



Bee Ethic Frames 2.0 a disruptive technology in Apiculture

Fact Sheet

Project Information

BEF 2.0

Grant agreement ID: 835601

[Project website](#) 

DOI

[10.3030/835601](https://doi.org/10.3030/835601) 

Project closed

EC signature date

23 November 2018

Start date

1 December 2018

End date

31 May 2019

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

SKANERGY SRL



Italy

Project description

An advanced way to eliminate bee-killing mite

A mite the size of a pinhead is the bee's worst nightmare. Known as the Varroa destructor, the mite is contributing to the Colony Collapse Disorder, leading to honeybee declines worldwide. The EU-funded BEF 2.0 project will further develop a system to kill the Varroa destructor without harming the bees or beekeepers. It consists of an electronic resistor that is heated by an electricity flow managed through a control unit. The system kills adult Varroa mites and infants which transmit viruses to the bees. Unlike chemical treatments, it does not leave chemical residues.

Available in the Italian market, this innovation will be improved by incorporating a micro control unit to reduce costs and make it easier to use.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [sensors](#) > **[optical sensors](#)**

[natural sciences](#) > [biological sciences](#) > [microbiology](#) > **[virology](#)**

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > **[big data](#)**

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > **[climatic changes](#)**

[agricultural sciences](#) > [animal and dairy science](#) > **[apiculture](#)**



Programme(s)

[H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

Topic(s)

[EIC-SMEInst-2018-2020 - SME instrument](#)

Call for proposal

[H2020-EIC-SMEInst-2018-2020](#)

[See other projects for this call](#)

Sub call

H2020-SMEInst-2018-2020-1

Funding Scheme

Coordinator



SKANERGY SRL

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

VIALE AMENDOLA 56 D

40026 IMOLA

 **Italy** 

SME 

Yes

Region

Nord-Est > Emilia-Romagna > Bologna

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 15 August 2022

Permalink: <https://cordis.europa.eu/project/id/835601>

European Union, 2025