

OPTIBIOCAT

The Project



The aim of the **OPTIBIOCAT** project is to replace chemical processes currently used for the production of cosmetics with cost-effective, energy-efficient and eco-friendly bioconversions. By developing biocatalysts for the cosmetics industry, OPTIBIOCAT will

contribute to the aim of moving industrial activities towards more sustainable, eco-friendly and cost-effective technologies. The **OPTIBIOCAT biocatalysts** are novel enzymes based on the enzymes ferul esterases (FAEs) and glucuronoyl esterase (GEs) which will allow catalysis of new reactions and more efficient biotransformations.

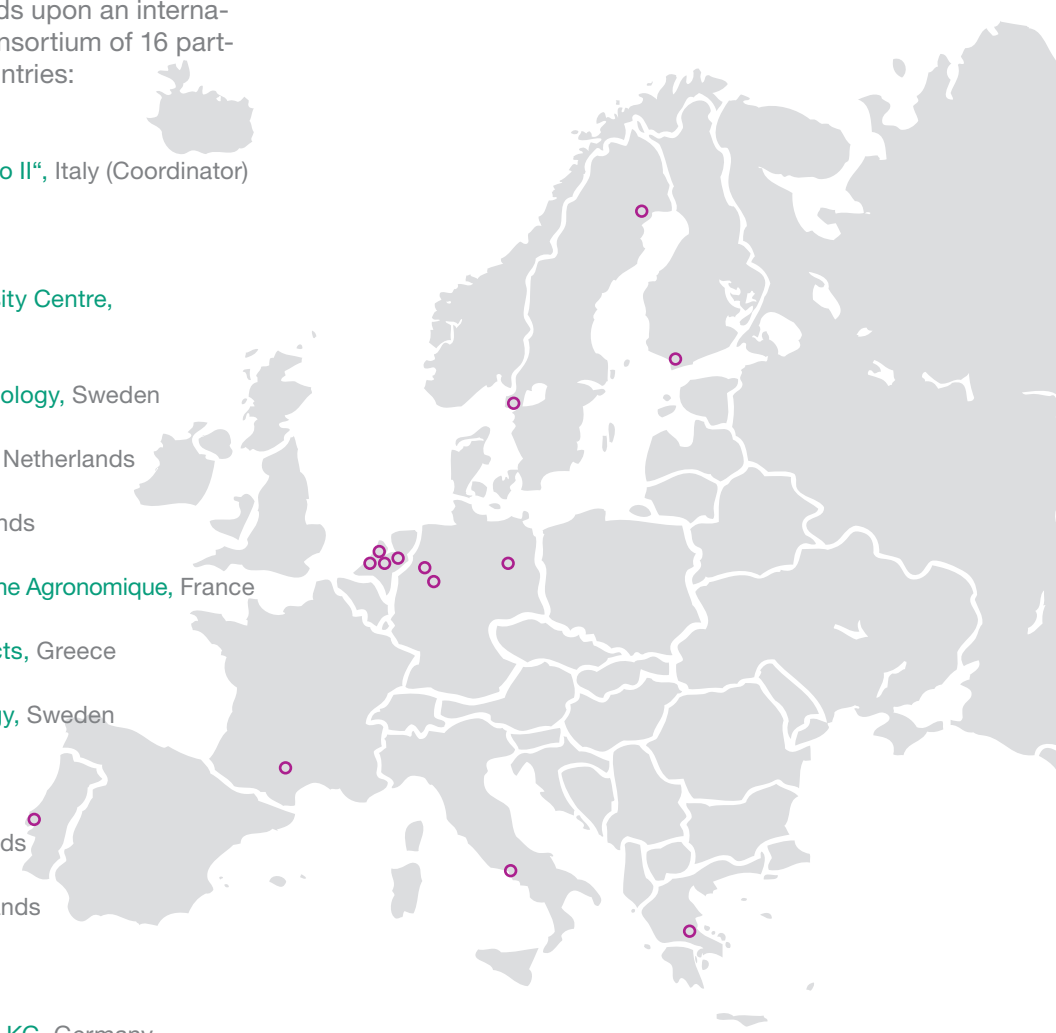
OPTIBIOCAT brings together a broad international team, with partners from universities, research centres and industries. The collaborative project builds upon a highly interdisciplinary consortium of **16 partners from eight European countries**. World-leading experts from Italy, France, Germany, Greece, Portugal, Sweden, the Netherlands and Finland are taking part in the OPTIBIOCAT project.

Prof. Vincenza Faraco from the University of Naples “Federico II” is leading the OPTIBIOCAT consortium. Vincenza Faraco works as an associate researcher in the Department of Chemical Sciences of the University, which has a long-standing tradition in biochemistry and molecular biology.

The Partners

The OPTIBIOCAT project builds upon an international and interdisciplinary consortium of 16 partners from eight European countries:

- **University of Naples „Federico II“**, Italy (Coordinator)
- **BIOCOM AG**, Germany
- **CBS-KNAW Fungal Biodiversity Centre**, The Netherlands
- **Chalmers University of Technology**, Sweden
- **CLEA Technologies B.V.**, The Netherlands
- **Dyadic NL B.V.**, The Netherlands
- **Institut National de la Recherche Agronomique**, France
- **KORRES S.A. Natural Products**, Greece
- **Luleå University of Technology**, Sweden
- **NZYTech**, Portugal
- **Proteonic B.V.**, The Netherlands
- **Service XS B.V.**, The Netherlands
- **SUPREN GmbH**, Germany
- **Taros Chemicals GmbH & Co KG**, Germany
- **University of Helsinki**, Finland
- **Westfälische Wilhelms-Universität Münster**, Germany



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www.optibiocat.eu

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Optimised esterase biocatalysts for
cost-effective industrial production

Innovating the way cosmetics are made



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