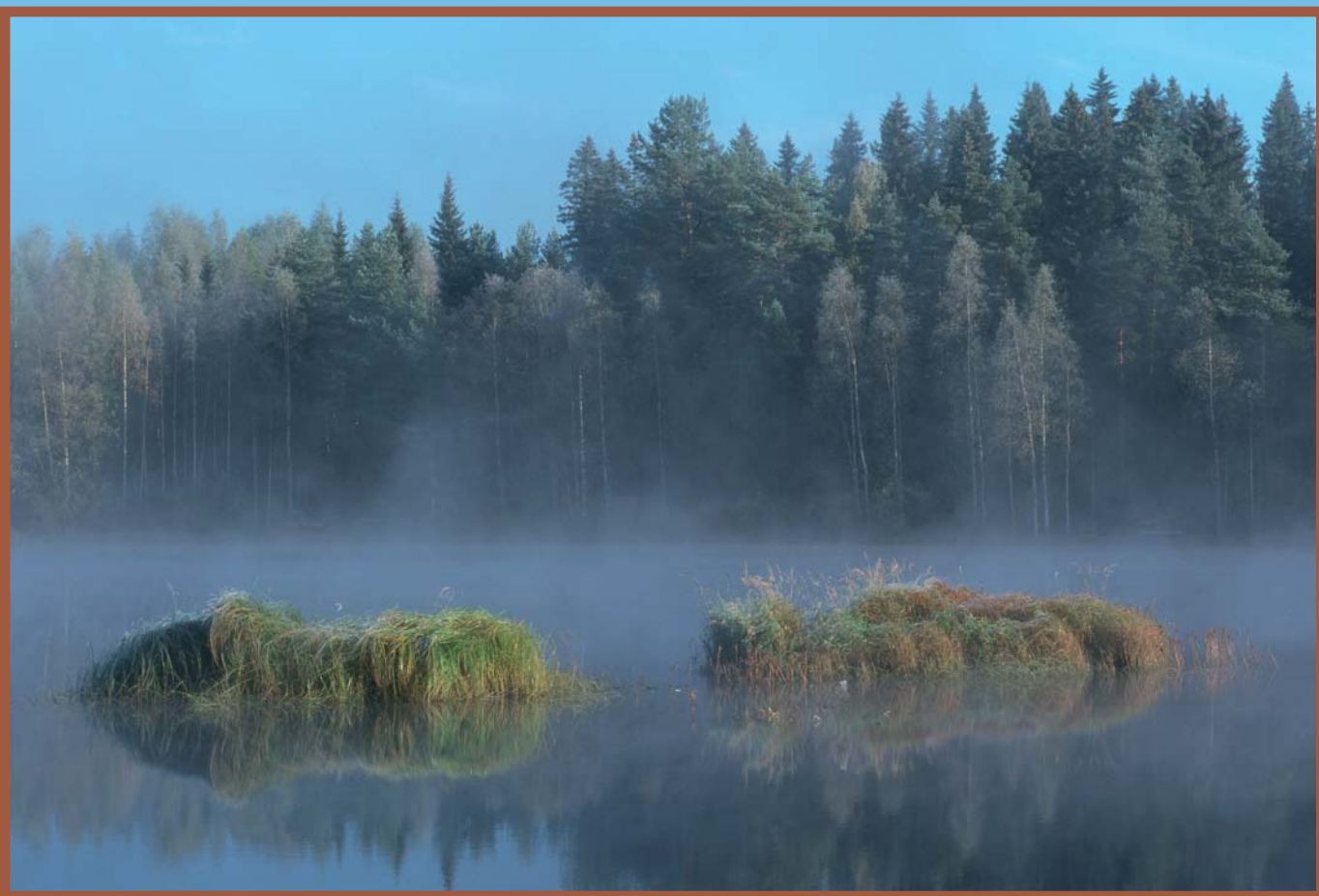


# BIOGEMON

6th International Symposium  
on Ecosystem Behaviour **2009**

Photo: Erkki Oksanen, Metla



June 29th – July 3rd 2009  
University of Helsinki, Finland



## The University of Helsinki, Finnish Forest Research Institute (METLA) and Finnish Environment Institute (SYKE) have the pleasure of hosting the 6th International Symposium on Ecosystem Behavior, BIOGEOMON 2009.

As human population growth continues into the 21st century, stresses on ecosystems and biogeochemical cycles will increase locally, regionally and globally. From

monitoring, through process-based investigation to modeling, biogeochemistry and ecosystem science will play an increasingly critical role in providing the scientific basis for informing the public and policy making about the environment. BIOGEOMON's emphasis is on biogeochemistry as an evolving and integrated discipline, including research at the watershed, landscape and global scales.

