

beeNose

ESA Spark Funding Germany

Space Technology

E-Nose project, funded by DLR, applied at ISS

A measuring system called electronic nose (E-Nose), which records a specific odour image based on volatile organic compound emissions using ten different semiconducting sensors.

Non-Space Application

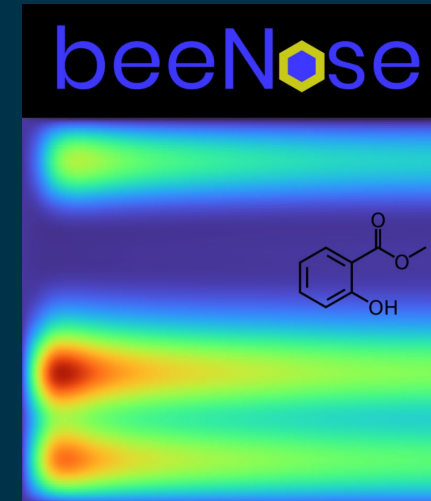
Monitoring bee colonies and crop with E-Nose data and AI capabilities

Monitoring platform blending E-Nose data with on-site data analyzed using machine learning models, applicable in apiary and crop management.

Benefits

Higher productivity with less resources

Identifying potential threats and diseases. Reducing use of pesticides. Preventing significant loss of bee colonies or crop



Contractor:

Lanz GmbH

LANZ

Space Technology Provider/Project Partner:

DLR e.V.

