



NORWAY
Norge



In terms of bioeconomy, Norway holds high potential thanks to the abundance and diversity of its natural resources. The wood, paper and food industries are among the main economic sectors and especially its fishing and aquaculture industries increase export revenues. The national "Government's Bioeconomy Strategy" was published in 2016, and several research and innovation programmes, like BIONÆR, BIOTEK2021 and "The biorefinery program" are implementing the strategy.



With 60% of the beneficiaries being involved in R&I projects and 30% operating on demo-scale, Norway'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 food supplements. One first-of-its-kind flagship biorefinery funded by BBI JU aims to establish bio-based products on the market.

Examples of BBI JU projects with Norwegian beneficiaries :

- ④ **Exilva** is extracting value from forestry sidestreams and creating Microfibrillated cellulose (MFC), a high value product with a low CO2 footprint and multiple applications in a range of business and consumer products such as personal care and home care products, cosmetics, adhesives and sealants.
- ④ **AQUABIOPRO-FIT**'s main objective is to promote efficient utilisation of European aquaculture, fisheries and agriculture sidestreams in feeds and nutritional supplement products promoting fitness and health by developing processing technologies to up-concentrate nutrients and bioactives.
- ④ **iFermenter** aims to develop an intelligent fermentation system exploiting the sugar mixture in residual lignocellulosic sidestreams. The highly efficient and cost-effective process provides a competitive feedstock alternative while reducing the carbon footprint of comparable processes and contributing to circular economy.
- ④ **BIOFOREVER** aims to convert lignocellulosic feedstocks into chemical building blocks and high added-value products. The project offers job creation in the agricultural/ forestry sector and, by creating bio-refinery technologies as export products, positions European ports for the transition to renewables driven business.



60%
of projects
involved in
**demo-scale
production**



1
first-of-its-
kind **flagship
biorefinery**
funded by BBI JU is
producing a wide
range of MFC-based
consumer products



More than
1/2
of the beneficiaries
are **research
centers**

*Source: Bioeconomy Knowledge Center (2015); German Bioeconomy Council (2015); The Research Council of Norway



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



www.bbi-europe.eu



@BBI2020