BioTex Fieldlab
Co-creation of textile products with new fibers and yarns of bio-based polymers

**OBJECTIVES**

- Developing a demand-driven open innovation centre: BioTex Fieldlab
- Developing eight new textile products based on biopolymers
- Analysis of the (textile) properties of the biopolymers
- Positioning of the testbed at Brightlands Chemelot Campus

**FUNDING AGENCY**

**ALL INDUSTRIAL PARTNERS**

**Steering Committee**

**Industrial partners**

**PLA BASED SOCKS**
Category: apparel yarn
Polymer: Total | Corbion
Spinning: AMIBM
Demonstrator: Starsock

**PLA BASED GLOVES**
Category: apparel yarn
Polymer: Total | Corbion
Spinning: AMIBM
Demonstrator: NTU

**PLA BASED CARPET BACKING**
Category: bicomponent yarn
Polymer: Total | Corbion
Bicomponent spinning: Oerlikon Neumag
Production: Bonar

**PLA BASED CARPET YARN**
Category: Carpet yarn (BCF)
Polymer: Total | Corbion
BCF spinning: Oerlikon Neumag
Demonstrator: Rinos

**PLA BASED DRESS SHIRT**
Category: apparel yarn
Weaving and confectioning: Sapphire

**PLA BASED DUVET**
Category: Staple fiber yarn
Polymer: Total | Corbion
Spinning: AMIBM
Demonstrator: Auping

**OVERALL OBSTACLES**

high stiffness, washing fastness, shrinkage of yarn