

# COMMON NON-NATIVE TREES IN THE ALPINE SPACE



*Douglas fir*

*Pseudotsuga menziesii*



THE DOUGLAS FIR IS THE ECONOMICALLY MOST IMPORTANT NON-NATIVE TREE SPECIES IN EUROPEAN FORESTS. IT IS EXPECTED TO HAVE A NEGATIVE IMPACT ON SPECIES DIVERSITY UNDER CERTAIN CONDITIONS AND THEREFORE NEEDS TO BE MONITORED CLOSELY.

*Eastern white pine*

*Pinus strobus*



THE EASTERN WHITE PINE IS AN IMPORTANT SPECIES FOR FORESTRY BUT HAS BEEN SIGNIFICANTLY AFFECTED BY WHITE PINE BLISTER RUST, WHICH HAS STOPPED THE PLANTING OF THIS SPECIES. IT IS INVASIVE IN SOME AREAS, ESPECIALLY ON SANDSTONE.

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- NON-NATIVE TREE SPECIES (NNTS), ALSO KNOWN AS “NON-INDIGENOUS”, “ALIEN”, “INTRODUCED”, “ALLOCHTHONOUS” OR “EXOTIC” TREES, ARE TREE SPECIES, BREEDS OR HYBRIDS IN THE ALPINE SPACE REGION WHOSE PRESENCE THERE IS THE RESULT OF INTENTIONAL OR ACCIDENTAL INTRODUCTION BY HUMANS.
- NNTS CAN MAKE AN IMPORTANT CONTRIBUTION TO THE ADAPTATION OF EUROPEAN FORESTS AND URBAN AREAS TO CHANGES IN CLIMATE, AT THE SAME TIME, THEY POSE A RISK TO BIODIVERSITY AND ECOSYSTEM SERVICES.
- THERE IS CURRENTLY NO GENERALLY ORIENTED STRATEGY FOR MANAGING THESE SPECIES, ESPECIALLY IN THE CONTEXT OF CLIMATE CHANGE, THE ALPTREES PROJECT THEREFORE AIMS TO DEVELOP AND INTRODUCE SUCH A STRATEGY.
- THE ALPTREES PROJECT INVESTIGATES 48 REGIONS IN FIVE COUNTRIES (AUSTRIA, SLOVENIA, ITALY, FRANCE AND GERMANY), AND OUR RESEARCH HAS DETERMINED THAT THERE ARE MORE THAN 110 NATIVE AND 530 NON-NATIVE TREE SPECIES IN THESE REGIONS.
- IT IS IMPORTANT TO MONITOR THE OCCURRENCE OF NNTS, SINCE THERE ARE INVASIVE TREE SPECIES AMONG THEM. MANY ARE OVERLOOKED, AS THEY ARE LOCATED ON PRIVATELY OWNED LAND OR IN URBAN SETTINGS. WE RECOMMEND USING THE iNATURALIST APPLICATION FOR DETECTING AND RECORDING NNTS.



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