DISTRIBUTED MANAGEMENT
OF NETWORK SLICES
IN BEYOND 5G

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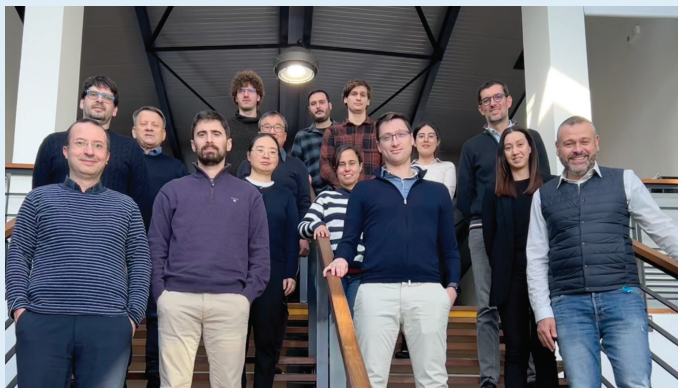Driven by Passion For Innovation

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PROGRESS UPDATES

The last period of the project concluded the implementation and deployment of the various components of the MonB5G solution, as well as the integration of the pilot use cases.

Additionally, this last period also included several public deliverables releases, conference participations and other public engagement events that shall be outlined below.

MEETINGS

19-20 January 2023

MONB5G 9TH PLENARY MEETING HELD 19-20 JANUARY 2023

On 19-20 January 2023, MonB5G consortium held the 9th plenary meeting of the research and innovation action funded under the European Union's Horizon2020 programme.

The 2-day meeting was hosted by EURECOM in Sophia Antipolis, France., to review the project's progress and major achievements, as well as the roadmap for the final phase of the project until its conclusion in April 2023.

The majority of the partners attended this face-to-face meeting at EURECOM's premises, while the rest participated remotely via teleconference.

19-20 April 2023

MONB5G 10TH PLENARY MEETING HELD 19-20 APRIL 2023

On 19-20 April 2023, MonB5G consortium held the 10th and final plenary meeting of the research and innovation action funded under the European Union's Horizon2020 programme.

The 2-day meeting was hosted by CTTC in Barcelona, Spain and the partners had the opportunity to review the project's achieved results and accomplished objectives, as well as the final actions until its conclusion in the end of April 2023.
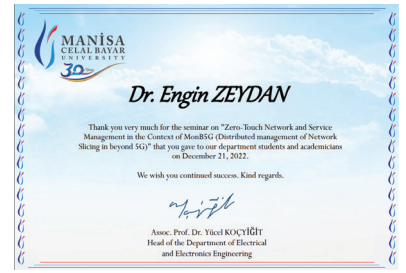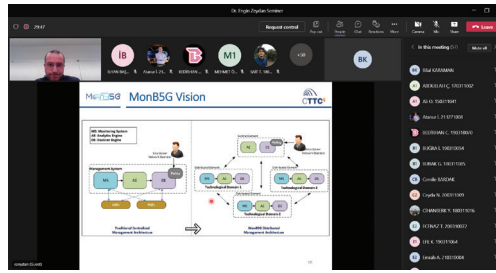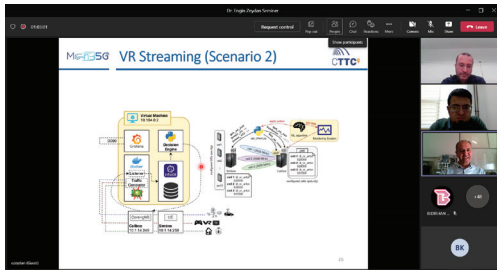
Some of the partners attended this face-to-face meeting at CTTC'S premises, while the rest participated remotely via teleconference.

NEWS & EVENTS

INVITED TALK TO UNDERGRADUATE STUDENTS REGARDING MONB5G   21 December 2022

On the 21st of December 2022, Dr. Engin Zeydan gave an online talk to undergraduate students of Manisa Celal Bayar University about Zero-Touch Network and Service Management in the context of the MonB5G project.

PHASE 3 KEY ACHIEVEMENTS 3.2 FROM THE 5G PPP

The 5G PPP's Phase 3 Key Achievements 3.2 features 129 highlighted results from phase 3 projects. MonB5G project's key achievements are also highlighted!

