

CURRICULUM VITAE

Name : Anne Frederike van Loon
First name : Anne
Date of Birth : 25 May 1981
Nationality : Dutch
Main Disciplines : Hydro(geo)logy, Hydraulics, Water management, Geology, Ecology, Simulation Models and Earth System Science
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Key Qualifications

Anne van Loon has been employed at FutureWater since June 2006. She recently graduated as a hydrologist at Wageningen University, after following the B.Sc. program Soil, Water and Atmosphere and the M.Sc. program on Hydrology and Quantitative Water Management. During her studies she focused on: hydro(geo)logy, hydraulics, water management, geology and ecology. For her graduation she joined a research group at WL|Delft Hydraulics to model sediment transport in the Waddensea, the Netherlands. Furthermore, she participated in research on climate modelling at KNMI. She improved vegetation algorithms in a Land Surface Scheme and contributed to the communication of climate change scenarios to water managers in the Netherlands. Anne performed her master thesis research in a mangrove area in Vietnam. She investigated the influence of the hydrology, and especially the tidal regime, on the natural and planted mangrove vegetation in the area. This study included two months of fieldwork in the mangrove swamp. More field experience she gained in Ecuador, where she worked during five months for a Forestry Organisation investigating the impact of tree plantations in the Andes on hydrology and soil. Furthermore, Anne joined a four month international study program on the Geology, Hydrology and Ecology of Western Norway.

Educational background

2006 MSc Hydrology and Water Quality, Specialization Hydrology and Quantitative Water Management, Department of Environmental Sciences, Wageningen University, The Netherlands.
Main Disciplines: Hydrogeology, Hydraulics, Eco(hydro)logy, Geo(morpho)logy, Earth System Science, Modelling.
Graduated "with distinction"

2002 BSc Soil, Water and Atmosphere, Specialization Hydrology, Water Quality and Water Management, Wageningen University, The Netherlands.
Graduated "with distinction"

1999 Pre-University Education, Stedelijk Gymnasium Arnhem, The Netherlands.
Graduated "with distinction"

Professional Experience

2006 – present Hydrologist, FutureWater, Wageningen, The Netherlands.
2004 – 2006 Workshop "Models in hydrology", VWO-campus, Wageningen University
Activities: develop a computer practical for college students and their teachers, write a manual, and give the workshop at various occasions.



- 2004 (Sep) Excursion and field practical Hydrology for International course on Drainage, ILRI (International Institute for Land Reclamation and Improvement), Wageningen University & Research centre
Activities: guide a group of foreign participants on an excursion in the surroundings of Wageningen, lead a field practical hydrology.
- 2003 (Jan-May) Soil research in forestry plantations in the Andes, PROFAFOR del Ecuador, Programa de FACE de Forestacion, Quito, Ecuador
Activities: evaluation of soil characteristics and local features for the different planting projects, research to the possible effects of planting on soil, water, erosion, micro-climate, etc., formulate advises for management and monitoring of the plantations, give instructions to local staff members.
- 2001 – 2002 Staff member Communication consultancy “De Lynx”, Wageningen
Activities: short projects, including adjusting of the webpage “Landwerk”, coordination of the publicity stunt “Regional organic products”, etc.
- 2001 (Sep-Nov) Coordinator publicity Milieubedrijf 2000+, Wageningen
Activities: write the publicity plan 2003, execute some publicity activities (write press reports, etc.).

Overseas Professional Experience

Ecuador, Kenya, Norway, Vietnam

Selection of Assignments and Projects

- 2006 Principal investigator of the Partners for Water project: “WatManSup, Integrated Water Management Support Methodologies: a case study in Kenya, Iran and the Netherlands”, project to assist water managers and policy makers to improve water for food decision making, including environmental issues and climate change (www.futurewater.nl/watmansup).
- 2006 Principal investigator of the project “Surface Water Evaporation”, exploration of different calculation methods for Wetterskip Fryslân, a Waterboard in the Netherlands.

Study related Activities

- 2005 (Sep-Oct) Scientific article “Hydrological site characterisation for mangrove rehabilitation projects; a case study in Can Gio, Vietnam”, in preparation at Aquatic Botany.
- 2005 (Jul) Summer course “Climate and the Hydrological cycle”
Utrecht University, Vrije Universiteit Amsterdam, Wageningen University.
- 2002 (Aug-Dec) International Study Programme “From Mountain to Fjord”, Geology and Ecology of Western Norway, HSF Høgskulen i Sogn og Fjordane, Sogndal, Norway.
- 2001 (Jun) YWWF, Youth World Water Forum, Vlissingen, The Netherlands.
- 2000 (Mar) WWF 2, World Water Forum 2, The Hague, The Netherlands.
- 1999 - 2006 Various workshops, study days and conferences about water.



Other Activities

- 2003 - present Coordinator dance company E♦motion, Wageningen
Activities: establish and guide a dance company, recruit dancers, publicity, administration, arrange and coordinate performances.
- 2004 - 2006 Education committee Pyrus (Student union "Soil, Water and Atmosphere")
Activities: discuss with study coordinators, teachers, and fellow students on the study program, the quality of subjects, etc.
- 2000 - 2001 Yearbook committee Pyrus (Student union "Soil, Water and Atmosphere")
Activities: contact printing office, elaborate the theme, seek sponsors, take interviews, editing & lay-out, organise and execute the presentation of the yearbook.
- 2001 - 2002 Coach Supporting Committee WSR Argo (Student Rowing Club Wageningen)
Activities: support rowing coaches, adjust manual "Row technique", lead course on coaching.
- 2000 - 2002 Coach rowing team WSR Argo (Student Rowing Club Wageningen)
- 2000 - 2002 Secretary in the JMA board, Youth Environmental Club, division Wageningen
- 1999 - 2002 Active member JMA, Youth Environmental Club, division Wageningen
Activities: various projects to raise awareness of environmental problems and possible practical solutions among students, university staff and board and citizens of Wageningen.

Language skills

Dutch: mothertongue.

English and Spanish: fluent, written as well as spoken.

French, Norwegian and German: fair.

Computer Skills

Standard software: MS Office suite (Word, Excel, PowerPoint, Access)

GIS/RS: ArcGIS, ArcView

Simulation Models: MicroFEM, Delft3D, WEAP, SWAT

Other: LDM, LaTeX, NCO, CorelDRAW, Gnuplot, GMT

Programming: MATLAB, Fortran

Operating systems: Unix/Linux, Windows

Publications

Loon, A. F. van. 2006. Hydrological site Characterisation for mangrove rehabilitation projects: a case study in Can Gio, Vietnam. In preparation.

Loon, A. F. van. 2006. Carbon fluxes and LAI evolution in the ECMWF land surface scheme (C-TESSSEL): Part B: Global evaluation. De Bilt, the Netherlands: Royal Dutch Meteorological Institute, Scientific report; WR 2006-03.

Loon, A. F. van. 2005. Water flow and tidal influence in a mangrove-delta system, Can Gio, Vietnam. MSc thesis Wageningen University, Department of Environmental Sciences, Sub-department Water Resources, 159p.

Loon, A. F. van. 2005. Fine Sediment transport in the Western Wadden Sea. WL|Delft Hydraulics

