

DELIVERABLE REPORTING



Multipurpose hemp for industrial bioproducts and
biomass

(Ref n. 311849)

WP6 – Quality integration

Deliverable 6.10 “Report on the performance of hemp building material”

Lead partner: Aalto

Dissemination level: PU

Delivery date (proj month): 54

Deliverable 6.10 would have been a follow-up report of D6.8. Due to delays in achieving D6.8, D6.10 was delayed beyond the time period of the project.

Seven hemp-based building materials (designated: ca0035 fibra, ca0035 canapulo, ca0050 canapulo, 500 canapulo, ca0050 fibra, 350 canapulo and 700 crossover) were received from CMF Greentech for testing in M49. The first deliverable relating to this task was due M42 (D6.8) and the follow-up (D6.10) in M54. Receipt of the panels in late September 2016 coincided with a significant infrastructure improvement project

at Aalto University, department of Forest Products Technology, which has caused further delays to the testing of the materials and consequently to the completion of deliverables 6.8 and 6.10. The infrastructure improvements are now largely complete, the samples for testing have been prepared and testing has begun. The panels will be tested for degree of humidity after acclimatization (equilibrium moisture content), Modulus of Elasticity, internal bond strength, swelling after 24 hours, change in length and width due to humidity, coefficient of thermal dispersion, coefficient of resistance to vapour pressure, air penetrability, frost resistance, nail fixing and screw fixing as well as mould/fungal resistance.