

Curriculum Vitae

Andreas Ibrom, Prof. Apl., Dr. rer. nat., Associate Professor (03.10.1959)

Work: Technical University of Denmark (DTU), Department of Environmental Engineering, Bygningstorvet 115, 2800 Kgs. Lyngby, Denmark.

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Education

1993 Dr. rer. nat. (equiv. to PhD in science), Institute of Bioclimatology (Georg August University, Göttingen GAUG) Germany, "Atmospheric deposition and nutrient leaching in forests".

1987 Dipl. Biologist (equivalent to M.Sc.), Institute for Systematics and Geobotany, GAUG,

Current and most recent positions

Associate Professor, Department of Environmental Engineering DTU (2019) - Senior Research Scientist, Department of Environmental Engineering DTU (2015) - Senior Scientist at the Department of Chemical and Biochemical Engineering, DTU (2012)- Senior Scientist, Biosystems Division, Risø DTU (2007) and Risø National Laboratory DTU (2004) - Associate Professor, GAUG (2001).

Other scientific qualifications

2004: Apl. Professor for Bioclimatology Faculty of Forestry and Forest Ecology, GAUG

2000: Habilitation, Faculty of Forestry and Forest Ecology, GAUG. *Venia legendi*: Bioclimatology

1999, 2004: Marie Curie mobility fellowships (The University of Edinburgh and Risø National Laboratory for Sustainable Energy)

Scientific focus areas

Biometeorology: eddy covariance and turbulence research; long-term micrometeorology and greenhouse gas flux network research; 3D biophysical modelling of radiative transfer and canopy photosynthesis in forests canopies; deposition of atmospheric trace substances to terrestrial ecosystems.

Ecosystems research: Gas exchange with the atmosphere, ecosystem and soil carbon budgets and their components; nitrogen deposition and cycling in forests ecosystems; ecosystem manipulation experiments; dynamic ecosystem modelling; regional greenhouse gas balances

Ecology and Industrial Ecology teaching: Ecosystems, environmental sustainability concepts for industrial systems

International relations

Publication: 98 peer-reviewed, international scientific publications in journals and books (85 ISI listed, H-index 32, 7424 times cited (Web of Science), 157 publications in ORCID (<http://orcid.org/0000-0002-1341-921X?lang=en>), 10.06.2020).

Memberships and academic commitments: European Geophysical Union member since 1996, session convener Air-Land Interactions since 2008, Associate Editor 'Biogeosciences', Peer review in > 20 international, scientific journals

Networking: PI of the global flux research network FLUXNET and the ESFRI Integrated Carbon Observation System (ICOS); Denmark's representative in the COST action PROFOUND

Commissions: External reviewer of theses, research and job applications for research organisations in Germany, Ireland (EPA), The Netherlands and Sweden (Swedish Research Council Formas).

Chairman of Formas 'Global Change' research proposal assessment panel (2016-2019).

Academic awards and honours

2019 Terrestrial Ecology, best course at DTU environment awarded by the students

2012 WMO Norbert Gerbier- MUMM International Award 2012: "Climate control of terrestrial carbon exchange across biomes and continents" Env. Res. Lett. (2010)"

Management experience

Head of different working groups with fluctuating numbers of scientists, technicians and students.

Current projects: Steering group member and PI of the Danish contribution to the EU research infrastructure Integrated Carbon Observation System (ICOS), EU project RINGO "Readiness of ICOS for Necessities of Integrated Global Observations", EU funded project "Inside out: Linking intra-annual wood formation in mature trees to stand-level water and carbon cycling", Norwegian EPA funded project "Greenhouse gas flux monitoring in re-naturalized bogs". PI for two long-term flux observation research facilities (DK-Sor and DK-RCW).

Selected finished: PI of the EU projects InGOS, CARBO-Extreme and MEDEFU, participant in large EU research and research infrastructure projects (EUROFLUX, CARBO-EUROPE, CARBO-EUROPE-IP, NitroEurope-IP, GHG-Europe, IMECC and InGOS), COST action MC member PROFOUND (FP1304). Danish national projects: ECOCLIM (Danish Independent Research Council, DFF), DFF-FNU project: 'Partitioning forest ecosystem respiration by application of novel isotope laser spectroscopy'.

Supervision of young scientists

GAUG: two post doctoral researchers, seven PhD students,

Risø and DTU: Four post doctoral researchers, seven PhD students, one ongoing