



BIOBASED NANOMATERIALS COMMUNITY

BIOMAC (Biobased Nanomaterials Community) is a Horizon2020 project which will establish an **Open Innovation Test Bed (OITB)**, a collaborative **ecosystem** where technologies and solutions utilising **biobased nanomaterials** will be **upscaled and prepared for market applications, providing open access to SMEs and industry via single-entry point.**

THE TEST CASES

Initially, five test cases will validate the proper operation of the OITB and will provide feedback on their experience. The **five test cases** are:



Automotive



Agriculture



Food packaging



Construction



Printed electronics

The BIOMAC **ecosystem** will function as a **cluster of parallel activities** taking the form of **17 Pilot Lines (PL)** covering the whole value chain, from biomass fractionation to final-enabled biopolymers. Each PL will be managed by two project partners and their activities will enable the realization of **5 concrete outputs (Test Cases)**, demonstrating the validity of BIOMAC's approach and the **high value of bio-based nano-materials applications.**



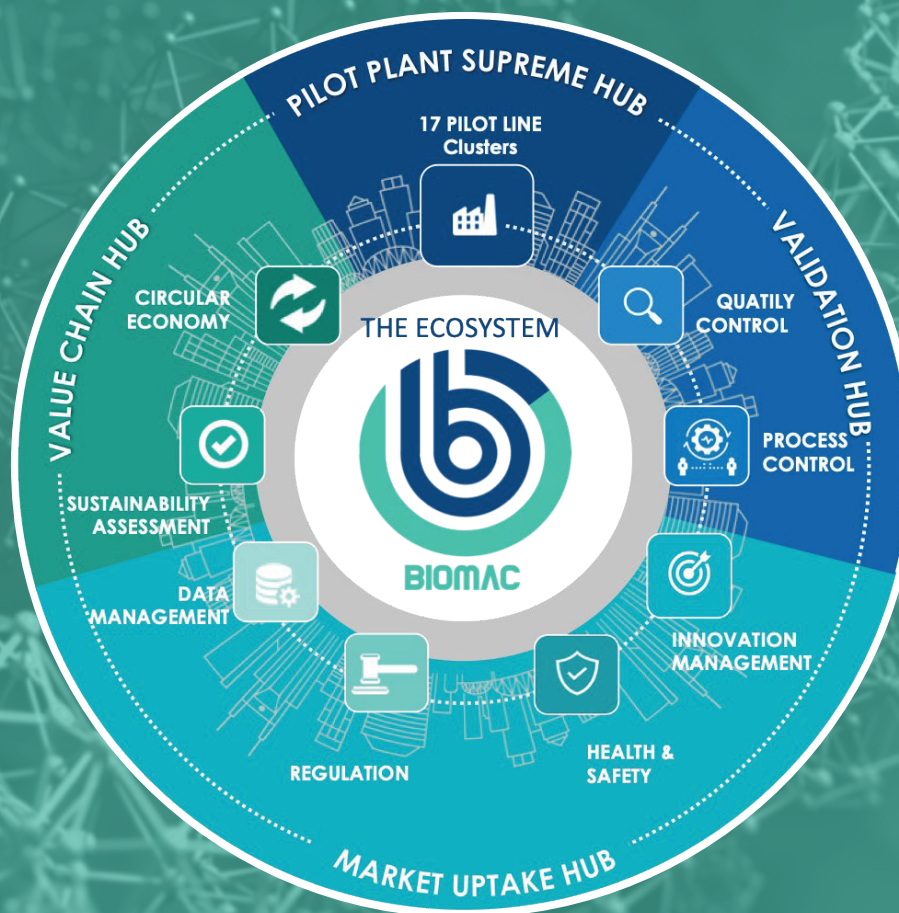
OPEN INNOVATION TEST BED (OITB)

The BIOMAC OITB will develop **tailor-made solutions** for **producing** and integrating **nanomaterials** across the **bio-based value chain** and will offer services that cover the assessment of regulation and safety, sustainability, circularity, market potential among with modelling, process control, standardization and characterization.

THE OPEN CALL

After the validation of the BIOMAC ecosystem through the 5 test cases, an **open call** for expression of interest for stakeholders will be launched, **inviting 5 more test cases** to assess the OITB. **BIOMAC** will function as a **one-stop-shop** accessible at fair conditions and costs through a single-entry point, represented by European Bioplastics.

The **ambition** of **BIOMAC** is to **boost and sustain innovation** in the field of **European bio-economy industries**, by reducing the time-to-market of novel nanotechnologies, thus **reducing costs and risks**.



www.biomac-oitb.eu/



Contact us! 
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