

## **ABSTRACT for IAWPS 2005**

Environmental aspects of current wood preservation and wood durability in Europe.

Dr R.J.Murphy FIWSc.

Department of Biology, Imperial College London, London SW7 2AZ, UK

[r.murphy@imperial.ac.uk](mailto:r.murphy@imperial.ac.uk)

This paper will consider aspects of the environmental impact of wood with enhanced durability in a European context. Special attention will be given to the use of Life Cycle Assessment when comparing the environmental aspects of preservative treated wood and of wood with novel durability enhancements (including natural durability) in comparison with alternative materials. Case studies will be presented to illustrate which aspects of the life cycle of durable wood materials contribute to environmental impact and how the life-cycles of wood products may be optimised in the development of new products having good durability performance.

Keywords : Durability, Preservative, Life Cycle Assessment