

COST E50 CEMARE  
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“Wound reactions in trees and wood quality”

## Compartmentalization of injured Scots pine sapwood

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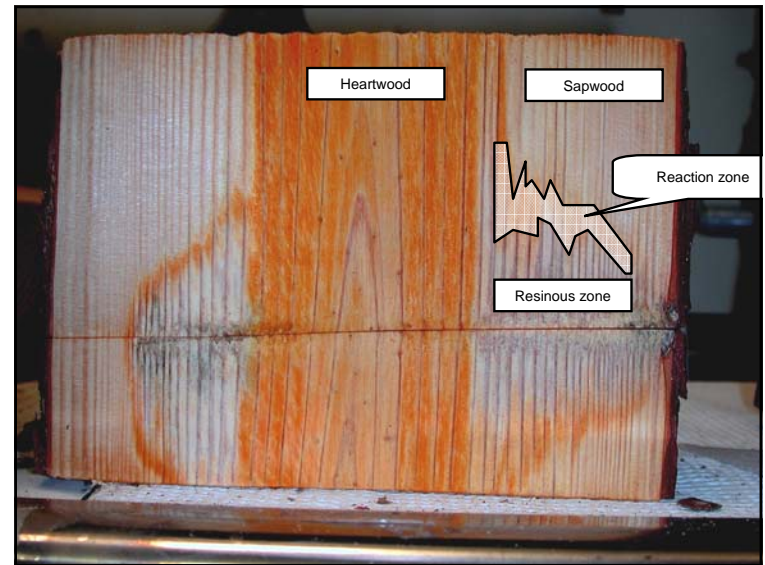
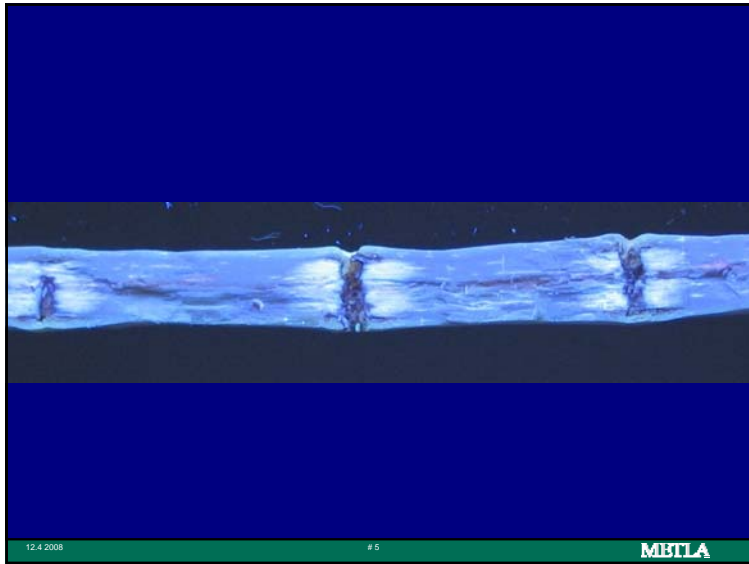
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The aim was to describe changes  
that take place in Scots pine sapwood after  
wounding with an increment core bore (  $\varnothing$  5mm)

Another aim was to compare  
the extractive content of the “wound heartwood” with  
the extractive content of natural heartwood

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Sample	Total resin acids (mg/g)
Resinous zone	593.1 (126.9)
Reaction zone	260.1 (70.6)
Sapwood	2.6 (1.6)
Heartwood	45.6 (41.9)

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Sample	Stilbenes (mg/g)	Total resin acids (mg/g)
Resinous zone	not analysed	593.1 (126.9)
Reaction zone	2.95 (1.60) *)	260.1 (70.6) *)
Sapwood	not analysed	2.6 (1.6)
Heartwood	10.00 (4.91)	45.6 (41.9)

\*) pinosylvin + pinosylvin monomethylether      \*) more details about the relative amount of different resin acids are presented in the poster

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