

PROFESSIONAL EXPERIENCE

2008 - present *Organisation:* Van Bommel FAUNAWERK, Wageningen, the Netherlands.
Post: Freelance advisor

Projects:

- Seconded as coordinator research at *Faunafonds*. The *Faunafonds* is concerned with agriculture - wildlife conflicts, advice on wildlife management and applied research in order to reduce agricultural damage:
 - compilation of the Research Programme 2009-2013: Development of innovative preventive measures and alternative population management methods;
 - liaise with research institutes consultancies, wildlife management organisations, farmers association, provincial authorities and conservation organisations active within the field of fauna damage control and wildlife management;
 - signalise developments and research questions and supervise research projects;
 - determine research objectives and provide feedback of the results to the commission research and the board of the Faunafonds;
 - preparation of several advices towards the Ministry relating wildlife management issues.
- Seconded as ecologist at the municipality of *Ede*:
 - provide advice on conservation legislation, national nature conservation legislation and Natura 2000 areas '*Veluwe*' and '*Binnenveld*', in regard to the spatial planning procedures;
 - provide advice regarding urban ecology and protected area management both to the municipality and private initiators;
 - coordinate and direct ecological surveys at municipal projects.
- Monitoring the usage of fauna-passages by mammals, amphibians and reptiles by infrared game camera's within the municipality of Ede.
- Drafted factsheets for animal species with ecological information and policy regulations for wildlife management in the province of Gelderland.
- Evaluation of the wildlife management in the province of Overijssel.
- Evaluation and management plan for fauna-passages and their function for habitat defragmentation.
- Assessment of the method Van Haaften to determine roedeer density in the province Drenthe.
- Evaluation of the wildlife management in the province of Utrecht.
- Ecological assessment of two varieties of ecological corridors: Hoekelumse Eng-De Grift, for the municipality of Ede.
- Handbook for the control of rabbits and the legal implications for the municipality of Emmen: damage control and management of rabbits in industrial areas, sporting grounds and cemeteries.
- Effect analysis on a wild boar population after the placement of a fence at an estate. Testified in court as a qualified expert.
- Development of a policy document, concerning the legal, design and management aspects of trees in built-up areas for the municipality of Wijk bij Duurstede.
- Various Ecological assessments for the Flora and fauna act and the Nature conservation act (national legislation incorporating Birds and Habitats Directive), in which the implications of a spatial development on protected species and protected areas were assessed, for consultancies, project developers and private persons.

Curriculum Vitae - Frans van Bommel

- 2006 - 2007 *Organisation:* Alterra, Green World Research - Centre for Ecosystem Studies, Wageningen, the Netherlands.
Post: Researcher
Projects:
- Outlining species' biology, population size and trend, ecological constraints and conservation objectives in order to reach a favourable conservation status for breeding birds species in the Netherlands for which Natura 2000 sites have been designated under the Birds Directive;
 - "Trends in geese populations", study towards population development at flyway level, the trend and distribution across the Netherlands and the usage of waterfowl accommodation areas - part of the evaluation of the Dutch wildlife policy;
 - "Waterfowl presence and crop damage", study investigating the relationships between geese and wigeon distribution and the occurrence of crop damage - part of the evaluation of the Dutch wildlife policy;
 - "Geese on Clay" project, a survey for possible alteration of agri-environmental measures for accommodating wintering geese, by adaptation of different crop and land use practices, on heavy clay soils in the Province of Zeeland;
 - "Wigeon foraging range", pilot study on distribution and foraging strategies of wintering wigeon in the Province of *Noord-Holland*.
- 2003 - 2006 *Organisation:* BirdLife International - European Division Office, Wageningen, the Netherlands.
Post: European Conservation Officer
Projects:
- Compilation of Birds in Europe: Population estimates, trends and conservation status (BirdLife International 2004);
 - Project: demarcation of Important Bird Areas (IBA) within the European Union, an inventory of IBA boundaries available at BirdLife's partner organisations;
 - Development of the project: Monitoring the conservation status of Special Protection Areas (SPAs) for birds through remote sensing (SPAMON);
 - Liaison with BirdLife's partner organisations, regarding information exchange for various conservation projects.
- 2002 - 2003 *Organisation:* Stichting Beheer Natuur & Landelijk Gebied (SBNL), NGO involved with agricultural and private nature conservation, Wijk bij Duurstede, the Netherlands.
Post: Consultant
Projects:
- Advising farmers and landowners regarding agri-environmental measures;
 - Development of a communication strategy for a volunteer cooperation and suggest options for restructuring its organisation;
 - Development of a poll under landowners regarding the governmental provision of information on agri-environmental measures and conservation issues.
- 2002 *Organisation:* Harry Oppenheimer Okavango Research Centre (HOORC), in Maun based research institute of the University of Botswana.

