

ONLINE SEMINAR SERIES

FOREST DISTURBANCES UNDER CLIMATE CHANGE

Organised by the EU CBC project METAFOR - Multi-level Education Towards Advanced Forestry

Location: Moodle Learning Platform at the University of Helsinki, Finland

PROGRAMME

December 2, 2020 at 14:00-16:00

General overview of forest disturbances

Ekaterina Shorohova. *Welcome words on behalf of METAFOR*

Jouni Räisänen. *Enhanced greenhouse effect and its impact on climate*

Dan Kneeshaw. *Natural disturbances from perspective of forest ecosystem management and ecological restoration.*

Discussion

December 8, 2020 at 13:30-16:00

Fire and windthrow

Ilari Lehtonen. *Climate change and forest fires*

Yan Boulanger. *Burning hot! Climate change impacts on wildfires and their consequences on forest ecosystems*

Ekaterina Shorohova. *Wind induced disturbances in primeval and managed forests*

Discussion

December 14, 2020 at 13:30-16.00

Biotic disturbances

Markus Melin. *Pest insects are benefitting from warming climate and increasing global trade – practical examples from the boreal zone*

Jarkko Hantula. *Forest diseases in northern forests*

Petri Nummi. *Invasive Alien Species: Focus on Vertebrates*

Discussion

Speakers and moderators of the seminar series

- **Jouni Räisänen.** Institute for Atmospheric and Earth System Research (INAR), University of Helsinki. jouni.raisanen@helsinki.fi
- **Ilari Lehtonen.** Finnish Meteorological Institute. ilari.lehtonen@fmi.fi
- **Dan Kneeshaw.** The Université du Québec à Montréal. kneeshaw.daniel@uqam.ca
- **Yan Boulanger.** Forest Ecology, Canadian Forest Service. yan.boulanger@canada.ca

- **Ekaterina Shorohova**. Natural Resources Institute Finland. Saint Petersburg State Forest University. ekaterina.shorokhova@luke.fi
- **Markus Melin**. Natural Resources Institute Finland. markus.melin@luke.fi
- **Jarkko Hantula**. Natural Resources Institute Finland. jarkko.hantula@luke.fi
- **Petri Nummi**. Department of Forest Sciences, University of Helsinki. petri.nummi@helsinki.fi

REGISTRATION

Please apply **by November 25, 2020** by sending an e-mail with the following information:

For researchers: name, contact information

For students: name, student number, contact information, your study line or specialization, progress of your studies and a motivation letter.

to: pasi.puttonen@helsinki.fi , ekaterina.shorokhova@luke.fi and majju.kosunen@helsinki.fi

The registered participants will get the link to the online seminars and material at the Moodle learning platform.

FOR STUDENTS ATTENDING THE COURSE

- Participating student attending the course, who complete assignments and exam, can earn **3 ECTS** at the University of Helsinki, Department of Forest Sciences.

The course components are

- Lectures (8 x 1h)
- Completing required and optional reading (8 x 4h)
- Final exam (essay) (4 x 3 h)

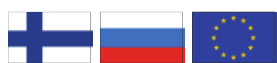
Moodle learning system will be open December 1, 2020 – January 31, 2021.

Study materials

Material provided and assigned during the course. The material will consist of lecture notes, text book chapters, scientific literature, assigned individual tasks. Teachers will provide a suitable amount of additional reading to accompany each lecture as required reading. Further information is provided during the course.

Assessment practices and criteria

The grade is given on a scale of 0-5; 0=fail, 1= pass, 2= satisfactory, 3= good, 4= very good and 5=excellent.



CBC 2014-2020

SOUTH-EAST FINLAND - RUSSIA

