Building data bridges between biological and medical infrastructures in Europe

Fact Sheet

Project Information

BIOMEDBRIDGES

Grant agreement ID: 284209

Funded under
Specific Programme "Capacities": Research infrastructures

Total cost
€ 13 729 287,62

EU contribution
€ 10 494 998,69

Coordinated by
EUROPEAN MOLECULAR BIOLOGY LABORATORY
Germany

Start date
1 January 2012

End date
31 December 2015

This project is featured in...

RESEARCH*EU MAGAZINE
Objective

The ESFRI infrastructures in Biological and BioMedical Sciences face substantial challenges in accessing and sharing data and resources. The BioMedBridges consortium brings together the six established ESFRI infrastructures with common goals to define, implement and deliver data interoperability across the biological and biomedical domains.

The first objective is to ensure that interoperable standards are available across all data resources and services shared by two of more ESFRI infrastructure. The identified standards will be implemented to enable data interoperation between ESFRI projects in biomedical sciences.

Public data in life sciences will be freely accessible through these standard interoperable services. Private data, however, is a major concern in this domain, for medical information or for data with intellectual property issues. Where projects need to share sensitive data, standards for secure and restricted access will be identified and implemented.

BioMedBridges is a practical solution to the data interoperability requirements of infrastructures in the biological and biomedical domains. A suite of use cases will guide the development and deployment of standards and services with emphasis on the issues arising between specific projects. These may cover the exchange of biomedical and genetic data, linking mouse model organism data with human clinical information, and the deposition of large volumes of data from one project to another.

BioMedBridges is inclusive of emerging infrastructures which can contribute additional data classes and challenges such as bioimaging, ecosystems, small molecules and infectious diseases.

The ESFRI infrastructures leading BioMedBridges are ELIXIR, BBMRI, EATRIS, ECRIN, InfraFrontier and INSTRUCT.

Fields of science

- medical and health sciences
  - health sciences
  - infectious diseases
- natural sciences
  - biological sciences
  - ecology
  - ecosystems

Programme(s)

FP7-INFRASTRUCTURES - Specific Programme "Capacities": Research infrastructures

Topic(s)
INFRA-2011-2.3.2. - Implementation of common solutions for a cluster of ESFRI infrastructures in the field of "Life sciences"

Call for proposal

FP7-INFRASTRUCTURES-2011-1
See other projects for this call

Funding Scheme

CP-CSA-Infra - Combination of CP and CSA

Coordinator

EUROPEAN MOLECULAR BIOLOGY LABORATORY

Address
Meyerhofstrasse 1
69117 Heidelberg
Germany

Region
Baden-Württemberg > Karlsruhe > Heidelberg, Stadtkreis

Activity type
Research Organisations

Administrative Contact
Jillian Rowe (Ms.)

Links
Contact the organisation
Website

EU contribution
No data

Participants (24)
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

United Kingdom
EU contribution
€ 8 494,40

Address
Wellington square university offices
OX1 2JD Oxford

Region
South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Stephen Conway (Dr.)

Links
Contact the organisation
Website

Other funding
No data

KAROLINSKA INSTITUTET

Sweden
EU contribution
€ 332 972,40

Address
Nobels vag 5
17177 Stockholm

Region
Östra Sverige > Stockholm > Stockholms län

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Agneta Häggström (Ms.)

Links
Contact the organisation
Website
SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
United Kingdom
EU contribution
€ 843,744,75
Address
Polaris house north star avenue
SN2 1SZ Swindon
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Administrative Contact
Tracey Kelly (Ms.)
Links
Contact the organisation Website
Other funding
No data

HEINRICH-HEINE-UNIVERSITAET DUESSELDORF
Germany
EU contribution
€ 931,610,60
Address
Universitaetsstrasse 1
40225 Dusseldorf
Region
Nordrhein-Westfalen > Düsseldorf > Düsseldorf, Kreisfreie Stadt
Activity type
Higher or Secondary Education Establishments
Administrative Contact
Christian Ohmann (Prof.)
FORSCHUNGSVERBUND BERLIN EV

Germany

EU contribution

€ 2 250,00

Address

Rudower chaussee 17
12489 Berlin

Region

Berlin > Berlin > Berlin

Activity type

Research Organisations

Administrative Contact

Anne Höner (Dr.)

Links

Contact the organisation  Website

Other funding

No data

KLINIKUM RECHTS DER ISAR DER TECHNISCHEN UNIVERSITAT MUNCHEN

Germany

EU contribution

€ 821 104,80

Address

Ismaninger strasse 22
81675 Muenchen

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Renate Rädlein (Ms.)

Links
Contact the organisation Website

Other funding
No data

STAZIONE ZOOLOGICA ANTON DOHRN

Italy
EU contribution
€ 11 328,00

Address
Villa comunale
80121 Napoli

Region
Sud > Campania > Napoli

Activity type
Research Organisations

Administrative Contact
Giosuè Zurzolo (Dr.)

Links
Contact the organisation Website

Other funding
No data

ERASMUS UNIVERSITAIR MEDISCH CENTRUM ROTTERDAM

Netherlands
EU contribution
€ 177 210,00

Address
Dr molewaterplein 40
3015 GD Rotterdam
West-Nederland > Zuid-Holland > Groot-Rijnmond

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Linda A Everse (Dr.)

