



Packaging, food ingredients and agricultural products from cereal, olive, potato and tomato waste

Description

The AgriMax project establishes the technical and economic viability of bio-refining processes on crop and food waste to deliver new bio-compounds for the chemical, food, packaging and agriculture (e.g. fertilisers) industries.

The project develops flexible and affordable processing technologies, including extraction (ultrasound assisted and solvent), filtration, thermal and enzymatic treatments that can be used in a cooperative approach by local stakeholders.



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

Pros and cons

- + Circular economy
 - + Upgrading of residual flows
 - + Creating sustainable chemicals
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Used conversion methods

Mechanical-Physical processes

Extraction

Biochemical processes

Enzymatic conversion

Resources

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