

What can CBE JU-funded bio-based solutions do?

Bio-based glues from crop residues

Significantly improve indoor air quality, tested by IKEA on the SUSKET cupboard.

— SUSBIND project



Insulation foam made from eucalyptus tree waste

Performs similarly to current alternatives but generates less CO₂.

— FRACTION project



Sustainable bio-based coating made from lignin

Improves the sustainability of coatings and provides a healthier alternative to fossil-based ones.

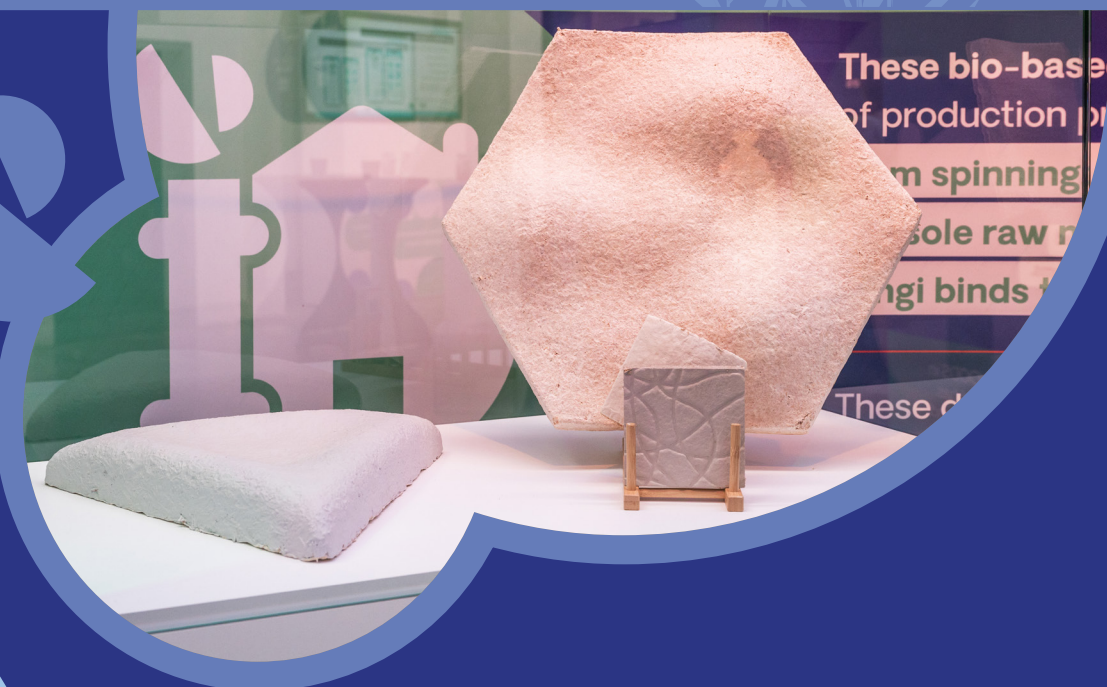
— LIGNICOAT project



Sound insulation panels from waste & fungi

Absorb the noise remarkably and sustainably.

— GRACE project



Insulation foams from forestry residues

Replace fossil-based materials in construction.

— SWEETWOODS project



What can CBE JU-funded bio-based solutions do?



Bio-based organic acids from sugar beet sidestreams

Are valuable ingredients in human and animal nutrition, flavourings and fragrances, lubricants, life sciences and materials sectors.

— AFTERBIOCHEM project



Multi-surface & toilet cleaner made from potato peels, supermarket food waste & leftover mint, lemon and sugar beet pulp

Efficiently removes grease, dirt and limescale and drastically reduces the carbon emissions of cleaning products.

— WASTE2FUNC project

New-generation sugars from hardwood waste

Serve as a food additive and an ingredient of biodegradable materials.

— SWEETWOODS project



Lignin LIGNOVA™ from hardwood residues

Used in building insulation, and in moulds.

— SWEETWOODS project



What can CBE JU-funded bio-based solutions do?

Cognitive supplements from microalgae

Substitute animal-derived and synthetic compounds in food supplements to improve short and long-term memory.

— SCALE project



Sustainable proteins from fungi

Provide a highly nutritious and rich-in-fibre vegan alternative to animal proteins, and cut CO₂ emissions drastically compared to meat-based products.

— PLENITUDE project



Pet food made from algae

Improves animals' health by strengthening the gut barrier and lowering inflammation in dogs, cats and horses.

— MACROCASCADE project



What can CBE JU-funded bio-based solutions do?

Clinically tested youth elixir made with microalgae

Combats inflammation, enhances firmness and elasticity, and rejuvenates the skin.

— SCALE project



Cosmetic products from Andean lupin beans

Prevent the signs of premature skin ageing thanks to their antioxidant and moisturising qualities.

— LIBBIO project

COSMETIC & PERSONAL CARE



What can CBE JU-funded bio-based solutions do?



Bio-based and biodegradable plastic made by microalgae fed with CO₂

Used in roll-on bottles for cosmetic packaging that can safely degrade in water.

— NENU2PHAR project



Bio-based bottles from agricultural residues

Replace fossil plastic bottles while maintaining the quality and freshness of the beer, tested by Carlsberg.

— PEference project



PACKAGING

New bio-based materials from underutilised shrubs & trees grown on marginal lands

Enable consumer products across many areas, like wine packaging or particle boards.

— BEONNAT project

Bio-based materials from vegetable oil grown on marginal lands

Make biodegradable and compostable bags for fruit and vegetables, and organic waste collection.

