



FORESTS' FUTURE 2022

Consequences of Bark beetle calamity in Central Europe

Jihlava, June 20th – 23th 2022

POSTERS

Session 1: The calamity – has it already passed?

Tree protection of spruce stands using anti-attractants: summary of experimental results in 2018 – 2021

Jakuš, R., Trubin, A.

Bark beetles/Ophiostomatoid fungi/Norway spruce interactions in the Extemit-K research. Can our findings bring practical outputs for forestry?

Jirošová, A., Modlinger, R., Kalinová, B., Roy, A., Jakuš, R., Schlyter, F., Turčáni, M.

Primary and secondary Ips typographus attacks on Norway spruce depend on host tree crown characteristics and phenolic-based defences

Korolyova, N., Buechling, A., Lieutier, F., Yart, A., Cudlín, P., Turčáni, M., Jakuš, R.

Current spruce bark beetle calamity in the Czech Republic – year by year

Lubojacký, J., Knížek, M.

Vegetation index monitoring of bark beetle attack in Norway spruce forests of Central Europe using Planet Multispectral Imagery

Trubin, A., Kozhoridze, G., Zabihi, K., Singh, V.V., Surový, P., Jakuš, R.

Successful development of the European spruce bark beetle Ips typographus on Scots pine

Véle, A., Liška, J., Kopáč, R., Knížek, M.

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

Integrated forestry-ecological research of rare mountain forests in the Tatra Mts. area

Sitková, Z., Pavlenda, P., Barka, I., Šebeň, V.

Deforestation of small catchment and impact on water regime - project introduction

Hellebrandová, K., Šrámek, V., Fadrhonsová, V.

Impact of deforestation on carbon sequestration, nutrient balance and risk elements mobility – project introduction

Novotný, R., Šrámek, V., Fadrhonsová, V.

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

Conservation of valuable remaining populations of Norway spruce in interest areas of the Czech Republic

Fulín, M., Cafourek, J., Dostál, J., Novotný, P., Čáp, J., Cvrčková, H., Máchová, P.

Use of DNA analyzes for verifying the declared origin of Forest Reproductive Material

Máchová, P., Cvrčková, H., Trčková, O., Vítová K.

Artificial forest renewal from a forest reproductive material availability point of view

Pařízková, A.

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?

Preparedness for emerging forest pest risks in Finland (PREPARE)

Lyytikäinen-Saarenmaa, P., Päivinen, R., Kuutti, V., Schneider, H., Ylioja, T., Melin, M., Linnakoski, R., Koivula, M., Carrasco, L., Cirillo, D., Kochubeeva, T., Aralla, R., Hoch G., De Groot, M.

Impact of bark beetle calamity on forests owners in the Czech Republic

Novák, J. et al.



The workshop is organized under the auspices
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Ing. Zdeněk Nekula