wanet, P. Weill – MBA Solvay)
- As invited lecturer (guest speaker)
 - 2009-2010: - Questions Actuelles d'Informatique (G. Bontempi – MA in Engineering):
Session on IP intelligence and Patent Mining
 - 2007-2012: - Introduction to Management (B. van Pottelsberghe – BA in Management):
One session a year on the strategic management of IT
 - 2008-2009: - Introduction to Artificial Intelligence (H. Bersini – MSc in Engineering ULB-VUB):
Session on Text Mining Technologies
- Teaching assistantships as a student :
 - 1999-2001: - Introduction to computer sciences (H. Bersini – BA in Management)
 - 2000-2001: - Introduction to OO Programming (H. Bersini)

4.2. **Individual student guidance:**

4.2.1. Undegraduate Master Theses Supervision

- Raphaël Jehotte, “Zero-intelligence v. Rational traders: who generates inequalities in competitive and random markets?”, 2011-2012.
- Bruno Colagiovanni, “Cloud computing: analyse des opportunités, stratégies et tendances - Supply side”, 2011-2012.
- Vincent Debast, “Cloud computing: analyse des opportunités, stratégies et tendances en Europe - Client side”, 2011-2012.
- Cyrielle Chantry, “Stratégies de gestion de la connaissance: étude de cas”, 2011-2012.
- Alexandra Kolia, “Web 2.0 et innovation: L'impact des médias sociaux comme outil de gestion de la connaissance et de travail collaboratif”, 2011-2012.
- Adrien Huart, “Opportunités d’investissements et de croissance dans l’open source”, 2011-2012.
- Amandine Périchon, “Games on Demand: How Cloud Gaming could impact the Video Game Industry”, 2009-2010
- Nils Fagerburg, “Agent-based Artificial Market Models”, 2009-2010

4.2.2. Postgraduate Master Theses Supervision

- Philippe Ribue, “Case Study of an ERP implementation”, 2011-2012
- Tanguy Herriau, “Strategic marketing and balanced scorecard in a data mining spinoff”, 2010-2011
- Mathieu Quintyn, “L’apport des TIC dans le management des clusters”, 2010-2011
- Frédéric Anciau, “Allergies alimentaires et restauration de masse: incompatibilité ou faisabilité”, 2010-2011
- Alain-Gilles Viellevoye: “Le financement et la diffusion du cinéma face à l’émergence de la Vidéo à la Demande”, 2009-2010
- Geoffroy Drappier: “Des 'First Party Logistics' aux 'Fourth Party Logistics'. Quelles opportunités pour les prestataires logistiques en Belgique? Le cas du Groupe Mozer”, 2009-2010

4.3. **Professional teachings (non university):**

- 2002-2009: - Introduction to Java Programming (Technofutur) : 3 four-day sessions a year
- 2004-2005: - Introduction to C# Programming (Technofutur): 1 four-day session
- 2004-2005: - Introduction to OO and UML (Technofutur): 2 one-day seminars

V. SCHOLARLY ACCOMPLISHMENTS

5.1. **Research projects and grants**

5.1.1. As (co-)contractor and researcher

- National Bank of Belgium Research Grant (1 year) – Project with Marco Ceccagnoli (GeorgiaTech)
Period: September 2011 – August 2012
Topic: *Knowledge management, appropriation and firm performance.*
- ZEW SEEK Project (2 years) – Project in consortium with ZEW, LSE, CBS, LMU
Period: November 2010 – May 2012
Topic: *Patent litigation in Europe.*
- Project for the Belgian Ministry of Economic Affairs (1 year) – Partnership with KUL
Period: March 2010 – March 2011
Topic: *Patenting activity in Belgium.*
- FNRS (Belgian National Science Foundation) Post-Doctoral Scholarship (2 years)
Period: October 2009 – September 2011
Topic: *Post-doctoral research on the economics and management of knowledge.*
- FNRS (Belgian National Science Foundation) Visiting Scholarship (6 months)
Period: February – July 2009
Topic: *Grant for visiting researcher position at GeorgiaTech.*
- ULB International Exposure Grant (6 months)
Period: February – July 2009
Topic: *Grant for visiting researcher position at GeorgiaTech.*
- Contract research for BEFIMMO S.A. (7 months)
Period: March 2008 – October 2008
Topic: *Advice on business intelligence strategy and software implementation*