— FIRST2RUN project

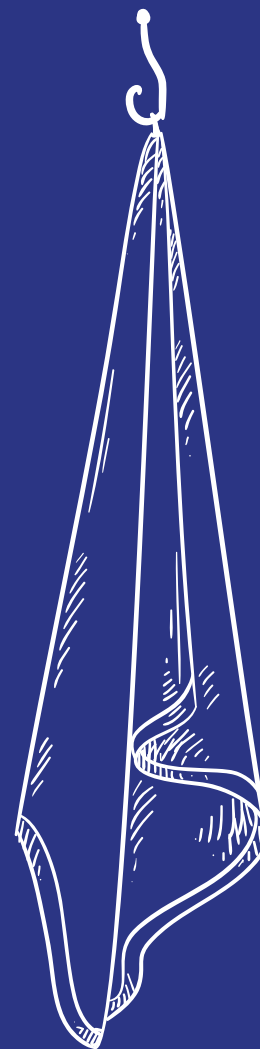


What can CBE JU-funded bio-based solutions do?

Bio-based nylon from sugar beet leftovers

Used to make clothing and decoration items, such as carpets, swimsuits and cycling pants, that can be recycled more easily.

— EFFECTIVE project



Bio-based yarn from industrial organic sidestreams

Improves biodegradability and recyclability of clothes and fishing gear.

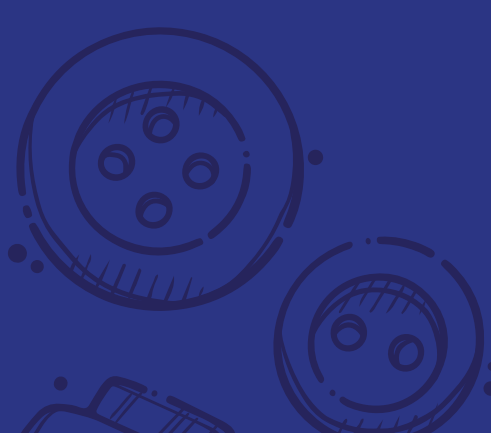
— GLAUKOS project



FDCA (furan dicarboxylic acid) for textiles from agricultural and forestry residues

Replaces fossil-based polyesters with fully recyclable plant-based materials for t-shirts and yarn.

— PEference project



What can CBE JU-funded bio-based solutions do?



Bio-based fertilisers & soil enhancers from agriculture & industry waste

Provide a sustainable plant nutrition alternative to non-renewable raw materials like phosphate rock.

— SUSFERT project



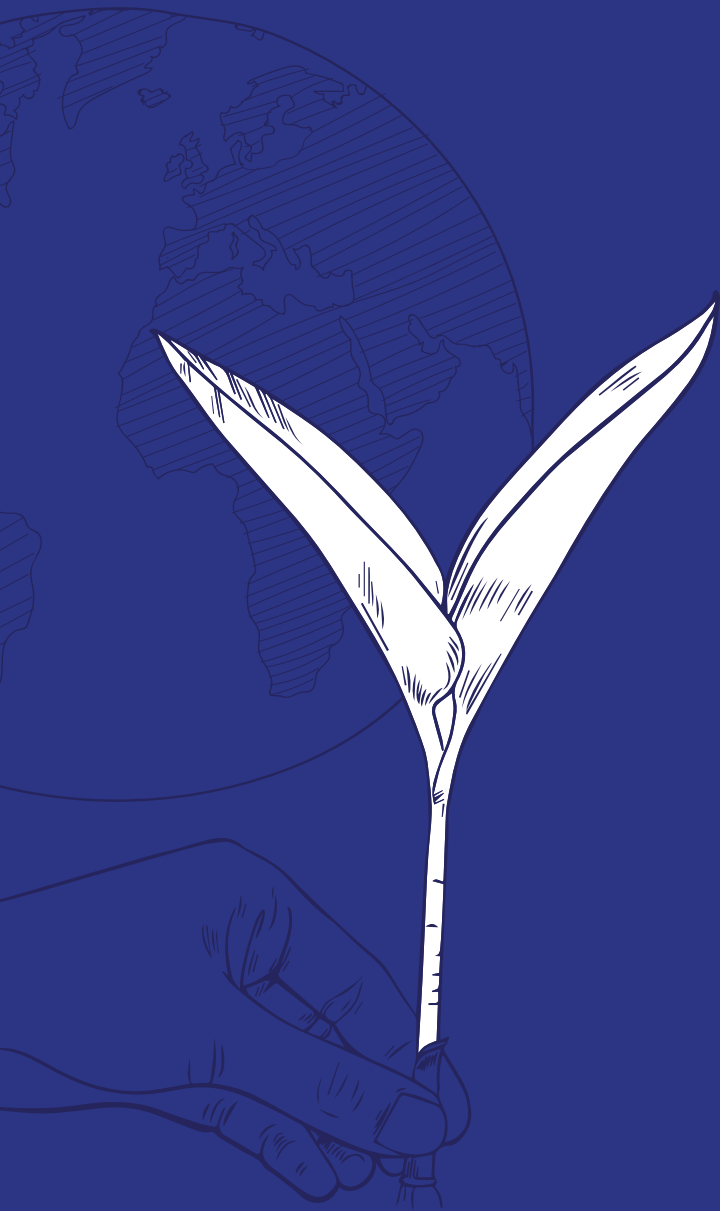
CROP PROTECTION & FERTILISATION PRODUCTS



Bio-based fertilisers from agriculture and industry waste

Adapt to the farmer's needs to promote sustainable agriculture.

— B-FERST project



What can CBE JU-funded bio-based solutions do?



Functional materials for sustainable agriculture from poultry feathers

Used in biodegradable hydroponic foams, mulch films, forest and seed trays and nonwoven geotextiles.

— UNLOCK project





**Go for
bio-based!**