



FORESTS' FUTURE 2022

Consequences of Bark beetle calamity in Central Europe

Jihlava, June 20th – 23th 2022

PROGRAMME

Monday June 20th

19:00 – 21:00 **Welcome drink**

Tuesday June 21st

9:00 - 10:00 **Registration**

10:00 – 10:30 **Welcoming speeches**
Ministry of Agriculture
Vysočina Region
Forests of the Czech Republic

Session 1: The calamity – has it already passed?

10:30 - 10:50 **Bark Beetle Outbreaks in Slovakia.**
Vakula, J., Kunca, A., Galko, J., Gubka, A., Zúbrik, M., Nikolov, C.

10:50 – 11:10 **It ain't over... A new bark beetle outbreak in Austria 2021**
Hoch, G., Steyrer G.

11:10 – 11:30 **Situation in spruce bark beetle calamity in Czechia in 2021-2022**
Knížek, M., Lubojacký, J., Liška J.

11:30 – 11:45 **Current situation of the spruce bark beetle *Ips typographus* (L.) outbreak in Poland with special regard to montane stand in the Carpathians and Sudety**
Grodzki, W.

11:45 – 12:00 **Bark beetle outbreak in Bavaria**
Lemme, H.

12:00 – 13:30 **Lunch**

- 13:30 – 13:50 ***Tree protection of spruce stands using anti-attractants: summary of experimental results in 2018 – 2021.***
Jirošová, A., Jakuš, R., Trubin, A.
- 13:50 – 14:10 ***The current state of spruce bark beetle outbreaks in forests managed by the Romanian forest state administration***
Duduman, M.-L., Olenici N., Nețoiu C.
- 14:10 – 14:30 ***Spruce bark beetles in Finland during the last 12 years – the outbreaks are yet to come***
Ylioja, T., Melin, M., Linnakoski, R., Koivula. M.
- 14:30 – 14:50 ***Future transition to bark beetle outbreaks in Norway? – identifying climatic- and landscape risk factors***
Gohli, J., Økland, B., Krokene, P.

Session 2: Ecology of post-disturbance areas – can we document negative effect of bark beetle outbreak on C sequestration, hydrology, soil erosion, biodiversity?

- 14:50 – 15:10 ***Ecological effects of bark beetle outbreaks in Switzerland***
Brockerhoff, E.
- 15:10 – 15:30 ***Transformation of geochemical and hydrological dynamics in the forested catchment after the bark beetle infestation***
Su, Y., Langhammer, J., Jarsjö, J., Shao, W.

15:30 – 16:00 Coffee break

- 16:00 – 16:20 ***Interception in young birch stands with different treatment***
Souček, J.
- 16:20 – 16:40 ***Picea abies in Austria: Inclusion of climate-relevant damage factors from bark beetle calamities for the long-term increase of stress resistance in trees***
Irauschek, F., Trujillo-Moya, C., George J.P., van Loo, M.
- 16:40 – 17:00 ***Removal of logging residues on the clear-cut areas: a way to economic profit or to soil degradation?***
Šrámek, V., Fadrhonsová, V., Neudertová Hellebrandová, K., Novotný, R.

Posters for Sessions 1 and 2

- 17:00 – 17:15 Flesh poster presentation
- 17:15 – 18:00 Poster session

Wednesday June 22nd

Session 3: Reproductive sources – are they sufficient in amount and species structure? Should we use non-native/introduced species?

- 9:00 – 9:20 **Climate change, biodiversity, raw materials - Challenges for the procurement of forest reproductive material in Germany**
Wolf, H.
- 9:20 – 9:40 **Establishment of research areas with introduced potentially drought-resistant tree species**
Kotrla, P., Cafourek, J., Leugner, J., Novotný, P., Fulín, M., Bažant, V.
- 9:40 – 10:00 **Preservation, propagation and practical use of valuable Norway spruce ecotypes**
Frydl, J., Novotný, P., Dostál, J., Buriánek, V., Fulín, M., Máchová, P., Cvrčková, H., Čáp, J.

Session 4: Silviculture – what kind of forest we want to have? How to start and continue on clear-cut area?

- 10:00 – 10:20 **Modelling tree species suitability for Styria, Austria**
Kessler, M., Lexer, M., J., Englisch, M., Vacik, H.
- 10:20 – 10:40 **Measures in post-calamity young stands**
Dušek, D., Novák, J., Leugner, J.

10:40 – 11:10 Coffee break

- 11:10 – 11:30 **Forest site protection and reforestation of calamity areas by means of pioneer vegetation -from the Alps to the Franconian Forest**
Laniewski, R., Meinhold, A., Göttlein, A.
- 11:30 – 11:50 **Ways of silvicultural treatment on large-scale areas after wind calamity in northern Poland**
Łukaszewicz, J., Gil, W., Zachara, T.,
- 11:50 – 12:10 **Selection principles in pioneer stands – from clearing to Dauerwald**
Martiník, A.
- 12:10 – 12:30 **Wild ungulates as a limiting factor of forest regeneration in post-calamity stands?**
Cukor, J., Hambálková, L., Skoták, V., Ševčík, R.

12:30 – 14:00 Lunch

Session 5: Economy and Forest Policy – what are needs of forest owners and wishes of the public? Are the calamity consequences reflected on European level?

- 14:00 – 14:20 ***Consequences of the disturbance of spruce and pine forests on forestry and the cultural landscape in Saxony***
Eisenhauer, D.-R., Otto, L-F., Sonnemann, S., Matschulla, F., Gemballa, R., Martens, S., Wolf H.
- 14:20 – 14:40 ***Macroeconomic position of forestry and wood processing industry during the bark beetle disaster***
Šafařík, D., Hlaváčková, P., Meňházová, J.
- 14:40 – 15:00 ***Spruce, spruce and more spruce – silvicultural decisions, ungulates, and the spruce bark beetle in Finland. Have we learned anything from the European calamities?***
Melin, M., Ylioja, T., Koivula, M., Linnakoski, R.
- 15:00 – 15:20 ***Planting subsidies assist spruce forest owners to switch to uneven-aged mixed management and climate change mitigation***
Roessiger, J., Kulla, L., Murgaš, V., Sedliak, M., Kovalčík, M., Cienciala, E., Šebeň, V.
- 15:20 – 15:40 ***Recapitulation of state services provided to small forest owners in the Czech Republic and Austria***
Meňházová, J.

Posters for Sessions 3, 4 and 5

- 15:40 – 16:00 Flesh poster presentation
- 16:00 – 16:30 Poster session
- 16:00 – 16:30 Coffee break
- 16:30 – 17:00 General discussion, closing remarks
- 18:30 - ?? Social dinner

Thursday June 23rd

- 8:30 – 15:00 Excursion



The workshop is organized under the auspices
of the Czech Minister of Agriculture
Ing. Zdeněk Nekula