5.1.2. As researcher

- Contract research for IRIS S.A. under Walloon Region Funding (3 years)
Period: September 2007 – September 2010
Topic: *Algorithms for automatic document classification and semi-automatic thesaurus construction*
- Contract research for the European Patent Office (1.5 years)
Period: January 2006 – June 2007
Topic: *Creation of new patent quality and value indicators and analysis of their determinants.*
- Contract research for the European Patent Office (1 year)
Period: September 2004 – June 2005
Topic: *Statistical analysis of the patterns and determinants of the evolution of patenting strategies.*

5.2. Publications¹

5.2.1. Book chapters

Guellec, D., B. van Pottelsberghe de la Potterie and N. van Zeebroeck (2007), Patent as a market instrument, in Guellec D. and B. van Pottelsberghe de la Potterie, *The Economics of the European Patent System*, Oxford University Press, Chapter 4, 85-113. Citations: 54.

5.2.2. Articles in international refereed journals

Forman, C. and N. van Zeebroeck (2012), From wires to partners: how the Internet has fostered R&D collaborations within firms. *Management Science* (forthcoming). I.F.: 2.354. Citations: 0.

van Zeebroeck, N. (2011), Long live patents: the increasing life expectancy of patents and its determinants, *Review of Economics and Institutions*, 2(3), Article 5. I.F.: n.a., Citations: 5.

van Zeebroeck, N. and B. van Pottelsberghe de la Potterie (2011), Filing strategies and patent value, *Economics of Innovation and New Technology*, 20(6), 539-562. I.F.: 0.410, Citations: 27.

Mantrach, A., N. van Zeebroeck, P. Francq, M. Shimbo, H. Bersini and M. Saerens (2011), Semi-supervised Classification and Betweenness: Centrality Computation on Large, Sparse, Graphs, *Pattern Recognition*, 44(6), 1212-1224. I.F.: 2.554, Citations: 0.

van Zeebroeck, N. and B. van Pottelsberghe de la Potterie (2011), The vulnerability of patent value determinants, *Economics of Innovation and New Technology*, 20(3), 283-308. I.F.: 0.410, Citations: 3.

van Zeebroeck, N. (2011), The puzzle of patent value indicators, *Economics of Innovation and New Technology*, 20(1), 33-62. IF: 0.410, Citations: 39.

van Zeebroeck, N., B. van Pottelsberghe de la Potterie and D. Guellec (2009), Claiming more: the increased voluminosity of patent applications and its determinants, *Research Policy*, 38(6), 1006-1020. IF: 2.211, Citations: 57.

van Zeebroeck, N., B. van Pottelsberghe de la Potterie, N. Stevnsborg, D. Guellec and E. Archontopoulos (2008), Patent Inflation in Europe, *World Patent Information*, 30(2), 43-52. IF: n.a., Citations: 16.

van Pottelsberghe de la Potterie, B. and N. van Zeebroeck (2008), A Brief History of Space and Time: the Scope-Year Index as a Patent Value Indicator Based on Families and Renewals, *Scientometrics*, 75(2), 319-338. IF: 1.740, Citations: 17.

van Zeebroeck, N., B. van Pottelsberghe de la Potterie and D. Guellec (2008), Patents and Academic Research: A State of the Art, *Journal of Intellectual Capital*, 9(2), 246-263. IF: 0.709, Citations: 21.

Archontopoulos, E., D. Guellec, N. Stevnsborg, B. van Pottelsberghe de la Potterie and N. van Zeebroeck (2007), When small is beautiful: measuring the evolution and consequences of the voluminosity of patent applications at the EPO, *Information Economics and Policy*, 19(2), 103-132. IF: 0.579, Citations: 48.

van Zeebroeck, N., B. van Pottelsberghe de la Potterie, W. Han (2006), Issues in Measuring the Degree of Technological Specialization with Patent Data, *Scientometrics*, 66(3), 481-492. IF: 1.740, Citations: 21.

