Project Information

**GreenRubber**

Grant agreement ID: 101067117

*DOI*

[10.3030/101067117](https://doi.org/10.3030/101067117)

**Funded under**

Marie Skłodowska-Curie Actions (MSCA)

**Total cost**

€ 0,00

**EU contribution**

€ 214 934,40

**Start date**

1 January 2023

**End date**

31 December 2024

**Coordinated by**

KOBENHAVNS UNIVERSITET

Denmark

Project description

**Harnessing yeast to produce natural rubber sustainably and cost-effectively**

Natural rubber is obtained from latex, a milky liquid produced by certain plants. It is essential in many industrial applications, among them the production of tyres. Currently, the EU neither produces nor processes natural rubber, the majority of which is imported from Asia. Complicating dependence on other countries is the sensitivity of production to disease and climate change. The need for an independent supply of environmentally friendly natural rubber is critical to European competitiveness and citizens’ quality of life. With the support of the Marie Skłodowska-Curie Actions programme, the GreenRubber project will develop yeast-
based biotechnology to produce high-quality natural rubber from cheap and readily
renewable materials such as sugar.

**Fields of science**

- natural sciences > biological sciences > biochemistry
- engineering and technology > industrial biotechnology > metabolic engineering
- natural sciences > chemical sciences > polymer sciences
- social sciences > economics and business > economics > sustainable economy
- natural sciences > biological sciences > molecular biology

**Programme(s)**

HORIZON.1.2 - Marie Skłodowska-Curie Actions (MSCA)

**Topic(s)**

HORIZON-MSCA-2021-PF-01-01 - MSCA Postdoctoral Fellowships 2021

**Call for proposal**

HORIZON-MSCA-2021-PF-01

See other projects for this call

**Funding Scheme**

HORIZON-AG-UN - HORIZON Unit Grant

**Coordinator**

KOBENHAVNS UNIVERSITET

Net EU contribution

€ 214 934,40
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European Union, 2023