



LITHUANIA
Lietuva



Historically, Lithuania is known for its industrial enzyme production, which has been concentrated in the Baltic country. In 2017, the "Lithuanian Bioeconomy Development Feasibility Study" evaluating the state and potential of bioeconomy in Lithuania was published. The country's activities in the bioeconomy have a total turnover of EUR 11 310 million and employ 217 997 people.*



The BBI JU activities in Lithuania concentrate on R&I by funding a project involved in the development of a biorefinery concept based on the use of enzymes and ultrasound for the conversion of lignocellulosic biomass into chemicals and fuels. The Lithuanian beneficiary, JSC "Biocentras", is a scientific-industrial company established in 1988. The leader in business and science partnership in Lithuania is performing scientific studies and experiments and developing new biological products and technologies.

Example of a BBI JU project with a Lithuanian beneficiary :

🔗 **US4GREENCHEM** aims to design a biorefinery concept for the complete valorization of lignocellulosic biomass that is energy and cost-efficient and based solely on green technologies. The project combines enzyme treatment methods with ultrasound pre-treatment capable of breaking up the lignocellulosic matrix with reduced energy input and minimal production of inhibitory by-products. The substrate obtained from the lignocellulosic feedstock is then used in the biochemical field and in order to produce biofuels.



1 SME involved in R&I activities



2 young scientists from Lithuania received the EUCYS bioeconomy prize in 2016 and 2018



Nearly **8%** of the Lithuanian population works in the bioeconomy sector

*Source: Bioeconomy Knowledge Center (2015); German Bioeconomy Council (2015); Lithuanian Bioeconomy Development Feasibility Study (2017)



▶ More information about BBI JU projects in Lithuania



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