Green responsible privacy preserving data operations

Fact Sheet

Project Information

**GLACIATION**
Grant agreement ID: 101070141

**DOI**
[10.3030/101070141](10.3030/101070141)

**EC signature date**
14 June 2022

**Start date**
1 October 2022

**End date**
30 September 2025

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

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
- 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 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

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

UNIVERSITA DEGLI STUDI DI MILANO
UNIVERSITÀ DEGLI STUDI DI BERGAMO

Italy

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

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

Total cost
€ 570 000,00

EURECOM GIE

Net EU contribution
€ 469 513,75

Address
ROUTE DES CHAPPES 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
**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)

LAKESIDE LABS GMBH

Austria

Net EU contribution

€ 513 750,00

Address

LAKESIDE PARK B04B 1 STOCK
9020 Klagenfurt Am Wörthersee

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
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

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