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

Funded under
EXCELLENT SCIENCE - Research Infrastructures

Total cost
€ 4 370 000,25

EU contribution
€ 4 370 000

DOI
10.3030/676247

Closed project

Start date
1 October 2015
End date
30 September 2018

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 > software
natural sciences > computer and information sciences > internet > web development
natural sciences > earth and related environmental sciences > geology > seismology
natural sciences > earth and related environmental sciences > atmospheric sciences > climatology > climatic changes
natural sciences > computer and information sciences > internet > semantic web

**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

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

Other funding

€ 0,00
Participants (11)

STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN
Netherlands
Net EU contribution
€ 761 281,00
Address
Winthontlaan 2
3526 KV Utrecht
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
€ 0,25

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
**IDRYMA TECHNOLOGIAS KAI EREVNAS**

**Net EU contribution**

€ 424,705,85

**Address**

N Plastira Str 100

70013 Irakleio

**Region**

Ηράκλειο > Κρήτη > Νησιά Αιγαίου

**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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**TECHNISCHE UNIVERSITEIT DELFT**

**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 ☝️
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
Other funding
€ 0,00

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)
ETHNIKO IDRYMA EREVNON
Greece
Net EU contribution
€ 64,468.75
Address
Vas Konstantinou 48
11635 Athina
Region
Κεντρικός Τομέας Αθηνών > Αττική > Αττική
Activity type
Research Organisations
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0.00

UNIVERSITY OF GLASGOW
United Kingdom
Net EU contribution
€ 33,437.50
Address
University Avenue
G12 8QQ Glasgow
Region
West Central Scotland > Glasgow City
Activity type
Higher or Secondary Education Establishments
THIRD-PARTY

IDEALAB - Laboratory of ideas
Serbia
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
Other funding
€ 0,00

ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA
Italy
Net EU contribution
€ 372 255,00
Address
Via Di Vigna Murata 605
00143 Roma
Region
Centro (IT) > Lazio > Roma
Activity type
Research Organisations