BioBoost
Accelerating biobased horticulture

Various products from cereal, olive, potato and tomato waste

Crop	Wheat *Triticum aestivum* Tomato *Solanum lycopersicum L.* Potato *Solanum tuberosum* Barley *Hordeum vulgare L.*
Croppart	Roots / Tubers Leaf Fruit Seed Stem
Application area	Food & feed Materials Fine chemicals
Status	Start-up stage

Description

High-value applications from agricultural waste streams

The AgriMax project is a European collaborative initiative that aims to utilise the full potential of agricultural by-products and waste streams. Within AgriMax, innovative technologies are used to extract valuable components – such as fibres, antioxidants, proteins and fragrances – from residues of, among others, tomatoes, potatoes, olives and grains. These components are then applied in sectors such as the food industry, packaging industry, cosmetics and agricultural bioplastics.

The project focuses on the development and scaling up of flexible, modular biorefinery installations that can operate at different locations and with various crop flows. Two demo plants have been realised in Spain and Italy where the technologies are tested and validated in practice. AgriMax thus demonstrates how waste streams can be processed locally into new, circular products.

With this project, AgriMax contributes to reducing food waste, increasing sustainability in the agricultural chain and stimulating the circular economy in Europe.

Project duration: 2016–2021
Funding: EU Horizon 2020
Coordinator: IRIS Technology Solutions

Pros and cons

- Circular economy
- Upgrading of residual flows
- Creating sustainable chemicals

Used conversion methods

Mechanical-Physical processes

Extraction

Biochemical processes

Enzymatic conversion

Resources

http://agrimax-project.eu/#overview Initiative website