

## PROGRAMME

### 13<sup>th</sup> Nordic-Baltic IHSS Symposium

#### Sunday June 19

17:00-19:00 **Registration/Poster setup**

19:00-21:00 Welcome reception – dinner

#### Monday June 20

08:00-09:00 **Registration/Poster setup**

09:00-

Opening

Dag Olav Andersen

University of Agder, Department of Natural Sciences, Norway

09:00-10:55 **First session: Determination of functional characteristics**

Chair: Dag Olav Andersen

University of Agder, Department of Natural Sciences, Norway

09:00-09:40 **Keynote lecture:** Gudrun Abbt-Braun

Karlsruher Institut für Technologie, Germany

*Humic Substances Structure and Functionality*

09:45-10:05 Oskars Purmalis

Department of Environmental Sciences, University of Latvia, Riga, Latvia

*Comparison of major and trace elements in humic acids and peat in two ombrotrophic bogs in Latvia*

10:10-10:30 Teodoro M. Miano

Department of Biology and Chemistry of Agro-Forestry and Environment,  
University of Bari, Italy

*Humic acids from ombrotrophic bogs as “witnesses” of past human activity and paleoclimatic and paleovegetational changes*

10:35-10:55 Oleg A. Trubetskoj

Institute of Basic Biological Problems, Russian Academy of Sciences,  
Moscow region, Russia

*Fluorescence of soil humic acids: experimental verification of the existence of different fluorophores*

11:00-14:00 Boat trip, lunch

14:30-15:30 Posters

15:45-17:00 Guided tour

18:00-20:00 Dinner

## Tuesday June 21

### 08:30-12:00 **Second session: Transport of NOM and contaminants**

Chair: Rolf D. Vogt

Department of Chemistry, University of Oslo, Norway

### 08:30-09:10 **Keynote lecture:** Lars Tranvik

Department of Limnology, Uppsala University, Sweden

*Inland water transformations of terrestrial organic carbon during transport from soil to sea*

### 09:15-09:55 **Keynote lecture:** Stephen Norton

Department of Earth Sciences, Climate Change Institute,  
University of Maine, USA

*DOC – Origin, some attributes, and transport of contaminants*

### 10:00-10:20 Alexander Engebretsen

Department of Chemistry, University of Oslo, Norway

*Role of Dissolved Natural Organic Matter in the transport of phosphorus*

### 10:25-10:45 Sara H. Norström

Department of Natural Sciences, Engineering and Mathematics, Mid Sweden  
University, Sundsvall, Sweden

*Initial effects of wood ash application on the stream water and soil solution chemistry in a boreal catchment in central Sweden*

### 10:50-11:10 Coffee

### 11:15-11:35 Jarkko Akkanen

University of Eastern Finland, Department of Biology, Finland

*Advances in studies of the interaction between dissolved natural organic matter and hydrophobic organic contaminants*

### 11:40-12:00 Dag Hongve

Norwegian Institute of Public Health, Oslo, Norway

*Increased mercury concentration in fish – linked to the decline in acid rain deposition*

### 12:00-14:00 Lunch/Posters

- 14:15-16:35 Third session: Ecosystem services in a changing environment**  
Chair: Gunnhild Riise  
Department of Plant- and Environmental Sciences, University of Life Sciences,  
Norway
- 14:15-14:55 **Keynote lecture:** Dag Olav Hessen  
Department of Biology, CEES, University of Oslo, Norway  
*Ecosystem services: a fruitful approach?*
- 15:00-15:20 Raymond M. Hozalski  
University of Minnesota, Minneapolis, MN, USA  
*A Trip Down One of the World's Great Rivers: Changes in NOM  
Concentration and Composition Along the Upper Mississippi River and  
Correlation with Land Use*
- 15:25-15:45 Ladislau Martin-Neto  
Embrapa Labex USA, Beltsville, USA  
*Impact of Sewage Sludge Amendment to Organic Matter in Different Soils*
- 15:50-16:10 Olga E. Trubetskaya  
Branch of Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry,  
Russian Academy of Sciences, Moscow region, Russia  
*Very low concentration of soil HA stimulate reddish seedlings primary root  
growth*
- 16:15-16:35 G. E. Merzlaya  
D.N. Pryanishnikov All-Russian Research Institute of Agrochemistry,  
Moscow, Russia  
*Organic Fertilizers and Soil Fertility*
- 16:45-17:15 Coffee
- 17:15-17:45 Nordic-Baltic business meeting
- 19:30-22:00 Conference dinner

## Wednesday June 22

### 09:30-11:25 **Fourth session: Modelling**

Chair: Ståle Haaland

Department of Plant- and Environmental Sciences, University of Life Sciences, Norway, and Norwegian Institute for Agricultural and Environmental Research, Bioforsk, Norway

### 09:30-10:10 **Keynote lecture:** Daniel Rasse

Norwegian Institute for Agricultural and Environmental Research, Bioforsk, Norway

*Mechanisms for the selective preservation of molecular families in soils*

### 10:15-10:35 Heleen de Wit

Norwegian Institute for Water Research, NIVA, Oslo, Norway

*The importance of aquatic C fluxes in the Norwegian C budget*

### 10:40-11:00 Martyn Futter

Institutionen för Vatten och Miljö, SLU Uppsala, Sweden

*Modelling long-term trends in dissolved organic carbon*

### 11:00-11:25 Closing

### 11:30- Lunch