Green responsible privacy preserving data operations

Fact Sheet

Project Information

GLACIATION

Grant agreement ID: 101070141

DOI

10.3030/101070141

EC signature date

14 June 2022

Funded under

Digital, Industry and Space

Total cost

€ 8 256 913,75

EU contribution

€ 8 256 913,75

Coordinated by

MINISTERO DELL'ECONOMIA E DELLE FINANZE

Italy

Start date

1 October 2022

End date

30 September 2025

Project description

Reducing energy consumption in data operations

Big data analytics collects, examines and analyses large amounts of data. To extract insights from this data, it must flow seamlessly between edges and clouds across a broad range of work locations and environments. This process consumes a lot of energy. As a result, national grids generate considerable carbon emissions. The EU-funded GLACIATION project aims to develop a novel distributed knowledge graph that stretches across the edge-core-cloud architecture. Knowledge graphs are a flexible means to represent interlinked information about almost anything. GLACIATION will optimise the location where analytics are performed to significantly
reduce power consumption. Its metadata framework will deliver tools that ensure privacy and trust in data operations.

Fields of science

natural sciences  >  computer and information sciences  >  data science  >  big data
natural sciences  >  computer and information sciences  >  knowledge engineering
natural sciences  >  earth and related environmental sciences  >  physical geography  >  glaciology
natural sciences  >  computer and information sciences  >  data science  >  data processing

Keywords

energy efficiency  data operations  public administration  industry
manufacturing  data management  privacy  edge  cloud
Artificial Intelligence  Distributed Knowledge Graph

Programme(s)

HORIZON.2.4 - Digital, Industry and Space MAIN PROGRAMME
HORIZON.2.4.7 - Advanced Computing and Big Data

Topic(s)

HORIZON-CL4-2021-DATA-01-01 - Technologies and solutions for compliance, privacy preservation, green and responsible data operations (AI, Data and Robotics Partnership) (RIA)

Call for proposal

HORIZON-CL4-2021-DATA-01

See other projects for this call

Funding Scheme
Coordinator

MINISTERO DELL’ECONOMIA E DELLE FINANZE

Net EU contribution
€ 576 875,00

Address
VIA XX SETTEMBRE 97
00187 Roma
Italy

Region
Centro (IT) > Lazio > Roma

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

Total cost
€ 576 875,00

Participants (13)

EMC INFORMATION SYSTEMS INTERNATIONAL UNLIMITED COMPANY
Ireland

Net EU contribution
€ 1 145 750,00

Address
IDA INDUSTRIAL SITE
P31 Ovens

Region
Ireland > Southern > South-West
HIRO MICRODATACENTERS B.V.

Netherlands

Net EU contribution

€ 1 002 000,00

Address

PRINCES MARIJKEKADE 11
2273 AB Voorburg

SME

Yes

Region

West-Nederland > Zuid-Holland > Agglomeratie 's-Gravenhage

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

€ 1 145 750,00

GOTTFRIED WILHELM LEIBNIZ UNIVERSITAT HANNOVER

Germany

Net EU contribution

€ 350 750,00

Address
THE LISBON COUNCIL FOR ECONOMIC COMPETITIVENESS ASBL

Net EU contribution

€ 300 625,00

Address

RUE DE LA LOI 155 RESIDENCE PALACE IPC
1040 Bruxelles / Brussel

Activity type

Other
UNIVERSITA' DEGLI STUDI DI BERGAMO

Italy

Net EU contribution
€ 616 250,00

Address
VIA SALVECCCHIO 19
24129 Bergamo

Region
Nord-Ovest > Lombardia > Bergamo

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 616 250,00
<table>
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<th>Organisation</th>
<th>Country</th>
<th>Net EU contribution</th>
<th>Address</th>
<th>Region</th>
<th>Activity type</th>
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<td>GEIE ERCIM</td>
<td>France</td>
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<td>Provence-Alpes-Côte d'Azur › Provence-Alpes-Côte d'Azur › Alpes-Maritimes</td>
<td>Other</td>
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<td>France</td>
<td>€ 469 513,75</td>
<td>ROUTE DES CHAPPES 450 CAMPUS SOPHIA ANTIPOLIS</td>
<td>Provence-Alpes-Côte d'Azur › Provence-Alpes-Côte d'Azur › Alpes-Maritimes</td>
<td>Higher or Secondary Education Establishments</td>
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Links:
- Contact the organisation
- Website
- Participation in EU R&I programmes
- HORIZON collaboration network
SAP SE
Germany
Net EU contribution
€ 700 000,00
Address
DIETMAR HOPP ALLEE 16
69190 Walldorf
Region
Baden-Württemberg > Karlsruhe > Rhein-Neckar-Kreis
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
Total cost
€ 700 000,00

UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND, CORK
Ireland
Net EU contribution
€ 333 900,00
Address
WESTERN ROAD
T12 YN60 Cork
Region
Ireland > Southern > South-East
Activity type
Higher or Secondary Education Establishments
SOGEI-SOCIETA GENERALE D'INFORMATICA SPA
Italy
Net EU contribution
€ 417 500,00
Address
VIA MARIO CARUCCI 99
00143 Roma
Region
Centro (IT) > Lazio > Roma
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Total cost
€ 417 500,00

LAKESIDE LABS GMBH
Austria
Net EU contribution
€ 513 750,00
Address
LAKESIDE PARK B04B 1 STOCK
9020 Klagenfurt Am Worthersee
Region
Südösterreich > Kärnten > Klagenfurt-Villach
**Partners (1)**

**ENGINEERING - INGEGNERIA INFORMATICA SPA**
- **Italy**
- **Net EU contribution**: €587 500.00
- **Address**: PIAZZALE DELL'AGRICOLTURA 24, 00144 ROMA
- **Region**: Centro (IT) > Lazio > Roma
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **Total cost**: €587 500.00

**EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH**
- **Switzerland**
- **Net EU contribution**: €0.00

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**Activity type**
- Research Organisations

**Links**
- Contact the organisation 🏛️
- Participation in EU R&I programmes 🏛️
- HORIZON collaboration network 🕵️

**Total cost**
- €513 750.00

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**Partners (1)**
Address
Raemistrasse 101
8092 Zuerich

Region
Schweiz/Suisse/Svizzera > Zűrich > Zűrich

Activity type
Higher or Secondary Education Establishments

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

Total cost
No data

Last update: 5 April 2023

Permalink: https://cordis.europa.eu/project/id/101070141

European Union, 2024