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 MOSAIcOWN 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 MOSAICrOWN 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. MOSAICrOWN 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. MOSAICrOWN 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)  

**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
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Region
Nord-Ovest > Lombardia > Milano

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website
Participation in EU R&I programmes
H2020 collaboration network

Non-EU contribution
€ 0,00

Participants (6)
EMC INFORMATION SYSTEMS INTERNATIONAL UNLIMITED COMPANY

Ireland
Net EU contribution
€ 456 250,00

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Ida Industrial Site
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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
H2020 collaboration network

Non-EU contribution
€ 0,00

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MASTERCARD EUROPE

Belgium
Net EU contribution
€ 305 000,00

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Chaussee De Tervuren 198a
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Région wallonne > Prov. Brabant Wallon > Arr. Nivelles

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

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Non-EU contribution
THIRD-PARTY

MASTERCARD UK MANAGEMENT SERVICES LIMITED

United Kingdom

Net EU contribution

€ 195 000,00

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10 Upper Bank Street
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London > Inner London — East > Tower Hamlets

Activity type

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

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H2020 collaboration network

Non-EU contribution

€ 0,00

SAP SE

Germany

Net EU contribution

€ 546 875,00

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Dietmar Hopp Allee 16
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Baden-Württemberg > Karlsruhe > Rhein-Neckar-Kreis

Activity type

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

Links
UNIVERSITA' DEGLI STUDI DI BERGAMO

ITALY

Net EU contribution

€ 500 625,00

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Activity type
Higher or Secondary Education Establishments

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Non-EU contribution

€ 0,00

GEIE ERCIM

FRANCE

Net EU contribution

€ 500 000,00

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SME
Yes
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