

5G-CORAL: A 5G Convergent Virtualised Radio Access Network Living at the Edge



PROJECT COORDINATOR

Antonio de la Oliva

UNIVERSIDAD CARLOS III DE MADRID (UC3M)

TECHNICAL MANAGER

Dr. Alain Mourad – European TM INTERDIGITAL EUROPE LTD

Dr. Tony Do – Taiwanese TM INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE INCORPORATED (ITRI)

PARTNERS

Universidad Carlos III de Madrid / Ericsson AB / InterDigital Europe / Telecom Italia / Telcaria Ideas / RISE SICS AB / Azcom Technology / Industrial Technology Research Institute Incorporated / ADLINK / National Chiao Tung University

START DATE: 01/09/2017

END DATE: 31/08/2019

COST: 3,856,973.75€ including 2,497,223.75€ from EU H2020

MORE INFORMATION

www.5g-coral.eu

CONTACT 5G-CORAL-Contact@5g-ppp.eu

MAIN OBJECTIVES

o Develop a system model including use cases, requirements, architecture, deployment scenarios, and business models to design and validate the 5G-CORAL solution.

o Design virtualised Radio Access Network (RAN) functions for multiple RATs including Cellular, Wi-Fi and IoT, data services, and users and third party low latency applications for hosting in the 5G-CORAL integrated Edge and Fog computing System (EFS).

o Design an Orchestration and Control system (OCS) for dynamic integration and federation, and optimised allocation of 5G-CORAL EFS computing resources, including the interworking with other (non-EFS) domains such as the distant Cloud.



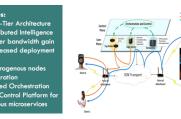
Proof of Concepts (PoCs)

5G-CORAL project be validated in testbeds with PoCs:

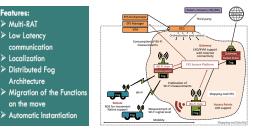
1. Augmented Reality Live Navigation in Taiwan shopping mall



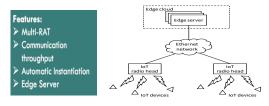
 Virtual Reality, a showcase of 360 video streaming



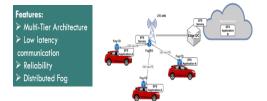
3. Fog Aassisted Robotics



4. Multi-RAT IoT Gateway with Edge server



5. Enhanced Safety in Connected Cars



Summary of Overall Achievements

5G-CORAL project also kept focusing on communication, dissemination, standardization and exploitation. We have several significant achievements in Year 1 and Q1 of Year 2 listed in the table below.

Activities		Achievement
Press and Media	Public Summary	1
	Leaflet	1
	Poster	2
	Press Release	9
	Videos	6
Public Presentations		20
Education and Training		1
Publication		16
Organized Events		5
Open Source Contributions		1
Exhibitions	Booth	2
	Demo	8
Standard Dissemination		4
Standard Contributions		27

https://twitter.com/5g_coral/



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