Celtic-Plus Event
28-29 April 2016, Stockholm

IoT² = IoT-Square

Denis ROUSSET
Com4Innov
Operational Director
denis.rousset@com4innov.com

Teaser

Inter Operability Test of Internet of Things

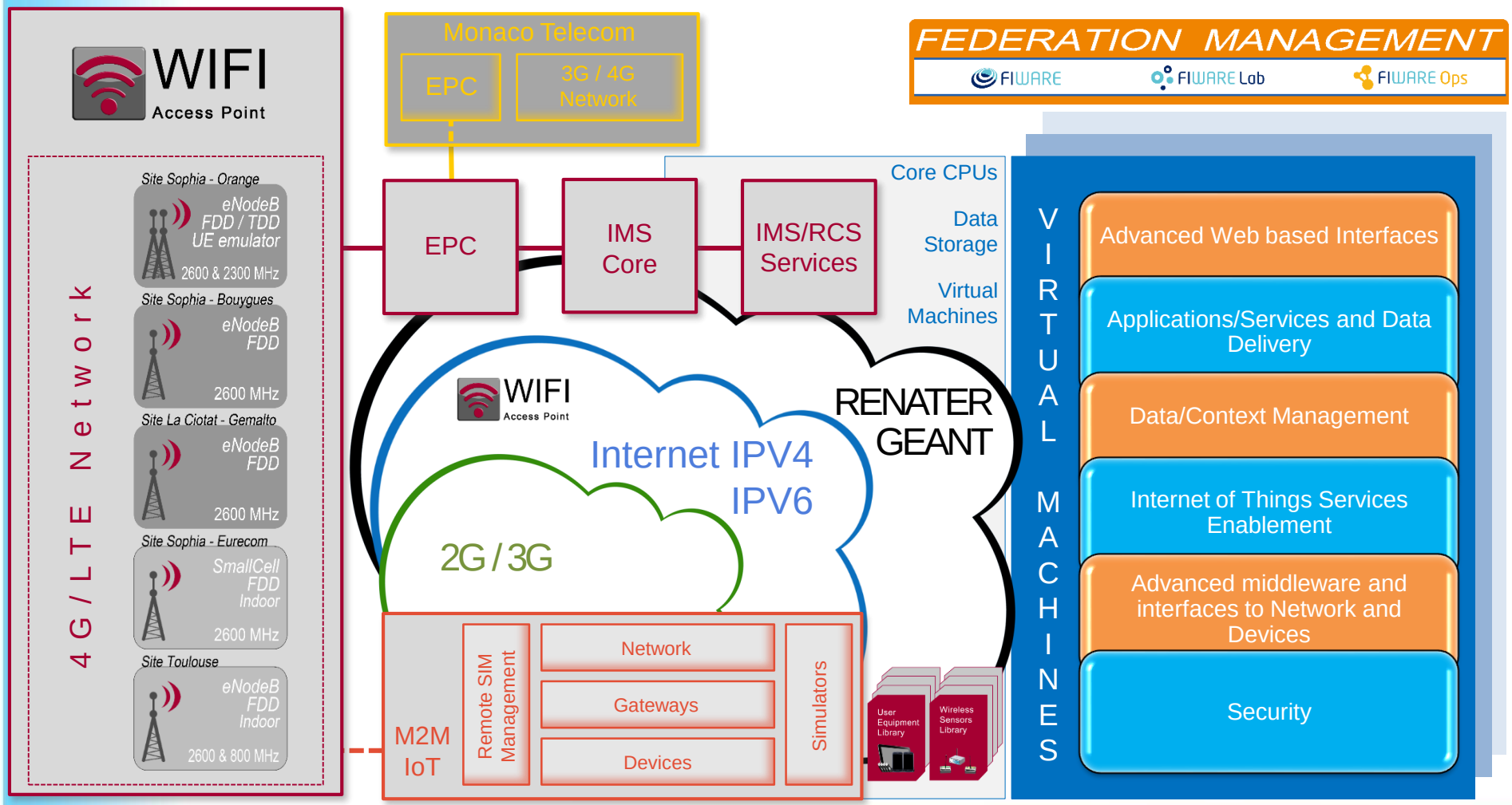
- Connected objects will use any mean to send data stream to gateways and/or concentrator nodes
- The end-to-end connectivity needs high expertize but the use case would target companies with expectation on their market but no specific knowledge in Telecom
- Supporting any industry to find system solutions without any prerequisite in the telecom is the first objective of this proposal
- Keeping solutions agnostic of the physical radio channel will require to run Interoperability Test in the IoT
- Keeping data available will require semantic standardisation