5.2.3. Articles in national refereed journals

van Zeebroeck, N. (2008), Développement et impact des stratégies de dépôt de brevets, *Reflets & Perspectives de la Vie Economique*, 2008(3), 87-100. IF: n.a, Citations: 2.

5.2.4. Working papers in referee process

Bersini, H. and N. van Zeebroeck (2011), Why should the economy be competitive? SSRN Working Paper #1945660 and Emergent Results of Artificial Economics: Lecture Notes in Economics and Mathematical Systems, 652(4), 117-128. Submitted to *Journal of Complex Systems* (Revise & Resubmit). Citations: 0.

¹ Citations from Google Scholar: As on January 12, 2012. H-Index: 10. Total Google Scholar Citations: 340.

5.2.5. Working papers

Graham, S., A. Marco and N. van Zeebroeck (2012), Patently Informative: Strategy and Information in Patent Litigation across Countries, Unpublished working paper, Citations: 0.

van Zeebroeck, N. and S. Graham (2011), Comparing Patent Litigation Across Europe: A First Look, SSRN Working Paper #1942124, available at <http://ssrn.com/abstract=1924124>, Citations: 0.

van Zeebroeck, N. (2009), From patent renewals to applications survival: do portfolio management strategies play a role in patent length?, CEB Working Paper 09-028, Citations: 1.

van Zeebroeck, N. (2009), Filing strategies and the increasing duration of patent applications, CEB Working Paper 09-005. Citations: 4.

van Zeebroeck, N. (2007), Patents only live twice: a patent survival analysis in Europe, CEB Working Paper 07-028. Citations: 23.

5.2.7. Technical reports, conference notes and press articles

« Services Web et Portails d'Entreprises » in Inside Internet, 05/2002

Report to the Conference "IP as an economic asset" organised by the OECD, the EPO and the German Ministry of Economy, Berlin, 2005.

Report to the Conference "Quality in the patent system" organised by the EPO, The Hague, 2005.

Report to the Conference "Research use of patented inventions" organised by the OECD, the EPO and the CSIC, Madrid, 2006.

Report to the Conference "Patents: Realising and securing value" organised by the OECD, the EPO and the UK Patent Office, London, 2006.

« Ruée vers l'or gris » in La Libre Entreprise, 14/02/2009

van Pottelsberghe de la Potterie, B. and N. van Zeebroeck (2008), Patenting strategies and the value of European patents, VOX-EU Column, <http://www.voxeu.org/index.php?q=node/2365>.

van Zeebroeck, N. (2008), Brevets : quelles nouvelles stratégies ?, Problèmes Economiques, N°2960, La Documentation Française, 10/12/2008.

5.2.8. Ongoing works

"Knowledge management, appropriation and firm performance", with Marco Ceccagnoli (GeorgiaTech) and Roberto Venturini (ULB)

"Internet adoption and knowledge flows: an empirical look", with Chris Forman (GeorgiaTech)

"Patents and firm value: using link and graph analysis to produce new patent value indicators", with Amin Mantrach (ULB), Marco Saerens (UCL) and Kristel Vignery (UCL)

"Patenting for euros: International patenting and foreign venture capital funding", with Stuart Graham (GeorgiaTech & USPTO)

5.3. Communications in conferences and seminars

5.3.1. Communications in international conferences

VAN ZEEBROECK N., B. VAN POTTELSBERGHE and D. GUELLEC, "Claiming more: the increased voluminosity of applications at EPO and its determinants":

- AEA Conference, Paris, October 2005
- IAMOT Conference, Miami, May 2007
- 4th CEPR Applied IO School, Tarragona, May 2007
- EEA/ESEM Annual Congress, Budapest, August 2007

VAN POTTELSBERGHE B. and N. VAN ZEEBROECK, "A Brief History of Space and Time: the Scope-Year Index as a Patent Value Indicator Based on Families and Renewals":

- AEA Conference, Strasbourg, June 2007

VAN ZEEBROECK N. and B. VAN POTTELSBERGHE, "Filing Strategies and Patent Value"

