

Brian Kronvang



Presentation of keynote speaker:

Brian Kronvang is Professor in Catchment Science and Environmental Management at the Institute for Ecoscience, Aarhus University. He has more than 35 years of experience in research on topics related to catchment management of sediment and nutrient cycling including mitigation of nutrient losses utilizing a range of nature based and technological mitigation measures including restored wetlands, constructed wetlands, buffer strips, integrated bufferzones, saturated bufferzones, etc.

The title of the keynote presentation:

“A new era of agro-environmental nutrient management practices in catchments”.

Information about the keynote presentation

The presentation will have a special focus on sharing the development in Denmark with how to tackle collective and targeted mitigation of nutrient losses utilizing source, transport and landscape measures supported by catchment officers and regional authorities.

Lillian Øygarden



Presentation of keynote speaker:

Lillian Øygarden is a researcher in department “Soil and Land use” at Norwegian Institute of Bioeconomy Research (NIBIO), Norway. She has more than 35 years of experience in monitoring and research on topics related to agricultural farming practices and environmental effects, seasonal runoff and erosion from catchments, soil and water conservation. Currently she is coordinating work

in NIBIO with climate change and effects on agricultural productions, measures for adaptation and reduction of greenhouse gas emissions.

The title of the keynote presentation:

“Climate change and challenges for soil and water conservation under northern and high-altitude conditions.”

Information about the keynote presentation

The presentation will have a special focus on climate change in cold region areas, seasonal changes and the challenges this can give for agricultural production, environmental impacts, soil and water conservation and the need for efficient adaptation measures.

Katri Rankinen



Presentation of keynote speaker

Katri Rankinen is a Senior Researcher at Finnish Environment Institute, Finland, with more than 30 years of experience in modelling of nutrient transport with special emphasis on sensitivity and uncertainty analysis and good modelling practices. Her current research involves mapping and valuation of ecosystem services of water purification in context of changing climate and land use. Special interest is in effects of agriculture on water quality.

The title of the keynote presentation:

“Modelling soil and nutrients in a Nordic context, an example on impact assessment of the Finnish agri-environmental measures”

Information about the keynote presentation

The presentation will give examples of modelling soil and nutrients in a Nordic context and focus on water quality impact assessment of the Finnish agri-environmental measures as one part of the

national Rural Development Programme. The assessment is based on monitoring of long-term timeseries of discharge and water quality in large water sheds and selected medium size catchments. Analysis methods include both statistical time series analysis and process-based modelling.

Thomas Kätterer



Presentation of keynote speaker

Thomas Kätterer is Professor in ecosystem ecology at SLU, Sweden, and elected fellow of the The Royal Swedish Agricultural Academy (KSLA). He has a background in agronomy, soil science, ecology and environmental sciences. His research focuses on carbon and nutrient cycling in agroecosystems, particularly on the impact of agricultural management practices on soil fertility and carbon sequestration.

The title of the keynote presentation:

“Challenges, synergies and trade-offs from a Nordic perspective”

Information about the keynote presentation

Thomas Kätterer will provide an overview of carbon sequestration options for mitigating climate changes and increasing soil fertility, based on results from soil inventories and long-term field trials. He will discuss challenges, synergies and trade-offs from a Nordic perspective.

Johannes Deelstra



Presentation of keynote speaker

Johannes Deelstra is researcher at the department “Hydrology and water quality” at Norwegian Institute of Bioeconomy Research (NIBIO), Norway. He has more than 40 years’ of working experience in agrohydrology, agricultural crop production, water quality in various countries. His current research is related to the potential effects of climate change on hydrological pathways and soil and nutrient loss from agricultural dominated catchments.

Title of presentation.

“Changes in hydrological pathways”

Information about the keynote presentation

Johannes Deelstra will present possible effects of climate change on hydrological pathways in agricultural dominated catchments due to an increase in both precipitation and temperature. Changes in climate can also lead to more frequent drought periods. Focus of the presentation will be on the potential effects of changes in precipitation and temperature on the hydrological flowpaths and as its effect on nutrients and soil loss.