EU-CIRCLE
Project ID: 653824
Funded under:
H2020-EU.3.5. - SOCIETAL CHALLENGES - Climate action, Environment, Resource Efficiency and Raw Materials
H2020-EU.3.7. - Secure societies - Protecting freedom and security of Europe and its citizens

A panEuropean framework for strengthening Critical Infrastructure resilience to climate change

From 2015-06-01 to 2018-09-30, closed project | EU-CIRCLE Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 7 283 525</td>
<td>DRS-09-2014 - Disaster Resilience &amp; Climate Change topic 1: Science and innovation for adaptation to climate change: from assessing costs, risks and opportunities to demonstration of options and practices</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU contribution:</th>
<th>Funding scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 7 283 525</td>
<td>RIA - Research and Innovation action</td>
</tr>
</tbody>
</table>

| Coordinated in: | |
|-----------------| |
| Greece | |

Objective

It is presently acknowledged and scientifically proven than climate related hazards have the potential to substantially affect the lifespan and effectiveness or even destroy of European Critical Infrastructures (CI), particularly the energy, transportation sectors, buildings, marine and water management infrastructure with devastating impacts in EU appraising the social and economic losses. The main strategic objective of EU-CIRCLE is to move towards infrastructure network(s) that is resilient to today’s natural hazards and prepared for the future changing climate. Furthermore, modern infrastructures are inherently interconnected and interdependent systems; thus extreme events are liable to lead to ‘cascade failures’.

EU-CIRCLE’s scope is to derive an innovative framework for supporting the interconnected European Infrastructure’s resilience to climate pressures, supported by an end-to-end modelling environment where new analyses can be added anywhere along the analysis workflow and multiple scientific disciplines can work together to understand interdependencies, validate results, and present findings in a unified manner providing an efficient “Best of Breeds“ solution of integrating into a holistic resilience model existing modelling tools and data in a standardised fashion.

It, will be open & accessible to all interested parties in the infrastructure resilience business and having a confirmed interest in creating customized and innovative solutions. It will be complemented with a webbased portal. The design principles, offering transparency and greater flexibility, will allow potential users to introduce fully tailored solutions and infrastructure data, by defining and implementing customised impact assessment models, and use climate / weather data on demand.

Related information

Report Summaries

Periodic Reporting for period 2 - EU-CIRCLE (A panEuropean framework for strengthening Critical Infrastructure resilience to climate change)
Coordinator

"NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS""
END OF PATRIARCHOU GRIGORIOU E AND 27 NEAPOLEOS STREET
15341 AGIA PARASKEVI
Greece
EU contribution: EUR 735 818
See on map

Activity type: Research Organisations
Contact the organisation

Participants

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
HANSASTRASSE 27C
80686 MUNCHEN
Germany
EU contribution: EUR 744 466,88
See on map

Activity type: Research Organisations
Contact the organisation

METEOROLOGISK INSTITUTT
HENRIK MOHNS PLASS 1
0313 OSLO
Norway
EU contribution: EUR 95 625
See on map

Activity type: Research Organisations
Contact the organisation

THE UNIVERSITY OF EXETER
THE QUEEN'S DRIVE NORTHCOTE HOUSE
EX4 4QJ EXETER
United Kingdom
EU contribution: EUR 717 250
See on map

Activity type: Higher or Secondary Education Establishments
Contact the organisation

AKADEMIA MORSKA W GDYNII
ULICA MORSKA 81-87
81-225 GDYNIA
Poland
EU contribution: EUR 259 402,50
Participation ended
See on map

Activity type: Higher or Secondary Education Establishments
Contact the organisation
ARTELIA EAU ET ENVIRONNEMENT SAS  
RUE DE LORRAINE 6  
38130 ECHIROLLES  
France  
EU contribution: EUR 304 094  
See on map  
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation  

SATWAYS - PROIONTA KAI YPIRESIES TILEMATIKIS DIKTYAKON KAI TILEPIKINONIKAON  
CHRISTOU LADA STREET 3  
15233 HALANDRI  
Greece  
EU contribution: EUR 747  
281,25  
See on map  
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation  

ENTENTE POUR LA FORÊT MÉDITERRANÉENNE  
Centre Francis Arrighi, Domaine de Valabre  
13120 Gardanne  
France  
EU contribution: EUR 310 875  
See on map  
Activity type: Research Organisations  
Contact the organisation  

RINA CONSULTING SPA  
VIA SAN NAZARO 19  
16145 GENOVA  
Italy  
EU contribution: EUR 389  
381,75  
See on map  
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)  
Contact the organisation  

DRZAVNI HIDROMETEOROLOSKI ZAVOD  
GRIC 3  
10000 ZAGREB  
Croatia  
EU contribution: EUR 170  
812,50  
See on map  
Activity type: Research Organisations  
Contact the organisation
XUVASI LTD
2 ALEXANDRA GATE FFORDD PENGAM
CF24 2SA CARDIFF
United Kingdom
See on map

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

Contact the organisation

MRK MANAGEMENT CONSULTANTS GMBH
HERZOG RUDOLF STR 1
80539 MUNCHEN
Germany
See on map

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

Contact the organisation

EUROPEAN UNIVERSITY CYPRUS
DIOGENES STREET 6 ENGOMI
1516 NICOSIA
Cyprus
See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

KENTRO MELETON ASFALEIAS
P KANELLOPOULOU 4 ST
10177 ATHINA
Greece
See on map

**Activity type:** Research Organisations

Contact the organisation

THE UNIVERSITY OF SALFORD
THE CRESCENT 43
M5 4WT SALFORD
United Kingdom
See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

EU contribution: EUR 427 250
EU contribution: EUR 209 875
EU contribution: EUR 388 839
EU contribution: EUR 416 125
EU contribution: EUR 249 881.36
Drzavna uprava za zastitu i spasavanje
Nehajska 5
10000 Zagreb
Croatia
See on map
**Activity type:** Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

**Contact the organisation**

ADITESS ADVANCED INTEGRATED TECHNOLOGY SOLUTIONS & SERVICES LTD
VYZANTIOU 40 3RD FLOOR FLAT OFFICE 303/304
2064 LEFKOSIA
Cyprus
See on map

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

**Contact the organisation**

THE COUNCIL OF THE BOROUGH OF TORBAY
TORBAY COUNCIL TOWN HALL CASTLE CIRCUS
TQ1 3DR TORQUAY
United Kingdom
See on map

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

**Contact the organisation**

MINISTRY OF NATIONAL DEFENCE, GREECE
MESOGION 227-231
15500 HOLARGOS, ATHENS
Greece
See on map

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

**Contact the organisation**

VELEUCILISTE VELIKA GORICA
ZAGREBACKA 5
10410 VELIKA GORICA
Croatia
See on map

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

**Contact the organisation**
UNIVERSITY OF HUDDERSFIELD
QUEENSGATE
HD1 3DH HUDDERSFIELD
United Kingdom

Activity type: Higher or Secondary Education Establishments
Contact the organisation

Last updated on 2017-08-04
Retrieved on 2019-11-21

© European Union, 2019