

Smart Cities and the Co-Creation Paradigm

IoT Week 2017

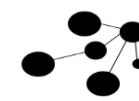
7th June 2017, Geneva (Switzerland)

Prof. Luis Muñoz

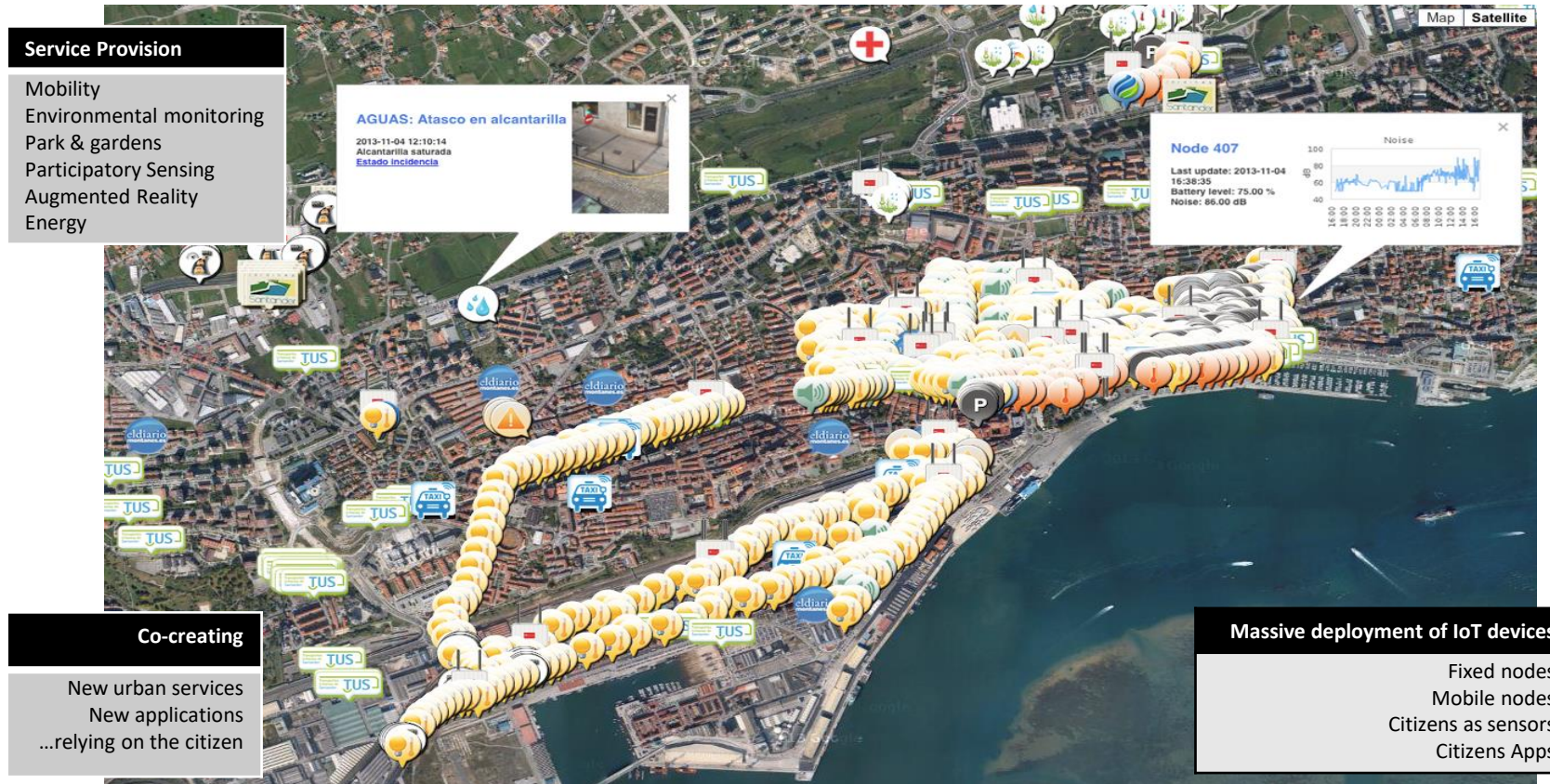
University of Cantabria

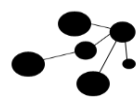
luis@tlmat.unican.es





