

Managing Biotic Threats in Forests - Lessons Learned from Bark Beetle Calamities

WORKSHOP - MAY 30TH TO JUNE 1ST 2023 - BŘEZNICE / CZECHIA



Organized by:



Agenda

**Ministry of Agriculture of the Czech Republic and FOREST EUROPE -
Joint Workshop: “Managing Biotic Threats in Forests – Lessons
Learned from Bark Beetle Calamities”**

Breznice, Czech Republic

30 May-1 June 2023

Tuesday, 30 th May	
14:00 – 14:30	Light lunch and registration
14:30 – 14:45	Welcome and opening speeches
14:45 – 16:30	Session #1 “Living with bark beetles and other biotic threats” Learning and sharing experiences of bark beetle management practices in Europe.
16:30 – 17:00	Coffee Break
17:00 – 18:30	Cont. Session #1
19:00 – 21:00	Welcome Dinner (at Equitana Hotel)
Wednesday, 31 st May	
08:00 – 09:15	Session #2 “Developing the policy brief- as guidance for bark beetle management” The risk management cycle in bark beetle management– after the outbreak is before the outbreak
09:15 – 09:45	Coffee Break
09:45 – 12:00	Cont. Session #2
12:00 – 13:00	Lunch Break
13:00 – 13:15	Group picture
13:15 – 18:00	Excursion The excursion will focus on different approaches to dealing with the bark beetle calamity (and its consequences) in spruce stands, with emphasis on their regeneration and adaptation to climate change at an altitude of 600-800 m above sea level in Brdy Highlands in both state and non-state ownership. The excursion will be hosted by Military Forests and Farms, state enterprise and Forests of Prague Archbishopric.
19:00 – 21:00	Joint Dinner (at Equitana Hotel)
Thursday, 1 st June	
08:00 – 09:15	Session #3 “Risk management for forest disturbances: what is needed - towards FoRISK and international cooperation” Reflections on recent progress; What are the obstacles to further progress?
09:15 – 09:45	Coffee Break
09:45 – 12:00	Cont. Session #3 and Closing of Workshop
12:00 – 13:00	Lunch Break
13:00 – 14:30	Transfer to Prague Airport with estimated arrival at 14:30 (additional stop at city centre)

Programme

14:30 – 18:30, Tuesday, May 30

Session #1: “Living with bark beetles and other biotic threats”

Moderator: Julia Haas from *FOREST EUROPE*

Tomas Krejzar and Dr. Julia Haas, *Ministry of Agriculture of Czech Republic and FOREST EUROPE*, “Welcome and opening speeches” (15 min)

Speakers:

Prof. Tomas Hlasny, *Czech University of Life Sciences in Prague*, “Situation of bark beetles and its management in Europe” (15 min)

Dr. Ralf Petercord, *Ministry of Agriculture and Consumer Protection, North Rhine-Westphalia, Germany* “Understanding the limiting factors and bottlenecks in calamity management” (15 min)

Dr. Milos Knizek, *Forestry and Game Management Research Institute Czech Republic*, “Recent bark beetle calamity in Czechia” (15 min)

Followed by Q&A (15 min)

Country reports:

“Learning and sharing experiences of bark beetle management practices in Europe.”

Dr. Max Blake, *Forest Research, Alice Holt Lodge UK*, “Lessons learned from four years of eradicating *Ips typographus* in the UK” (12 min)

Dr. Gernot Hoch, *BFW - Austrian Research Centre for Forests*, “Two bark beetle outbreaks in Austria: different causes and challenges for management” (12 min)

Dr. Tiina Ylioja, *Luke - Natural Resources Institute Finland*, “Preparedness for spruce bark beetle in Finland” (12 min)

Followed by Q&A (10 min)

Kamil Szpakowski, *General Directorate of State Forests Poland*, “Bark beetle in the area of the State Forest Holding in Poland – the scale of the problem” (12 min)

Prof. Paal Krokene, *NIBIO - Norwegian Institute of Bioeconomy Research*, “Bark beetle risk management in Norway: mapping outbreak risks using 45 years of pheromone trap data” (12 min)

Dr. Kateryna Davydenko, *Ukrainian Research Institute of Forestry & Forest Melioration*, “Pine dieback in Ukraine caused by bark beetles: early diagnostics, management options and forest resilience” (12 min)

Glazko Zbignev, *Ministry of Environment Lithuania*, “Bark Beetle Calamities in Lithuania – history and present” (12 min)

Dr. Petya Dimitrova-Mateva, *Executive Forest Agency Bulgaria*, “Measures in Bulgarian forests to protect from bark beetle infestation” (12 min)

Nenad Petrovic, *University of Belgrade, Serbia*, “Factors affecting restoration of the forests in Serbia after disturbances due to extreme climate events” (12 min)

Followed by Q&A (15 min)

08:00 – 12:00, Wednesday, May 31

Session #2: “Developing the policy brief- as guidance for bark beetle management”

Moderator: Dr. Vít Šrámek, *Forestry and Game Management Research Institute Czech Republic*

Speakers:

Jan Leugner, *Forestry and Game Management Research Institute Czech Republic*, “Consequences of bark beetle outbreak and possibilities (challenges) in the restoration of post-calamity areas” (15 min)

Dr. Jan Lubojacký, *Forestry and Game Management Research Institute Czech Republic*, “Cambioxylophagous insects on pine in Czechia with potential for mass outbreaks” (15 min)

Dr. Markus Lindner, *EFI - European Forest Institute*, “Interrelation between bark beetle calamities and other forest disturbances” (15 min)

Dr. Bernhard Wolfslehner, *EFI - European Forest Institute*, “Role of Sustainable Forest Management in preventing forest risks” (15 min)

Followed by Q&A and open discussion (15 min)

Interactive Workshop:

“Attempt to develop a basic Process Management Landscape for bark beetle calamities and other biotic agents in Europe with recommendations to consider in the Policy Brief”

Prof. Tomas Hlasny, *Czech University of Life Sciences in Prague*, Introduction to the draft policy brief of phase #2 “Managing bark beetle outbreaks in the 21st century” (15 min)

All participants – Groupwork (60 min) + Presentation of Results (60 min)

08:00 – 12:00, Thursday, June 1

Session #3: “Risk management for forest disturbances: what is needed - towards FoRISK and international cooperation”

Moderator: Julia Haas from *FOREST EUROPE*

Speakers:

Dr. Vít Šrámek, *Forestry and Game Management Research Institute Czech Republic*, “Perception of recent bark beetle calamity and its expansion by general public in the Czech Republic” (15 min)

Dr. Shiroma Sathyapala, *FAO*, “FAO activities on management of bark beetle outbreaks-global perspective” (15 min)

Prof. Henrik Hartmann, *Institute for Forest Protection, Julius Kuehn-Institute for Cultivated Plants Germany*, “Using the past to serve the future – the need for a pan-European database on tree mortality and forest damage to design climate resilient forests” (15 min)

Dr. Markus Lindner, *EFI - European Forest Institute*, “FORWARDS - The ForestWard Observatory to secure resilience of European forests” (10 min)

Followed by Q&A and open discussion (15 min)

Interactive Workshop:

“Discussion about a Joint European Risk Management network. Recent and future approaches in networking in the field of forest disturbance management”

Dr. Julia Haas, *FOREST EUROPE*, Introduction to FoRISK and the group work” (15 min)

All participants – Groupwork (60min) + Presentation of Results (45 min)

Tomas Krejzar and Dr. Julia Haas, *Ministry of Agriculture of Czech Republic and FOREST EUROPE*, “Closing of the Workshop” (15 min)