MONB5G IN IOT SOLUTIONS WORLD CONGRESS   31 January - 2 February 2023

The #ETSI ZSM PoC 7 "Zero-touch closed-control security management of attacks detection and mitigation" demonstration is presented by MonB5G partners Centre Tecnolgic Telecomunicacions de Catalunya (CTTC), EURECOM, OTE Group of Companies (HTO), and NEC Laboratories Europe GmbH at the IoT Solutions World Congress 2023 in Barcelona.

The purpose of the PoC is to demonstrate the MonB5G ZSM strategy, which relies on a closed-control loop utilizing machine learning to detect abnormal traffic of MTC devices that could cause DDoS attacks on the control plane of the 5G Core network and extract the list of potential UE involved in the attack.

EL MUNDO NEWS ABOUT MONB5G

Dr Engin Zeydan gave an interview to the Spanish newspaper El Mundo in a special edition ahead of Mobile World Congress Barcelona 2023 on topics related to MonB5G's solutions for 6G networks.

MONB5G IN MWC 2023   27 February - 2 March 2023
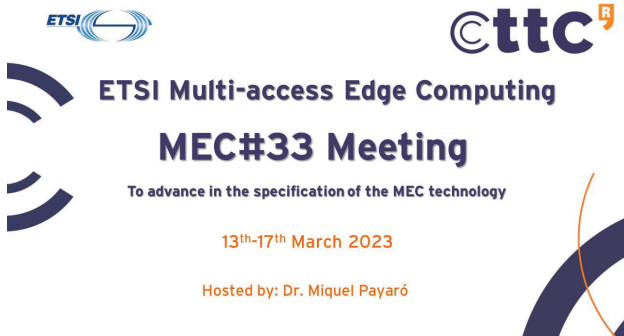

MonB5G is presented at MWC 2023 in Barcelona in CTTC booth. More information about the event can be found on the website.

MONB5G DEMO AT ETSI MEC#33 MEETING

15 March 2023

MonB5G PoC#1 scenario 1 demo will be demonstrated in ETSI MEC #33 meeting to be held in Castelldefels, Spain on 15 March 2023.

Demo details: CTTC, "A demonstration of embedding distributed MonB5G intelligence for 6G networks", ETSI Multi-access Edge Computing (MEC) #33 group meeting, 15 March 2023, Castelldefels, Spain.

BEST PAPER AWARD POST

Dr. Sławomir Kukliński and Dr. Jacek Wytrębowicz have received the "Best Paper Award" for their paper "A Systematic Approach to Security Management in the MonB5G Architecture" at the 6th International Symposium on Mobile Internet Security, Jeju Island, South Korea.
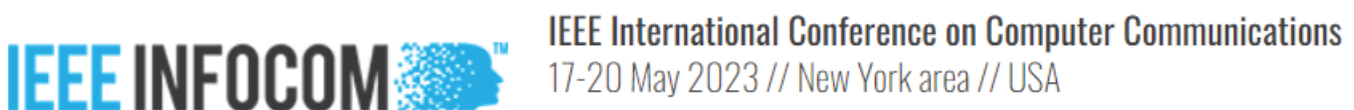
The paper will be published in Springer MobiSec 2022 Conference proceedings soon.

MONB5G PAPER ACCEPTED IN IEEE INFOCOM 2023

17 May 2023

The demo paper by CTTC and NEC, entitled "A Multi-Agent Deep Reinforcement Learning Approach for RAN Resource Allocation in O-RAN" has been accepted in IEEE INFOCOM 2023 and will be presented in the Demo Session I on the 17th of May 2023.

DELIVERABLES

Below are the latest publicly available deliverables with links to download.

For a list of all public deliverables please visit: https://www.monb5g.eu/deliverables/

Deliverable	Author
D1.7 Periodic Management Report including updated Risk Analysis	CTTC
D5.4 Report on implementation and testing of security and energy management techniques	BCOM
D6.1 Technical report on system integration and operation	IQU
D7.7 Final Report on Dissemination, Standardization and Exploitation Plans	OTE

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