

eWINE's final demo will be presented at

**EUCCNC 2018**  
June 18-21

European Conference on Networks and Communications | Ljubljana, Slovenia

**LET'S MEET THERE!**

### Project facts

Start: 1st January 2016

Duration: 28 Months

Call: H2020-ICT-2015

Topic: ICT-12-2015 (FIRE+)

Type of action: Research & Innovation Action

### Follow us!



@eWINE\_project



groups/8459598

[www.ewine-project.eu](http://www.ewine-project.eu)



**Empowering**

**Wireless Network**

**Experimentation**

Consortium

THALES



mec



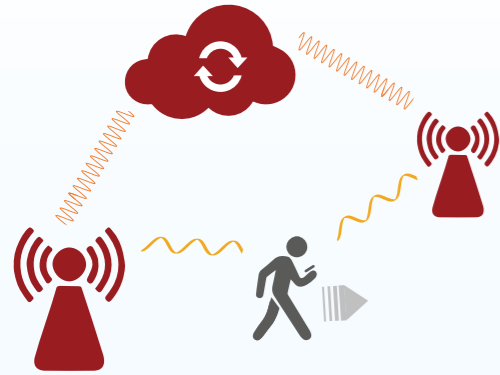
Spacetime Networks



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## Enabling different innovative elastic network scenarios

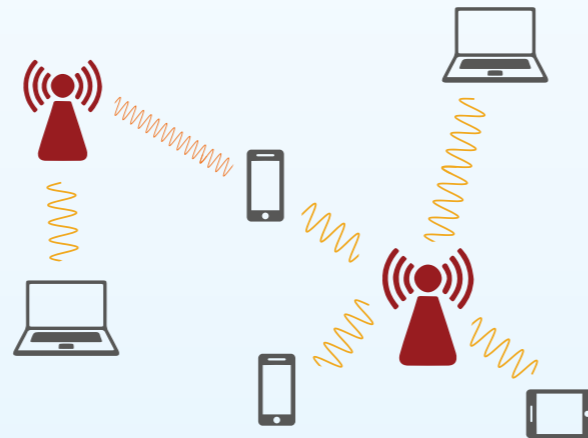


### ◀ SHOWCASE 1 Elastic on-demand and end-to-end wireless connectivity service provisioning

Demonstrating the use of virtualized networks, in which the network architecture is dynamically arranged, while the end user is moving, by negotiating with the most suitable base stations along the mobile end user's path, to provide connectivity and delivering the service while the end user is within a reachable coverage range.

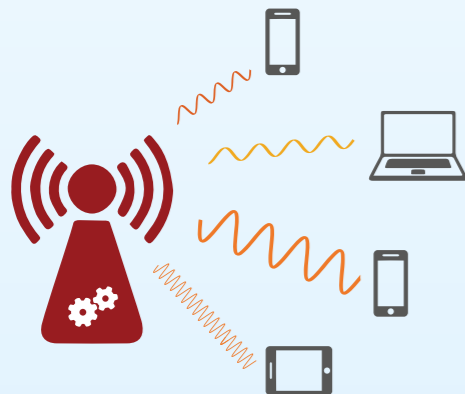
### SHOWCASE 2 ▶ Elastic resource sharing in dense heterogeneous and small cells

Demonstrating that run-time intelligent planning and scheduling with context knowledge can significantly optimize the sharing of resources (frequency, time, ...) and hence improve the connectivity and meet the application requirements.



