

NAME: (Title; initials; name): Ir H.W. ter Maat

University / Department: Wageningen University and Research Centre,
Environmental Sciences Group, Chair group Earth System Sciences

GENERAL INFORMATION

DATE OF BIRTH: 04-05-1974

CURRENT POSITION: Research scientist

EXPERTISE

(key words):

- Climatology, Mesoscale meteorology, Micrometeorology, Soil physics, Land-atmosphere interactions

QUALIFICATIONS

1998 MSc degree Soil, Water And Atmosphere, speciality Meteorology, Wageningen University

CAREER

1997-1998: Project researcher in Columbia Plateau PM10 project (CP3-project), Univ of Idaho, Moscow, United States

1998-1999: Project Scientist, RIVM, Bilthoven, The Netherlands

1999- : Research Scientist, Alterra, Wageningen University & Research Centre, Wageningen, The Netherlands

Publications 2001 – 2006:

- Dolman, A.J., R.W.A. Hutjes, G.J. Nabuurs, M.J. Schelhaas, H.W. ter Maat, E. Moors, J. Huygen, R. Haarsma, R. Ronda, M. Schaeffer, R. Leemans, L. Bouwman, G. Busch, B. Eickhout, E. Kreileman, B. Strenger, B. de Vries, F. Willemsen, C. Dorland, R. Tol, A. Verhagen, L. Vleeshouwers, G. Kruseman, E.C. van Ierland, A.A.M. Holtslag, R. Ronda (2001) Land Use, Climate and Biogeochemical Cycles: Feedbacks and Options for Emission Reduction. NOP Report no. 410 200 107, 222 pp.
- Hutjes, R.W.A., B. Gioli, M. Schumacher, H.W. Ter Maat, A.J. Dolman, F. Bosveld, A. Vermeulen, J. Vila (2002) Integrating surface and boundary layer observations of CO₂ exchange in heterogeneous landscapes: experiences from the RECAP campaign in the Netherlands, Proceedings of 15th symposium on boundary layers and turbulence, pp. 528-531
- Ter Maat, H., Waterloo, M.J. (2003) Modelling the water and energy balances of Amazonian rainforest and pasture, in: P. Kabat, M.O. Andreae, M.A. Silva-Dias, J.A. Veraart & N.J. Brink (eds.) Dutch nat. Res. Programme global Air Pollut. Climate Change Rep. 410200125, pp. 45-50
- Kroes, J.G., P. Droogers, R. Kumar, W. Immerzeel, R.S. Khatri, A. Roelevink, H.W. ter Maat, D.S. Dabas (2003) 'A regional approach to model water productivity', in: J.C. van Dam and R.S. Malik (eds.) Water productivity of irrigated crops in Sirsa district, India pp. 101-120
- Dolman, A.J., Van Der Molen, M.K., Ter Maat, H.W., Hutjes, R.W.A. (2004) The effects of forests on mesoscale atmospheric processes. In Mencuccini, M., Grace J.C., Moncreiff, J., and McNaughton, K. (eds) "Forest at the Land-Atmosphere Interface"
- Jacobs, C.M.J., Moors, E.J., Ter Maat, H.W., Teuling, R. (2005) Validation of ELDAS products using in situ observations, in: Proceedings of the ECMWF/ELDAS workshop on land surface assimilation. - Reading (UK): ECMWF, 2005 - p. 167 - 177.
- Hutjes, R.W.A., Ter Maat, H.W., Ohba, R., Ueda, H. (2006) Meteorological impact assessment of possible large scale irrigation in Southwest Saudi Arabia. In: Proceedings of the 1st iLEAPS Science Conference, pp. 197-198
- Ter Maat, H.W., Hutjes, R.W.A. (2006) Simulation of carbon exchange using a regional model. In: Proceedings of the 1st iLEAPS Science Conference, pp. 353-355
- Ter Maat, H.W., Hutjes, R.W.A., Ohba, R., Ueda, H., Bisselink, B., Bauer, T. (2006) Meteorological impact assessment of possible large scale irrigation in Southwest Saudi Arabia. Global And Planetary Change, 54, pp. 183-201
- Hutjes, R.W.A., Ter Maat, H.W., Ohba, R. (2006). Irrigation produces rain. Grid IPTRID Network Magazine, 2006(25), 6-8.