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**Involvement in the COST Action: Member of MC, Member of WG1**

Research interest

Development of innovative, sustainable, biobased materials, products and processes, surface modification of biobased materials.

Specialized technique available in my lab

Lab equipment for

- Pilot plants for modification processes at 2 l and at 10 l scale. Fully equipped with measuring and steering equipment and each reactor accompanied by 2 other pressure vessels which can be independently steered in temperature and pressure.
- Full scale pilot plant in preparation.
- All equipment for sample preparation incl. traditional impregnation plant.
- Weathering equipment (Q-sun and QUV) and large scale weathering equipment for full scale products.
- Field sites at several locations in the Netherlands (3) and Portugal (1).

Additional comment

One of the strategical TNO topics focusses on BioBased Economy (BBE) topics. One of the research topics within BBE is modification of lingo-cellulosic materials. Within this topic we have projects in massive wood modification, in fibre modification and in surface modification.