



Introduction to WG1: Material capability and enhancement

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Aims

Fundamental understanding of the interaction between decay organisms and the bio-based substrate with respect to:

- Aesthetical and decay aspects related to rot, staining and mould fungi (insects?)



Aims



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- Contributing factors related to degradation
- Assessment / Boundaries of surface desfigurement
- Protective measures (physical, chemical, biological, organizational protection)
- Remediation strategies

Deliverables

- ❑ Better understanding of onset of decay, its prevention/remediation.
- ❑ Prediction models
- ❑ New technologies for enhancement of material properties.
 - Surface protection and modification
 - Indirect protection methods
- ❑ Performance of materials (wood and other bio-based materials) in different environment and climatic conditions.

Work Plan / Dissemination

☐ **Collaborative projects**

- WoodWisdom
- Horizon 2020

☐ **Coordinated research efforts**

- Round robin tests

☐ Peer-reviewed publications

☐ Workshops

Work Plan / Dissemination

- ☐ Cooperation with other WG and other actions
- ☐ Training schools
- ☐ Round robin test (all WPs?)
- ☐ IRGWP
 - Section 1: Biology
- ☐ ECWM



Comments, Ideas....

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