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Ecology from Farm to Fork Of microbial drug Resistance and Transmission

Fact Sheet

Project Information

EFFORT

Grant agreement ID: 613754

[Project website](#) 

Project closed

Start date
1 December 2013

End date
30 November 2018



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

Total cost
€ 11 646 878,20

EU contribution
€ 8 999 809,00

Coordinated by
UNIVERSITEIT UTRECHT
 Netherlands

This project is featured in...



Objective

EFFORT studies the complex epidemiology and ecology of antimicrobial resistance and the interactions between bacterial communities, commensals and pathogens in animals, the food chain and the environment. This will be conducted by a combination of epidemiological and ecological studies using newly developed molecular and bio-informatics technologies. EFFORT will include an exposure assessment of humans from animal/environmental sources. The ecological studies on isolates will be verified by in vitro and in vivo studies. Moreover, real-life intervention studies will be conducted aiming at reducing the use of antimicrobials in veterinary practice. Focus will be on understanding the eco-epidemiology of antimicrobial resistance from animal origin and based on this, predicting and limiting the future evolution and exposure to humans of the most clinically important resistance by synthesising different sources of information in our prediction models. Through its results, the EFFORT research will provide scientific evidence and high quality data that will inform decision makers, the scientific community and other stakeholders about the consequences of AMR in the food chain, in relation to animal health and welfare, food safety and economic aspects. These results can be used to support political decisions and to prioritize risk management options along the food chain. The EFFORT consortium is made up of 20 partners from 10 European countries: Belgium, Bulgaria, Denmark, France, Germany, Italy, the Netherlands, Poland, Spain and Switzerland.

The senior investigators leading this proposal bring together complementary strengths antimicrobial resistance, food safety, epidemiology of food borne pathogens and risk modelling, environmental epidemiology and microbial ecology, exposure assessment, veterinary microbiology, preventive molecular characterization of AMR, genetics and biology of DNA transfer mechanisms, whole genome sequencing for bacteria and economics of animal diseases

Fields of science (EuroSciVoc) 

[medical and health sciences](#) > [health sciences](#) > [public health](#) > **[epidemiology](#)**

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

[engineering and technology](#) > [other engineering and technologies](#) > [food technology](#) > **[food safety](#)**

[social sciences](#) > [sociology](#) > [governance](#) > **[crisis management](#)**

[medical and health sciences](#) > [basic medicine](#) > [pharmacology and pharmacy](#) > [drug resistance](#) > **[antibiotic resistance](#)**



Programme(s)

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

Topic(s)

[KBBE.2013.1.3-05 - Ecology of drug resistant bacteria and transfer of antimicrobial resistance throughout the food chain](#)

Call for proposal

FP7-KBBE-2013-7-single-stage

[See other projects for this call](#)

Funding Scheme

[CP-TP - Collaborative Project targeted to a special group \(such as SMEs\)](#)

Coordinator



UNIVERSITEIT UTRECHT

EU contribution

€ 1 588 812,00

Total cost

No data

Address

HEIDELBERGLAAN 8
3584 CS Utrecht
 Netherlands 

Activity type
Higher or Secondary Education Establishments

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

Participants (19)



STICHTING WAGENINGEN RESEARCH
 Netherlands

EU contribution
€ 540 237,00

Address
DROEVENDAALSESTEEG 4
6708 PB Wageningen 

Region
Oost-Nederland > Gelderland > Veluwe

Activity type
Research Organisations

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

Total cost
No data



BUNDESINSTITUT FUER RISIKOBEWERTUNG
 Germany

EU contribution
€ 476 264,00

Address

MAX DOHRN STRASSE 8-10
10589 Berlin 

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Links

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

Total cost

No data



UNIVERSIDAD COMPLUTENSE DE MADRID

 Spain

EU contribution

€ 527 120,00

Address

AVENIDA DE SENECA 2
28040 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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



AGENCE NATIONALE DE LA SECURITE SANITAIRE DE L ALIMENTATION DE L ENVIRONNEMENT ET DU TRAVAIL

 France

EU contribution

€ 557 760,00

Address

14 RUE PIERRE ET MARIE CURIE
94700 Maisons Alfort 

Region

Ile-de-France > Ile-de-France > Val-de-Marne

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE REGIONI LAZIO E TOSCANA

 Italy

EU contribution

€ 222 150,00

Address

via appia nuova 1411
00178 Roma 

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



VION FOOD NEDERLAND BV

 Netherlands

EU contribution

€ 102 840,00

Address

BOSEIND 10

5281 RMA Boxtel 

Activity type

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

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITEIT GENT

 Belgium

EU contribution

€ 507 920,00

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



STIFTUNG TIERAERZTLICHE HOCHSCHULE HANNOVER

 Germany

EU contribution

€ 391 139,00

Address

BUNTEWEG 2

30559 Hannover 

Region

Niedersachsen > Hannover > Region Hannover

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



DANMARKS TEKNISKE UNIVERSITET

 Denmark

EU contribution

€ 1 435 568,00

Address

ANKER ENGELUNDS VEJ 101

2800 Kongens Lyngby 

Region

Danmark > Hovedstaden > Københavns omegn

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



PANSTWOWY INSTYTUT WETERYNARYJNY - PANSTWOWY INSTYTUT
BADAWCZY

 Poland

EU contribution

€ 228 422,00

Address

Partyzantow 57
24100 Pulawy 

Region

Makroregion wschodni > Lubelskie > Puławski

Activity type

Research Organisations

Links

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

Total cost

No data



SAFOSO AG

 Switzerland

EU contribution

€ 460 080,00

Address

WALDEGGSTRASSE 1
3097 LIEBEFELD KONIZ 

Activity type

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

Links

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

Total cost

No data



BULGARIAN FOOD SAFETY AGENCY

 Bulgaria

EU contribution

€ 87 141,00

Address

BULEVARD PENCHO SLAVEIKOV 15 A

1606 Sofia 

Region

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

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



ARTTIC

 France

EU contribution

€ 399 020,00

Address

39 RUE DES MATHURINS

75008 Paris 

Region

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

Activity type

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

Links

[Contact the organisation](#) 

[Website](#) 

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

Total cost
No data



INTERNATIONAL LIFE SCIENCES INSTITUTE EUROPEAN BRANCH AISBL

Belgium
EU contribution
€ 124 880,00

Address
Av. E. Mounier 83
1200 Bruxelles / Brussel

Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type
Research Organisations

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

Total cost
No data



PORQ BV
 Netherlands
EU contribution
€ 160 305,00

Address
VAN GALENSTRAAT 18
5694 CE SON EN BREUGEL

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

Links

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

Total cost

No data



ZS ASSOCIATES AS

Denmark

EU contribution

€ 424 044,00

Address

LOTTENBORGVEJ 26
2800 Kgs Lyngby

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

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

Links

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

Total cost

No data



DYRLAEGE JORGEN LINDAHL / O-VET APS

Denmark

EU contribution

€ 21 602,00

Address

INGEMANNSVEJ 32
4600 KOGE

Activity type

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

Links

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

Total cost

No data



VETWORKS BVBA

Belgium

EU contribution

€ 294 480,00

Address

KNOKSTRAAT 38

9880 Aalter

Region

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

Activity type

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

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

Total cost

No data



WAGENINGEN UNIVERSITY

Netherlands

EU contribution

€ 450 025,00

Address

DROEVENDAALSESTEEG 4

6708 PB Wageningen

Region

Oost-Nederland > Gelderland > Veluwe

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: 6 September 2024

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European Union, 2025