

CISMOB – Cooperative Information platform for low carbon and sustainable mobility

Águeda, April 7th, 2017

PAC 2020 MobiWise: from mobile sensing to mobile advising

INSTITUIÇÕES ASSOCIADAS



UNIVERSIDADE DE COIMBRA



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instituto de
telecomunicações

Project Details

Period:

01/Jan/2017 – 31/Dec/2019

Total Budget:

~2.5 M€

Consortium:

IT - Instituto de Telecomunicações

Network Architectures and Protocols – IT-Aveiro

Radio Systems – IT-Aveiro

Networked Systems – IT-Porto

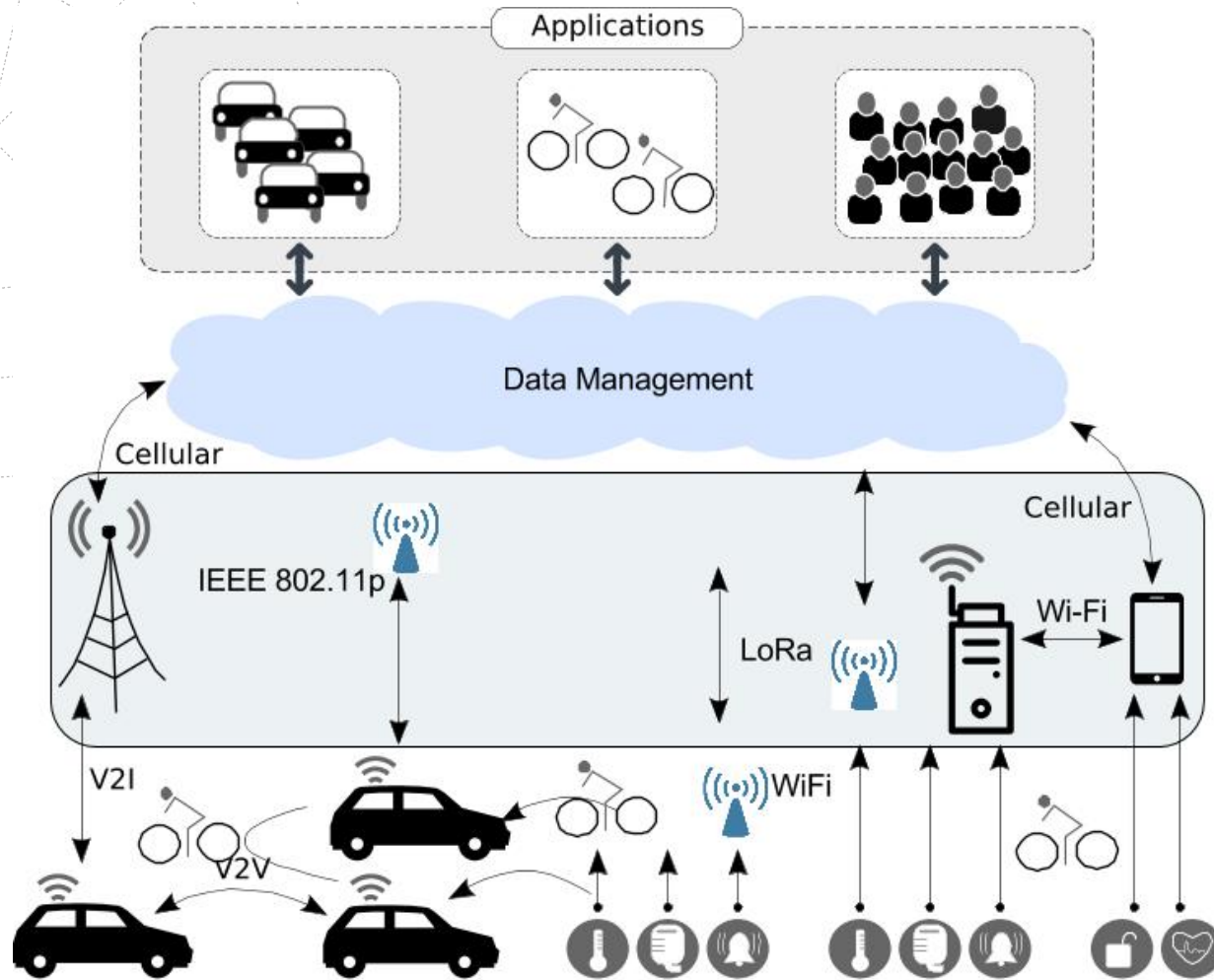
CISUC – The Centre for Informatics and Systems of the University of Coimbra

