

CURRICULUM VITAE

Personal data:

Name: **Willem VAN WYNGAARDEN**
Date/Place of birth: 07-12-1946, Hagestein, The Netherlands
Nationality: Dutch
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Education:

Horticultural engineer : 1967, Horticultural College, Utrecht, The Netherlands
M.Sc. Soil Science : 1975, Wageningen University, The Netherlands
Ph.D. Ecology : 1985, Wageningen University, The Netherlands

Key Qualifications:

- Systematic conservation planning: planning, design and management of conservation areas
- Environmental projects: formulation, supervision, execution, monitoring and evaluation
- Application of Geographic Information Systems and Remote Sensing in the mapping, monitoring and management of natural resources

Languages:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Dutch	Excellent	Excellent	Excellent
Spanish	Good	Excellent	Moderate
French	Good	Excellent	Moderate
German	Good	Excellent	Moderate

Employment record:

- 2004 - present: Association "Grupo ARCO" (Áreas de CONservación), Bogota, Colombia
Position held: Executive director / Researcher / consultant
Description of duties: Research and consulting in the field of biological conservation, environmental impact assessment, sustainable development
- 2003 (July-August): New South Wales National Parks and Wildlife Service, Armidale, Australia.
Position held: Visiting Scientist
Description of duties: Comparison of systematic conservation planning methodologies
- 1998 - 2004: Pontificia Universidad Javeriana, Bogotá, Colombia.
Position held: Professor titular
Description of duties: Education in the pre-graduate program of Ecology and post-graduate program of Environmental Management
- 1997: Secretaría de Educación del Distrito Capital, Bogotá
Position held: Consultant
Description of duties: Design and implementation of a SIG for the planning of educational centers in the low income zones (SIGEDUC)
- 1995 - 1996: International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, The Netherlands.
Position held: (Full) Professor of Vegetation and Agricultural Land-use Survey (part time)
Description of duties: Supervision of the Ph.D program.
- 1990 - 1995: International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, The Netherlands.
Position held: (Full) Professor of Vegetation and Agricultural Land-use Survey;
Description of duties: Responsible for the conduct and quality of teaching (post-graduate diploma 20-30 students, M.Sc 5-10 students and Ph.D 2-5 students), research and consulting of a team of 12-16 scientific staff.
- 1982 - 1989: International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, The Netherlands.
Position held: Senior lecturer in the Division of Vegetation and Agricultural Sciences of the Department of Land Resource Survey and Rural Development.
Description of duties: Lecturing natural resources survey, land evaluation and conservation in post-graduate and M.Sc programs; research into the application of Remote Sensing and GIS in natural resource management; research into modeling of ecosystem dynamics; execution of consulting projects
- 1980 - 1981: Directorate general of International Cooperation of the Ministry of Foreign Affairs (DGIS), The Hague, The Netherlands; Seconded to the RURGS Project, Bamako, Mali.
Position held: Bilateral expert.
Description of duties: As member of a multi-disciplinary team, responsible for the natural resource survey and land evaluation of the Baoule National Park / Biosphere Reserve in the context of the preparation of a management plan.
- 1979: International Soil Reference and Information Center, Wageningen, The Netherlands.
Position held: Researcher.

Description of duties: Elaboration of the maps and report of the survey of Soils and Vegetation of Tsavo National Park, Kenya.

1975 - 1978: Netherlands Foundation for the Advancement of Tropical Research (WOTRO), The Hague, The Netherlands; Seconded to the Tsavo Research Station, Voi, Kenya.

Position held: Researcher.

Description of duties: Inventory of climate, soils and vegetation of Tsavo National Park; measurement of vegetation productivity; study of vegetation - elephant interactions; environmental impact of different types of land-use

Professional experience (last 10 years):

Period: 2009

Country/Institution: Colombia, CORTOLIMA

Description: Capacity building in Systematic Conservation Planning and design of a regional system of conservation areas for the Tolima department

Period: 2009

Country/Institution: Colombia, CORNARE

Description: Capacity building in Systematic Conservation Planning and design of a regional system of conservation areas for the territory of CORNARE

Period: 2008

Country/Institution: Colombia, CAM

Description: Formulation of the Forestry Ordination Plan for the Huila Department

Period: 2008

Country/Institution: Colombia, Ministry of Agriculture

Description: Panel Agriculture and Climate Change

Period: 2007

Country/Institution: Colombia, CORPONARINO

Description: Capacity building in Systematic Conservation Planning and design of a regional system of conservation areas for the department of Nariño

Period: 2007

Country/Institution: Colombia, CAM

Description: Capacity building in Systematic Conservation Planning and design of a regional system of conservation areas for the department of Huila

Period: 2007

Country/Institution: Colombia, UNDP - UAESPNN (National Parks)

Description: Evaluation of the GEF – BioMacizo project

Period: 2005 - 2006

Country/Institution: Colombia, Ministry of Environment - UAESPNN (National Parks)

Description: Vulnerability and irreplaceability analysis of the priorities for biological conservation

Period: 2005

Country/Institution: Colombia, Dutch Embassy

Description: Desk study of the possible implications of the proposed Forest and Water laws

Period: 2005

Country/Institution: Colombia, UNODC, United Nations Office on Drugs and Crime

Description: Evaluation of the Program "Familias Guardabosques" in Nariño

Period: 2004 - present

Country/Institution: Colombia, Grupo ARCO

Description: Design of the conservation planning software FOCALIZE

Period: 2004

Country/Institution: Bolivia, Ministry of Environment - Netherlands Commission for Environmental Impact Assessment in Development Cooperation

Description: Strategic Environmental Assessment of the Salar the Uyuni region.

