
Innovative ways to protect wooden utility poles with chromium-free wood preservatives



This project aimed at investigating the serviceability and long-term effectiveness of chromium-free wood preservatives which are processed via impregnation. Correlations between microbial succession and the degradation of active ingredients were investigated. Relationships between the occurrence of wood destroying organisms along the ground line and the diminishing biological effectiveness of biocides were researched. Also the question to what extent ground-line bandages and other maintenance procedures can extend the service life of utility poles which have been impregnated with these new preservatives, had to be answered. In addition, devices for non-destructive evaluation of utility poles were tested.

Title of project: Innovative ways to protect wooden utility poles with chromium-free wood preservatives

Support Program/Supported by/Sponsored by: FFG

Duration: 2008– 2010

Responsible for project/Project Leader/Contact: Dr. Roland Gründlinger

(r.gruendlinger@holzforschung.at)