

Project description

„Developing a forest-based Bioeconomy in Germany and Uruguay (DE-URY-forest)“

The overarching goal of the project is to identify promising tree species and potential pathways to new products for a sustainable forest-based bioeconomy in Germany and Uruguay.

The benefit for Germany lies primarily in the enrichment of the existing tree species portfolio in mixed forests with promising climate-resilient tree species from the southern hemisphere. The benefit for Uruguay mainly involves the adaptation of smart forest management systems for native mixed forests and plantations, which integrate biodiversity and many other ecosystem services into new mixed forest stands and agroforestry systems, as well as the establishment of a future forest-based bioeconomy cluster based on the respective raw material potentials. In particular, new product systems of a future bioeconomy offer attractive growth potentials with positive impacts on biodiversity, climate change, employment, and value creation in Uruguay.

The project comprises three specific sub-tasks, which are handled by the participating institutions:

1. Forests and Agroforestry Systems (FAFSys-TUM)
2. Wood Utilization Pathways (BGP-TUMCS)
3. Sustainability Assessment and Cluster Potentials (SBE-TUMCS)

The project coordination lies with the Chair of Sustainable Business Management at the TUM Campus Straubing for Biotechnology and Sustainability (SBE-TUMCS).

Project Coordinator: Prof. Dr. Hubert Röder (SBE-TUMCS)

Project Partners: Chair of Biogenic Polymers (BGP-TUMCS) and Chair of Forest and Agroforestry Systems (FAFSys-TUM)

Project Start: 01.06.2024

Project End: 31.05.2027

Project Sponsor: Agency for Renewable Resources (FNR), funded by the Federal Ministry of Food and Agriculture (BMEL).