

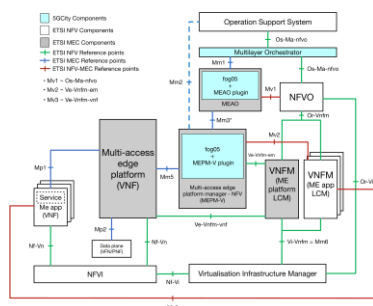
5GCity Newsletter # 3 - Dec 2018



5GCity: Developing and deploying a virtualized neutral host platform for interested parties (e.g. municipalities, ITC -infrastructure owners, etc.) to deploy Smart City services.

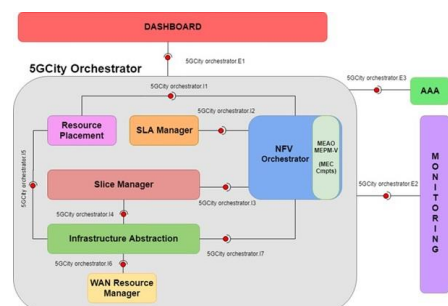
TECHNOLOGY NEWS

Merging NFV and MEC: the 5GCity approach



To achieve its promises, of low

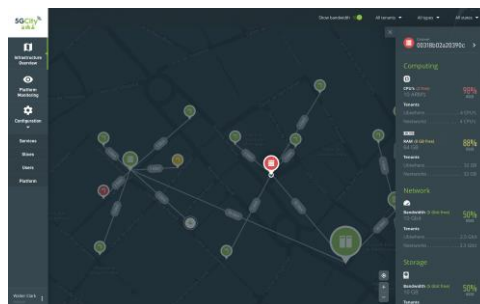
5GCity Monitoring



latency and high bandwidth, 5G networks will rely on flexible programmable networks, leveraging well-known technologies such as Software Defined Networking (SDN) and Network Function Virtualization (NFV). [MORE](#)

overall virtualized resources (calculation, storage and network) of the three-tier architecture and, through an appropriate set of parameters, the applications and services running on the 5GCity infrastructure. [MORE](#)

5GCity Neutral Host Dashboard



The main goal of 5GCity is to define how to turn a city into a distributed and multi-tenant edge infrastructure enabling the orchestration and service programming of 5G services following a neutral host rational. [MORE](#)

PUBLICATIONS

Edge Computing Enhancements in an NFV-based Ecosystem for 5G Neutral Hosts

Authors: ***Gabriele Baldoni, Paolo Cruschelli, Michele Paolinox, Carlos Colman Meixnerxx, Antonino Albanese, Apostolos Papageorgiou, Hamzeh Khalili, Shuaib Siddiqui, and Dimitra Simeonidou.***

Venue: IEEE NFV-SDN conference - Verona 27-29 Nov 2018

- ***Design Considerations for an Energy-Aware SDN-based Architecture in 5G EPON Nodes***

Authors: ***Hamzeh Khalili, Pouria Sayyad Khodashenas, David Rincon, Shuaib Siddiqui, Jose Ramon Piney and Sebastia Sallent.***

Venue: 20th Anniversary International Conference on Transparent Optical Networks ICTON 2018- Bucharest 1-5 July 2018

HIGHLIGHTS ON PAST EVENTS



5GCity presented 5 live demos at ICT 2018. During the event, 5GCity booth received the VIP visit, strong interest and "demo handover" from important officers:

Khalil Rouhana - EC, DG CONNECT, Deputy Director General;

Claire Bury - Deputy Director General in the EC, Directorate-General Communications Networks, Content and Technology;

Pearse O'Donohue- Director for Future network in the EC, DG CONNECT, responsible for 5G, cloud & software, IoT, next generation internet, internet. [MORE](#)



Source: 5GCity partners

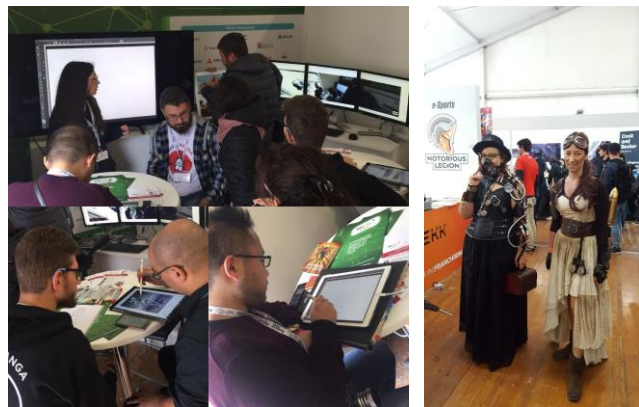


Source: 5GCity partners

Intense activity for 5GCity Consortium during SCEWC 2018 with the moderation in the dedicated session The Next Level of Connectivity for Industries and Society in the Digital Transformation. The consortium was also involved in the organization and implementation of the **5G Smart City Vertical Use Case Awards** during the 5GCity Side Event. [**MORE**](#)

