



BIOSTYRENE

New bio-based materials to reduce plastic waste in the Baltic region

PROJECT TITLE	BioStyrene – Novel lignin-based plastics for sustainable polymer industry
IMPLEMENTATION PERIOD	01.06.2019 – 30.04.2022
ORGANISATIONS INVOLVED	University of Tartu (EE); Saint Petersburg State Forest Technical University (RU); TBD-Biodiscovery Ltd (EE); Research-and-production company «VAPA» Co Ltd (RU)
PROGRAMME	Estonia – Russia CBC 2014-2020
TOTAL BUDGET	586.986,56 €



The BioStyrene project develops a scalable process to replace fossil based non-biodegradable styrene used in polymer industry with a potentially biodegradable bio-based styrene counterpart from wood biomass. The project is also testing the applications of this material in new products. The project activities include development and a small-scale testing of various styrene-type monomers from lignin in a laboratory setting. The selected monomers are to be tested in different plastics and coatings by SMEs.

OPEN INNOVATION



ECONOMIC DEVELOPMENT



Project co-funded by the European Union