



Preparation H2020 ICT WP2018- 2020

Post-Consultation Workshop: Cloud Computing

7 November 2016

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European Commission

DG CONNECT

Cloud & Software

Industry consultation

Industry consultation of **4 Feb 2016** identified 10 key cloud research challenges:

- Cloud management platforms linking compute, storage and networking
- Fog and edge computing linked with the Internet of Things
- Data-centric cloud computing
- Cloud federation, hybrid clouds and cloud scalability
- Enhanced and automated cloud deployment methodologies and tools
- Novel cloud-native applications (next generation apps)
- Migration of applications and services to the cloud
- Cloud and data centre infrastructure
- Standards and openness in cloud computing platforms and data
- Privacy, security, trust and accountability in cloud computing

Relevant Policies

6 May 2015: COM on "A Digital Single Market Strategy for Europe"

- *European Cloud Initiative*
- *Digitising European Industry*
- *Standardisation*
- *Data Economy (planned early 2017)*

European Cloud Initiative

19 April 2016: COM on "European Cloud Initiative – building a competitive data and knowledge economy in Europe"

*"In partnership with industry and the public sector, the Commission undertakes to **develop an ecosystem to strengthen the cloud industry in Europe**, using the European Open Science Cloud as a testbed for innovative cloud technology solutions"*

Digitising European Industry

19 April 2016: COM on "Digitising European Industry – Reaping the full benefits of a DSM"

*"The accompanying **Communication on the European Cloud Initiative** shows how such **a collective effort in partnership with Member States and industry** can boost Europe's innovation capacity across scientific disciplines and industrial sectors. It also shows how such an investment can help reinforce the supply chain for strategic high performance computing in Europe from low power components to computing architectures, **Cloud technology** and data analytics"*

Public consultation

Open consultation launched on 5 Sept 2016

<https://ec.europa.eu/digital-single-market/en/news/consultation-cloud-computing-research-innovation-challenges-wp-2018-2020>

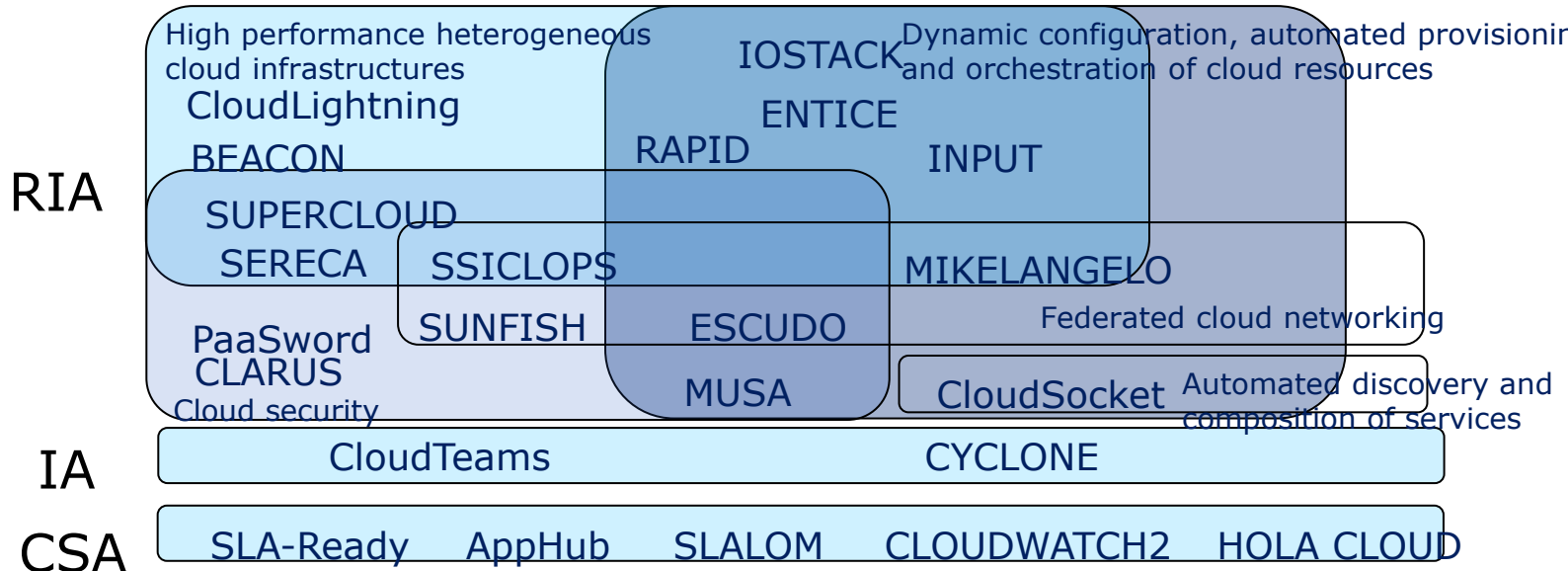
54 contributions received by 10 October 2016

