

Programme: EU-HORIZON 2020 Information and Communication Technologies - 2018-2020

Call:

ICT-15-2019-2020

Topic/s:

a) Research and Innovation Actions (RIA)

Proposals will address at least one the following areas:

New modelling techniques and mechanisms are needed to compose and coordinate resources across heterogeneous clouds, including micro local clouds, private enterprise clouds, aggregated and hybrid cloud models facilitating interoperability and data portability between cloud service providers. Techniques that guarantee privacy, security, identity are essential.

Edge computing (fog computing) technologies that integrate the limited memory, storage and computation of fog nodes that are closer to where data are generated into the cloud architecture and allow to make intelligent decisions when to move computation from the edge to the cloud, while taking into account the network capabilities as well as the security and/or sensitivity of data.

New management strategies aimed to design and develop an efficient, coordinated, robust, secure and service agnostic management of the set of resources brought by combining cloud, IoT, Big Data and fog computing. Solutions for consistent resources categorization, abstraction and monitoring are fundamental. Proposed solutions should also envision the development of novel collaborative (sharing) scenarios and innovative service execution approaches that allow the dynamic allocation of cloud services to improve performance, and to facilitate automatic discovery and composition of cloud services at IaaS, PaaS and SaaS levels (Infrastructure, Platform and Software as a Service). The provision and its user-friendly combination, usage and orchestration of such services should particularly look at SMEs and public sector users.

The Commission considers that proposals requesting a contribution from the EU of between EUR 3 and 5 million would allow this area to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

b) Coordination and Support Actions (CSA)

Proposals in this action will address the following:

Facilitate awareness of stakeholders in research and policy matters related to Cloud Computing.

Coordinate stakeholders in Cloud Computing and act as support to R&D

programmes/activities by disseminating project results and organising scientific and policy events, developing research and innovation roadmaps, and addressing pre-standardisation initiatives.

AG1 priority fields: ICT

Co-funding type:

Co-funding type: € euro

Opening date: 16 Oct 2018

Deadline date: 28 Mar 2019

Call presentation and documents: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunit...>

Field: Research

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