Objective

COMPARE aims to harness the rapid advances in molecular technology to improve identification and mitigation of emerging infectious diseases and foodborne outbreaks. To this purpose COMPARE will establish a “One serves all” analytical framework and data exchange platform that will allow real time analysis and
interpretation of sequence-based pathogen data in combination with associated data (e.g. clinical, epidemiological data) in an integrated inter-sectorial, interdisciplinary, international, “one health” approach. The framework will link research, clinical and public health organisations active in human health, animal health, and food safety in Europe and beyond, to develop (i) integrated risk assessment and risk based collection of samples and data, (ii) harmonised workflows for generating comparable sequence and associated data, (iii) state-of-the-art analytical workflows and tools for generating actionable information for support of patient diagnosis, treatment, outbreak detection and -investigation and (iv) risk communication tools.

The analytical workflows will be linked to a flexible, scalable and open-source data-and information platform supporting rapid sharing, interrogation and analysis of sequence-based pathogen data in combination with other associated data. The system will be linked to existing and future complementary systems, networks and databases such as those used by ECDC, NCBI and EFSA. The functionalities of the system will be tested and fine tuned through underpinning research studies on priority pathogens covering healthcare-associated infections, food-borne disease, and (zoonotic) (re-) emerging diseases with epidemic or pandemic potential. Throughout the project, extensive consultations with future users, studies into the barriers to open data sharing, dissemination and training activities and studies on the cost-effectiveness of the system will support future sustainable user uptake.

Fields of science

natural sciences > computer and information sciences > databases
medical and health sciences > health sciences > infectious diseases
medical and health sciences > health sciences > public health > epidemiology > pandemics
engineering and technology > other engineering and technologies > food technology > food safety
natural sciences > computer and information sciences > data science > data exchange

Programme(s)

H2020-EU.3.1. - SOCIETAL CHALLENGES - Health, demographic change and well-being
H2020-EU.3.1.2. - Preventing disease

Topic(s)
Call for proposal

H2020-PHC-2014-2015

See other projects for this call

Sub call

H2020-PHC-2014-single-stage

Funding Scheme

RIA - Research and Innovation action

Coordinator

DANMARKS TEKNISKE UNIVERSITET

Net EU contribution

€ 3 006 000,00

Address

Anker engelunds vej 101
2800 Københavns 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

Other funding

€ 0,00
Participants (29)

ERASMUS UNIVERSITAIR MEDISCH CENTRUM ROTTERDAM
Netherlands
Net EU contribution
€ 2 656 641,00
Address
Dr molewaterplein 40
3015 GD Rotterdam
Region
West-Nederland > Zuid-Holland > Groot-Rijnmond
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
Other funding
€ 0,00

STATENS SERUM INSTITUT
Denmark
Net EU contribution
€ 919 750,00
Address
Artillerivej 5
2300 København s
Region
Danmark > Hovedstaden > Byen København
Activity type
Research Organisations
Links
Contact the organisation  Website  Participation in EU R&I programmes
FRIEDRICH LOEFFLER INSTITUT - BUNDESFORSCHUNGSINSTITUT FUER TIERGESUNDHEIT

Germany

Net EU contribution
€ 1,000,000.00

Address
Sudufer 10
17493 Greifswald-insel riems

Region
Mecklenburg-Vorpommern > Mecklenburg-Vorpommern > Vorpommern-Greifswald

Activity type
Research Organisations

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0.00

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

France

Net EU contribution
€ 601,250.00

Address
14 rue pierre et marie curie
94700 Maisons alfort

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

Activity type
ROBERT KOCH-INSTITUT

Germany
Net EU contribution
€ 718 000,00

Address
Nordufer 20
13353 Berlin

Region
Berlin > Berlin > Berlin

Activity type
Research Organisations

EUROPEAN MOLECULAR BIOLOGY LABORATORY

Germany
Net EU contribution
€ 1 950 000,00

Address
Meyerhofstrasse 1
69117 Heidelberg
ISTITUTO SUPERIORE DI SANITA

Italy

Net EU contribution

€ 603 125,00

Address

Viale regina elena 299
00161 Roma

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding

€ 0,00

RIJKSINSTITUUT VOOR VOLKSGEZONDHEID EN MILIEU

Netherlands

Net EU contribution

€ 759 500,00

Address
Antonie van leeuwenhoeklaan 9
3721 MA Bilthoven
Region
West-Nederland > Utrecht > Utrecht

Activity type
Research Organisations

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS
United Kingdom
Net EU contribution
€ 971 361,25

Address
Seacole building, 2 marsham street
SW1P 4DF London
Region
London > Inner London — West > Westminster

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

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

THE UNIVERSITY OF EDINBURGH
United Kingdom
UNIVERSITATSKLINIKUM BONN

Net EU contribution
€ 172 675,30

Address
Venusberg-campus 1
53127 Bonn

Region
Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00
ACADEMISCH MEDISCH CENTRUM BIJ DE UNIVERSITEIT VAN AMSTERDAM

Netherlands
Net EU contribution
€ 602 795,00
Address
Meibergdreef 15
1105AZ Amsterdam
Region
West-Nederland > Noord-Holland > Groot-Amsterdam
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

UNIVERSITEIT ANTWERPEN

Belgium
Net EU contribution
€ 402 500,00
Address
Prinsstraat 13
2000 Antwerpen
Region
Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00
ARTEMIS BIO-SUPPORT B.V.

