Wood to your good health

Riina Muilu-Mäkelä

Forest Value Partnering Webinar 15th November 2017





Wood to your good health

Physical properties of wood material

- Moisture buffering
- Antimicrobial properties
- Acoustics



Health effects of volatile organic compounds of wood

- Qualitative and quantitative measurements
- Negative health effects
- Positive health effects





Psychophysiology

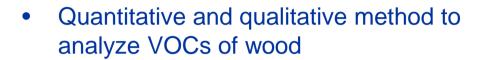
- Activity of autonomic nervous system
- Brain activity
- Attention tests,
 Preference studies,
 Cognitive load



Existing partners and experience













- Platform, test rooms.
- In collaboration with Tampere University we have methods to analyze psychophysiological effects of wood on human wellbeing

and

 Cell models and proteomic studies to evaluate the effects of wood material on eye health during computer work stress







Missing profiles/partners

- Partner with cell or mouse models to test effects of VOCs
- Partner, who will program sophisticated data collection and analysis software
- Partner, who will develop methods to evaluate physiological parameters and/or brain activity during the test setup.
- Industrial partners
- Marketing point of view

Impact of the study

- → Marketing and designing with wood
- → Development of wood products
- → Supports bioeconomy and sustainable development









Thank you!