- IAMOT Conference, Miami, May 2007
- EPIP Conference, Lund, September 2007
- 3rd ZEW Conference on the Economics of Innovation, Mannheim, June 2008
- Annual Meeting of the Association of Management, Anaheim, August 2008

VAN ZEEBROECK N., "The Puzzle of Patent Value Indicators":

- PATSTAT Conference, Venice, October 2007
- 12th International Schumpeter Society Conference, Rio de Janeiro, July 2008

VAN ZEEBROECK N., "Long live patents: the increasing life expectancy of patent applications and its determinants":

- PATSTAT Conference, Vienna, September 2008
- AEA Conference, Tokyo, December 2008 (Virtual Session)

VAN ZEEBROECK N., "Patents only live twice: a patent survival analysis in Europe":

- 3rd EPIP Conference, Bern, October 2008
- 5th ICIM Conference, Maastricht, December 2008
- AEA Conference, Tokyo, December 2008 (Virtual Session)

VAN ZEEBROECK, N. and S. GRAHAM, "A comparative look at patent litigation in Europe":

- EPIP Conference, Maastricht, September 2010
- 1st ZEW-SEEK Conference, Mannheim, March 2011
- EPIP Conference, Brussels, September 2011

FORMAN, C. and N. VAN ZEEBROECK, "From wires to partners: how the Internet has fostered R&D collaborations within firms":

- ZEW Workshop on Social Software, Mannheim, November 2009
- Conference Knowledge in Organizations, Monte Verita, June 2010
- ZEW Conference on the Economics of ICT, Mannheim, June 2010
- Conference on ICT and Economics Growth, Munich, November 2010
- ZEW Conference on the Economics of Innovation, Mannheim, May 2011

BERSINI, H. and N. VAN ZEEBROECK, "Why should the economy be competitive?":

- Artificial Economics Conference, The Hague, September 2011

GRAHAM, S., A. MARCO and N. VAN ZEEBROECK, "Patently Informative: Strategy and Information in Patent Litigation across Countries":

- Keynote Address, EPIP Conference, Brussels, September 2011
- 2nd ZEW-SEEK Conference, Mannheim, March 2012

5.3.2. Communications in seminars at ULB

VAN ZEEBROECK, N. and P. FRANCO, Integrating WordNet to extract a semantic representation of textual documents

- SIC Seminar, 19/3/2008

VAN ZEEBROECK, N., A state of the art on document clustering

- IRIDIA, Presentation to the STRATEGO project, 5/9/2008

VAN ZEEBROECK, N., A state of the art on automatic thesaurus construction

- IRIDIA, Presentation for the STRATEGO project, 5/12/2008

MANTRACH, A., M. SAERENS, and N. VAN ZEEBROECK, Overview and preliminary results of applying link analysis algorithms to US patent data

- IRIDIA Seminar, Brussels, 12/12/2008

VAN ZEEBROECK, N., From patent renewals to applications survival: do portfolio management strategies play a role in patent length?

- CEB Brown-Bag Seminar, Brussels, 11/02/2010

VAN ZEEBROECK N. and C. FORMAN, "From wires to partners: how the Internet has fostered R&D collaborations within firms":

- ECARES Internal Seminar, Brussels, April 2010

VAN ZEEBROECK N. and S. GRAHAM, "A comparative look at patent litigation in Europe":

- ECARES Internal Seminar, Brussels, February 2011

5.3.3. Invited talks in international seminars

- Workshop on Patent Valuation (ESDES), Lyon, Jan. 2011.
- Doctoral Consortium on Regional Economic Integration (GeorgiaTech), Atlanta, May 2010.
- European Patent Office, Economic Advisory Group, Munich, Nov. 2008.
- Faculty of Business & Economics (KUL University), Leuven, Oct. 2008.
- European Patent Office, Economic Advisory Group, Munich, Nov. 2007.
- Steunpunt O&O Statistieken (KUL University), Leuven, Nov. 2006.
- Centre for Advanced Studies in Law & Economics (Ghent University), Brussels, Oct. 2006.