Beside traditionally emphasized themes, topical issues are raised in each BIOGEOMON symposium. In Helsinki these issues will be peatland biogeochemistry, environmental impacts of bioenergy production, atmosphere-forest interactions, and biogeochemistry of trace metals.

BIOGEOMON's primary goals are to provide a forum for the dissemination and discussion of recent research findings, to explore future directions for biogeochemical research, and to foster interdisciplinary collaboration between researchers of all ages and countries.

BIOGEOMON 2009 is the sixth in a series of meetings. The first two were sponsored by the Czech Geological Survey and were held in Prague in 1987 and 1993. The third meeting was held at Villanova University, Pennsylvania, USA in 1997, the fourth at the University

of Reading, UK in 2002, and the fifth at University of California, Santa Cruz, USA in 2006.

The Venue for BIOGEOMON 2009 is the University of Helsinki, Porthania, Finland. Located in the heart of Helsinki, it provides a wonderful setting for both our scientific and social programmes.

For information about the University of Helsinki visit:

[www.helsinki.fi/university/](http://www.helsinki.fi/university/)

For information about Helsinki visit:

[www.helsinki.fi](http://www.helsinki.fi)  
[www.visithelsinki.fi](http://www.visithelsinki.fi)

BIOGEOMON 2009 will feature an opening plenary address, five plenary lectures, and a daily program of four concurrent sessions. Concurrent sessions will include both invited and contributed talks. Poster sessions will be held throughout the week. Student participation is particularly welcome. There will be awards for outstanding student oral and poster presentations.



## Field trips

A one-day field trip (three concurrent) will be organized in the middle of the week

- 1) The Valkea-Kotinen Integrated Monitoring catchment and Häme castle, Hämeenlinna
- 2) The Jokioinen Meteorological Observatory and the Tytyri limestone mine and museum, Lohja
- 3) A cruise through the Helsinki Archipelago

## Sessions, chairs and co-chairs

1. Integrated monitoring and modelling, Paul Whitehead, University of Reading, UK, Jack Cosby, University of Virginia, USA
2. Forest – atmosphere interactions and exchange: gases and aerosols, Michael Boy, University of Helsinki, Finland, Janne Rinne, University of Helsinki, Finland
3. Hydrological drivers of ecosystem biogeochemistry, Melanie Vile, University of Villanova, USA
4. Linkages between biogeochemical cycles, Heleen de Wit, Norwegian Institute of Water Research, Norway
5. New insights into nitrogen cycling, Christine Goodale, Cornell University, USA
6. Biogeochemistry of peatlands, Tim Moore, McGill University, Canada, Raija Laiho, University of Helsinki, Finland
7. Carbon cycling in upland (well drained) soils, Egbert Matzner, University of Bayreuth, Germany, Kate Lajtha, Oregon State University, USA
8. Experimental manipulations of ecosystems, Claus Beier, Risø National Laboratory, Denmark, Filip Moldan, Swedish Environmental Research Institute, Sweden
9. Trace element biogeochemistry and ecosystem impact, Tiina Nieminen, Finnish Forest Research Institute, Finland, Ping Lu, EWL Sciences Pty Ltd, Australia
10. Microbial/rhizosphere dynamics, Heljä-Sisko Helmisaari, Finnish Forest Research Institute, Finland, Krista Lõhmus, Tartu University, Estonia
11. Innovative uses of isotopes and tracers, Martin Novak, Czech Geological Survey, Czech Republic, Bernhard Mayer, University of Calgary, Canada
12. Bioenergy production impacts on biogeochemistry, Andrew M. Gordon, University of Guelph, Canada, Göran Berndes, Chalmers University of Technology, Sweden
13. Archives of past environmental change, Richard Bindler, Umeå University, Sweden, Harald Biester, Technical University Braunschweig, Germany
14. Biogeochemical aspects of ecosystem restoration and rehabilitation, Nicholas Dickinson, Liverpool John Moores University, UK, Ülo Mander, University of Tartu, Estonia



## Symposium plenary speakers

### **Prof. Wolfgang Cramer,**

Potsdam Institute for Climate Impact Research,  
Germany.

Biosphere responses and feedbacks from the  
global to continental scale – examples from recent  
vulnerability assessments.

### **Ass. Dean. Cindy Prescott,**

University of British Columbia, Canada.

The decomposition process in forest ecosystems  
– what controls it? Can we change it?