Links
Contact the organisation  Website

Other funding
No data

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TMF - TECHNOLOGIE UND METHODENPLATTFORM FUR DIE VERNETZTE MEDIZINISCHE FORSCHUNG EV

Germany

EU contribution
€ 425 100,00

Address
Charlottenstrasse 42 ecke dorotheenstrasse
10117 Berlin

Region
Berlin > Berlin > Berlin

Activity type
Research Organisations

Administrative Contact
Annette Pollex-Krueger (Dr.)

Links
Contact the organisation  Website

Other funding
No data

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HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT GMBH

Germany
EU contribution
€ 984 005,00

Address
Ingolstadter landstrasse 1
85764 Neuherberg

Region
Bayern > Oberbayern > München, Landkreis

Activity type
Research Organisations

Administrative Contact
Jürgen Ertel (Dr.)

Links
Contact the organisation  Website

Other funding
No data

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MEDIZINISCHE UNIVERSITAT GRAZ

Austria

EU contribution
€ 141 360,00

Address
Neue stiftntalstrasse 6
8010 Graz

Region
Südösterreich > Steiermark > Graz

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Kurt Zatloukal (Prof.)

Links
Contact the organisation  Website

Other funding
No data
VERENIGING VOOR CHRISTELIJK HOGER ONDERWIJS WETENSCHAPPELIJK ONDERZOEK EN PATIENTENZORG

Netherlands

EU contribution

€ 0,00

Address

De boelelaan 1105
1081 HV Amsterdam

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type

Higher or Secondary Education Establishments

Administrative Contact

Gerrit A. Meijer (Prof.)

Links

Contact the organisation Website

Other funding

No data

INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE

France

EU contribution

€ 43 696,00

Address

Rue de tolbiac 101
75654 Paris

Region

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

Activity type

Research Organisations

Administrative Contact

Hélène Brun (Ms.)

Links
KOBENHAVNS UNIVERSITET

Address
Norregade 10
1165 Kobenhavn

Region
Danmark > Hovedstaden > Byen København

Activity type
Higher or Secondary Education Establishments

Administrative Contact
Ivan Kristoffersen (Mr.)

HELSINGIN YLIOPISTO

Address
Yliopistonkatu 3
00014 Helsingin yliopisto

Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type
Higher or Secondary Education Establishments
Administrative Contact
Mika Frederiksen (Mr.)

Links
Contact the organisation  
Website

Other funding
No data

---

**STICHTING EGI**
Netherlands
EU contribution
€ 5 040,00

Address
Science park 140
1098 XG Amsterdam

Region
West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type
Other

Administrative Contact
Steven Newhouse (Dr.)

Links
Contact the organisation  
Website

Other funding
No data

---

**CSC-TIETEEN TIETOTEKNIKAN KESKUS OY**
Finland
EU contribution
€ 4 808,00

Address
Keilaranta 14
02101 Espoo

Region
ACADEMISCH ZIEKENHUIS GRONINGEN
Netherlands
EU contribution
€ 233 650,80
Address
Hanzeplein 1
9713 GZ Groningen
Region
Noord-Nederland > Groningen > Overig Groningen
Activity type
Higher or Secondary Education Establishments
Administrative Contact
Johanna Van Apeldoorn (Ms.)
Links
Contact the organisation Website
Other funding
No data

CONSORZIO INTERUNIVERSITARIO RISONANZE MAGNETICHE DI METALLO PROTEINE
Italy
EU contribution
€ 253 581,00
Address
Piazza di san marco 4
50121 Firenze
Region
Centro (IT) > Toscana > Firenze
Activity type
Higher or Secondary Education Establishments
Administrative Contact
Ivano Bertini (Prof.)
Links
Contact the organisation  Website
Other funding
No data

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GEANT LIMITED
United Kingdom
EU contribution
€ 9 556,50
Address
126-130 hills road city house
CB2 1PQ Cambridge
Region
East of England > East Anglia > Cambridgeshire CC
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Administrative Contact
Matthew Scott (Mr.)
Links
Contact the organisation
Other funding
No data

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STICHTING VU
Netherlands
EU contribution
€ 488 110,37
Address
De boelelaan 1105
1081 HV Amsterdam
Region
West-Nederland > Noord-Holland > Groot-Amsterdam
Activity type
Higher or Secondary Education Establishments
Administrative Contact
Jeroen Belien (Dr.)
Links
Contact the organisation Website
Other funding
No data

BIOBANKS AND BIOMOLECULAR RESOURCES RESEARCH INFRASTRUCTURE CONSORTIUM (BBMRI-ERIC)
Austria
EU contribution
€ 8 400,00
Address
Neue stiftingtalstrasse 2/b/6
8010 Graz
Region
Südösterreich > Steiermark > Graz
Activity type
Research Organisations
Administrative Contact
Markus Pasterk (Mr.)
Links
Contact the organisation Website
Other funding
No data
INFRAFRONTIER GMBH

Germany
EU contribution
€ 4 800,00

Address
Ingolstadter landstrasse 1
85764 Neuherberg

Region
Bayern > Oberbayern > München, Landkreis

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

Administrative Contact
Michael Raess (Dr.)

Links
Contact the organisation Website

Other funding
No data

STICHTING HET NEDERLANDS KANKER INSTITUUT-ANTONI VAN LEEUWENHOEK ZIEKENHUIS

Netherlands
EU contribution
€ 294 355,71

Address
Plesmanlaan 121
1066 CX Amsterdam

Region
West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type
Research Organisations

Administrative Contact
Henri G.A.M. Van Luenen (Dr.)

Links

Other funding
No data

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