



COST E55 : Modelling the performance of timber structures

Working Group 2: Vulnerability of components

physical durability aspects



Durability aspects

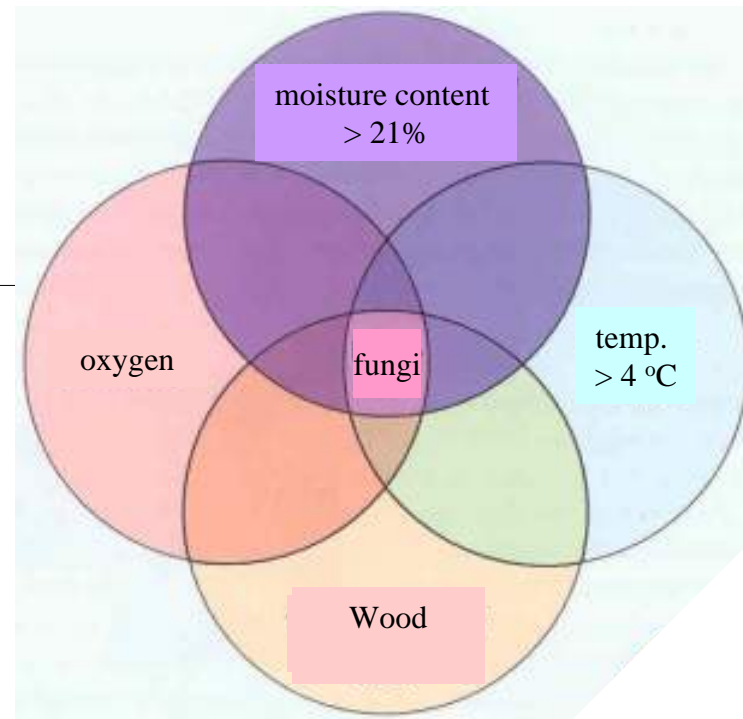
- fungi
- bacteria
- insects





Durability aspects

- fungi
- bacteria
- insects

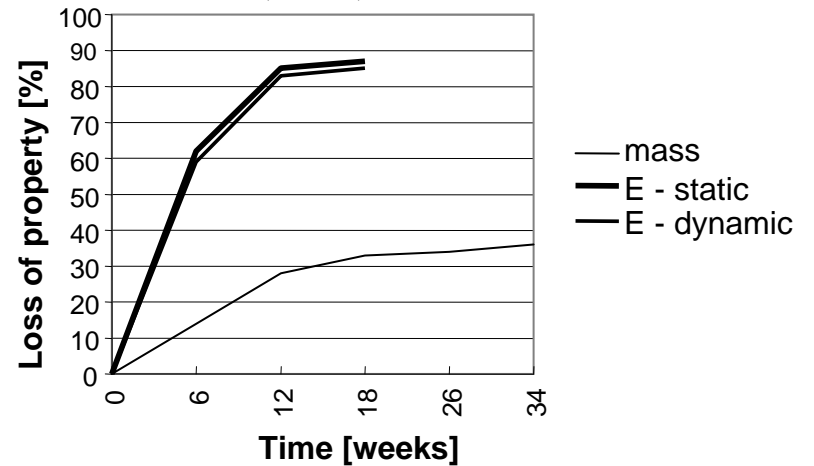


“churchyard test”: loss of mass



Natural durability

Time – loss of property (beech)