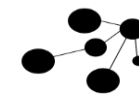
SmartSantander IoT Infrastructure





City-scale deployment



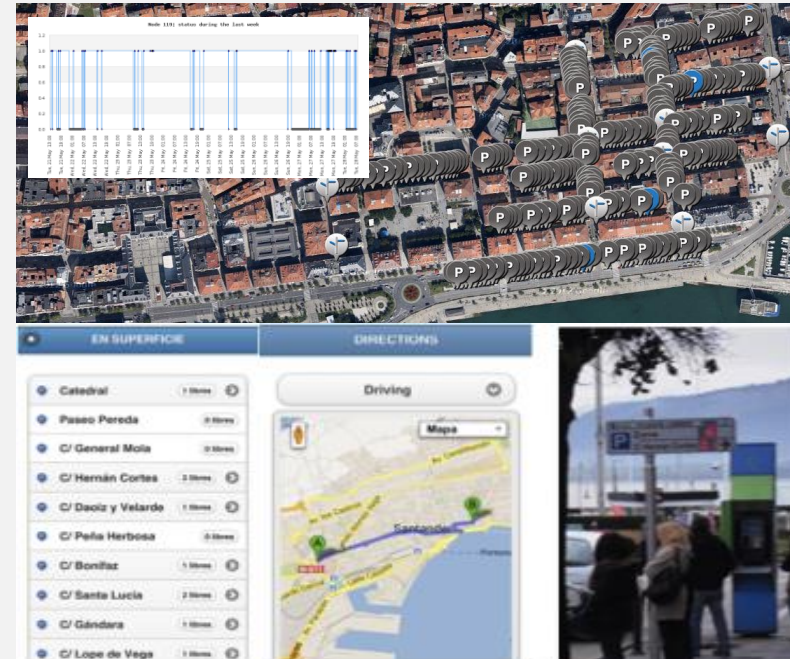


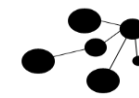
On Street Parking Management

Sensors & Panels installation

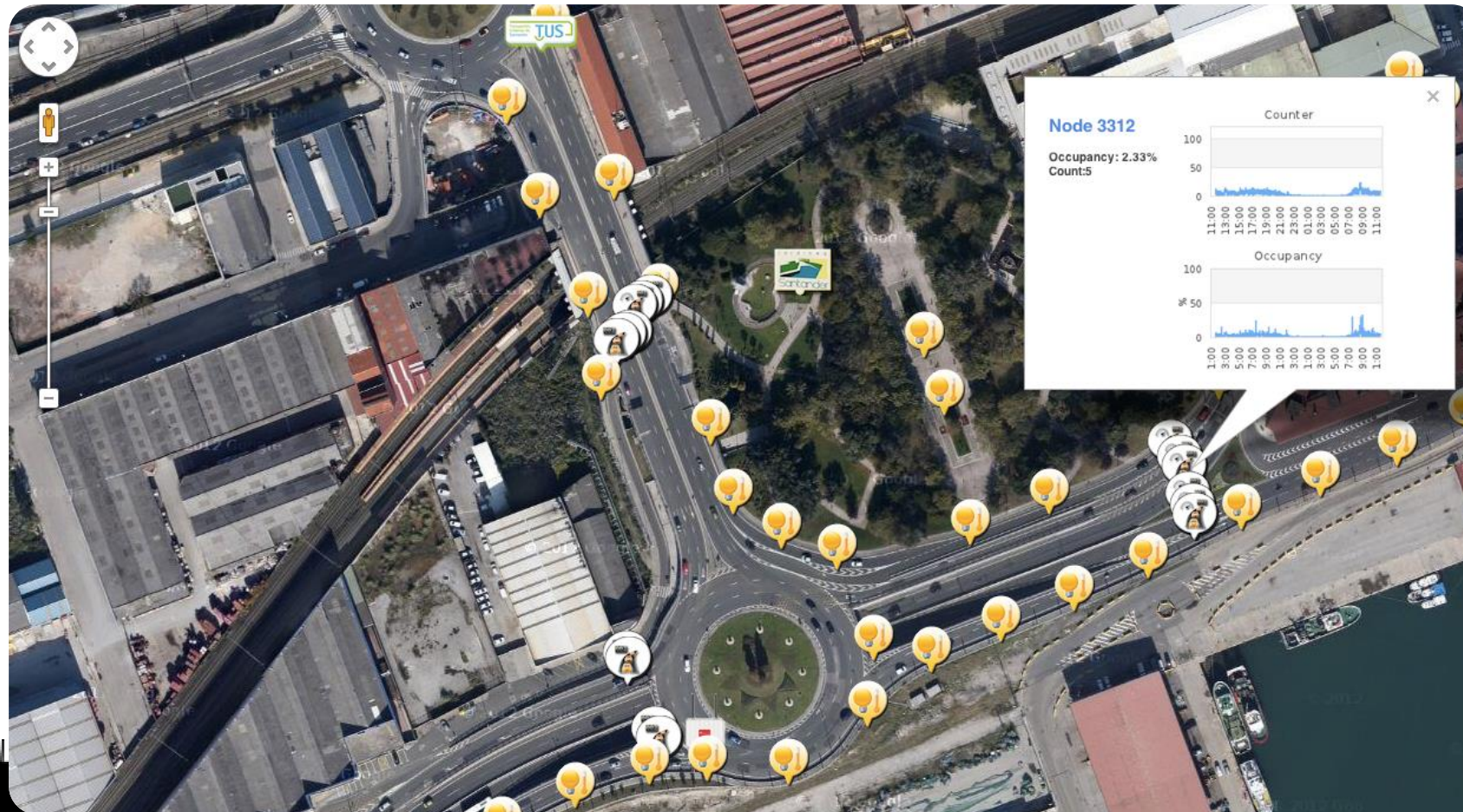


