

Past and Future Wood Use

This Cluster consists of the following three projects and will present about the following:

- 10:00 - 10:45 SRMC: Smart Responsive Microbial Coating
- 10:45 - 11:30 Biological fire retardants
- 11:30 - 12:15 Residue analysis of excavated wooden finds

SRMC: Smart Responsive Microbial Coating

The Smart Responsive Microbial Coating project group will be showing their findings for the optimization of the production process of coating douglas wood. Here how the minimum of 27kg/cm³ fire retardant content is achieved and what settings/parameters were used to get this. The group will also discuss what parameters need to be used to get the highest resistance against leaching of the fire retardant this is done by the use of a suitable leaching method which will be presented.

If there is enough time a useful burning test with results might be something that will be presented during the symposium.

Biological fire retardants

A group called biological fire retardants will discuss two new possibilities for biological fire retardants. The results obtained with the thermogravimetric analysis and the small flame test will be discussed. Which flame retardant can be used in the future?

Residue analysis of excavated wooden finds

From the 14th to the 17th century, products were transported in wooden barrels and casks. This was the primary use for these barrels and casks, while the secondary use for these barrels and casks was to act as the walls of a cesspool. Archaeologists excavated a number of these barrels and casks in Vlissingen eight years ago. Currently Jeroen Oosterbaan is doing his PhD research "From barrels and casks to trade networks". Part of his research is to determine a method to prove what the primary trade products of these barrels and casks were before the wood was used as cesspool walls. Indeed, it is a pioneering piece of research. After reviewing more than 30 methods of analysis, conducting 15 interviews with various experts and conducting own experiments. What are the possible results of our research? Are we able to determine the primary trade products?



The future
is here

