5GCity Newsletter # 4 - April 2019
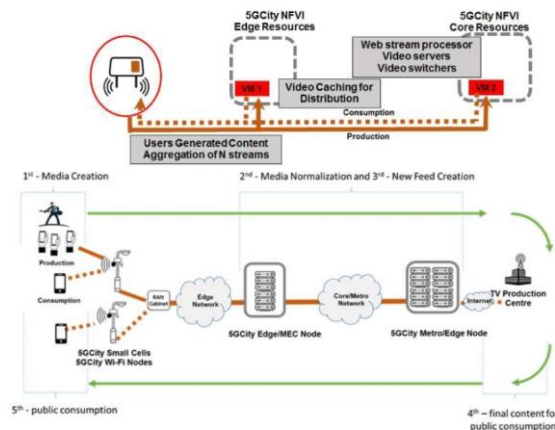

5GCity: Developing and deploying 5G neutral hosts with municipalities, ICT-infrastructure owners, Telco for new 5G-powered Smart Cities.
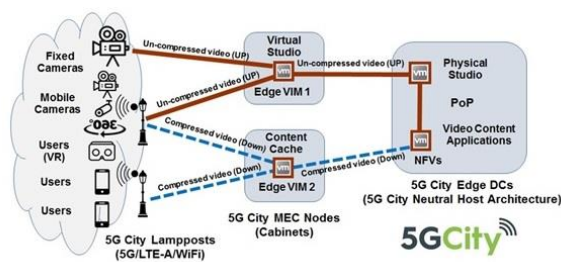
TECHNOLOGY NEWS

5GCity Crowd Streaming

The growing importance of crowd streaming contributions has become increasingly relevant in the media domain. As a result of the evolution of mobile devices with more and better features, allows the footage made by these devices be used in broadcast workflows. The high potential associated with the participation of an ordinary citizen in the capture and dissemination of interesting footage content in specific geographical areas creates some challenges in the city infrastructures. The 5GCity project aims to help in solve these challenges. **_MORE_**

5G Impact on Media Production Workflow

While previous generations of network technologies have been designed as general purpose connectivity platforms with limited ability of adaptation to different use cases, the situation changes in the definition of 5G networks. The 5G creates a new ecosystem that allows the involvement of vertical markets such as automotive, energy, food and agriculture, media, entertainment, city management, government, health, production , public transport and many others. Media Companies are experimenting as vertical actors for the purpose of evaluating the impact that the new generation of network will have on the overall TV production workflow. **MORE**

PUBLICATIONS

IEEE *Xplore®*
Digital Library

Journals & Magazines

◆IEEE

- **Deploying a Novel 5G-Enabled Architecture on City Infrastructure for Ultra-High Definition and Immersive Media Production and Broadcasting**, a Journal Article for IEEE Transaction on Broadcasting. With the massive growth of cutting-edge media services, such as ultra-high definition video and immersive media (i.e., virtual and augmented reality), demand for large investments in a scalable, ubiquitous, and robust communication infrastructure and services increases enormously. **MORE**

IEEE WCNC

IEEE Wireless Communications and Networking Conference
15-19 April 2019 // Marrakech, Morocco
Touch through Wireless

- **Cloud & Edge Trusted Virtualized Infrastructure Manager (VIM) - Security and Trust in OpenStack** at IEEE WCNC19. The Fifth Generation (5G) mobile

networks promise faster connectivity and futuristic applications and services. In order to meet the high expectations, 5G joins forces with virtualization technologies like Network Functions Virtualization (NFV) and adopts cloud-native solutions. **MORE**

HIGHLIGHTS ON PAST EVENTS

From 25-28 Feb 2019, 5GCity partners were very active at the MWC Barcelona, the most important and largest technology and mobile event in the world. The Consortium had the opportunity to showcase the latest infrastructures, demos, disseminating materilas, and giving its important contribution to several presentations on 5G technology.

Source: 5GCity partners

5GCity 5h F2F Meeting in Pisa

In Pisa, from 2 to 4 April, an intense 5th GA meeting took place, where the outcomes strenghth Consortium commitment and determination to achieve the project results.

Source: 5GCity partners

Grateful to all for the great work done!

UPCOMING EVENTS

The expectation grows to know which will be the **two 5G Pilot Projects that will be deployed in the next months in Spain**, and whose presentation to the technological society will be in the 5GForum, that will be held 24 and 25 in Malaga, in Polo de Contenidos Digitales. 5GForum has generated great interest and 5GCity will be actively participating in the discussion. MORE

6-7 June 2019, the **European Digital Forum** returns for the **16th edition**, at the **Royal College of Lucca**. The **2019** edition will focus on the most important themes that will influence the future of the European and global technological market.

One of the main topics: the **5G,** a new boost to the evolution of the infrastructure; how it will affect citizens. A strong contribution to the event will be given by 5GCity Corsortium with Lucca deployment in the analysing on new verticals in the media. MORE

18-21 June 2019 Valencia will welcome 5GCity demos to the 28th edition of the EUCNC 2019; telecommunication conference, sponsored by the IEEE Communications Society and the European Association for Signal Processing, supported by the European Commission. MORE

6th OSM Hackfest in LUCCA!

ETSI's Centre for Testing and Interoperability and the OSM community are organizing the 6th OSM Hackfest next 18-22 Nov. 2019. The event will be hosted by 5GCity Consortium in Lucca, co-located with the 5GCity Hackathon. The event will ofer a great opportunity to share and learn with OSM developers and module leaders, and explore further opportunities for synergy and collaboration with 5G research activities. Full information and registration will be published soon on OSM and 5GCity.

SOCIAL MEDIA

5GCity new Social Campain launched with great success!

Twitter 1.435 followers

LinkedIn group 128 members

We are very excited about the progress of **5GCity** project.

We will keep you informed of future results and innovations through our newsletters.

5GCity project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 761508