Prof. Dr. Claas Nendel

Personal Details

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Profile

Claas is co-head of the ZALF Research Platform „Data analysis & Simulation", in which he also leads the two working groups „Ecosystem Modelling" and „Landscape Modelling". A studied geo-ecologist (University of Technology Carolo-Wilhelmina, Braunschweig, Germany; Agricultural University of Norway, Ås), he received his PhD from Braunschweig in 2002 and qualified for lecturer (Habilitation) at Berlin University of Technology in 2014. Since 2020 he is jointly appointed professor of Landscape Systems Analysis with the University of Potsdam. Claas has been working for more than 20 years in agricultural research on applied integrated modelling of water, nitrogen and carbon dynamics, organic matter decomposition, crop growth, product quality, and farm economics in special crops (grapevine, vegetables) and major agricultural crops. His main focus is the carry-over effect within crop rotations and the consequences for yield and product quality. Claas is the principal developer of the MONICA model for biophysical processes in agro-ecosystems. He is currently the Past President of the European Society for Agronomy and chairman of the German Soil Science Society plant nutrition section. He hosted three major science conferences and published more than 140 peer-reviewed journal articles, eight book chapters and more than 200 contributions to national and international conferences.

Education

2014   Lecturer qualification at university level (Habilitation), Berlin University of Technology

2002   PhD in Natural Sciences, Braunschweig University of Technology

1997   Diploma in Geo-ecology, Braunschweig University of Technology

Professional Experience

Since 2020   University of Potsdam, Germany

                • Professor for Landscape Systems Analysis (joint appointment with the Leibniz Centre for Agricultural Landscape Research, Müncheberg, Germany)

Since 2018   Member of the Integrated Research Institute on Transformations of HumanEnvironment Systems (IRI THESys) at Humboldt University, Berlin, Germany

2018-2023   Key Employee at the Global Change Research Institute, Brno, Czech Republic

Since 2014   Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg Germany

• Co-head Research Platform „Data Analysis & Simulation" (2018 – present) • Head of Research Groups „Ecosystem Modelling" and „Landscape Modelling" (2018 – present) • Member of the ZALF Board (2016 – present) • Acting head Institute of Landscape Systems Analysis (2014 – 2017) • Member of the Extended Executive Board (2014 – 2016)

2011	Visiting Scientist with the Agronomy Dep., University of Florida, Gainesville, FL
2007-2014	Senior Scientist at the Institute of Landscape Systems Analysis, Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg, Germany
2003-2007	Post-Doc at the Leibniz Institute for Vegetable and Ornamental Crops (IGZ), Großbeeren, Germany
1999-2002	Project group leader at the State Education and Research Centre for Agriculture, Viticulture and Horticulture, Neustadt/W., Germany

Awards

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
1991	German Chemical Industry Fund Award for best A-Level result in Chemistry

Community Services

2022	Host of the XVII European Society for Agronomy Congress, Berlin (250 participants)
2021-2023	Chairman of the Climate Change Platform of the German Agricultural Research Alliance (DAFA)
2020-2022	President of the European Society for Agronomy
2022-2023	Chairman of Commission IV – Plant Nutrition of the German Soil Science Association
2019	Co-Host of the German Society for Agronomy Congress, Berlin (175 participants)
2018-2024	Member of the Steering Committee of the European Society for Agronomy
2018-2021	Deputy Chairman of Commission IV – Plant Nutrition of the German Soil Science Association
2016	Host of the International Crop Modelling Symposium, Berlin (320 participants)

Procured Research Funding

Overall national and international competitive funding procured: 5.4 M€