Improving ClimAte Resilience of critical Assets

Fact Sheet

Project Information

ICARIA
Grant agreement ID: 101093806

Funded under
Climate, Energy and Mobility

DOI
10.3030/101093806

Start date
1 January 2023

End date
31 December 2025

Total cost
€ 2,294,146,25

EU contribution
€ 2,294,146,00

Coordinated by
CETAQUA, CENTRO TECNOLOGICO DEL AGUA, FUNDACION PRIVADA
Spain

Project description

Improving critical assets' and infrastructures’ resilience to natural disasters

The frequency and severity of climate-related disasters have been increasing over the past 20 years. According to climate change projections, this will worsen in the coming decades. The EU-funded ICARIA project will use asset-level modelling to understand climate-related direct and indirect impacts provoked by complex, compound and cascading disasters and the risk reduction that suitable, sustainable and cost-effective adaptation solutions provide. The project focuses on critical assets and infrastructures not designed to consider potential changes to climate, as well as
on housing and natural land areas. ICARIA will implement and replicate innovative methods and multi-risk assessment approaches in the Barcelona Metropolitan Area, the South Aegean archipelago and the Salzburg region in Austria. The project will assist risk owners in assessing adaptation solutions' costs and benefits.

**Fields of science**

natural sciences &gt; earth and related environmental sciences &gt; environmental sciences &gt; sustainability sciences

natural sciences &gt; earth and related environmental sciences &gt; atmospheric sciences &gt; climatology &gt; climatic changes

**Keywords**

Assets level modelling  
coupled models  
compound events  
decision support system  
uncertainties  
citizens' science

multi-hazard & multi-risk assessment

**Programme(s)**

HORIZON.2.5 - Climate, Energy and Mobility

HORIZON.2.2 - Culture, creativity and inclusive society

HORIZON.2.4 - Digital, Industry and Space

HORIZON.2.3 - Civil Security for Society

HORIZON.2.6 - Food, Bioeconomy Natural Resources, Agriculture and Environment

**Topic(s)**

HORIZON-MISS-2021-CLIMA-02-03 - Towards asset level modelling of climate risks and adaptation

**Call for proposal**

HORIZON-MISS-2021-CLIMA-02
See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator

CETAQUA, CENTRO TECNOLOGICO DEL AGUA, FUNDACION PRIVADA

Net EU contribution
€ 204 125,00

Address
Carretera d'esplugues 75 local 1-2
08940 Cornella de llobregat barcelona
Spain

Region
Este > Cataluña > Barcelona

Activity type
Research Organisations

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

Other funding
€ 0,00

Participants (13)

AIGUES DE BARCELONA, EMPRESA METROPOLITANA DE GESTIO DEL CICLE INTEGRAL DE L'AIGUA SA

Net EU contribution
€ 50 625,00

Address
Cl general batet 1-7
08028 Barcelona
Region
Este > Cataluña > Barcelona
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
Other funding
€ 0,00

AQUATEC PROYECTOS PARA EL SECTOR DEL AGUA SA
Spain
Net EU contribution
€ 358 137,50
Address
Calle santa leonor 39
28037 Madrid
Region
Comunidad de Madrid > Comunidad de Madrid > Madrid
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
Other funding
€ 0,00

FUNDACION PARA LA INVESTIGACION DEL CLIMA
Spain
Net EU contribution
€ 121 375,00

Address
Tremps 11
28040 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Research Organisations

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

Other funding
€ 0,00

FUNDACIO INSTITUT DE RECERCA DE L’ENERGIA DE CATALUNYA

Spain

Net EU contribution
€ 135 656,00

Address
C/ jardins de les dones de negre 1
08930 Sant adria de besos

Region
Cataluña > Barcelona

Activity type
Research Organisations

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

Other funding
€ 0,25

"NATIONAL CENTER FOR SCIENTIFIC RESEARCH ""DEMOKRITOS"""
Greece

Net EU contribution
€ 189,375,00

Address
End of patriarchou grigoriou e and 27 neapoleos street
15341 Agia paraskevi

Region
Αττική > Αττική > Βόρειος Τομέας Αθηνών

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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LABORATORIO NACIONAL DE ENGENHARIA CIVIL

Portugal

Net EU contribution
€ 194,477,50

Address
Av do brasil 101
1700-066 Lisboa

Region
Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type
Research Organisations

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

Other funding
€ 0,00
DRAXIS ENVIRONMENTAL SA

Greece

Net EU contribution

€ 130 000,00

Address

Themistokli sofouli str 54-56
54655 Thessaloniki

SME

Yes

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

Activity type

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

Links

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

Other funding

€ 0,00

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ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS

Greece

Net EU contribution

€ 121 875,00

Address

Charilaou thermi road 6 km
57001 Thermi thessaloniki

Region

Βόρεια Ελλάδα > Κεντρική Μακεδονία > Θεσσαλονίκη

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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**UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II**

Italy

Net EU contribution

€ 185 312,50

Address

Corso umberto i, 40
80138 Napoli

Region

Sud > Campania > Napoli

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00

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**AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH**

Austria

Net EU contribution

€ 315 875,00

Address

Giefinggasse 4
1210 Wien

Region

Ostösterreich > Wien > Wien

Activity type

Research Organisations
AREA METROPOLITANA DE BARCELONA

Spain

Net EU contribution

€ 106 312,50

Address

Carrer 62 num 16-18
08040 Barcelona

Region

Este > Cataluña > Barcelona

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

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

Other funding

€ 0,00

PERIFEREIA NOTIOU AIGAIouro

Greece

Net EU contribution

€ 104 375,00

Address

Eleftherias square 1
851 31 Rodos

Region
VERBUND ENERGY4BUSINESS GMBH
Austria
Net EU contribution
€ 76,625,00
Address
Am hof 6a
1010 Wien
Region
Ostösterreich > Wien > Wien
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
Other funding
€ 0,00

THE UNIVERSITY OF EXETER
United Kingdom
Net EU contribution

€ 0,00

Address

The queen's drive northcote house
EX4 4QJ Exeter

Region

South West (England) > Devon > Devon CC

Activity type

Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00

EC signature date 25 October 2022
Last update: 5 April 2023

Permalink: https://cordis.europa.eu/project/id/101093806

European Union, 2023