A Europe-wide Interoperable Virtual Research Environment to Empower Multidisciplinary Research Communities and Accelerate Innovation and Collaboration

Fact Sheet

Project Information

**VRE4EIC**

Grant agreement ID: 676247

**DOI**

10.3030/676247

Closed project

**EC signature date**

28 July 2015

**Start date**

1 October 2015

**End date**

30 September 2018

**Funded under**

EXCELLENT SCIENCE - Research Infrastructures

**Total cost**

€ 4 370 000,25

**EU contribution**

€ 4 370 000,00

**Coordinated by**

GEIE ERCIM

France

Objective

The VRE4EIC project addresses key data and software challenges in supporting...
multidisciplinary data driven sciences. These include:
1) understanding complex user requirements across domains by closely involving committed user communities;
2) improving the quality of VRE user experience by providing user centred, secure, privacy compliant, sustainable environments for accessing data, composing workflows and tracking data publications;
3) increasing VRE usage in multidisciplinary research domains by abstracting and reusing building blocks and workflows from existing VRE initiatives;
4) improving the interoperability of heterogeneous discovery, contextual and detailed metadata across all layers of the VRE; and
5) promoting the exploitation of VRE4EIC solutions to different research communities and commercially.

The project contributes to the Work Programme through innovations in the following areas:
- support of excellent research through improved VREs and interoperation of heterogeneous VREs leading to new multidisciplinary science;
- increased user acceptance through support for trust, security and privacy throughout the VRE architecture;
- a novel VRE architecture, prototypes and enhanced metadata that can be used for future multidisciplinary VREs;
- a semantic web, linked open data view of VRE information allowing cross-linking to open government data enabling heterogeneous discovery;
- interoperable standard software services retro-fitted to enhance existing VREs;
- solutions for societal challenges demonstrated in the environmental and earth science domains (environmental pollution, climate change, earthquakes), building on 25 real use cases;
- increased VRE adoption to other domains and research communities through a training programme and learning environment to empower researchers to utilise the full potential of VRE4EIC and to enhance collaboration.

VRE4EIC covers all EU member states and EFTA countries, and will affect 70,000 researchers all over Europe.

**Fields of science**

- natural sciences
- computer and information sciences
- internet
- web development
- natural sciences
- earth and related environmental sciences
- geology
- seismology
- natural sciences
- computer and information sciences
- software
- software applications
- virtual reality
- natural sciences
- earth and related environmental sciences
- atmospheric sciences
- climatology
Virtual Research Environments  VRE  Multidisciplinary  Interoperability
Innovation  Collaboration  Research Community Empowerment  services
Architecture  Prototypes  Metadata  Use cases

Programme(s)

H2020-EU.1.4. - EXCELLENT SCIENCE - Research Infrastructures
H2020-EU.1.4.1.3. - Development, deployment and operation of ICT-based e-infrastructures

Topic(s)

EINFRA-9-2015 - e-Infrastructures for virtual research environments (VRE)

Call for proposal

H2020-EINFRA-2014-2015

See other projects for this call

Sub call

H2020-EINFRA-2015-1

Funding Scheme

RIA - Research and Innovation action

Coordinator
GEIE ERCIM
Net EU contribution
€ 879 014,00

Address
ROUTE DES LUCIOLES 2004 SOPHIA ANTIPOLIS
06410 Biot
France

SME
Yes

Region
Provence-Alpes-Côte d’Azur > Provence-Alpes-Côte d’Azur > Alpes-Maritimes

Activity type
Other

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

Total cost
€ 879 014,00

Participants (11)

STICHTING NEDERLANDSE WETENSCHAPPELIJKONDERZOEK INSTITUTEN
Netherlands
Net EU contribution
€ 761 281,00

Address
WINTHONTLAAN 2
3526 KV Utrecht

Region
West-Nederland > Utrecht

Activity type
Research Organisations

Links
CONSIGLIO NAZIONALE DELLE RICERCHE

Italy

Net EU contribution
€ 564 637,90

Address
PIAZZALE ALDO MORO 7
00185 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
€ 564 637,90

IDRYMA TECHNOLOGIAS KAI EREVNAS

Greece

Net EU contribution
€ 424 705,85

Address
N PLASTIRA STR 100
70013 Irakleio

Region
Νησιά Αιγαίου > Κρήτη > Ηράκλειο

Activity type
Research Organisations

Links

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

Total cost

€ 424 705,85

TECHNISCHE UNIVERSITEIT DELFT

Netherlands

Net EU contribution

€ 548 355,00

Address

STEVINWEG 1
2628 CN Delft

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

Higher or Secondary Education Establishments

Links

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

Total cost

€ 548 355,00

VERENIGING EUROCRIS

Netherlands

Net EU contribution

€ 0,62

Address

HEYENDAALSEWEG 141
6525 AJ Nijmegen

Region
Oost-Nederland > Gelderland > Arnhem/Nijmegen

Activity type
Other

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

Total cost
€ 362 656,25

THIRD-PARTY

IS4RI SARL
France
Net EU contribution
€ 192 561,88
Address
31 rue de Saverne
67700 Haegen
SME
Yes
Region
Grand Est > Alsace > Bas-Rhin
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

Total cost
€ 192 561,88

THIRD-PARTY

ETHNIKO IDRYMA EREVNON
Greece
Net EU contribution
€ 64 468,75
Address
VAS KONSTANTINOU 48
11635 Athina

Region
Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type
Research Organisations

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

Total cost
€ 64 468,75

THIRD-PARTY
UNIVERSITY OF GLASGOW

United Kingdom

Net EU contribution
€ 33 437,50

Address
UNIVERSITY AVENUE
G12 8QQ Glasgow

Region
Scotland > West Central Scotland > Glasgow City

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 33 437,50

THIRD-PARTY
IDEALAB - Laboratory of ideas

Serbia

8 of 10
Net EU contribution
€ 72 187,50

Address
Petra Drapsina 17/4
21000 Novi Sad

Region
Србија - север > Регион Војводине > Јужнобачка област

Activity type
Other

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

Total cost
€ 72 187,50

ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

Net EU contribution
€ 372 255,00

Address
Via di Vigna Murata 605
00143 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
€ 372 255,00
UNIVERSITEIT VAN AMSTERDAM

Netherlands

Net EU contribution
€ 457 095,00

Address
SPUI 21
1012WX 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

Total cost
€ 457 095,00

Last update: 5 September 2023

Permalink: https://cordis.europa.eu/project/id/676247

European Union, 2024