

## Academic publications

---

Groen, J., 2002. The effects of transgressions and regressions on coastal and offshore groundwater. Ph.D. Thesis Vrije Universiteit Amsterdam, pp 192.

Groen, J., Velstra, J. and Meesters, A.G.C.A., 2000. Salinization processes in paleowaters in coastal sediments of Suriname: evidence from  $\delta^{37}\text{Cl}$  analysis and diffusion modeling. *Journal of Hydrology* 234, 1-20.

Groen, J., Post, V. E. A., Kooi, H. and Hemker, C.J., 2000. Palaeohydrogeology of the sedimentary plain of Suriname. In: *Proceedings TraM'2000 Conference on Tracers and Modelling in Hydrogeology*, Liege Belgium. IAHS Publication No 262, 417- 424.

Groen, J., H. Kooi. V.E.A. Post & J.J. de Vries (2000). Fresh and moderately brackish groundwaters in coastal plains and continental shelves: Past and ongoing natural processes. *Proc. SWIM 16*, Poland, 8 pp.

Groen, J., 1998. Hydrogeological investigations in Suriname. In T. E. Wong, D. R. De Vletter, L. Krook, J. I. S. Zonneveld, and A. J. Van Loon (Eds.), *The history of earth sciences in Suriname*. Royal Netherlands Academy of Arts and Sciences, Netherlands Institute of Applied Geoscience TNO, 129-174.

Groen, J. & Zaadnoordijk, W.J. 1994 An integrated groundwater management model for searching optimal solutions with a genetic algorithm. *First International Conference on Hydroinformatics*, IHE, Delft.

Groen, J. 1994. Een integraal beheersmodel met een genetisch algoritme ter ondersteuning van de besluitvorming in water- en milieuprojecten. *H<sub>2</sub>O* 27 (7), 187-192.

Groen, J. 1988 Nitrate rich groundwater in villages of Northwestern Burkina Faso, *African Journal of Earth Sciences* 7, 999-109.

Klaassen, W. and A.C. De Vries, 1997. Landscape heterogeneity and surface roughness. *Remote Sensing Newsletter* no. 66.

Kooi, H., Groen, J. and Leijnse, A., 2000. Modes of seawater intrusion during transgressions. *Water Resources Research* 36, 3581-3589.

Kooi, H. and Groen, J., 2001. Offshore continuation of coastal groundwater systems; predictions using sharp-interface approximations and variable-density flow modelling. *Journal of Hydrology* 246, 19-35.

Kooi, H. and J. Groen (2000). Groundwater resources in coastal areas: past and ongoing natural processes. In: *Evaluation and Protection of Groundwater Resources*. Proceedings of a IAH conference in Wageningen, September 2000, Delft, TNO-NITG, pp. 45-57.

Post, V.E.A., H. Kooi, J. Groen & J.J. de Vries, 2001. Modelling the influence of sea level change and geological processes on the distribution of fresh and salt water in the Netherlands coastal areas. *Proc. SWICA M3*, Morocco, 4 pp.

Post, V.E.A., Hooijboer, A.E.J., Groen, J., Gieske, J.M.J. and Kooi, H., 2000. Pore water chemistry of clay layers in the southern North Sea: clues to the hydrogeological evolution of coastal areas. *Proceedings 16th SWIM Conference*, Miedzydroje-Wollin Island, 127-132.

Roling, WFM Van Breukelen, BM, Braster M, Goeltom, MT, Groen, J. Van Verseveld HW. 2000 Analysis of Microbial communities in a landfill leachate polluted aquifer using a new method for anaerobic physiological profiling and 16S rDNA based fingerprinting. *Microbial Ecology* 40 177-188.

Tuinhof, A. et.al. 2003. Recharge enhancement and sub surface storage: a promising option to cope with increasing storage needs. *Management of Aquifer Recharge*, NCC-IAH publication no.4, 2003, Utrecht, The Netherlands.

Tuinhof A. et. Al. 2003 Major trends in Groundwater Development: Opportunities for Public-Private Partnership?. *Water Resources Development*, Vol 19, No.2, 203-219, June 2003.

