Scalable Policy-aware linked data architecture for privacy, transparency and compliance

Fact Sheet

Project Information

SPECIAL
Grant agreement ID: 731601

DOI
10.3030/731601

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

Total cost
€ 3 991 388,75

EU contribution
€ 3 991 388,75

Coordinated by
GEIE ERCIM
France

Closed project

EC signature date
4 November 2016

Start date
1 January 2017

End date
31 December 2019

This project is featured in...
Objective

The SPECIAL project will address the contradiction between Big Data innovation and privacy-aware data protection by proposing a technical solution that makes both of these goals realistic. We will develop technology that: (i) supports the acquisition of user consent at collection time and the recording of both data and metadata (consent, policies, event data, context) according to legislative and user-specified policies; (ii) caters for privacy-aware, secure workflows that include usage/access control, transparency and compliance verification; (iii) demonstrates robustness in terms of performance, scalability and security all of which are necessary to support privacy preserving innovation in Big Data environments; and (iv) provides a dashboard with feedback and control features that make privacy in Big Data comprehensible and manageable for data subjects, controllers, and processors. SPECIAL shall allow citizens and organisations to share more data, while guaranteeing data protection compliance, thus enabling both trust and the creation of valuable new insights from shared data. Our vision will be realised and validated via real world use cases that - in order to be viable - need to overcome current challenges concerning the processing and sharing of data in a privacy preserving manner. In order to realise this vision, we will combine and significantly extend big data architectures to handle Linked Data, harness them with sticky policies as well as scalable queryable encryption, and develop advanced user interaction and control features: SPECIAL will build on top of the Big Data Europe and PrimeLife Projects, exploit their results, and further advance the state of the art of privacy enhancing technologies.

Fields of science

natural sciences > computer and information sciences > computer security > access control
natural sciences > computer and information sciences > computer security > data protection
natural sciences > computer and information sciences > data science > big data
Programme(s)

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

Topic(s)

ICT-18-2016 - Big data PPP: privacy-preserving big data technologies

Call for proposal

H2020-ICT-2016-2017

See other projects for this call

Sub call

H2020-ICT-2016-1

Funding Scheme

RIA - Research and Innovation action

Coordinator

GEIE ERCIM

Net EU contribution

€ 672 170,00

Address

ROUTE DES LUCIOLES 2004 SOPHIA ANTIPOLIS
06410 Biot
France

SME
Participants (9)

**WIRTSCHAFTSUNIVERSITAT WIEN**

Austria

**Net EU contribution**

€ 650 737,50

**Address**

WELTHANDELSPLATZ 1
1020 Wien

**Region**

Ostösterreich > Wien > Wien

**Activity type**

Higher or Secondary Education Establishments

**Links**

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

**Total cost**

€ 650 737,50
CENTRO REGIONALE INFORMATION E COMMUNICATION TECHNOLOGY SCARL
Italy
Net EU contribution
€ 449 375,00
Address
VIA TRAIANO PALAZZO EX POSTE SNC
82100 Benevento
Region
Sud > Campania > Benevento
Activity type
Research Organisations
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Total cost
€ 449 375,00

TECHNISCHE UNIVERSITAT BERLIN
Germany
Net EU contribution
€ 343 000,00
Address
STRASSE DES 17 JUNI 135
10623 Berlin
Region
Berlin > Berlin > Berlin
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Total cost
€ 343 000,00
UNABHANGIGES LANDESZENTRUM FUR DATENSCHUTZ

Germany
Net EU contribution
€ 361,950,00

Address
HOLSTENSTRASSE 98
24103 Kiel

Region
Schleswig-Holstein > Schleswig-Holstein > Kiel, Kreisfreie Stadt

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

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

Total cost
€ 361,950,00

TENFORCE

Belgium
Net EU contribution
€ 622,406,25

Address
HAVENKANT 38
3000 Leuven

SME  
Yes

Region
Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

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**

€ 622 406,25

---

**DEUTSCHE TELEKOM AG**

Germany

**Net EU contribution**

€ 281 250,00

**Address**

FRIEDRICH-EBERT-ALLEE 140
53113 Bonn

**Region**

Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt

**Activity type**

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

**Links**

Contact the organisation  
Website

---

**THOMSON REUTERS GROUP LIMITED**

United Kingdom

**Net EU contribution**

€ 179 116,11

**Address**

30 SOUTH COLONNADE CANARY WHARF THE THOMSON REUTERS BUILDING
E14 5EP LONDON

**Region**

London > Inner London — East > Tower Hamlets

**Activity type**

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

Net EU contribution
€ 265 500,00

Address
BOULEVARD DU ROI ALBERT II 27
1030 BRUXELLES

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

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

REFINITIV LIMITED
United Kingdom

Net EU contribution
€ 165 883,89

Address
THE THOMSON REUTERS BUILDING 30
E14 5EP LONDON
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
€ 165,883,89

Last update: 18 August 2022

Permalink: https://cordis.europa.eu/project/id/731601

European Union, 2024