Organisation Profile

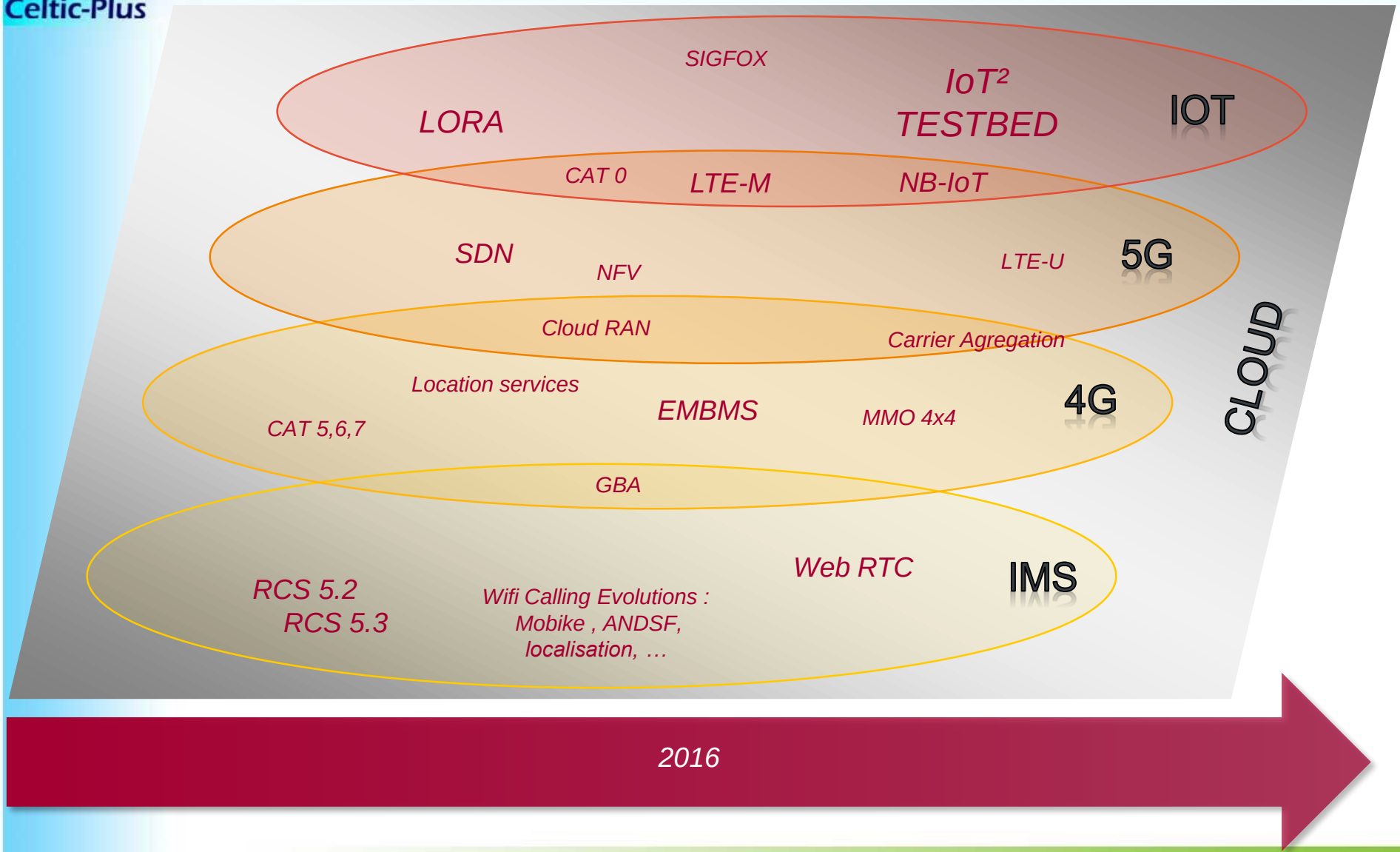
- **Com4Innov** is an exclusive kind of environment, with unique resources and technical expertise, providing a configurable and stand-alone testbed. Com4Innov set-up includes **a full-scale 4G/LTE/WIFI Calling network, an IMS/RCS applicative infrastructure and services, M2M/IoT sensors and applications components, the latest LTE & IMS user equipment,** measurement and simulation tools, remote SIM Cards services and 3GPP compliant preparing 5G implementation. As one centre of the **FIWARE Lab European laboratory for the Future Internet,** Com4Innov has capacities in the areas of Cloud Hosting, Virtual Machines, Big Data Management and Security. Com4Innov is also contributing to a European H2020 project « FIESTA » whose goal is to provide an experimental infrastructure with tools, techniques, processes and best practices enabling IoT operators to interconnect their facilities in an interoperable semantic way. Very short info about the profile of your organisation

