

PREPARATION OF MANUAL FOR THE ABIOTIC FACTORS

Short Term Scientific Mission (STSM), COST Action FP1401

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Period: from 2016-06-09 to 2016-10-06

Summary

In this STSM which is compatible with WG2 objectives, the abiotic factors and their effects on coniferous and deciduous tree species have been described according to symptoms and signs by using the photos collected from partner countries. First, the symptoms caused by these factors were determined and each damage type was described clearly and additional information was given about diseases and diagnosis. Data and photos of symptoms for each abiotic factor were categorized and listed. The data has been arranged to the format prepared to the manual and formed as a table. This table consists of three parts: conifers, deciduous, conifers and deciduous trees. The abiotic factors explained in the table are "drought, frost, snow, ice, hail, winter drying, sunscald, wind, wound, fire, mechanical injury, nutrient deficiency, rate of pH, air pollution, salt, pesticide and herbicide". The damage types which each factor causes have been described and additional information about their diagnosis has been given in the table. This information will be combined with the already collated information on biotic factors damaging the trees, seedling and seeds to become part of a comprehensive manual, which will be one of the outputs of the Action.