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RESDiNET NEWS

From Global Collaboration to Local Action: Advancing Forest Resilience in Slovakia and Beyond



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TOP NEWS OF JANUARY - APRIL 2025

SLOVAK TEAM ADVANCES IN PLANT GENOMICS

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The Slovak RESDiNET team deepened their expertise in climate adaptation genomics at a high-level training in Copenhagen, strengthening their capacity to understand forest resilience at the molecular level. This international collaboration reflects RESDiNET's mission to combine global expertise with local impact, building innovation capacity in Slovakia for evidence-based forest protection.

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The Slovak RESDiNET researchers will study bark beetle dynamics in Veľký Polom, a Slovak reserve hit by wind damage and pest outbreaks. Using drones and physiological measurements, the team will monitor spruce health and stress responses. The project combines global expertise with local action to support forest resilience and sustainable management.

BARK BEETLE STUDY IN VEĽKÝ POLOM, SLOVAKIA

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UAV-G: KEY GEOMATICS EVENT EXTENDED DEADLINES



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The UAV-g 2025 conference, organised by RESDiNET's Finnish partner NLS FGI, will take place in Espoo from 10–12 September. The paper submission deadline was recently extended, reflecting strong interest in this key event on UAV applications in geomatics and forest monitoring. With a keynote by Prof. Pablo Zarco-Tejada and a special FinDrones session, RESDiNET is proud to support this international exchange of innovation and expertise.

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RESDiNET has welcomed three international postdocs to Slovakia to study bark beetle outbreaks in Veľký Polom. Their interdisciplinary research, from genomics to remote sensing, aims to uncover why some spruce trees survive and how to better manage forest resilience. This work brings global expertise to local challenges and supports adaptive strategies for biodiversity protection in Europe.

GLOBAL EXPERTS JOIN RESDINET IN SLOVAKIA

FIELD SEASON LAUNCH: VEĽKÝ POLOM, SLOVAKIA



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RESDiNET has launched its 2025 field season in Veľký Polom to study why some spruce trees withstand bark beetles. With new international postdocs on board, the team uses remote sensing, genomics, and chemical ecology to uncover tree resistance mechanisms. This interdisciplinary effort brings global expertise to local challenges, supporting adaptive forest management in a changing climate. Insights from this work aim to inform forest resilience strategies across Europe.