

Curriculum Vitae David Nijssen

Personal Information

Name: David Jean Guillaume Nijssen
Address: Schmiedestrasse 9
58452 Witten
Deutschland
Telephone: +49 234 32 25875
E-Mail: david.nijssen@rub.de
Marital Status: Married, 2 daughters
Nationality: Belgian
Date of Birth: 13. April 1972
Place of Birth: Bilzen, Belgium

Professional Experience

- 11/2007- present** Scientific researcher – Ruhr Universität Bochum
Ruhr Universität Bochum
Dept. Hydrology,
Water- & Environmental
Management
Universitätsstrasse 150
D- 244801 Bochum
- Decision support for sustainable water resources management in the coastal area of Shandong Province, PR China
 - Development of a methodology to evaluate technical flood retention systems considering different operation strategies
 - Development of a decision support system for Flood Control Management of the Unstrut River
- 05/2005 – 10/2007** Manager – Zoo Gut Eversum
Tierpark Gut Eversum
Eversumerstr. 77
59399 Olfen
- Daily financial and personnel management
 - Inspection of animal care and animal welfare
- 03/2003 – 04/2005** Project leader Ecology – Antwerp Mobile t.v. (1/2 Time)
Antwerpen Mobiel t.v
Plantin en Moretuslei 220
B- 2018 Antwerpen
- International permits concerning SAC's and SPA's for a major infrastructure project
 - Impact assessment infrastructure project 'Mobility in Antwerp'
- 03/2000 – 04/2005** Scientific researcher – University of Antwerp
Universität Antwerpen
RG Ecosystem Management
Universiteitsplein 1C
B- 2610 Wilrijk Antwerpen
- Project research 'Long term vision for nature conservation' in Flanders
 - Project research 'Determining Conservation targets for SAC's, SPA's and Ramsar areas in the Sea harbour of Antwerp'
 - Project research 'Usability of (hydro)ecological models for impact assessment of the SAC Blokkersdijk'
 - Project research 'Nature development along the river Scheldt'

03/1997 - 03/2000

Grontmij Engineering
Dpt. Land, Nature & Water
Hanswijkvaart 51
B - 2800 Mechelen

Project leader Ecology - Grontmij België n.v.

- Geographical analysis of the potential soil erosion in Hargita County, Romania
- Hydrological and ecological effects of the international nature development plan 'Grensmaas'
- Determining options and future concepts for nature reserves across the Flemish-Dutch borders
- Ecological development of the city-forest of Turnhout
- Landscape ecology of retention basins, reed beds, and consolidation St. Gillis-Waas
- Nature development project 'Ponds of Florival'
- INTERREG Ecological development in an international project in Middelburg (Netherlands)

05/1993 - present

Natuurpunt De Kevie vzw
Oude Blaarstraat 7
B - 3700 Tongeren

Nature organisation Natuurpunt vzw

- International campaign coordination with Limburg (Netherlands)
- Nature development plan 'Park van de Oostelijke Jeker' - Species protection plan 'the Badger in Limburg'

04/1995 - 12/1997

Dept. Vegetation Ecology
Coupure Links 653
B- 9000 Ghent

Scientific researcher - University of Ghent

- Biodiversity and carbon budgeting in grassland ecosystems under global change circumstances like increased CO2 and Temperature

Education

- 2003 - 2005 Teaching Degree Biology-Physic-Chemistry, University of Antwerp (UA)
- 2000 - 2003 Trainings/Seminars:
 - Communication & negotiation techniques, presentation techniques,
 - Time management, project management, mind mapping, speed reading, ... (UA)
- 1999 - 2000 Integral water management (UA)
- 1994 - 1995 Environmental sciences and - techniques, University of Gent (UG)
- 1992 - 1994 Licentiate biological sciences, focus environment (UA)
- 1989 - 1992 Candidate chemical and biological sciences, University of Hasselt (UL)

Language skills

Dutch: Native speaker

English: Fluent

German: Proficient

French: Working knowledge

Spanish: Basic

IT Skills

- MS-Office Packages (Access, Excel, Word, Powerpoint, Outlook), including VBA
- Networking, Servers (W2KServer, MS Exchange, Novell Groupwise)
- Operating Systems (Windows 2000 & XP, GNU Linux Suse9 & Red Hat5)
- Websites (Adobe Dreamweaver, Flash, HTML, php)
- Geographical Information Systems: ArcGIS 9.3; GeoMedia 3.0; Idrisi Kilimanjaro
- Programming languages: Java, Fortran, Pascal, Basic, VBA und Flash
- Others: SPSS, LATEX 2ε, EndNote, Coreldraw, ...