LUCCA
COMICS AND GAMES **2018** MADE IN ITALY
31OTT-4NOV IL FESTIVAL 13OTT-4NOV LE MOSTRE

During the [Lucca Comics and Games 2018](#) Lucca had the absolute preview, to show the upcoming opportunities offered by the 5G, with live demonstrations, immersive 360° videos, innovative proposals on the "neutral host", as living proof of a closer than ever [Lucca Comics and Games 2018](#)At future. During Lucca Comics and Games took place the first 5G deployment of equipment and demo testing of specific use cases for the 5GCity project. [MORE](#)



Source: 5GCity partners



Last October, **Virtual Open Systems** (VOSYS), important 5GCity partner, participated in one of the leading IoT industry events in Europe, the [IoT Solutions World Congress 2018](#). with a demonstration showing the **5GCity edge computing security** and mixed criticality enhancements integrated into VOSySIoT.



A representation by **Barcelona City Council**, during the **ITU Forum**, on **5GCity Deployment** concept as **Neutral Operator** and **Neutral Host**, co-organized and hosted by the Ministry for Digital Policy, Telecommunications and Media of Greece. Barcelona City Council explained its deployments related with **Towards 5G Enabled Gigabit Society** on **'Strategy**, and the collaboration and implementation with other projects as: **FLAME** and **Growsmarter** as drivers to test first deployments.



Completed its first year, 5GCity project had played an active part at the 27th edition of EuCNC 2018 in Ljubljana, Slovenia, last 18 to 21 June. The members of the consortium took part in different activities, making important contributions and strengthening collaboration with other EU Horizon2020 5G-PPP Phase 2 projects. [MORE](#)



Source: 5GCity partners



During the European Digital Forum, 5GCity shoot the first immersive 360° video and UHD demos and set an area to showcase the project use case with dissemination material. [MORE](#)



Source: RAI

5GCity 4th F2F GA Meeting



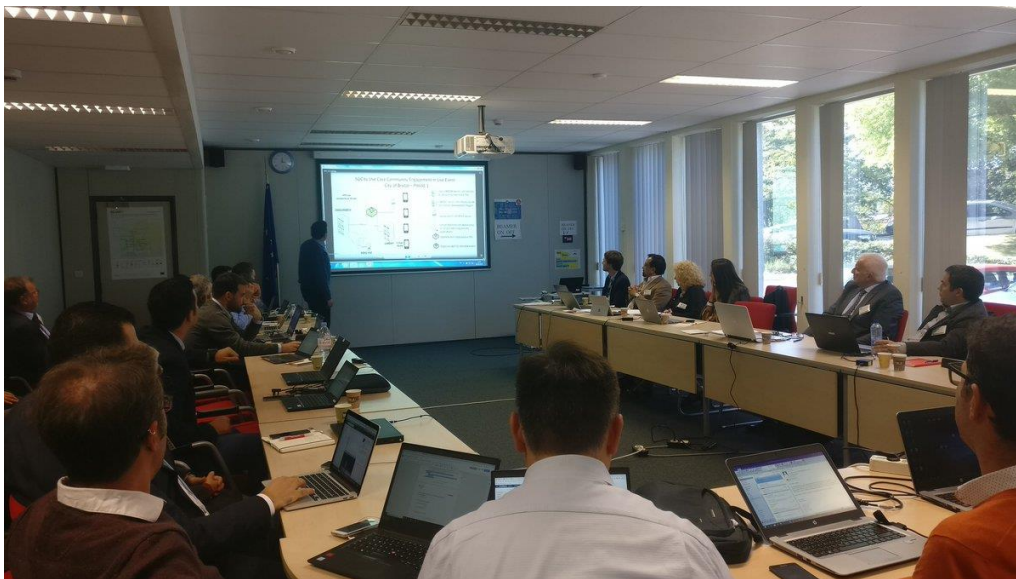
At Centre d'Innovació Urbana Ca l'Alier, in Barcelona, the 4th GA meeting took place, where the outcomes of the meeting, helped the Consortium to keep track of on-going developments and upcoming results.



Source: 5GCity partners

First Year 5GCity Review

Last Sept 26th, 5GCity Consortium had its first Year Review in Brussels. In the end, the Periodic Report was convincing and the project was found on track and capable of achieving its overall objectives. The Reviewers expressed acceptance of the work for this period subject with some corrective recommendation actions.



Source: 5GCity partners

UPCOMING EVENTS

 **MOBILE**TM
WORLD CONGRESS
BARCELONA 25-28 FEB 2019

25-28 Feb 2019 5GCity will be attending with partners to the most important technology events worldwide, MWC Barcelona is the largest mobile event in the world, bringing together the latest innovations and leading-edge technology from leading companies, to explore the hottest topics influencing the industry. The consortium will showcase the latest infrastructures and demos results to enrich the discussion on the life-changing potential of 5G.



EUCNC 2019 June 18-21
European Conference on Networks and Communications | Valencia, Spain

18-21 Jun 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 NEWS HERE](#)



We are very excited about the progress of **5GCity** project.
We will keep you informed of future results and innovations through our newsletters.



Partners role is fundamental!



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



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