Durability aspects

- fungi
- bacteria
- insects



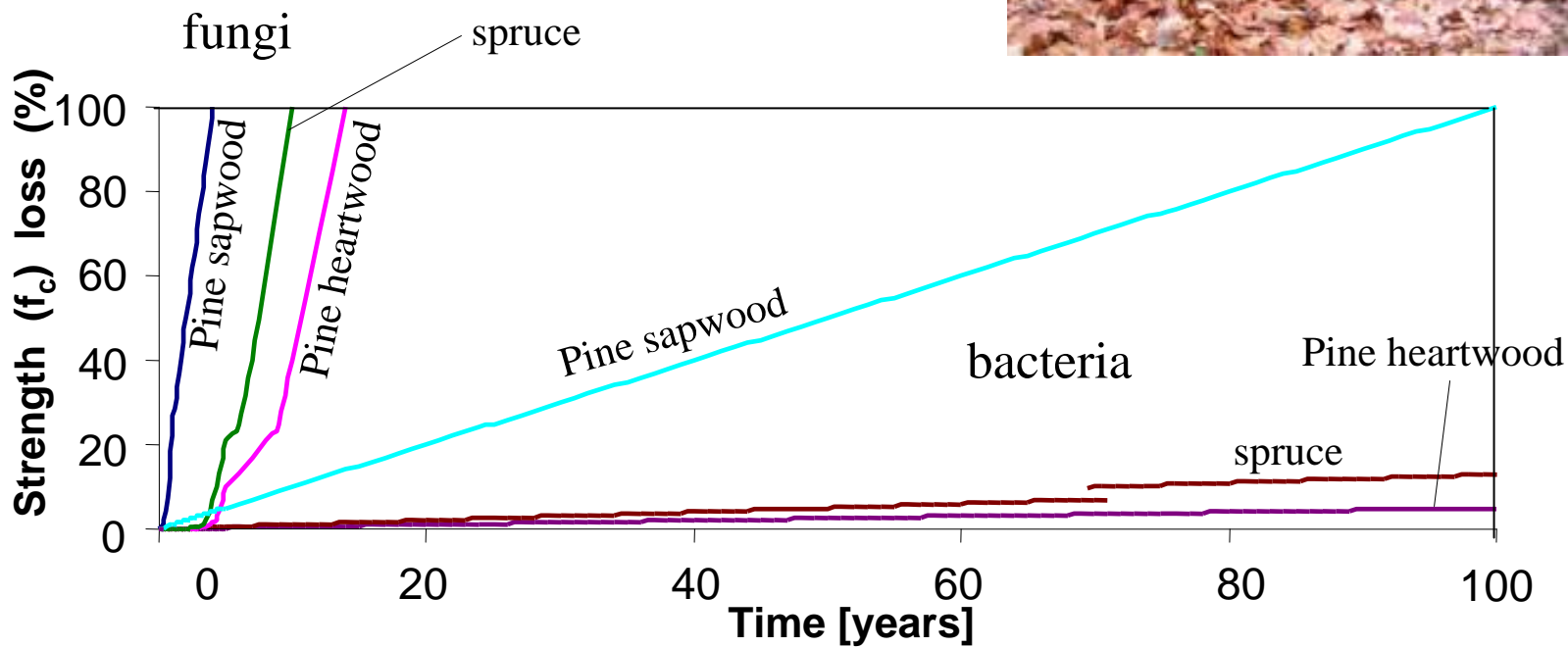
foudation piles



Durability aspects

- fungi
- bacteria
- insects

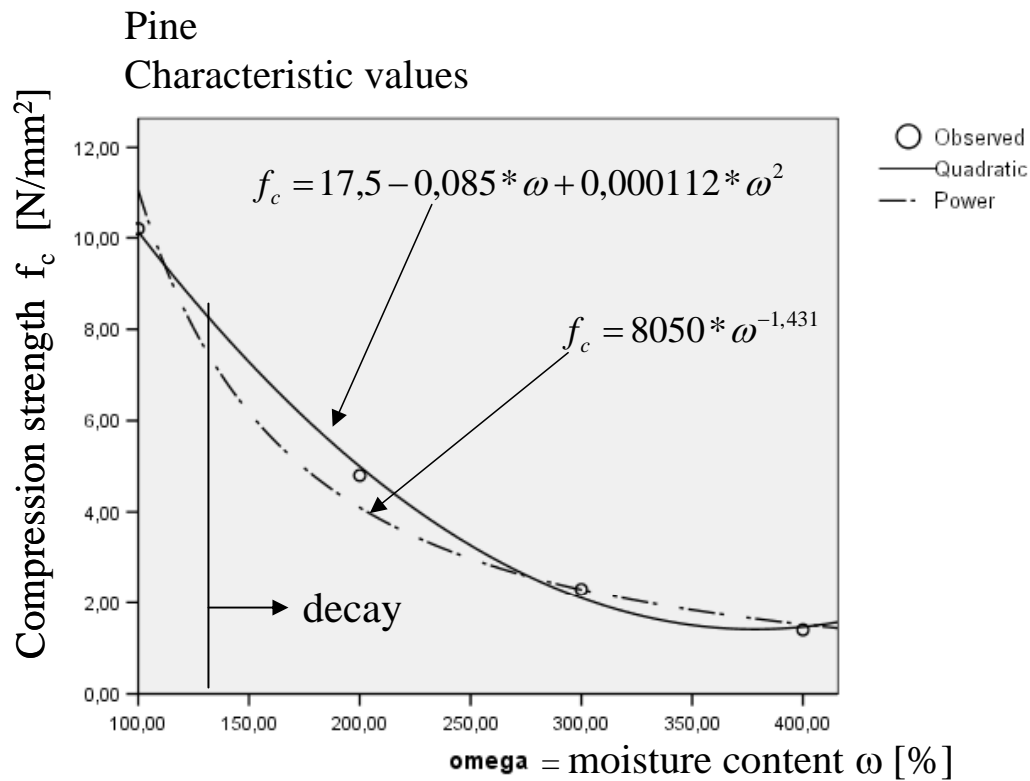




- Pine sapwood [fungi]
- Spruce [fungi]
- Pine heartwood [fungi]
- Pine Sapwood [bacteria]
- Spruce [bacteria]
- Pine heartwood [bacteria]



Moisture content as indication for decay





Thank you for your attention.