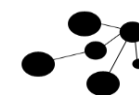
Service Provision & Monitoring





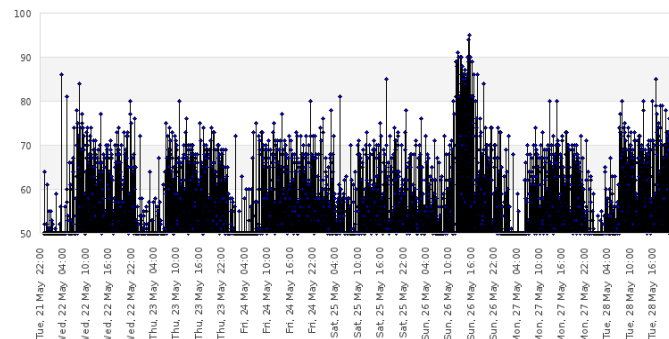
Traffic intensity monitoring



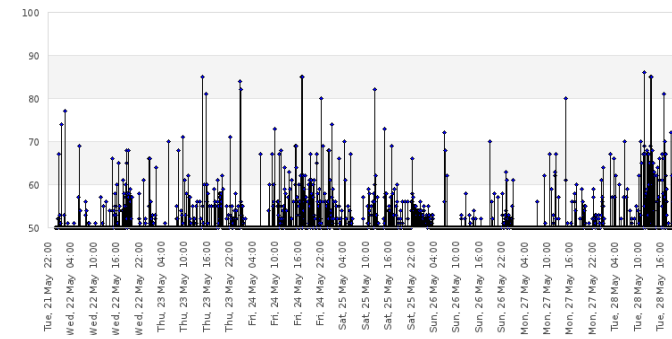


Noise Monitoring

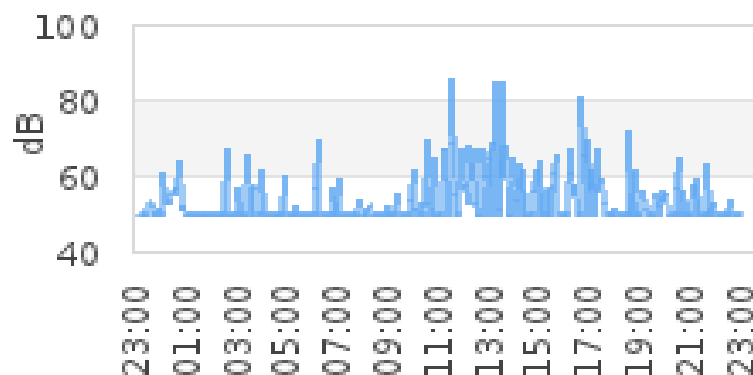
Node 388: status during the last week

