

Prof. Dr. Claas Nendel

Position: Co-Head of Research Area 4 *Simulation and Data Science*
Head of WG Landscape Modelling (LSM)
Professor of Landscape System Analysis, University of Potsdam



Academic education and scientific degrees

01/2014	Habilitation, Berlin University of Technology
12/2002	Dr. rer. nat., Braunschweig University of Technology Carolo-Wilhelmina
10/1991 – 12/1997	Braunschweig University of Technology Carolo-Wilhelmina (Diploma in Geocology), Ås Agricultural University of Norway, Oslo University, Norway

Professional experience

Since 04/2020	Professor for Landscape Systems Analysis (joint appointment with ZALF), University of Potsdam, Germany
Since 06/2018	Member of the Integrated Research Institute on Transformations of Human-Environment Systems (IRI THESys) at Humboldt University, Berlin
02/2018 – 12/2028	Senior Scientist at the Global Change Research Institute, Brno, Czech Republic
Since 01/2025	Co-head Research Area 4 <i>Simulation and Data Science</i> at ZALF
01/2018 – 12/2024	Co-head Research Platform <i>Data Analysis and Simulation</i> at ZALF
06/2014 – 12/2017	Acting Head Institute of <i>Landscape Systems Analysis</i> at ZALF
09/2011 – 10/2011	Visiting Scientist at University of Florida, Gainesville, USA
05/2007 – 05/2014	Senior Scientist at ZALF
01/2003 – 04/2007	Senior Scientist at the Leibniz Institute for Vegetable and Ornamental Crops, Großbeeren, Germany
08/1999 – 10/2002	Team leader at the Rhineland-Palatinate State Education and Research Centre for Agriculture, Viticulture and Horticulture, Neustadt an der Weinstraße, Germany

Research Profile

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| Background | <ul style="list-style-type: none">▪ Agro-ecosystem modelling with focus on water and matter dynamics▪ Soil science/Agroecology▪ Remote sensing |
| Research Activities | <ul style="list-style-type: none">▪ Simulation of yield formation, water and nutrient uptake of crops▪ Economic and ecological assessment of crop rotations and management strategies using simulation models▪ Analysis, parameter estimation and modelling of soil organic matter and crop residue mineralization |

Functions and memberships

2024	Co-chair of the first national congress on "Agriculture under Climate Change", Potsdam
2024 – 2029	Associate Editor for the European Journal of Agronomy
2022	Host of the XVII European Society for Agronomy Congress, Potsdam
2022 – 2024	Chairman of Commission IV – Plant Nutrition of the German Soil Science Association
2021 – 2026	Spokesperson for the Climate Change Platform of the German Agricultural Research Alliance (DAFA)
2020 – 2022	President of the European Society for Agronomy
2018 – 2024	Member of the Steering Committee of the European Society for Agronomy
2019	Co-Host of the German Society for Agronomy Congress, Berlin
2018 – 2021	Deputy Chairman of Commission IV – Plant Nutrition of the German Soil Science Association
2016	Host of the International Crop Modelling Symposium, Berlin
Since 2011	Member of the Editorial Board, European Journal of Agronomy
present	Member of the European Society for Agronomy, the German Soil Science Association, the German Society for Agronomy, the International Soil Modelling Consortium

Other

ORCID iD: <https://orcid.org/0000-0001-7608-9097>

2024 Visiting professor at the Institute of Agrophysics of the Polish Academy of Sciences

2021 No. 351 on Reuters "Hot List" of the 1,000 most influential climate scientist

2018 Publons Peer Review Award – Top 1% in Field "Agricultural Science"

1995 Scholarship of the Norwegian Science Council

h-index = 51 (Web of Science Core Collection), 52 (Scopus), 65 (Google Scholar)