Multi-Owner data Sharing for Analytics and Integration respecting Confidentiality and Owner control

Fact Sheet

Project Information

MOSAICrOWN
Grant agreement ID: 825333

Funded under
INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Total cost
€ 3 203 750

EU contribution
€ 3 203 750

Coordinated by
UNIVERSITA DEGLI STUDI DI MILANO

Italy

Start date
1 January 2019

End date
31 December 2021

Project description

Protecting privacy when sharing data

The continuous evolution of ICT is enabling the realisation of architectures that support collaborative data sharing and analytics, providing great benefits from the personal to the business, research, and social domains. However, private and public institutions need ways to share data without compromising sensitive personal information. The EU-funded MOSAICrOWN project will enable data sharing and collaborative analytics in multi-owner scenarios in a privacy-preserving way,
ensuring proper protection of private, sensitive and confidential information. The goal is to provide agile, deployable solutions allowing data owners to have control of the data sharing process by enabling selective and sanitised disclosure. The related advances will fully unlock efficient and privacy-aware collaborative computations.

**Objective**

The application of data analysis techniques over large data collections provides great benefits, from the personal, to the business, research, and social domain. The availability of large data collections recording actions and choices of individuals and organisations can lead to great improvement in the understanding of how the world operates. The continuous evolution of ICT is enabling the realisation of such vision at a fast pace, supporting the realisation of architectures enabling collaborative data sharing and analytics. A clear obstacle towards the realisation of such potential and vision is represented by security and privacy concerns. Indeed, the (actual or perceived) loss of control over data and potential compromise of their confidentiality can have a strong detrimental impact on the realisation of an open framework for enabling the sharing of data from multiple independent data owners. The goal of MOSAIcOWN is to enable data sharing and collaborative analytics in multi-owner scenarios in a privacy-preserving way, ensuring proper protection of private/sensitive/confidential information. MOSAIcOWN will provide effective and deployable solutions allowing data owners to maintain control on the data sharing process, enabling selective and sanitised disclosure providing for efficient and scalable privacy-aware collaborative computations. MOSAIcOWN Consortium sees the participation of major industry players, providing strategic use cases with strong exploitation and impact, and of an SME supporting deployment and standardisation.

**Fields of science**

natural sciences > computer and information sciences > data science

**Programme(s)**

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT) MAIN PROGRAMME

**Topic(s)**

ICT-13-2018-2019 - Supporting the emergence of data markets and the data economy
Call for proposal

H2020-ICT-2018-20

See other projects for this call

Sub call

H2020-ICT-2018-2

Funding Scheme

RIA - Research and Innovation action

Coordinator

UNIVERSITA DEGLI STUDI DI MILANO

Net EU contribution

€ 700 000,00

Address

Via Festa Del Perdono 7
20122 Milano
Italy

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

Other funding

€ 0,00

Participants (6)
EMC INFORMATION SYSTEMS INTERNATIONAL UNLIMITED COMPANY

Ireland

€ 456 250,00

Address
Ida Industrial Site
P31 Ovens

Region
Ireland > Eastern and Midland > Dublin

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

MASTERCARD EUROPE

Belgium

€ 305 000,00

Address
Chaussee De Tervuren 198a
1410 Waterloo

Region
Région wallonne > Prov. Brabant Wallon > Arr. Nivelles

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
THIRD-PARTY

MASTERCARD UK MANAGEMENT SERVICES LIMITED

United Kingdom
Net EU contribution

€ 195 000,00

Address
10 Upper Bank Street
E14 5NP London

Region
London > Inner London — East > Tower Hamlets

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

SAP SE

Germany
Net EU contribution

€ 546 875,00

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
UNIVERSITA' DEGLI STUDI DI BERGAMO

Italy

Net EU contribution
€ 500 625,00

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

Other funding
€ 0,00

GEIE ERCIM

France

Net EU contribution
€ 500 000,00

Address
Route Des Lucioles 2004 Sophia Antipolis
06410 Biot

SME
Yes

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