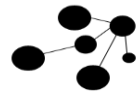


Node 237: status during the last week

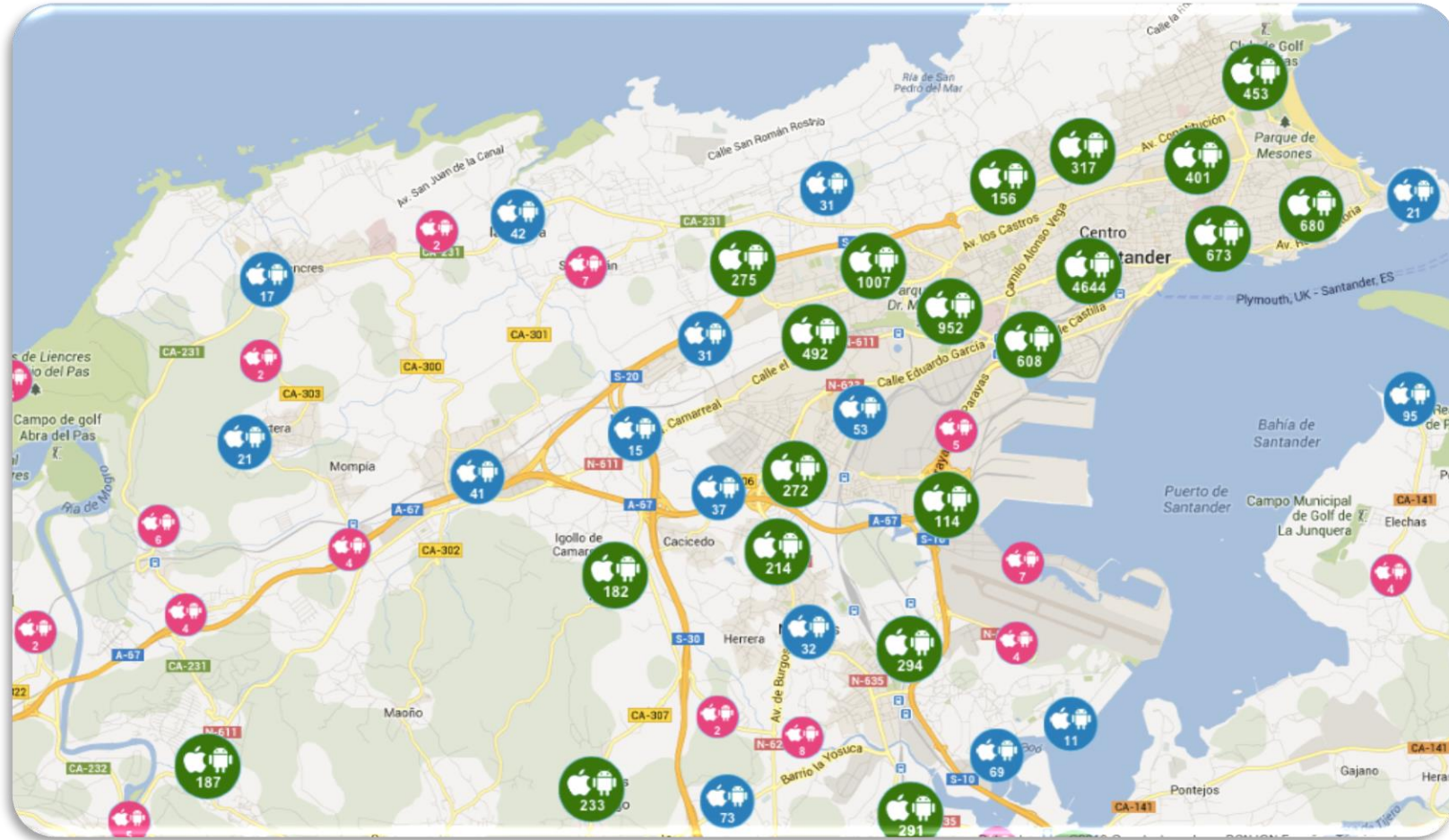


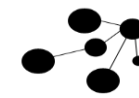
Noise



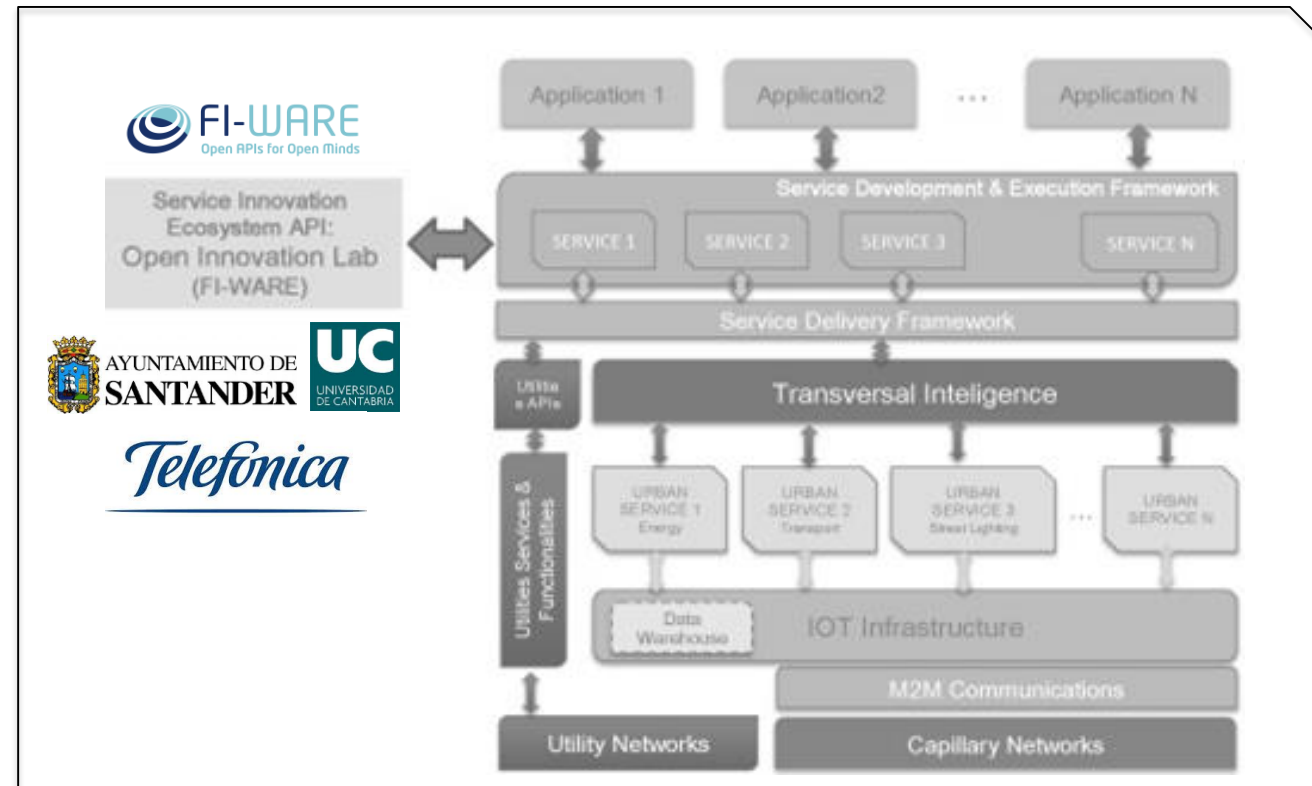


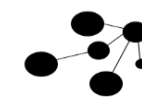
Participatory sensing