Curriculum Vitae - Frans van Bommel

M.Sc. thesis Wageningen University:

- Fieldwork determining herbivore distribution and classification of vegetation types;
- Analysis of habitat use by herbivore species by image classification.

1999 *Organisation:* Agricultural Technical & Extension Service (Agritex), Ministry of Agriculture, Mutema Irrigation scheme, Harare, Zimbabwe.

B.Sc. thesis Larenstein International Agricultural College:

- Analysis of irrigation requirement and assessment of salinity and sodicity hazard in relation to water source, soil type, and practice.

1998 *Organisation:* Belvedere Ltd. and Eastern Bananas Estate Ltd., papaya and banana producing estates, Jamaica.

Traineeship Larenstein International Agricultural College:

- Operation & maintenance of drip irrigation system and drainage system

EDUCATION

2002 Wageningen University, the Netherlands

M.Sc. Environmental Sciences

Main subject: Nature Conservation

Relevant subjects: ecology, wildlife biology, wildlife management, natural resource management, GIS, remote sensing, spatial statistics.

1999 Larenstein International Agricultural College, the Netherlands

B.Sc. Land, Water and Environmental Management,

Main subject: International Land and Water Management

Relevant subjects: irrigation & drainage, hydrology, soil science, vegetation science, GIS, rural development & extension services.

COURSES

2012 Training for documentation of tracks and signs of wolves, *LUPUS & Wildniswissen*, Germany.

2011 Course Identifying suitability of buildings and other objects for bats, *Zoogdiervereniging*, the Netherlands.

2010 Training Management of ungulates, Two-year course, *IPC Groene Ruimte*, the Netherlands.

SCIENTIFIC PUBLICATIONS

2017 Mooij, J.H. & Bommel, F.P.J. (2017) Auenrenaturierung in den Niederlanden: Evaluation der in den letzten 20 bis 25 Jahren realisierten Projekte. *Natur in NRW* 3/2017:12-16.

2010 Bommel, F.P.J. van & T.M. van der Have (2010) Increasing goose numbers, increasing costs? *De Levende Natuur* 111(1): Special issue Geese in The Netherlands and Flanders.

2006 Donald, P.F., F.J. Sanderson, I.J. Burfield and F.P.J. van Bommel (2006) Agricultural intensification explains spatial variation in declines of Europe's farmland bird populations, 1990-2000. *Agriculture, Ecosystems and Environment* 116(3-4):189-196.

2006 Sanderson, F.J., P.F. Donald, D.J. Pain, I.J. Burfield and F.P.J. van Bommel (2006) Long-term population declines in Afro-Palaearctic migrant birds. *Biological Conservation*

Curriculum Vitae - Frans van Bommel

131(1):93-105.

- 2006 Bommel, F.P.J. van, I.M.A. Heitkönig, G.F. Epema, S. Ringrose, C. Bonyongo and E.M. Veenendaal (2006) Remotely sensed habitat indicators for predicting distribution of impala (*Aepyceros melampus*) in the Okavango Delta, Botswana. *Journal of Tropical Ecology* 22:101-110.
- 2004 BirdLife International. I.J. Burfield and F.P.J. van Bommel, compilers (2004) *Birds in Europe: population estimates, trends and conservation status*. Cambridge, UK: BirdLife International. (BirdLife Conservation Series No. 12).

POPULAR-SCIENTIFIC PUBLICATIONS

2015. Bommel, van F.P.J., S.J. Vreugdenhil & M.J.J. La Haye (2015) De Das. KNNV Uitgeverij, Zeist.
- 2010 Groot Bruinderink, G.W.T.A., J.J.A. Dekker & F.P.J. van Bommel (2010) Landbouw en verkeer. In: Groot Bruinderink, G.W.T.A. & J.J.A. Dekker (Eds.), *Wilde Zwijnen*. KNNV Uitgeverij, Zeist, pp. 83-95.

