



FORESTS' FUTURE 2021
**Consequences of Bark Beetle Calamity for the Future of Forestry
in Central Europe**

Two days on-line meeting March 23rd – 24th 2021

PRELIMINARY PROGRAMME

TUESDAY, MARCH 23

9:00 - 9:10 **Introduction**

**Session 1: CURRENT AND FORESEEN BARK BEETLE INFESTATION
IN EUROPEAN COUNTRIES**

9:10 - 9:25 **Current state of bark beetle outbreaks in Poland.**

Tomasz Jaworski, Tomasz Jabłoński, Iwona Skrzecz, Wojciech Grodzki

9:25 - 9:40 **Development of bark beetle outbreaks in Slovakia from 1960 to 2020.**

*Jozef Vakula, Andrej Kunca, Juraj Galko, Andrej Gubka, Milan Zúbrik,
Christo Nikolov*

9:40 - 9:55 **The ongoing outbreak of *Ips typographus* in Northern Austria.**

Gernot Hoch, Gottfried Steyrer

9:55 - 10:10 **Recent bark beetle damages in the Federal State of Bavaria, Germany.**

Hannes Lemme, Christoph Sikora, Karin Bork, Conny Triebenbacher, Andreas Hahn

10:10 - 10:25 **Forest damages in the Federal State of Saxony during the extreme years 2018 – 2020.**

Sven Sonnemann, Lutz-Florian Otto, Franz Matschulla, Michael Hodel

10:25 - 10:45 *Coffee break*

10:45 - 11:00 **Recent spruce bark beetle calamity in Czechia.**

Miloš Knížek, Jan Liška, Jan Lubojacký

11:00 - 11:15 **Impacts and management of the current and previous bark beetle outbreaks in Switzerland.**

Sophie Strohecker, Irina Vögtli, Martin Bader, Valentin Queloz, Eckehard Brockerhoff

11:15 - 11:30 **The spruce bark beetle outbreak in Sweden initiated by the exceptionally warm and dry 2018 summer.**

Martin Schroeder

11:30 - 11:45 **Spruce bark beetle monitoring program and Forest protection practices in Latvia.**

Agnis Šmits, Ingars Siliņš, Līva Legzdiņa

11:45 - 12:00 **Spruce bark beetle attacks in the forests of Romania managed by the forest state administration between 2015 and 2020.**

Mihai-Leonard Duduman, Nicolai Olenici, Constantin Nețoiu

12:00 - 12:15 **Bark beetle infestation in Slovenia: causes, current state, impacts, lessons learned and perspective.**

Damjan Oražem, Andreja Kavčič, Barbara Piškur, Maarten de Groot, Nikica Ogris

12:15 - 12:30 **Ice storm calamity of late February 2014 and storm "Vaia" in October 2018 - two climatic events that incited the most severe spruce bark beetle outbreak in the long history of organized forestry in Croatia.**
Boris Hrašovec, Milivoj Franjević, Željko Kauzlarić, Darko Pleskalt

12:30 - 13:30 **Lunch break**

13:30 - 14:20 **Discussion to the session 1**

14:20 - 14:30 **Short break**

Session 2: ECOLOGY OF CLEAR-CUTS AND ENVIRONMENTAL RISKS

14:30 - 14:50 **Impact of bark beetle outbreaks on carbon sequestration in Slovak forests.**
Ivan Barka, Tibor Priwitzer

14:50 - 15:10 **Carbon balance on differently managed forest sites after large scale destruction.**
Peter Fleischer, Peter Fleischer jr., Rozkošný Jozef

15:10 - 15:30 **Changes in upper organic soil layer as a result of clear-cutting.**
Vít Šrámek, Věra Fadrhonsová, Kateřina Neudertová Hellebrandová, Radek Novotný, Monika Vejpustková

15:30 - 15:50 **The fungal communities associated with the first UK breeding population of the bark beetle *Ips typographus* include potentially invasive pathogens.**
Angelina Ceballos-Escalera, Alfried Vogler

15:50 - 16:10 **Changes in biodiversity as a result of bark beetle outbreaks.**
Eckehard G. Brockerhoff, Martin Bader, Martin Gossner, Sophie Stroheker, Beat Wermelinger

16:10 - 16:40 **Discussion to the session 2**

WEDNESDAY, MARCH 24

Session 3: FOREST REGENERATION – REPRODUCTIVE MATERIAL AND SILVICULTURE APPROACHES

9:00 - 9:20 **Contributions of tree breeding to create forests for the future.**
Heino Wolf, Maria del Carmen Dacasa Rüdinger, Marianne Kadolsky, Wolfgang Hüller, Christian Steinke

9:20 - 9:40 **National Forest Tree Seed Bank.**
Pavel Kotrla, Josef Cafourek, Lena Bezděčková, Hana Bajajová

9:40 - 10:00 **The Kostrzyca Forest Gene Bank.**
Michał Raj, Czesław Koziół

10:00 - 10:20 **Alternative ways of calamity clearings restoration using birch and poplar as pioneer tree species.**
Václav Buriánek, Helena Cvrčková, Luďka Čížková, Jan Leugner, Pavlína Máchová, Olga Trčková

10:20 - 10:40 **Natural regeneration in the area after bark beetle calamity in the Beskidy Mountains (Poland).**
Tadeusz Zachara, Sławomir Ambroży

10:40 - 11:10 *Coffee break*

11:10 - 11:30 **Reforestation on salvage clear cuts and silviculture management following establishment of new stands in the Czech Republic.**
Jan Leugner, Ondřej Špulák, Jiří Souček, David Dušek, Dušan Kacálek, Jiří Novák

11:30 - 11:50 **Forest restoration following small-scale disturbances and reforestation after large-scale functional breakdowns in spruce and pine forests on the foundation of forest typology and landscape ecology.**
Dirk-Roger Eisenhauer, Sven Martens, Martin Baumann

11:50 - 12:10 **Adaptive forest management in Slovenian spruce Forests.**
Matjaž Čater, Tom Levanič, Aleksander Marinšek, Primož Simončič

12:10 - 12:30 **FORRISK Cross-border risk management in forestry in consequence of bark beetle calamity (information on project Interreg ATCZ251).**
Radek Pokorný, Dalibor Šafařík

12:30 - 13:30 *Lunch break*

13:30 - 14:20 **Discussion to the session 3**

14:20 - 14:30 *Short break*

Session 4: ECONOMIC AND POLITICAL CONSEQUENCES

14:30 - 14:50 **Sustainability of Czech forest management during the bark beetle calamity.**
Martin Fojt, Stanislav Janský

14:50 - 15:10 **Tiny but powerful: How bark beetles are changing forest policies.**
Norbert Weber

15:10 - 15:30 **Cross-border forest risk management – Economic and Forest Policy.**
Eduard Hochbichler, Thomas Resl, Dalibor Šafařík

15:30 - 15:40 **Towards a pan-European forest risk knowledge mechanism.**
Jens Haertel

15:40 - 16:30 **Discussion to the session 4**

16:30 - 16:45 **Final remarks, Closing of the meeting**