The Urban Platform

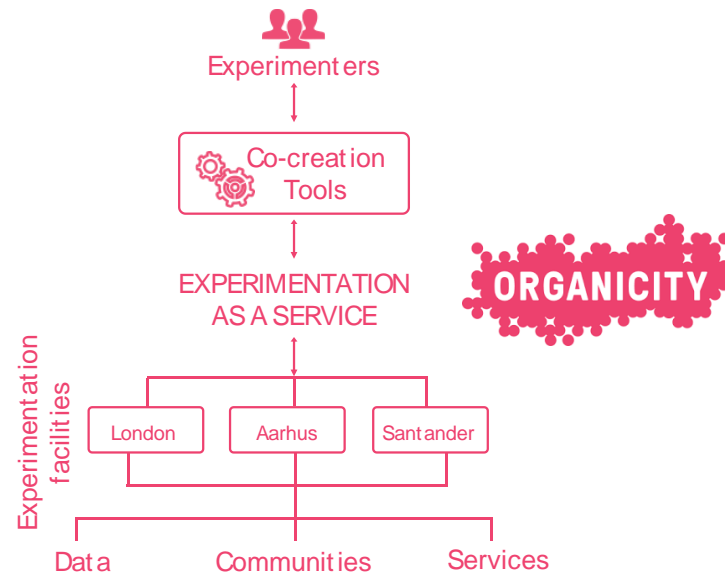


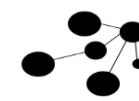


Co-creating the City of Tomorrow

Experimentation as a new urban service (EaaS) to be delivered by the city

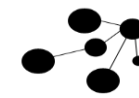
- Lead by the citizen
- Palette of tools



