

Belgium

September 2013



COST FP1205: Innovative applications of regenerated wood cellulose fibres



- Renewable Materials and Nanotechnology Research Group (Wim Thielemans, KU Leuven Kortrijk)
- KULeuven Materials Research Centre (Ignace Verpoest, KU Leuven)
- Center of Innovation and Research in Materials and Polymers (Philippe Dubois, Umons)
- Textile Competence Centre (Jan Laperre, Centexbel)

This is not a complete list (I have only started here 3 weeks ago so I am still compiling the list and finding my way around....)



Renewable Materials and Nanotechnology Research
Group (Wim Thielemans, KU Leuven Kortrijk)

Relevant projects:

- Sustainable Production of Aerogels from Cellulose (2012-2016)
- Hierarchical nanostructured materials through nanoparticle self-assembly (2013-2018)

Specific expertise:

- Polysaccharide surface chemistry (e.g. XPS characterisation)
- Nanoparticle self-assembly
- Interactions between nanoparticles or with polymers



KULeuven Materials Research Centre (Ignace Verpoest, KU Leuven)

Numerous projects on composite materials with natural fibre reinforcement (world-reknown research center)

Note: Ignace Verpoest has just retired and I don't know yet who is taking over the daily running of the center.



Center of Innovation and Research in Materials and Polymers (Philippe Dubois, Umons)

Numerous projects on composite materials and renewable materials. E.g.

. Materials for Renewable Energy NaturE's Way: RENEW, NSF (USA), Partnerships for International Research and Education PIRE 2012: from October 2012 to September 2017

. Renewable eco-friendly poly(lactic acid) nanocomposites from waste sources :
ECLIPSE

EU 7th Framework Program - Small Scale Project - NMP : from April 2012 to March 2015

. High performance multifunctional biopolymers for structural applications :
HIGHBIOPOL

EU 7th Framework Program - ERA-NET "MATERA+" : from October 2010 to September 2013



COST FP1205: Innovative applications of regenerated wood cellulose fibres



Textile Competence Centre (Jan Laperre, Centexbel)

*Numerous projects on lignocellulose reinforced composites and surface modification of fibres.
Participant in several FP7 projects on nanocellulose composites*



- Extruders (including co-extrusion), injection moulding equipment and other thermoplastics processing equipment of all sizes (spread over several research centres)
- State of the art rheology equipment with experts in rheology at KU Leuven (Jan Vermant, Peter van Puyvelde, Paula Moldenaers, Christian Clasen)
- Light Scattering (dynamic and static)