Professional Memberships

- 1995 - present: President nature organisation 'De Kevie' (www.kevie.be)
- 2000 - 2005: Royal Society of Engineers of Flanders: Member of the society 'Land, Nature and Water'
- 1989 - 1995: Steering Committee national nature organisation 'Natuurpunt'
- 2000 - 2005: Member of the Steering Committee of 'Paralia Nature'
- 1998 - 2003: Large Herbivore Initiative WWF

Conference Proceedings

- Nijssen, D. & Meire, P. (2003) Future of the Nature Types: Long Term Vision. 'Landscape ecology and nature typology'. Institute of Nature Conservation, Brussels, 9th of October 2003
- Nijssen, D. & Meire, P. (2002) Ten years after Rio: what future for biodiversity in Belgium? Royal Belgian Institute of Natural Sciences, Brussels, 22nd of May 2002
- Nijssen, D. & Meire, P. (2001) Visionen der Landschaftsentwicklungen in Europa. Öffentliche Veranstaltung Institut für Ökologische Raumentwicklung, Dresden 16 May 2001
- Nijssen, D. & Meire, P. (2001) Floodings: threats and opportunities for integral water management. Symposium: Space for Water, AMINAL Water & VIWC, Brussels 14 Mai 2001
- Nijssen, D. & Meire, P. (2001) Nature development along the river Scheldt. 1st International Workshop on Pasture landscapes and Nature Conservation. Lüneburg 26-30 March 2001
- Nijssen, D. & Meire, P. (2000) Long-term vision for nature conservation in Flanders. European Centre for Nature Conservation Update vol 7 nr 4.
- Nijssen, D. & Meire, P. (2000) Mud transport and deposition in large rivers. Integrated water management symposium. Federation of Flemish polders. 10 October 2000.
- Nijssen, D. (2000) Grazing management with Aurox in the Jeker Valley. 6th meeting of SIERDAH (Syndicat International pour l'Élevage, la Réintroduction et le Développement de l'Aurochs de Heck). 18-19 Mai 1998.
- Nijss I., Nijssen D., Blum H., Hendrey G. and Impens I. (1996) Free air temperature increase: results and developments. FACE science meeting Durham.

Peer Reviewed Publications

- Schumann, A., Nijssen, D. and Pahlow, M. (2010). Handling uncertainties of hydrological loads in flood retention planning. *Journal of River Basin Management*, in Publ.
- Nijssen, D., Schumann, A, Pahlow, M. and Klein, B. (2009). Planning of technical flood retention measures in large river basins under consideration of imprecise probabilities of multivariate hydrological loads. *Natural Hazards and Earth System Sciences*, 9, 1–15.
- Pahlow, M., Schumann, A, Nijssen, D., Klein, B., Kufeld, M., Schüttrumpf, H., Hirschfeld J. und Petschow, U. (2009). Integrative Nutzung des technischen Hochwasserrückhalts in Poldern und Talsperren am Beispiel des Flussgebiets der Unstrut. *Hydrologie und Wasserwirtschaft* 53(3), 179–184.
- Rousseau, R.; Van Hecke, P., Nijssen, D. and Jan Bogaert (1999) The relationship between diversity profiles, evenness and species richness based on partial ordering. *Environmental and Ecological Statistics* 6, 211–223
- Nijssen, D.; R. Rousseau and Piet Van Hecke (1998). The Lorenz curve: a graphical representation of evenness. *Coenoses* 13(1), 33–38.
- Nijssen D. (1997) Heck cattle in the meadows of the Jeker. *De Nieuwe Wildernis*, theme number 'Nature development along large rivers'.

Book chapters

- Schumann, D. and Nijssen, D. (2009) Application of flood scenarios and multi-criteria decision making tools in polder planning. In: Andreas Schumann (Ed) *Flood Risk Assessment and Management*. Springer in publ.
- Nijssen, D., Pahlow, M. and Schumann, A. (2009). Entscheidungsunterstützung, chapter 7. In: Andreas Schumann (Ed). *Integrative Nutzung des technischen Hochwasserrückhalts in Poldern und Talsperren am Beispiel des Flussgebiets der Unstrut*, Schriftenreihe Hydrologie & Wasserwirtschaft Ruhr- Universität Bochum, Heft 23
- Meire, P., Van den Bergh, E., Ysebaert, T. & Nijssen, D.(2001) Nature development along the river Scheldt. *Proceedings of the 1st International Workshop on Pasture landscapes and Nature Conservation*. Lüneburg 26–30 März 2001

References

- dr. Ing. Markus Phalow: Dept. of Hydrology, Water- and Env. Management
markus.phalow@rub.de; +49 234 32 27619
- dr. Werner Schmidt: Owner Zoo Gut-Eversum
info@affen-und-vogelpark.de; +49 2265 8786
- ir. Ivo Temmerman: Section chief engineer Antwerp Mobile t.v
ivo.temmerman@grontmij.be; +32 15 451300
- dr. Hans Backx: Research group Ecosystem Management, University of Antwerp
hans.backx@ua.ac.be; +32 3 8202268
- ing. Jan Van Den Bossche: Direktor Grontmij Belgium nv.
freddy.vandervorst@grontmij.be; +32 15 451315