

Agrimax: developing and demonstrating the production of multiple, high value products from crop and food-processing waste.

In Europe, around 90 million tons of food and 700 million tons of crop are wasted every year

Four new agri-value chains from waste

Agrimax will demonstrate the potential of residues and by-products from the processing of tomatoes, olives, cereals and potatoes. The project will maximise the EU's sustainability, while providing new bio-based compounds for the chemicals, food-packaging and farming sectors.



For further information on the Agrimax project, contact:

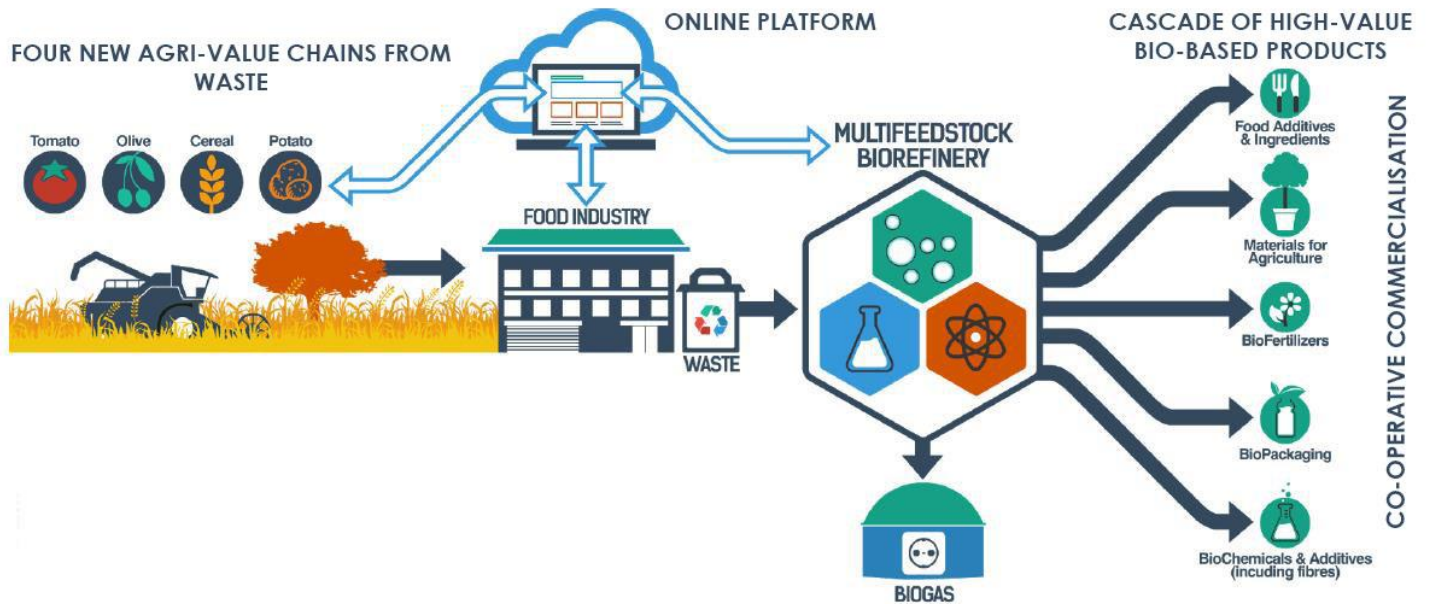
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Flexible, multi-feedstock pilot processing plants

Two pilot processing plants (biorefineries) in Spain and Italy will use unavoidable waste from cereals, olives, potatoes and tomatoes. An online platform to coordinate the provision of waste will help maximise the use of these pilot plants throughout the year.



Cascade of high-value, bio-based products

By applying multiple processes to these waste streams, a cascade of new, bio-based compounds will be produced with applications in:

- packaging (bio-polymers, bio-composites, bio-based coatings, active packaging, stabilising agents)
- food (additives, ingredients, natural flavourings, edible coatings, microbial growth media)
- agricultural materials (biodegradable pots, mulching films, bio-fertilisers)

End users will test these products to validate their cost effectiveness and performance. Any remaining biomass will be used for biogas or returned to the land for soil enrichment.

Co-operative routes to commercialisation

Along with assessments of the environmental, social and economic sustainability of this approach, the project will develop business models for its full-scale commercial adoption by agricultural cooperatives.