Tuinhof, A. et.al. 2000 "The Role of Groundwater in the World Water Vision"; In: *Evaluation and Protection of Ground Water Resources; from Vision to Action*, page 1-14; Netherlands National Committee for IAH and UNESCO, September 2000, Wageningen, The Netherlands.

"Global Water Resources and Industrial Water Management: Trends and challenges" First Shell Industrial Water Management Conference, Noordwijkerhout, November 2-3, 1999,

Tuinhof, A. et.al. 1998 "Framework for Groundwater Planning and Management". Second Round Table Meeting on Groundwater Protection in Arid and Semi-arid Regions, Cairo, September 6-10.

Tuinhof A. and F. Radstake. 1996 "Application of Multi-Criteria Analyses: a Practical Groundwater Perspective" Regional Seminar on the Use of Decision Support Systems in Water Resources Management, Syria, October 28-30.

Tuinhof, A. and F.A.R. Attia. 1994 "Groundwater Resources Management: Concepts, Experiences and the role of International Co-operation". *Netherlands Hydrogeological Research in International Co-operation*, pp. 101-113). Netherlands Committee of the International Association of Hydrogeologists.

Tuinhof, A. 1993 "Tube Well Drainage and Regional Groundwater Planning in Egypt". *Water for Sustainable Development in the 21st Century*, pp. 227-235); *Water Resources Management Series*, Oxford University Press.

Tuinhof, A. 1992. "Organization and Management of Groundwater Planning: Implementation and Feedback". *International Journal of Water Resources Development*, V8, no. 2.

Tuinhof, A. and S.M. Farid. 1991. "Groundwater planning in the Desert Fringes of the Nile Delta. *Water Sciences*, 10th special issue, Cairo.

Tuinhof, A., S.M. Farid, H.v.d. Mandele and A.B.M. Lennaerts. 1989. " Technical-economic screening for groundwater planning". *International Journal of Water Resources Development*, V5, no. 4, December.

Tuinhof, A. and F.A.R. Attia. 1989. "Feasibility of Tube-well Drainage in the Nile Valley" *Land Drainage in Egypt*, Drainage Research Institute, Cairo, Egypt.

Van Breukelen, BM, Groen, J. Jonker H Meijer H A.J. 2001 Carbon chemistry in a landfill leachate plume : hydrochemical modelling using <sup>13</sup>C isotopes.

Van Dam, R.L., Van Den Berg, E.H., Van Heteren, S., Kasse, C., Kenter, J.E.A. and Groen, J., 2000. Influence of organic matter on radar-wave reflection: sedimentological implications. *Journal of Sedimentary Research* 72(3), 341-352.

De Vries, A.C., J.C. Ritchie, W. Klaassen, M. Menenti, W.P. Kustas and A. Rango, 2002. Effective aerodynamic roughness estimated from surface features measured using an airborne laser altimeter. Accepted by Journal of Remote Sensing.

De Vries, A.C., 1999. Land surface roughness and remote sensing. PhD thesis.

De Vries, A.C., J. Skornsek and J.V. Bentinck, 1998. Land use mapping of Delhi's rural-urban fringe using remote sensing. In: Lorup, E. and J. Strobl (Eds.): IDRISI GIS 97 Salzburg Geographische Materialien, Salzburg.

De Vries, A.C., W. Klaassen and A.C. Van Den Broek, 1998. Landscape heterogeneity part II. Report NRSP -2/98-16.

De Vries, A.C. and W. Klaassen, 1997. Landscape scale and vegetation height from Remote Sensing. BCRS report NRSP -2/96-33.

De Vries, A.C., J.C. Ritchie, M. Menenti and W.P. Kustas, 1997. Aerodynamic roughness estimated data. Pre-prints 12th AMS Symposium on Boundary Layers and Turbulence, Vancouver, Canada, 289-291.

Volkering, Van Breukelen, Groen, Meijer. Application of isotope analysis in soil pollution research. Consoil 2000 theme C.