

 Content archived on 2024-06-18



BEES IN EUROPE AND THE DECLINE OF HONEYBEE COLONIES

Fact Sheet

Project Information

BEE DOC

Grant agreement ID: 244956

Project closed

Start date
1 March 2010

End date
28 February 2013



Funded under
Specific Programme "Cooperation": Food,
Agriculture and Biotechnology

Total cost
€ 4 033 875,80

EU contribution
€ 2 992 577,00

Coordinated by
MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG
 Germany

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RESEARCH*EU MAGAZINE



**Biodiversity: supporting
vital ecosystems**

RESEARCH*EU MAGAZINE



Cleaning up space junk

Objective

The BEE DOC comprises a network of eleven partners from honeybee pathology, chemistry, genetics and apicultural extension aiming to improve colony health of honeybees. The BEE DOC will empirically and experimentally fill knowledge gaps in honey bee pest and diseases, including the 'colony collapse disorder' and quantify the impact of interactions between parasites, pathogens and pesticides on honey bee mortality. Specifically BEE DOC will show for two model parasites (Nosema and Varroa mites), three model viruses (Deformed Wing Virus, Black Queen Cell Virus, Israel Acute Paralysis Virus) and two model pesticides (fipronil, τ -fluvalinate) how interactions affect individual bees and colonies in different European areas. The BEE DOC will use transcriptome analyses to explore host-pathogen-pesticide interaction and identify novel genes for disease resistance. The BEE DOC will specifically address sublethal and chronic exposure to pesticides and screen how apicultural practices affect colony health. The BEE DOC will develop novel diagnostic screening methods and develop sustainable concepts for disease prevention using novel treatments and selection tools for resistant stock. The BEE DOC will be linked to various national and international ongoing European, North-, and Latin-American colony health monitoring and research programs, which will not only ensure a pan European but also a global visibility and the transfer of results to a world wide community of beekeepers.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > **[genetics](#)**

[social sciences](#) > [sociology](#) > [demography](#) > **[mortality](#)**

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

[natural sciences](#) > [biological sciences](#) > [zoology](#) > [entomology](#) > **[apidology](#)**

[medical and health sciences](#) > [basic medicine](#) > **[pathology](#)**



Programme(s)

[FP7-KBBE - Specific Programme "Cooperation": Food, Agriculture and Biotechnology](#)

Topic(s)

[KBBE-2009-1-3-03 - Bee health: identification of emerging honey bee pest and diseases and re-emergence of pathogens and explaining the intimate mechanisms and the reasons for the increased honey bee mortality](#)

Call for proposal

FP7-KBBE-2009-3

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



MARTIN-LUTHER-UNIVERSITÄT HALLE-WITTENBERG

EU contribution

€ 544 175,00

Total cost

No data

Address

UNIVERSITÄTSPLATZ 10
6108 Halle

 Germany 

Region

Sachsen-Anhalt > Sachsen-Anhalt > Halle (Saale), Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Participants (10)



THE QUEEN'S UNIVERSITY OF BELFAST

 United Kingdom

EU contribution

€ 322 122,00

Address

UNIVERSITY ROAD LANYON BUILDING
BT7 1NN Belfast 

Region

Northern Ireland > Northern Ireland > Belfast

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



SVERIGES LANTBRUKSUNIVERSITET

 Sweden
EU contribution
€ 424 089,00

Address
ALMAS ALLE 8
750 07 Uppsala 

Region
Östra Sverige > Östra Mellansverige > Uppsala län

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



EIDGENOESSISCHES DEPARTEMENT FUER WIRTSCHAFT, BILDUNG UND FORSCHUNG

 Switzerland
EU contribution
€ 243 590,00

Address
Bundeshaus Ost
3003 Bern 

Region
Schweiz/Suisse/Svizzera > Espace Mittelland > Bern / Berne

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
No data



INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT

 France

EU contribution

€ 312 375,00

Address

147 RUE DE L'UNIVERSITE
75007 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITEIT GENT

 Belgium

EU contribution

€ 362 046,00

Address

SINT PIETERSNIEUWSTRAAT 25
9000 Gent 

Region

Vlaams Gewest > Prov. Oost-Vlaanderen > Arr. Gent

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



INSTITUTE OF ORGANIC CHEMISTRY WITH CENTRE OF PHYTOCHEMISTRY - BULGARIAN ACADEMY OF SCIENCES

 Bulgaria

EU contribution

€ 107 756,00

Address

UL. ACADEMIC GEORGI BONCHEV BLD 9

1113 Sofia 

Region

Югозападна и Южна централна България > Югозападен > София (столица)

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



UMEA UNIVERSITET

 Sweden

EU contribution

€ 173 256,00

Address

UNIVERSITETOMRADET

901 87 Umea 

Region

Norra Sverige > Övre Norrland > Västerbottens län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITAET HOHENHEIM

 Germany

EU contribution

€ 258 438,00

Address

SCHLOSS HOHENHEIM

70599 Stuttgart 

Region

Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

 Spain

EU contribution

€ 160 040,00

Address

CALLE SERRANO 117

28006 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



Ustav molekularnej biologije Slovenske akademie vied

 Slovakia

EU contribution

€ 84 690,00

Address

Dubravská cesta 21

845 51 Bratislava 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 29 May 2017

Permalink: <https://cordis.europa.eu/project/id/244956>

European Union, 2025