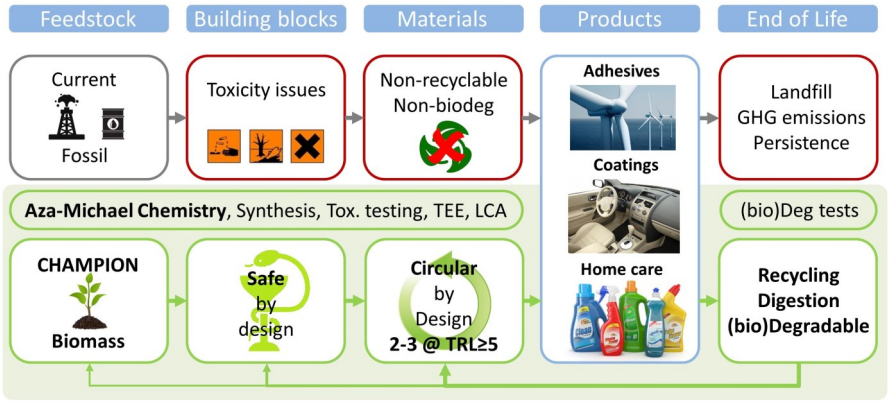
www.champion-project.eu

# CHAMPION
circular bio-based polymers

## Circular High-performance Aza-Michael Polymers as Innovative materials Originating from Nature

**CHAMPION aims to replace conventional polymers with novel and sustainable bio-based polymers for their application in coatings, textiles, home care uses and structural adhesives.**

The majority of conventional polymers are not fit for recycling and end up being incinerated or landfilled. Novel CHAMPION bio-based polymers, resulting from the aza-Michael addition reaction, are expected to be suitable replacements for polymers used in resistant kitchen counter coatings, laundry detergents and other homecare products, car interior surfaces, and structural adhesives. Recovery, chemical recycling and organic recycling are the end-of-life options planned for the design of products using CHAMPION polymers.




### CHAMPION Objectives

- Produce a library of + 50 novel bio-derivable and bio-degradable materials
- Test CHAMPION polymers for home care formulation additives, structural adhesives, coatings and automotive interior surfaces
- Increase resource efficiency and reduce GHG emissions with novel polymers
- Evaluate polyester candidates in environmental, social and economic terms
- Establish an innovative testing strategy to evaluate toxicological safety

### PARTNERS

University of York · SQ sustainable quality consult · BDS · PDC · OWS · Scott Bader Making a positive difference · Orineo original renewables · Wageningen University & Research · VTT · Stahl · circa · nova Institute · Unilever · AVA Biochem


BBI JU · Horizon 2020 European Union Funding for Research & Innovation · Bio-based Industries Consortium

This project has received funding from the Bio Based Industries Joint Undertaking (JU) under grant agreement No 887398. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the Bio Based Industries Consortium.