DECODE

Project ID: 732546

Funded under:

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

Decentralised Citizens Owned Data Ecosystem

From 2016-12-01 **to** 2019-12-31, ongoing project

Project details

Total cost:	Topic(s):
EUR 4 987 673,75	ICT-12-2016 - Net Innovation Initiative
EU contribution:	**Call for proposal:**
EUR 4 987 673,75	H2020-ICT-2016-1 See other projects for this call
Coordinated in:	**Funding scheme:**
Spain	RIA - Research and Innovation action

Objective

Today's Internet is becoming increasingly centralised, slowing innovation and challenging its potential to revolutionise society and the economy in a pluralistic manner. DECODE will develop practical alternatives through the creation, evaluation and demonstration of a distributed and open architecture for managing online identity, personal and other data, and collective governance in a citizen-friendly and privacy-aware fashion. Strong digital rights that makes it possible for data subjects to determine access rights to their information through flexible entitlements and open standard-based agreements regarding data governance (on the model of Creative Commons licenses) will be woven into the technological architecture.

DECODE will increase digital sovereignty of European citizens by enabling them to produce, access and control their data and exchange contextualised information in real-time, and in a confidential, and scalable manner. DECODE will develop a modular privacy-aware IoT hub with a free and open source operating system backed by a state of the art blockchain infrastructure supporting smart-contracts and privacy protections.

The architecture will be demonstrated through four pilots in Barcelona and Amsterdam, in the field of digital democracy, citizen sensing, and collaborative economy. The pilots will be run with the active involvement of social entrepreneurs, hackers, and makers. Innovators will be able to build solutions on top of the platform through hackathons and open challenges, while ensuring their security, resilience and privacy preserving qualities. This aims to create a decentralised innovation ecosystem that will attract a critical mass able to shift the current centralised data-driven economy towards a decentralised, sustainable and commons-based economy. DECODE puts agency and data control in the hands of citizens, to improve citizens' well-being and society for the collective benefit of all.

Related information

News	Digital sovereignty: Power to the people

Coordinator

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EU contribution: EUR 545 395

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
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EU contribution: EUR 411 250

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EU contribution: EUR 425 000

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Activity type: Higher or Secondary Education Establishments

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EU contribution: EUR 168 750

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EU contribution: EUR 345 031,25

Activity type: Research Organisations

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EU contribution: EUR 305 375

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EU contribution: EUR 92 500

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