

Research Unit Forest Dynamics - colloquium

Date: 12.12.2022

Time: 13:00

Room: Englersaal

Duration: 25 minutes

Author: Davide Marangon, RU Forest Dynamics

Title: **Forest regeneration dynamics and their interaction with biological legacies, particularly deadwood**

Abstract:

Deadwood in forests can originate from the natural senescence of trees and small or big disturbances. Since in October 2018 the storm Vaia damaged more than 10 million m³ in the northeast of Italy, I focused my research on post-disturbance regeneration dynamics and the interaction with deadwood. I established two different studies: The first about artificial regeneration in windthrown areas and the indirect function of deadwood in creating favorable conditions on implanting microsites. The second monitoring the natural regeneration dynamics in different areas damaged by storm Vaia. I analyzed the regeneration dynamics after salvage logging in more than 80 areas in the northeast Italian Alps, in relation to distance from windthrow edge and logging methods, and monitoring over time two different sites near Cortina d'Ampezzo, comparing salvage logging and non-intervention treatment on the same area.