- 8 employees - Creation in 2011

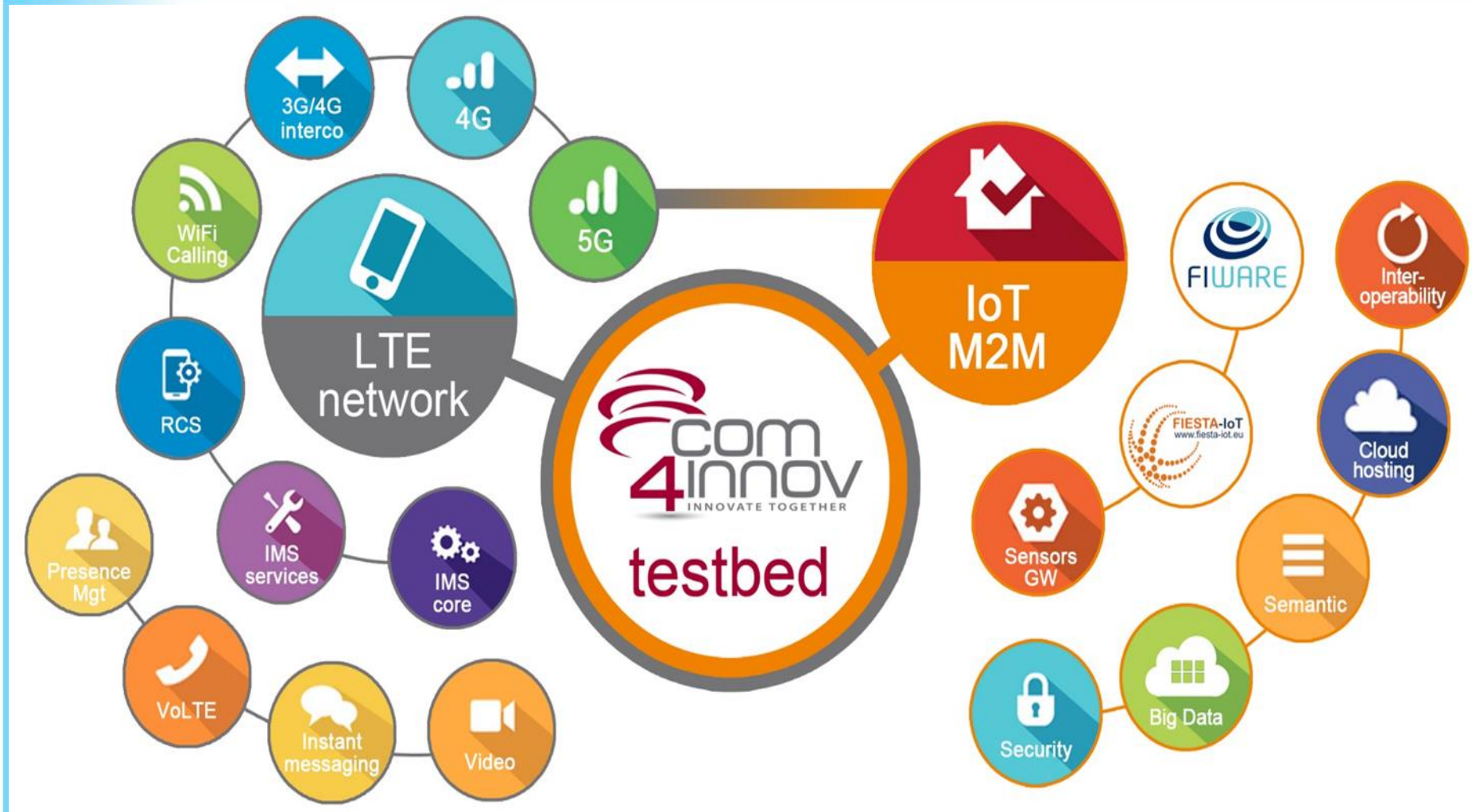
A fully Operational 4G network embedded in a Datacenter supporting a FIWARE Lab node



Forecasted Evolutions 2016



Proposal Introduction (1)



Proposal Introduction (2)

- Diversifying radio access connecting objects for Massive IoT deployment is mandatory to face Billions
- Cellular IoT will be the foundation for Massive IoT but not the only one to cover all use cases
- Key challenges:

  Avoid congestion of the network with billions of connections

  Low cost, extra long battery life, extended coverage

  Aggregation of diverse Radio Access Network requirements

  Interoperability of the sensors technology

  Interoperability of the semantic of different data stream

Partners

Not yet existing consortium

Expected partners

- System Integrator
- Radio Access Network
- Configuration Management
- Gateway provider
- Users and Experimenters

Any Countries are welcome

Contact Info

For more information and for interest to participate please contact:

Denis Rousset
Com4innov Director
denis.rousset@com4innov.com

+33 6 16 30 36 72

www.com4innov.com