5.4. **Scientific honours and distinctions**

- Ranked among the 100 top young economists (5 years or less) on RePEc (2009) (see e.g. <http://ideas.repec.org/top/old/0907/top.young.html>)
- Best Student Paper Award – IAMOT Conference (2007) (see <http://www.iamot.org/IAMOT2007/IAMOT2007StudentPaperAwardsMay212007.html>)
- De Bary Prize for best M.Sc. Final Thesis (Solvay Business School, 2001)

VI. SERVICE

6.1. **Occasional reviews for international journals, conferences, scholarly books and research projects**

Economics Letters (1), Information Economics & Policy (1), Economics of Innovation & New Technology (3), Technology Analysis & Strategic Management (1), Academy of Management Annual Meeting (BPS and TIM Divisions) (7), Intellectual Capital and Technological Innovation: Knowledge-Based Theory and Practice (IGI) (2), Cahiers Economiques de Bruxelles (1), International Journal of Business and Systems Research (1), Research Policy (1), Journal of Economics and Management Strategy (1), The B.E. Journal of Economic Analysis & Policy (1), Academy of Finland (1), La Revue Economique (1)

6.2. **Scientific societies memberships**

- Strategic Management Society (since 2009)
- Academy of Management (since 2008)
- Applied Econometric Association (since 2005)
- European Policy for Intellectual Property (EPIP) (since 2005)

6.3. **Involvement in the administration of the university (ULB)**

- Member of the IT Board of the University (delegate of the researchers since 2006)
- Member of the SOCO Faculty Board (delegate of the researchers in 2007 and 2008)
- Member of the SBS-EM Board, the SBS-EM Bureau, and the SBS-EM Advisory Board (delegate of the researchers in 2006-2008)
- IT and e-Business Manager of the SBS-EM (2003-2008, 2011-)
- Corporate Relations Manager of the MBA Solvay (2005-2006)

6.4. **PhD Committees**

- Luigi Aldieri, “Three essays on knowledge diffusion and firms’ economic performance”, PhD Advisor: Michele Cincera, ULB, 2011
- Julien Ravet, “Corporate R&D Activities, Financing Constraints, Performance and Diversification”, PhD Advisor: Michele Cincera, ULB, 2012

VII. EXPERIENCE IN THE INDUSTRY

7.1. **Management consultant at Capgemini Belgium (01/08/01 – 30/09/02)**

Main achievements:

- Business cases for the implementation of information portals, content management systems (CMS), document management systems (DMS) and knowledge management solutions (KMS) in different multinationals (in Belgium and France) and for the DG IS of the European Commission;
- development of a cost allocation model on a monthly basis for the European headquarters of an automobile manufacturer;
- management of the EURO-Migration at Capgemini Belgium;
- development of an “Enterprise Information Portals” service offering and pre-sales support.

7.2. External consultancy projects – As project coach for the MBASolvay Business Field Project

- Supervision and coaching of MBA students in numerous strategic studies for various organization, including Bank of NY, Delhaize, EuropaBio, La Poste, Owens Corning, Altadis, CSC, Eurogentec, FEB, GMT, SAP, Sonaca

7.3. External consultancy projects – As principal consultant

- Sodexho Belgium: Analysis and redesign of accounting, IT and commercial processes and systems for public vouchers (2004-2005)
- BEFIMMO: Advice on Business Intelligence (2008)

7.4. Consultation as expert

- Solvay S.A.: Advice on e-business and Web 2.0 projects (2008-2009)
- Expert opinion for the report on e-book and the future of book publishing for the Walloon-Brussels Community Government (2011)

VIII. RESEARCH AREAS

- Strategic Management:
 - o Micro foundations of strategy, resource-based view, firm performance
 - o Management Information Systems, IT Management, e-Business and e-Commerce
 - o Knowledge Management, Business Intelligence, Innovation Management, Intellectual Capital and Intellectual Assets Management, IP Management
- Economics of Knowledge:
 - o Knowledge appropriation and diffusion
 - o Patent systems, patenting strategies, patent value
- Data Mining:
 - o Object oriented development , Data analysis, Text mining, Link analysis, Classification, Clustering, Patent Mining (data and text mining applied to patent data)
- Agent-Based Computational Economics:
 - o OO-based artificial economics, UML modeling, Artificial markets