REPORTS

- In 2008-2013 various ecological assessments for the Flora and fauna act and the Nature conservation act (national legislation incorporating the Birds and Habitats Directive).
- 2017 Guldemond, A., J. Thissen, H. Kloen, D. Keuper, B. Allema, W. van Dijk en F. van Bommel (2017) Faunabeheerplan algemene soorten Noord-Holland 2017-2023. CLM Onderzoek en Advies & Van Bommel Faunawerk.
- 2017 Kloen, H., J. Thissen, F. van Bommel, A. Guldemond, D. Keuper, B. Allema & W. van Dijk (2017) Faunabeheerplan algemene soorten Noord-Brabant 2017-2023. CLM Onderzoek en Advies & Van Bommel Faunawerk.
- 2017 Thissen, J. & F. van Bommel (2017) Faunabeheerplan Utrecht 2017-2021: Wildsoorten en landelijk vrijgestelde soorten. Rapportnr. 028-16. Van Bommel Faunawerk.
- 2017 Thissen, J. & F. van Bommel (2017) Gebiedsplannen problematiek met wilde zwijnen in Noord-Brabant: Heeze-Leende / Gemert-Bakel / Asten. Rapportnr. 026-16. Van Bommel Faunawerk.
- 2017 Van der Grift, E.A., F.P.J. van Bommel & D.R. Lammertsma (2016) De effectiviteit van maatregelen voor het reduceren van aanrijdingen met reeën. Wageningen University and Research & Van Bommel Faunawerk.
- 2017 Bommel, F. van (2017) Evaluatie Ganzenbeheerplan Schiphol 2013-2018: Stand van zaken na drie jaar. Rapportnr. 019-16. Van Bommel Faunawerk.
- 2016 Faunaschade Preventiekits (2016) voor de diersoorten: Dassen, Duiven, Eenden, Ganzen, Haasachtigen, Hertachtigen, Kleine zangvogels, Kraaiachtigen, Roofvogels, Wilde zwijnen, en Zwanen, i.o.v. BIJ12 en i.s.m. De Lynx en Van Bommel Faunawerk.
- 2015 Bommel, F. van, L. Linnartz & L. Floor (2015) Effectieve en praktisch uitvoerbare preventieve maatregelen ter voorkoming van predatie van vee door wolven. ARK Natuurontwikkeling en Van Bommel Faunawerk.
- 2015 Floor, L., L. Linnartz & F. van Bommel (2015) Haalbaarheidsstudie voor de opzet van een mobiel kuddewaakhondenteam. ARK Natuurontwikkeling en Van Bommel Faunawerk.
- 2015 Bommel, F. van, & J. Dekker (2015) Benutting faunapassages en identificatie

