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5GCity Newsletter. Issue number 2. May 2018.

# 5GCity Newsletter



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

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The [EU H2020 5GCity](#) project aims to introduce the novel concept of a neutral host to smart cities, whereby providers (i.e., municipalities) deploy basic infrastructure that then other parties or municipalities themselves, can use or rent out to implement novel use cases at a fraction of the cost and time.

5GCity is busy developing and deploying a virtualized neutral host platform that will allow interested parties to deploy smart city (virtualized) services much like in the cloud domain. In order to cater to the widest possible range of use cases and potential clients, the platform itself will be deployed in a distributed manner.

It will go from the very edge of a network in street-side cabinets, running resource-constrained devices, all the way to clusters using standard, off-the-shelf x86 servers. 5GCity targets deployment will take place in three different municipalities: Barcelona, Bristol and Lucca.

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*The latest news about 5GCity project!*

## **TECHNOLOGY NEWS**

- **Are 5G Networks, and the Neutral Host model, the solution to the shrinking Telecom market?**

InCITES Consulting has presented the paper "*Are 5G Networks, and the Neutral Host model, the solution to the shrinking Telecom market?*" at the 5G – Putting Intelligence to the Network Edge workshop in Rhodes, last May 25-27. The event is part of the 14th International Conference on Artificial Intelligence Applications and Innovations5G. [MORE Info](#)

- **5GCity to Bring the Power of Unikernels to Smart City Deployments**

The past and upcoming months have seen a lot of work focused on adding functionality to Unikraft, and in cleaning up this internal development to make it ready for upstreaming in 5GCity use cases. [MORE Info](#)

- **An innovative OpenFlow implementation for 5GCity**

At the 3rd IEEE International Conference on Fog and Mobile Edge Computing (FMEC 2018) held in Barcelona on April 23-26, 2018, Virtual Open Systems (VOSYS) presented the paper "*A novel pflua-based OpenFlow implementation for VOSYSwitch*". [MORE info](#)

- **5GCity - A distributed cloud and edge platform for 5G-based services deployment**

One of 5GCity showcased demos at EUCnC2018, in Ljubljana, it is from Ubiwhere. [MORE info](#)

## **COMING EVENTS**

5GCity Projects at Multiple Upcoming

## Events



- 13-15 June, [INTEROP](#) Japan, 5GCity partner Virtual Open Systems (VOSYS) will participate at one of the most important technology events worldwide, with more than 140.000 attendees expected. The company will give a demonstration of VOSYSIoT, enabling Edge Gateways empowered by VOSYSmonitor.



- From 14-15 June, at the [15th European Digital Forum](#), 5GCity partners: Comune di Lucca, RAI, Italtel, Wind Tre, Nextworks, and CoDi will participate at the oldest Broadcast and Media event in Italy and well recognized at European and international level. During the Forum, 5GCity demo area will be set to showcase some project use cases, latest results, and with the participation of delegate at the 5G Media and Industry panel.



- Several 5GCity partners will take an active role in different capacities at [EuCNC2018](#), Ljubljana, Slovenia, 18-21 June, by chairing sessions; holding technical presentations in workshops, special sessions; and leading demonstrations at the 5GCity booth, to share latest and most exploitable research results. [MORE info](#)



- Unikraft Continues to Grow - Join Us!
  - [IEEE HPSR2018](#) Hackathon: Build your Unikernel with Unikraft, Bucharest, Romania, 17-20 June.
  - [Xen Summit2018](#) Unleashing the power of Unikernel with Unikraft, Jiangning, China, 20-22 June.

## PAST EVENTS



- inCITES Consulting has presented the paper Are 5G Networks, and the Neutral Host model, the solution to the shrinking Telecom market? at the “5G –Putting Intelligence to the Network Edge” workshop in Rhodes, 25-27 May, as part of the 14th International Conference on Artificial Intelligence Applications and Innovations. [MORE Info](#)



- Cellnex at the [5GForum](#), last 25-26 April in Malaga. Cellnex made a presentation about future deployment of 5G, with a presentation of 5GCity in the showroom.



- IOTings 2018 Milan, 10-11 April. A great contribution was given from 5GCity partners to the event: CoDi led a panel discussion about 5GItaly. RAI, Wind Tre, Comune di Lucca, and Nextworks presented their approach to Smart City concept, as clearly described by 5GCity project. [MORE Info](#)

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## SOCIAL NEWS



***From Service design to network slices: Software development kits for 5GCity*** excellent contribution from Nextworks to 5GCity blogpost, with an article providing 5GCity view on Service design tools forecasted by 5GCity infrastructure. [MORE Info](#)



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

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