mF2C  
**Project ID:** 730929  
**Funded under:**  
H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

**Towards an Open, Secure, Decentralized and Coordinated Fog-to-Cloud Management Ecosystem**

*From 2017-01-01 to 2019-12-31, ongoing project | mF2C Website*  

**Project details**

<table>
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<tr>
<th>Total cost:</th>
<th>EUR 5 440 287,50</th>
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<tbody>
<tr>
<td>EU contribution:</td>
<td>EUR 4 677 787,50</td>
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<tr>
<td>Coordinated in:</td>
<td>Spain</td>
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<tr>
<th>Topic(s):</th>
<th>ICT-06-2016 - Cloud Computing</th>
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| Call for proposal: | H2020-ICT-2016-1  
See other projects for this call |
| Funding scheme: | RIA - Research and Innovation action |

**Objective**

Fog computing brings cloud computing capabilities closer to the end-device and users, while enabling location-dependent resource allocation, low latency services, and extending significantly the IoT services portfolio as well as market and business opportunities in the cloud sector. With the number of devices exponentially growing globally, new cloud and fog models are expected to emerge, paving the way for shared, collaborative, extensible mobile, volatile and dynamic compute, storage and network infrastructure. When put together, cloud and fog computing create a new stack of resources, which we refer to as Fog-to-Cloud (F2C), creating the need for a new, open and coordinated management ecosystem. The mF2C proposal sets the goal of designing an open, secure, decentralized, multi-stakeholder management framework, including novel programming models, privacy and security, data storage techniques, service creation, brokerage solutions, SLA policies, and resource orchestration methods. The proposed framework is expected to set the foundations for a novel distributed system architecture, developing a proof-of-concept system and platform, to be tested and validated in real-world use cases, as envisioned by the industrial partners in the consortium with significant interest in rapid innovation in the cloud computing sector.

**Related information**

| Report Summaries | Periodic Reporting for period 1 - mF2C (Towards an Open, Secure, Decentralized and Coordinated Fog-to-Cloud Management Ecosystem) |
Coordinator

ATOS SPAIN SA
CALLE DE ALBARRACIN 25
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EU contribution: EUR 575 000

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EU contribution: EUR 539 500

CALLE DE ALBARRACIN 25
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EU contribution: EUR 437 500

CALLE DE ALBARRACIN 25
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EU contribution: EUR 685 000

Coordinator

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

Contact the organisation

Participants

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Activity type: Higher or Secondary Education Establishments

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Activity type: Research Organisations

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EU contribution: EUR 507 500

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EU contribution: EUR 418 125

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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EU contribution: EUR 0

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
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EU contribution: EUR 0

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SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
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United Kingdom

EU contribution: EUR 0

Activity type: Research Organisations
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EU contribution: EUR 572,912.50

Activity type: Research Organisations
Contact the organisation

ENGINEERING SARDEGNA SRL
Via Santa Gilla - Piazza L'Unione Sarda - Edificio F, 2° piano
09122 Cagliari
Italy
EU contribution: EUR 491,000

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