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.
• 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.

**Champ scientifique**

/sciences naturelles/sciences de la Terre et sciences connexes de l’environnement

/sciences naturelles/informatique et science de l’information/logiciel

/social sciences/sociology/governance/public services

**Programme(s)**

H2020-EU.1.4.1.3. - Development, deployment and operation of ICT-based e-infrastructures

**Thème(s)**

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

**Appel à propositions**

H2020-EINFRA-2015-1

[Voir d'autres projets de cet appel](#)

**Régime de financement**

RIA - Research and Innovation action

**Coordinateur**
Participants (8)

STICHTING CENTRUM VOOR WISKUNDE EN INFORMATICA

Address: Science Park 123
1098xg Amsterdam
Type of Activity: Research Organisations
Contribution from the EU: € 761,281

STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN

Address: Winthontlaan 2
3526 Kv Utrecht
Type of Activity: Research Organisations
Contribution from the EU: € 761,281

CONSIGLIO NAZIONALE DELLE RICERCHE

Address: Piazzale Aldo Moro 7
00185 Roma
Type of Activity: Research Organisations
Contribution from the EU: € 564,637,90
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>Contribution de l'UE</th>
<th>Adresse</th>
<th>Type d’activité</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDRYMA TECHNOLOGIAS KAI EREVNAS</td>
<td>Grèce</td>
<td>€ 424 705,85</td>
<td>N Plastira Str 100 70013 Irakleio</td>
<td>Research Organisations</td>
</tr>
<tr>
<td>TECHNISCHE UNIVERSITEIT DELFT</td>
<td>Pays-Bas</td>
<td>€ 548 355</td>
<td>Stevinweg 1 2628 Cn Delft</td>
<td>Higher or Secondary Education Establishments</td>
</tr>
<tr>
<td>VERENIGING EUROCRIS</td>
<td>Pays-Bas</td>
<td>€ 362 656,25</td>
<td>Heyendaalseweg 141 6525 Aj Nijmegen</td>
<td>Other</td>
</tr>
<tr>
<td>ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA</td>
<td>Italie</td>
<td>€ 372 255</td>
<td>Via Di Vigna Murata 605 00143 Roma</td>
<td>Research Organisations</td>
</tr>
</tbody>
</table>
Universiteit van Amsterdam
Pays-Bas

Contribution de l'UE
€ 457 095

Adresse
Spui 21
1012wx Amsterdam

Type d’activité
Higher or Secondary Education Establishments

Site web
Contacter l'organisation

Partager cette page

Dernière mise à jour: 2 Août 2019
Numéro d’enregistrement: 198324