Period: 2001 – 2003

Country/Institution: Colombia, Ministry of Environment - UAESPNN (National Parks)

Description: Focalization of Priorities for Biological Conservation in Colombia

Period: 2001 – 2002

Country/Institution: Colombia, CRQ (Corporación Regional de Quindío) - National Parks

Description: Representativeness, vulnerability analysis and zoning for the management of the Los Nevados National Park

Period: 2000

Country/Institution: Colombia, Fundación PROSIERRA

Description: Formulation of the Conservation Strategy for the Sierra Nevada de Santa Marta.

Period: 1999

Country/Institution: Colombia, Ministry of Environment - UAESPNN (National Parks)

Description: Mid-term evaluation "Proyecto de Manejo Integral de los Parques Nacionales del Pacifico Colombiano".

Period: 1999

Country/Institution: Colombia, Alexander Von Humboldt Institute

Description: Analysis of the representativeness and transformation of the Andean Ecosystems.

Publications (most relevant):

Fandiño-Lozano, M. and W. van Wyngaarden, *submitted*. FOCALIZE: a new selection algorithm and its application to Colombia.

Wyngaarden, W. van & M. Fandiño-Lozano, 2008. FOCALIZE-1: User Manual (Version 1-0-6). Grupo ARCO, Bogotá. 58 pp.

Wyngaarden, W. and M. Fandiño-Lozano, 2005. Mapping of actual and potential ecosystems and chorological types for conservation planning in Colombia. *Diversity and Distributions* 11, 461-473.

Fandiño-Lozano, M. y W. van Wyngaarden, 2005. Prioridades de Conservación Biológica para Colombia. Grupo ARCO, Bogotá. 188 pp.

Fandiño-Lozano, M. y W. van Wyngaarden, 2003. El Rol de la Fauna en la Selección de Áreas de Conservación Biológica. Pp. 205-209 en: R. Polanca-Ochoa (Ed.), *Manejo de fauna silvestre en*

amazonía y latinoamérica. CITES –Fundación NATURA, Bogotá.

Wyngaarden, W. y M. Fandiño-Lozano, 2002. Los Nevados: un caso de selección y zonificación de áreas de conservación biológica. Serie de Investigación 4, IDEADE, Pontificia Universidad Javeriana, Bogotá. 60 pp.

Etter, A. and W. van Wyngaarden, 2000. Patterns of Landscape Transformation in Colombia. *Ambio*, Vol. 29, No. 7, pp. 432-439.

Wyngaarden, W. van, 1997. Tecnologías de Apoyo a la Planificación y Manejo de las Tierras. Pp. 63-70 en: Estudios en la Amazonia Colombiana XIII, TROPENBOS-Colombia, Santa Fe de Bogotá, Colombia.

Toxopeus, A.G. and W. van Wyngaarden, 1994. An interactive spatial modelling (ISM) system for the management of the Cibodas Biosphere Reserve (West Java, Indonesia). *ITC Journal* 1994-4: 385-391.

Wyngaarden, W. van, 1991. The green cover of the Earth: a dynamic resource in a changing environment. *ITC Journal* 1991-3: 113-121.

Heist, M. van, W. van Wyngaarden and H. Huizing, 1988. Monitoring Tunisia's steppes. *ITC Journal* 1988-3: 232-237

Meijerink, A.M., W. van Wyngaarden, S. Amier Asrun and B.H. Maathuis, 1988. Downstream damage caused by upstream land degradation in the Komering river basin. *ITC Journal* 1988-1: 96-108.

Wyngaarden, W. van, 1985. Elephants-Trees-Grass-Grazers; relationships between climate, soils, vegetation and large herbivores in a semi-arid ecosystem (Tsavo, Kenya). ITC-Publication No.4, ITC, Enschede, The Netherlands. (159 pp.).

Professional references

Prof.Dr.Ir. Klaas Jan Beek, Chairman of the Commission for Environmental Impact Assessment in Development Co-operation, Utrecht, The Netherlands. Emeritus rector of the International Institute for Aerospace Survey and Earth Sciences (ITC), Enschede, The Netherlands.. E-mail: beek@itc.nl or mer@eia.nl

Dr. Julia Miranda, Director of the National Parks of Colombia (UAESPNN), Bogotá, Colombia. E-mail: jmiranda@parquesnacionales.gov.co

Prof.Dr. Bob (R.L.) Pressey, Professor, ARC Centre of Excellence for Coral Reef Studies, Townsville, Australia. E-mail: bob.pressey@jcu.edu.au

Dr. Angela Umaña, Academic Dean of the Faculty of Science, Javeriana University, Bogotá, Colombia. E-mail: aumana@javeriana.edu.co

Prof.Dr.Ir. Izaak S. Zonneveld, Professor (em.) in Landscape Ecology, Wageningen University, Wageningen, The Netherlands. E-mail: Ies.Zonneveld@cs.com

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