

About the Editors



Wim de Vries (1959) is a senior research scientist at Alterra, part of Wageningen University and Research Centre. He is also professor at the Environmental Systems Analysis Group of Wageningen University, where he holds the chair “Integrated nitrogen impact modelling”.

He holds both a Ph.D. (cum laude) and MSc. in Soil Chemistry at Wageningen University. From 1982–1983 he worked at the South Australian Department of Agriculture, Adelaide, South Australia, where he investigated the effects of land use changes on the salinity of a drinking water reservoir. He then moved to the Netherlands Soil Survey Institute (1983–1988) where he studied soil acidification in response to changed nitrogen and sulphur inputs. From 1989–1999 he worked at the DLO-Winand Staring Centre, mainly concentrating on critical loads of nitrogen, acidity and heavy metals in view of effects on terrestrial ecosystems. Since 2000, he works at Alterra. He has been project leader of numerous multi-partner national and international projects on integrated assessment of agricultural management on air, soil and water quality, on critical loads of nitrogen, acidity and metals on terrestrial ecosystems and on impacts of air quality and climate change on ecosystem services.

His research is currently organized around impacts of the changes in land management, air quality and climate on soil and water quality, biodiversity, forest growth and carbon sequestration. His specific expertise is related to the development, validation and application of soil models at various scales.

Alterra Wageningen University, Wageningen, The Netherlands



Jean-Paul Hettelingh (Amsterdam, 1954) directs the Coordination Centre for Effects (CCE) located at the Dutch National Institute for Public Health and the Environment (RIVM) since 1990. With his CCE colleagues he collaborates with a European network of scientific and policy institutions under the LRTAP Convention of the United Nations (UNECE) to support assessments of ecosystem effects of European air pollution policies.

His academic background is econometrician (MSc.) and he holds a Ph.D. in economics at the Free University (Amsterdam) with a focus on uncertainty in the modelling of regional environmental systems. He started with research positions in the field of integrated assessment modelling (1978–1985) at the Institute for Environmental Studies at the Free University. He then (1986–1989) moved to the International Institute for Systems Analysis (IIASA, Austria) to contribute to the development of the Regional Acidification, Information and Simulation (RAINS) model. He performed parts of his Ph.D. work at IIASA, and at the Environmental Sciences Division of Oak Ridge National Laboratory (Oak Ridge, Tennessee, USA). Since 1989 he joined RIVM from where he held a part time professorship in environmetrics (1997–2002) at the Institute of Environmental Sciences (CML) at Leiden University (Leiden, The Netherlands).

His research focus is on impact analysis in broad scale integrated assessment models. Results are published from work under the Asian Development Bank, the World Bank, the UNECE, the European Environment Agency and the European Union.

RIVM—Coordination Centre for Effects, Bilthoven, The Netherlands



Maximilian Posch (Vienna, 1953) is a senior researcher at the Coordination Centre for Effects (CCE) located at the Dutch National Institute for Public Health and the Environment (RIVM). The CCE is the data and modelling centre of the ICP Modelling & Mapping under the UNECE LRTAP Convention.

He holds a Ph.D. in Physics and a MSc. in Mathematics from the Technical University of Vienna. From 1981–1989 he worked at the International Institute for Applied Systems Analysis (IIASA) in Laxenburg (Austria), first on the minimisation of air pollution by district heating, funded by the City of Vienna, and then on the design and development of the integrated assessment model of acidification in Europe (the RAINS/GAINS model). During 1987–1989 he also worked for the Austrian Institute of Technology (formerly: Austrian Research Centers), finishing his Ph.D. in Theoretical Physics. From 1990–1994 he worked at the Finnish Water and Environment Research Institute (now: Finnish Environment Institute, SYKE) in Helsinki on the environmental impacts of acid deposition and agricultural practices. There he also participated in many collaborative projects funded by the Nordic Council of Ministers, developing the critical load methodology and mapping in the Nordic countries. Since 1995 he works at the RIVM.

His research focuses on developing and implementing tools and models dealing with the effects of air pollutants and climate change on terrestrial and aquatic ecosystems on a site and regional scale, and the transfer of that knowledge to policy making.

RIVM—Coordination Centre for Effects, Bilthoven, The Netherlands

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