### **Prof. Joshua Schimel,**

University of California, USA.

The biogeochemistry of drought.

### **Prof. Kevin Bishop,**

Swedish University of Agricultural Sciences,  
Sweden.

Water through the looking glass of landscapes:  
Can we see the future in a different climate?

### **Prof. Pekka Kauppi,**

University of Helsinki, Finland.

Returning the ability of forests to capture and store  
carbon: How much and for how long?

## Registration and fees

**Registration opens 1st October 2008.**

Please follow the web sites:

[www.environment.fi/syke/biogeomon2009](http://www.environment.fi/syke/biogeomon2009)

### **Tentative Fees**

Student early bird (before 28th Feb. 2009) 250 €,

regular 300 €

Standard early bird (before 28th Feb. 2009) 450 €,

regular 500 €

Registration fee covers:

- all sessions of the conference
- abstract book
- lunches and coffees
- welcoming party
- one day field trip

Banquet 50 €

## Local organizing committee

Ass. Prof. Mike Starr (Chairman), Univ. of Helsinki

Ass. Prof. Liisa Ukonmaanaho (Conference Coordinator), METLA

Prof. Martin Forsius, SYKE

Geologist Tarja Hatakka, Geological Survey of Finland

Dr. Jukka Lippu, Univ. of Helsinki

Research Scientist Tuija Mattsson, SYKE

Ass. Prof. Tiina Nieminen, METLA

Dr. Tuija Ruoho-Airola, Finnish Meteorological Institute

## International scientific committee

Prof. Martin Forsius (Chairman), Finland

Dr. Claus Beier, Denmark

Dr. Richard Bindler, Sweden

Dr. Michael Boy, Finland

Dr. Heleen de Witt, Norway

Prof. Nicholas Dickinson, UK

Dr. Christine Goodale, USA

Prof. Andrew Gordon, Canada

Ass. Prof. Heljä-Sisko Helmisaari, Finland

Prof. Egbert Matzner, Germany

Prof. Tim Moore, Canada

Ass. Prof. Tiina Nieminen, Finland

Dr. Martin Novak, Czech Republic

Ass. Prof. Mike Starr, Finland

Ass. Prof. Liisa Ukonmaanaho, Finland

Prof. Paul Whitehead, UK

Prof. Kelman Wieder, USA

Photo: City of Helsinki Picture Bank/Markku Juntunen



## Conference schedule (tentative)

### Monday, June 29

- 15:00–19:00 Registration  
19:00–21:00 Welcoming party

### Tuesday, June 30

- 09:30–10:30 Opening ceremony  
10:45–11:45 Plenary Lecture  
11:45–12:45 Lunch  
13:00–14:00 Plenary Lecture  
14:10–17:00 Concurrent Sessions  
17:10–18:30 Poster session  
19:00– Reception  
at Helsinki City Hall

### Wednesday, July 1

- 09:00–10:00 Plenary Lecture  
10:00–10:20 Break  
10:20–12:00 Concurrent Sessions  
12:00–13:00 Lunch  
13:00–14:00 Plenary Lecture  
14:10–16:50 Concurrent Sessions  
17:00–18:30 Poster Session  
19:30– Banquet

### Thursday, July 2

- 09:00–17:00 Field trips

### Friday, June 3

- 09:00–10:00 Plenary Lecture  
10:00–10:20 Break  
10:20–12:00 Concurrent Sessions  
12:00–13:00 Lunch  
13:00–15:00 Concurrent Sessions  
15:00–16:00 Closing ceremony

Photo: City of Helsinki Picture Bank/Paul Williams



## Call for presentations

Participants willing to contribute oral or poster presentation should submit one page abstracts by **15th of November 2008**. The scientific organizing committee will review all abstracts and inform the first author before **15th of February 2009**. Authors should indicate their preferred form of presentation. It is intended that selected papers from the BIOGEOMON 2009 symposium will be published in a special issue of an international peer-reviewed scientific journal.

Abstracts should be sent by e-mail to: [Biogeomon2009@metla.fi](mailto:Biogeomon2009@metla.fi)

## Accommodation

Information and links will be made available on conference website.

## Further Information

Visit the BIOGEOMON 2009 website: [www.environment.fi/syke/biogeomon2009](http://www.environment.fi/syke/biogeomon2009)

If you have any questions or requests regarding your registration or payments, please contact: BIOGEOMON 2009 Organizing Secretariat, University of Helsinki, Palmenia Uniconf, e-mail: [biogeomon-2009@helsinki.fi](mailto:biogeomon-2009@helsinki.fi)

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