



UNITED KINGDOM

United Kingdom



In the UK, a dedicated Bioeconomy Strategy at national level is under development. The initiative is jointly led by government and industry. Other key strategies related to the bioeconomy include the "Industrial Strategy" (2017), which is the UK's overarching strategy for economic growth and productivity, and the "Clean Growth Strategy" (2017), which sets out how the country will meet their long term carbon reduction targets. With an annual turnover of approx. EUR 227 925 million, the country employs more than 1 002 500 people in the bioeconomy.*



With 55% of the beneficiaries being involved in R&I projects and nearly 30% operating on demo-scale, the UK's BBI JU activities in the bioeconomy sector revolve mainly around innovation and demonstration of technologies and products in areas such as bio-based chemicals and bioplastics.

Examples of BBI JU projects with British beneficiaries :

- ④ **ReSolve** sets out to replace hazardous solvents with safer alternatives derived from non-food carbohydrates. These new solvents will have a wide range of applications and will improve public health and safety by reducing the use of the toxic and environmentally damaging substances.
- ④ **FRESH** develops an innovative, cellulose-based alternative to existing fossil-based plastic trays. The outcome of this demonstration project will be a fully bio-based and biodegradable composite material bringing important benefits for citizens and environment alike.
- ④ **POLYBIOSKIN** seeks to broaden the use of biopolymers in skin-contact applications such as nappies, beauty masks and wound dressing. The products, derived from biomass and food waste, provide a more environmentally friendly end of life given their biodegradability, allowing organic recycling.
- ④ **ZELCOR** will demonstrate the feasibility of transforming lignocellulose side streams into high added-value bio-based products. It combines chemical and enzymatic catalysis with insects-based biological conversion thus reducing waste and improving the resource efficiency and environmental footprint of the whole sector.

*Source: Bioeconomy Knowledge Center (2015)



50%
of BBI JU funding goes to **SMEs**



Nearly **70%**
of beneficiaries are **research centers**



More than **1 million**
people employed in the **bioeconomy sector**



▶ [More information about BBI JU projects in United Kingdom](#)



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