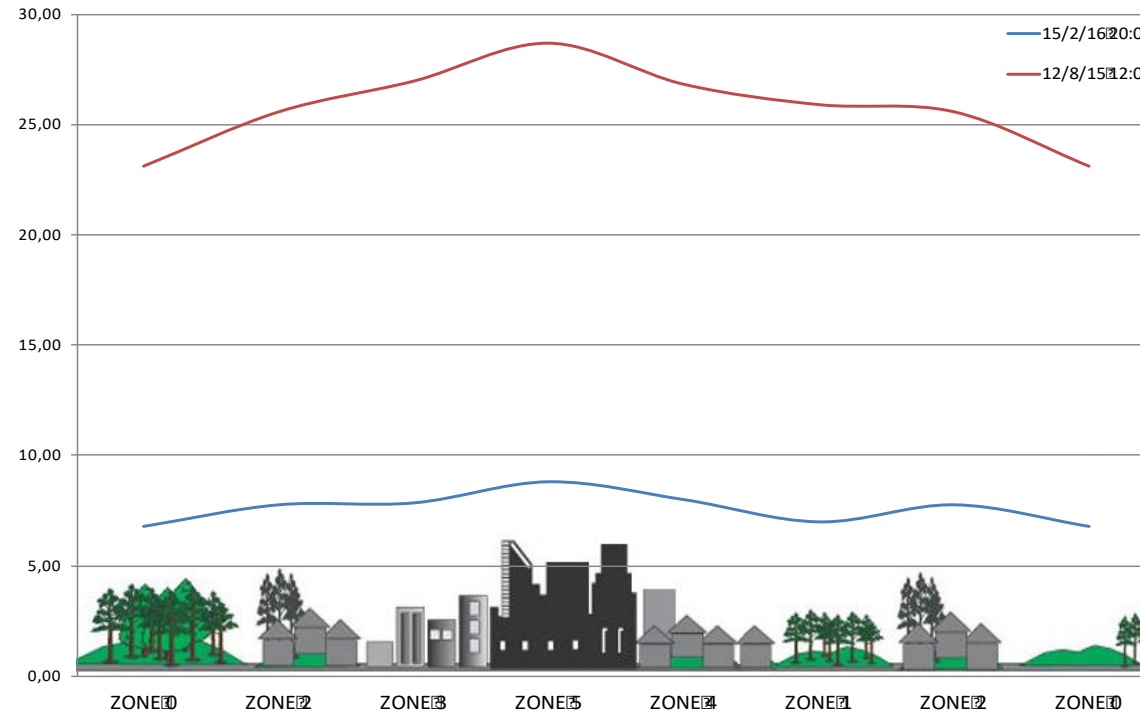


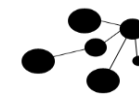
Co-Creation: Urban Heat Island Effect





Urban Heat Island Experiment Results

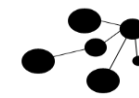




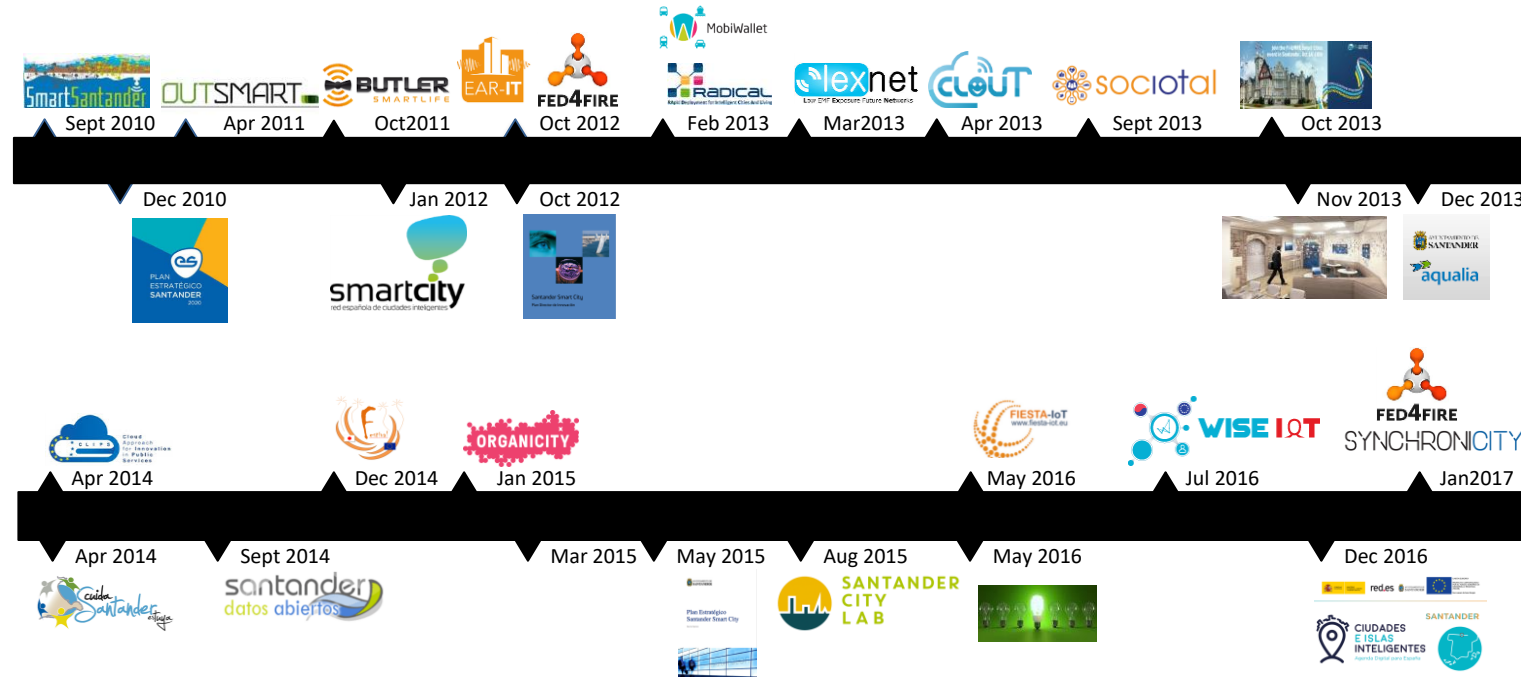
The Digital Single Market Paradigm

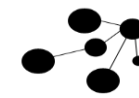
- Overcoming both vendor and city lock-in
 - Fostering Northbound and Southbound APIs
 - Urban services roaming in a seamless way
- Fostering a data marketplace
 - Encouraging high value data sources

! New business models which reshape traditional urban ecosystems!



Looking Ahead





Contact



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