Netherlands

Net EU contribution

€ 306 250,00

Address

Molengraafsingel 10
2629 JD Delft

SME

Yes

Region

West-Nederland > Zuid-Holland > Delft en Westland

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

Other funding

€ 0,00

THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE

United Kingdom

Net EU contribution

€ 504 057,50

Address

Trinity lane the old schools
CB2 1TN Cambridge

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Higher or Secondary Education Establishments

Links
STIFTUNG TIERAERZTLICHE HOCHSCHULE HANNOVER

Germany

Net EU contribution
€ 403 750,00

Address
Bunteweg 2
30559 Hannover

Region
Niedersachsen > Hannover > Region Hannover

Activity type
Higher or Secondary Education Establishments

Other funding
€ 0,00

UNIVERSIDAD DE CASTILLA - LA MANCHA

Spain

Net EU contribution
€ 400 750,00

Address
Calle altagracia 50
13071 Ciudad real

Region
Centro (ES) > Castilla-La Mancha > Ciudad Real

Activity type
**FONDATION MERIEUX**

**France**

Net EU contribution

€ 428 830,00

Address

**Rue bourgelat 17**

69227 Lyon

Region

**Auvergne-Rhône-Alpes > Rhône-Alpes > Rhône**

Activity type

**Research Organisations**

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding

€ 0,00

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**ARISTOTELIO PANEPISTIMIO THESSALONIKIS**

**Greece**

Net EU contribution

€ 353 750,00

Address

**Kedea building, tritis septemvriou, aristotle university campus**

546 36 Thessaloniki

Region

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**INSTITUT FRANCAIS DE RECHERCHE POUR L’EXPLOITATION DE LA MER**

**France**

Net EU contribution

€ 401,807,50

Address

1625 route de sainte anne zone industrielle de la pointe du diable
29280 Plouzane

**Region**

Bretagne > Bretagne > Finistère

Activity type

Research Organisations

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding

€ 0,00

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**ERASMUS UNIVERSITEIT ROTTERDAM**

**Netherlands**

Net EU contribution

€ 438,516,25

Address
Burgemeester oulalaan 50  
3062 PA Rotterdam

Region
West-Nederland > Zuid-Holland > Groot-Rijnmond

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding
€ 0,00

THE AUSTRALIAN NATIONAL UNIVERSITY

Australia

Net EU contribution
€ 0,00

Address
Liversidge street 1 building 67c  
0200 Canberra

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding
€ 30 000,00

WIGNER FIZIKAI KUTATOKOZPONT

Hungary

Net EU contribution
€ 403 750,00

Address
Konkoly thege miklos ut 29-33
1121 Budapest
Region
Közép-Magyarország > Budapest > Budapest
Activity type
Research Organisations
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
Other funding
€ 0,00

CIVIC CONSULTING GMBH
Germany
Net EU contribution
€ 434 531,25
Address
Potsdamer strasse 150
10783 Berlin
Region
Berlin > Berlin > Berlin
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
Other funding
€ 0,00

RESPONSIBLE TECHNOLOGY
France
Net EU contribution
€ 411 387,50

Address
Rue de la chaussée d'antin 12  
75009 Paris

SME
Yes

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

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

Other funding
€ 0,00

ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA

Italy

Net EU contribution
€ 434 181,25

Address
Via zamboni 33  
40126 Bologna

Region
Nord-Est > Emilia-Romagna > Bologna

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding
€ 0,00
LEIBNIZ-INSTITUT DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GMBH

Germany

Net EU contribution

€ 403 770,00

Address

Inhoffenstrasse 7b
38124 Braunschweig

Region

Niedersachsen > Braunschweig > Braunschweig, Kreisfreie Stadt

Activity type

Research Organisations

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network

Other funding

€ 0,00

GENOME RESEARCH LIMITED

United Kingdom

Net EU contribution

€ 200 000,00

Address

Wellcome sanger institute wellcome genome campus hinxton
CB10 1SA Saffron Walden

Region

East of England > East Anglia > Cambridgeshire CC

Activity type

Research Organisations

Links

Contact the organisation  
Website  
Participation in EU R&I programmes  
HORIZON collaboration network
CHARITE - UNIVERSITAETSME dizIN BERLIN

Germany

Net EU contribution

€ 231,583.45

Address
Charitéplatz 1
10117 Berlin

Region
Berlin > Berlin > Berlin

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0.00

Last update: 17 August 2022

Permalink: https://cordis.europa.eu/project/id/643476

European Union, 2024