Green responsible privacy preserving data operations

Fact Sheet

Project Information

GLACIATION

Grant agreement ID: 101070141

Funded under
Digital, Industry and Space

DOI
10.3030/101070141

EC signature date
14 June 2022

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
€ 1 002 000,00

GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER
Germany
Net EU contribution
€ 350 750,00
Address
WELFENGARTEN 1
30167 Hannover

Region
Niedersachsen > Hannover > Region Hannover

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 350 750,00

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THE LISBON COUNCIL FOR ECONOMIC COMPETITIVENESS ASBL
Belgium

Net EU contribution
€ 300 625,00

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

Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type
Other

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

Total cost
€ 300 625,00

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UNIVERSITA DEGLI STUDI DI MILANO
ITALY

Net EU contribution
€ 672 500,00

Address
Via Festa Del Perdono 7
20122 Milano

Region
Nord-Ovest > Lombardia > Milano

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 672 500,00

UNIVERSITA' DEGLI STUDI DI BERGAMO

Net EU contribution
€ 616 250,00

Address
VIA SALVECCHIO 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
GEIE ERCIM

France
Net EU contribution
€ 570 000,00

Address
ROUTE DES LUCIOLES 2004 SOPHIA ANTIPOLIS
06410 Biot

SME
Yes

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

Total cost
€ 570 000,00

EURECOM GIE

France
Net EU contribution
€ 469 513,75

Address
ROUTE DES CHAPPEES 450 CAMPUS SOPHIA ANTIPOLIS
06410 Biot

Region
Provence-Alpes-Côte d'Azur > Provence-Alpes-Côte d'Azur > Alpes-Maritimes

Activity type
Higher or Secondary Education Establishments

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

Total cost
€ 469 513.75

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

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)

Links

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

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)
Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network
Total cost
€ 587 500,00

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH
Switzerland
Net EU contribution
€ 0,00
Address
Raemistrasse 101
8092 Zuerich

Region
Schweiz/Suisse/Svizzera > Zürich > Zürich

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

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European Union, 2024