



CoRoSECT

Mainstreaming insect farming

 Sustainability benefits

 Demand for protein

 Beyond aquaculture

 A profitable solution to food waste

 Robotics and automation

With the global need for food sources constantly rising, the pressure on the food production industry for a more sustainable approach with a lesser ecological footprint continues. Insect farming surfaces as a potential solution with its incredibly low ecological footprint and as a sustainable source of protein for both humans and animals. CoRoSect will couple the research on bionomics and insect life cycle with new robotic tools and protocols for mechanization and automation of insect farming. CoRoSect will form novel integrated cognitive robotic ecosystems where the repetitive as well as cognitively and physically demanding tasks in insect farming, are replaced by automatic robotic-based procedures. CoRoSect technologies will be evaluated through large-scale pilots in 5 insect farms in Europe, rearing three of the most commonly occurring species, in order to strengthen the European food system.

 Maastricht University

 CERTH
CENTRE FOR RESEARCH & TECHNOLOGY
HELLAS

 University of Applied Sciences
HOCHSCHULE
EMDEN•LEER

 Luke
LUONNONSARAKESKUS

 OAMK
OULU UNIVERSITY OF
APPLIED SCIENCES

 tecnova
CENTRO TECNOLÓGICO

 KU LEUVEN
CENTRE FOR IT & IP LAW

 Atos

 Robotnik

 AGV R


 NASEKOMO

 ENTOMOTECH
Exploring the Science Potential

 ENTOCYCLE

 Italian Cricket farm

 Invertapro

 Field Lab
ROBOTICS

 f/h

 AgriFood
Lithuania

 CIHEAM
BARI