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- ontsnipperingsknelpunten van verkeerswegen in Ede. Van Bommel Faunawerk & Jasja Dekker Dierecologie.
- 2015 Bommel, F. van, & B. Houben (2015) Verslag excursie Dämmerwald omgang en beheer van wilde zwijnen. ARK Natuurontwikkeling en Van Bommel Faunawerk.
- 2015 Bommel, F. van, (2015) Evaluatie faunabeheerplan damhert Noord-Holland en Zuid-Holland. Van Bommel Faunawerk, Wageningen.
- 2014 Bommel, F. van (2014) Meerjarenprogramma Onderzoek 2014-2018: Praktijkgericht en wetenschappelijk onderzoek ter voorlichting en preventie van gewasschade. BIJ12 - Unit Faunafonds, Utrecht
- 2014 Bommel, F. van (2013) Evaluatie van het faunabeheerplan Overijssel 2009-2014. Rapportnr. 022-13. Van Bommel Faunawerk, Wageningen.
- 2013 Bommel, F. van (2013) Beheerplan faunapassages gemeente Ede: Huidig functioneren, herstelwerkzaamheden en beheerlijnen. Rapportnr. 020-13. Van Bommel Faunawerk, Wageningen.
- 2013 Bommel, F. van (2013) Konijnenproblematiek Noord-Houdringe: Effectiviteit en haalbaarheid oplossingsrichtingen. Rapportnr. 019-13. Van Bommel Faunawerk, Wageningen.
- 2013 Bommel, F. van, J. Dekker & G. Groot Bruinderink (2013) Beoordeling van de toepassing van de methode Van Haften op het ree in de provincie Drenthe. Alterra & Van Bommel Faunawerk, Wageningen.
- 2012 Bommel, F.P.J. van (2012) Evaluatie van het faunabeheer in Utrecht: op basis van het Faunabeheerplan 2009-2014. Rapportnr. 020-12. Van Bommel Faunawerk, Wageningen.
- 2009 Bommel, F.P.J. van (2009) Meerjarenprogramma Onderzoek 2009-2013: Ontwikkeling innovatieve preventieve middelen en alternatief populatiebeheer. Faunafonds, Dordrecht.
- 2009 Bommel, F.P.J. van (2009) Ecologische beoordeling varianten ecologische verbindingzone Hoekelumse Eng – De Grift, gemeente Ede. Rapportnr. 013-09. Van Bommel Faunawerk, Wageningen.
- 2008 Bommel, F.P.J. van (2008) Bomenbeleidsplan Wijk bij Duurstede. Rapportnr. 018-08. Van Bommel Faunawerk, Wageningen.
- 2008 Oord, J.G. & van Bommel, F.P.J. (2008) Handreiking voor het beheer van konijnen in de gemeente Emmen. Oord Faunatechniek en Van Bommel Faunawerk.
- 2008 Bommel, F.P.J. van (2008) Effectenanalyse van rasterplaatsing op Landgoed De Zandhoeve in Vierhouten voor wilde zwijnen. Rapportnr. 011-08. Van Bommel Faunawerk, Wageningen.
- 2007 Bommel, F.P.J. van, B.S. Ebbinge, R.G.M. Kwak, H. van der Jeugd, E. van Winden & M. van Roomen (2007) Populatieomvang van ganzen en Smienten en verspreiding binnen Nederland: Ontwikkeling in populatieomvang op relevant flyway niveau en verdeling over Nederland, met name binnen en buiten opvanggebieden. Technical report 2005/2006, Wageningen, Alterra.
- 2007 Bommel, F.P.J. van, R.G.M. Kwak, J.G.M. van der Gref-van Rossum, B.S. Ebbinge, M.A. Kiers & M.E. Sanders (2007) Ganzen, Smienten en landbouwschade: Onderzoek naar de relatie tussen ganzen- en Smientenverspreiding in de winter, en het optreden van gemelde vraatschade aan landbouwgewassen. Technical report 2005/2006, Wageningen, Alterra.

Curriculum Vitae - Frans van Bommel

- 2007 Oord, J.G., H.A.H. Jansman, F.P.J van Bommel & B.S. Ebbing (2007) Afschotregistratie ganzen en Smienten - rapportage seizoen 2005-2006. Technical report 2005/2006, Wageningen, Alterra.
- 2007 Jansman, H.A.H., J.G. Oord & F.P.J. van Bommel (2007) Inventarisatie van voorkomende nevenactiviteiten en overige verstoringen. Technical report 2005/2006, Wageningen, Alterra.
- 2006 Bommel, F.P.J. van, R.G.M. Kwak, H. van der Jeugd, A. Guldmond, A.G.G. van der Weijden (2006) Ervaren met de opvang van ganzen op de klei. Technical report 2005/2006, Wageningen, Alterra.
- 2006 Müskens, G.J.D.M., R.J.M. van Kats, D. Tanger, M. Witteveldt, A.H.P. Stumpel & F.P.J. van Bommel (2006) Pilotstudie naar het terreingebruik door Smienten in relatie tot de ligging van slaapplaatsen. Technical report 2005/2006, Wageningen, Alterra.
- Written several articles for SBNL's popular conservation magazines, *Inzicht in Natuur* and *Akkerkrant*.

SOFTWARE SKILLS AND LINGUISTIC ABILITY

Software skills:

Microsoft Office, Arcview, ArcGIS, SPSS, Erdas Imagine.

Linguistic ability:

Dutch native language

English fluent

German good