

Research Unit Forest Dynamics - colloquium

Date: 05.03.2024

Time: 10:30

Room: Engler-Saal

Duration: 25 minutes

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Title: **Future suitability of the tree species composition in Swiss forests**

Abstract:

Based on the TreeApp recommendations on future climate-adapted tree species and the observed tree species and regeneration composition as per the 4th National Forest Inventory (NFI4), we classified the NFI sample plots into three levels of future suitability. Across Switzerland, 57% of the plots were rated as suitable, 23% as partially suitable, and 17% as not suitable. The proportion of not suitable plots increased with spruce proportion. Suitability of regeneration was higher than the tree suitability in the Plateau and the Jura regions. These results point to the need to promote climate-adapted regeneration in mountain forests.