All contributions are available at the consultation website

Consultation Report, including outcome of the Workshop will be uploaded to website by mid-December 2016

Project portfolio

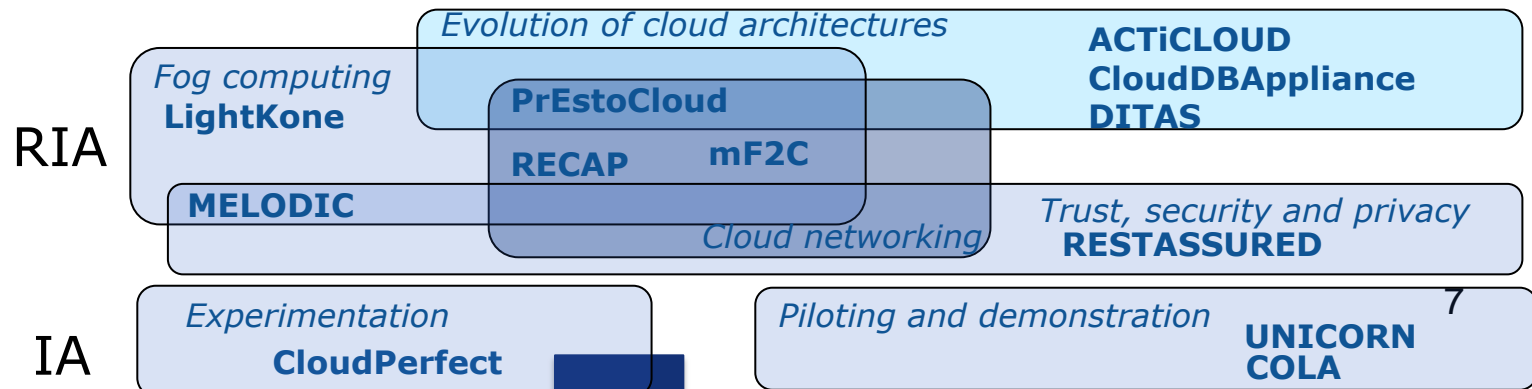
Call 2014-1



2015



2016-1



H2020 implementation (cloud budget)

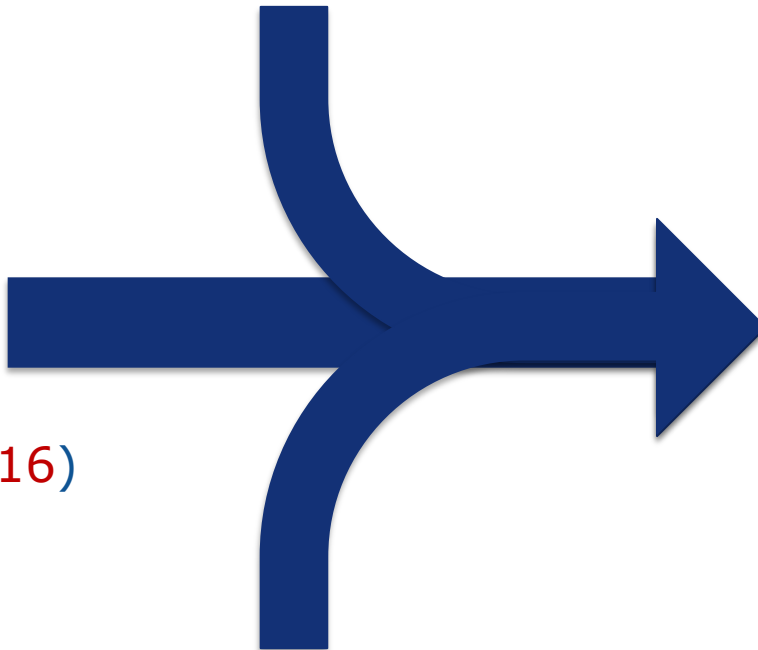
	Budget [MEUR]	EU contribution	RIA	PCP	IA	CSA	Total
WP2014-(ICT7)	73.0	72.6	16		2	5	23
WP2015 (ICT8)	22.0	4.7		1			1
WP2016 (ICT-06)	45.5	49.7	8		3		11
WP2018	?						?

Total EU contribution to funding so far: 127.0 MEUR

H2020 WP2018-2020 preparation

Internal EC consultation

Public
consultation
(Sept-Oct 2016)
Workshop (Nov 2016)



Adoption: Q3 2017?

Industry consultation (Feb
2016)

Other sources: **several reports** available at the consultation website