



CHEERS

Producing novel non-plant biomass feedstocks and bio-based products through upcycling and the cascading use of brewery side-streams



CHEERS is an an integral solution for the valorisation of all byproducts and side-streams via 2 novel biobased production platforms (insect and microbial) and 5 bio-based products.



INSECT PLATFORM

Upgrading of bagasse into 200L of **insect-based protein drinks.**



MICROBIAL PLATFORM

Conversion of CO₂ and wastewater into 490 kg/y of **caproic-rich fatty acids mixture for feed.**



Conversion of CO₂ into 50kg/y chlorine for **sanitizing products.**



Conversion of biogas into 20kg/y of ectoine for **cosmetic products.**



Conversion of biogas into 482 kg SCP/y for **pet food production.**



CONTACT INFORMATION

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12 partners | 5 European countries



Life Sciences and Facility Management
Institute of Natural Resource Sciences



proteinsecta



Fostering innovation in the agri-food sector



Automation beyond limits



Funded by the European Union



UK Research and Innovation

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