



Novel lignin-based plastics for sustainable polymer industry

“BioStyrene” ER30



BENEFICIARIES AND BUDGETS

- **University of Tartu – EUR 213 127,56**
- Saint Petersburg State Forest Technical University –EUR 94 000,00
- TBD-Biodiscovery Ltd – EUR 70 909,00
- Research-and-production company «VAPA» Co Ltd – EUR 121 000,00
- "Plastpolymer" Joint-stock company – EUR 87 950,00

ASSOCIATES

- Stora Enso Oyj
- CH-Bioforce Oy



BUDGET

Total: EUR 586 986,56
Programme co-financing: EUR 437 617,00



DURATION

35 months
01.06.2019-30.04.2022



T01 Business and SME development





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SUMMARY OF THE PROJECT

The Project focuses on the development of 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 and test the applications of this material in new products.

Within the course of 35 months the number of new solutions and studies will be developed jointly by Project beneficiaries, including:

- The development and the small-scale testing of various styrene-type monomers from lignin in a laboratory setting.
- Scale-up and adjustment of the synthesis process to ensure high yield and cost-efficiency.
- Testing of the selected monomers in different plastics and coatings by SMEs.

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T01 Business and SME development