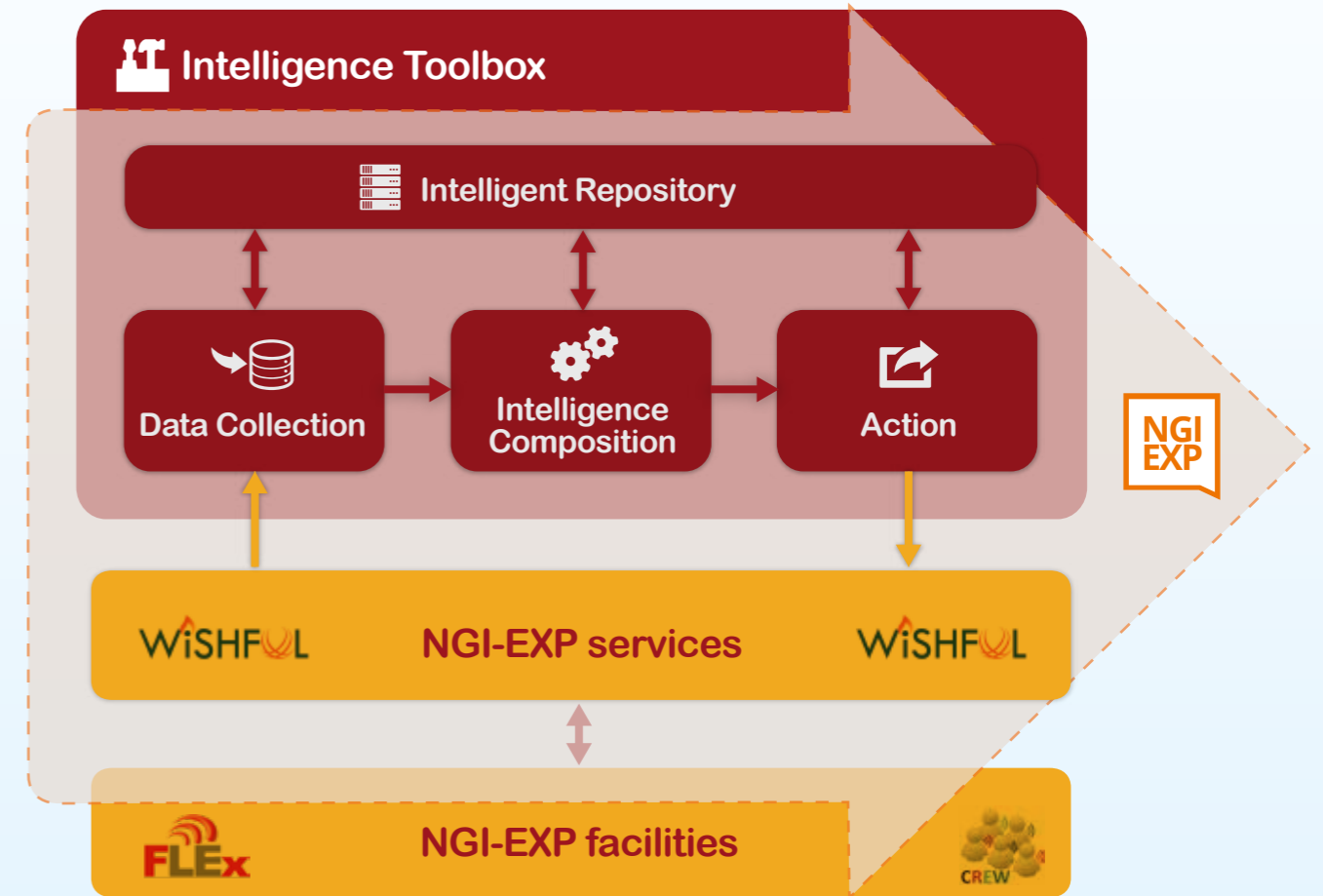
### ◀ SHOWCASE 3 Open and reconfigurable physical layer for context-based service provisioning

Demonstrating the use of intelligence at the physical layer to meet applications requirements in a dense deployment scenario, addressed by switching between different waveform parameters and frequencies, coexisting with legacy systems, like LTE; implementation in several signal processing platforms.



## Builds on top of NGI-EXP and extends it with intelligence components

The algorithms resulting from the research performed for the three showcases will be added to the eWINE Intelligence Toolbox.



The result is a flexible and adaptive wireless system running on top of the Next Generation Internet experiments (NGI-EXP) facilities that demonstrate the eWINE objectives of elastic wireless networking.