CMUC – The Centre for Mathematics of the University of Coimbra

TEMA – Centre for Mechanical Technology and Automation, University of Aveiro

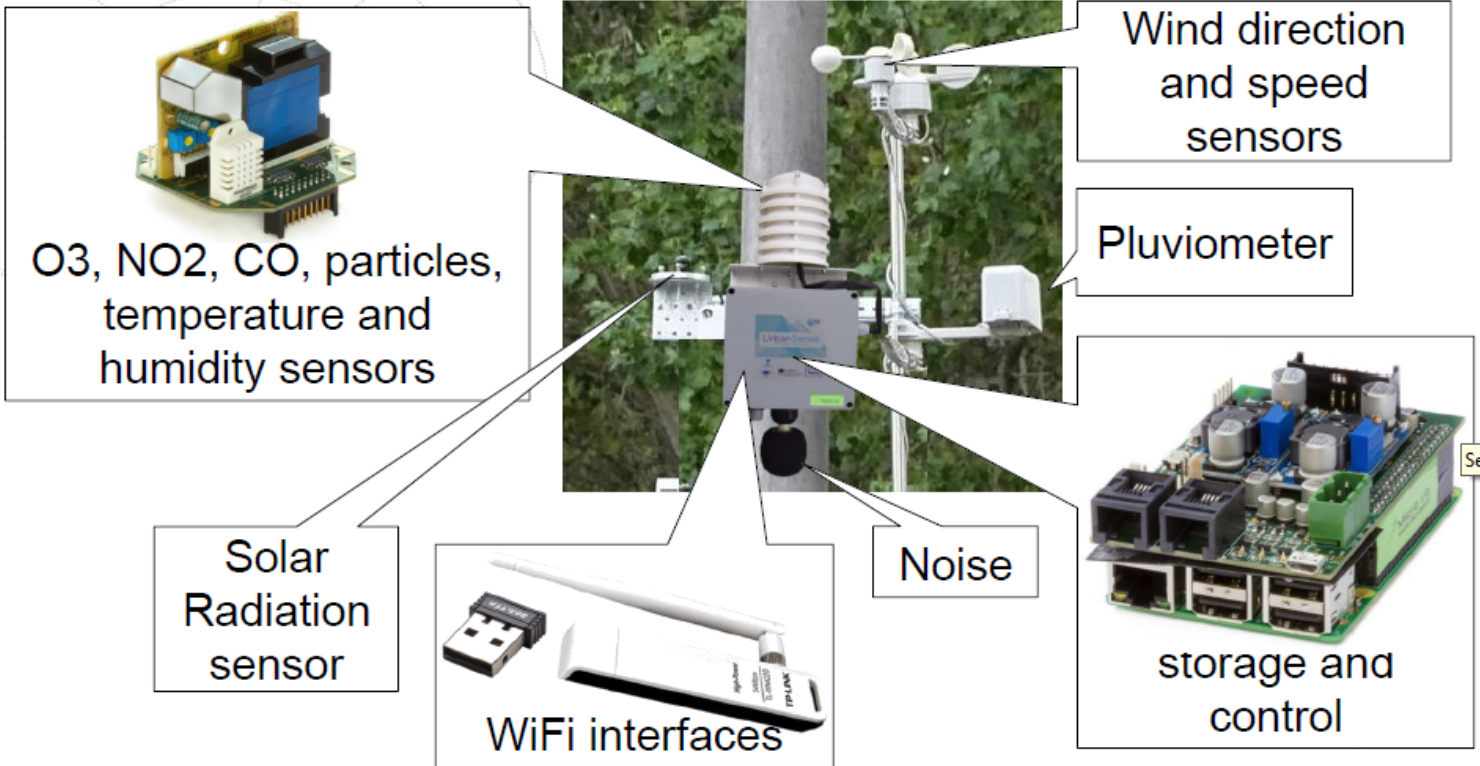
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MobiWise: 5G platform for IoT



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Sensors



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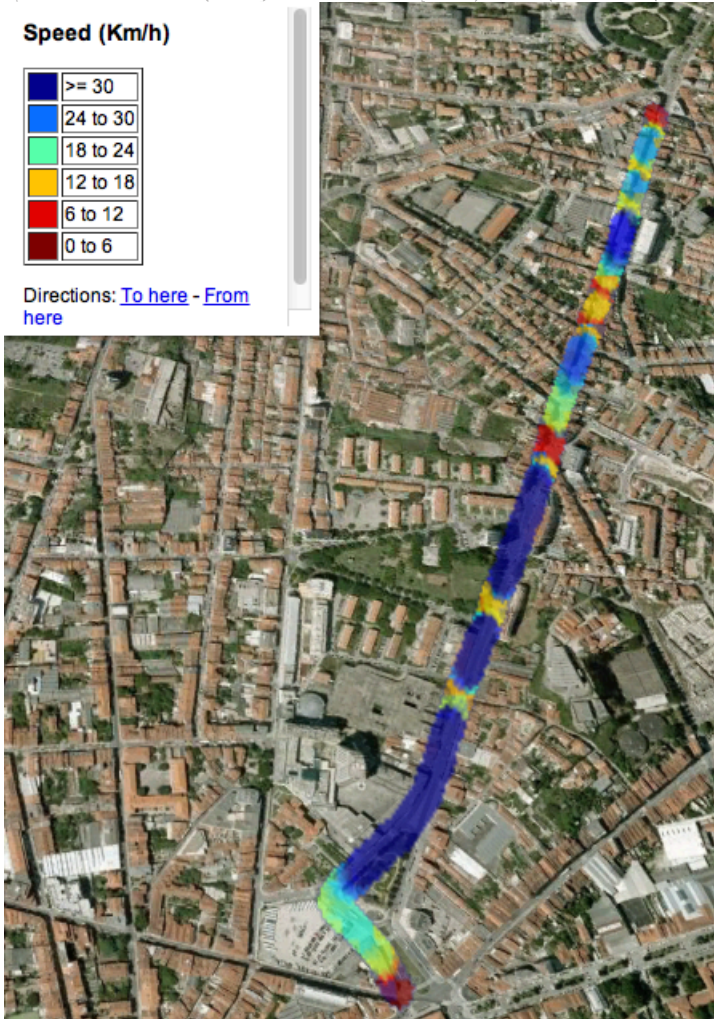


Transportation: CISMOB point of view (1)

Speed (Km/h)

>= 30
24 to 30
18 to 24
12 to 18
6 to 12
0 to 6

Directions: [To here](#) - [From here](#)



Transportation: CISMOB point of view (2)



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Initial Testbed



LoRa Sink (Rx)



DCU (DTN node)



RSU



OBU



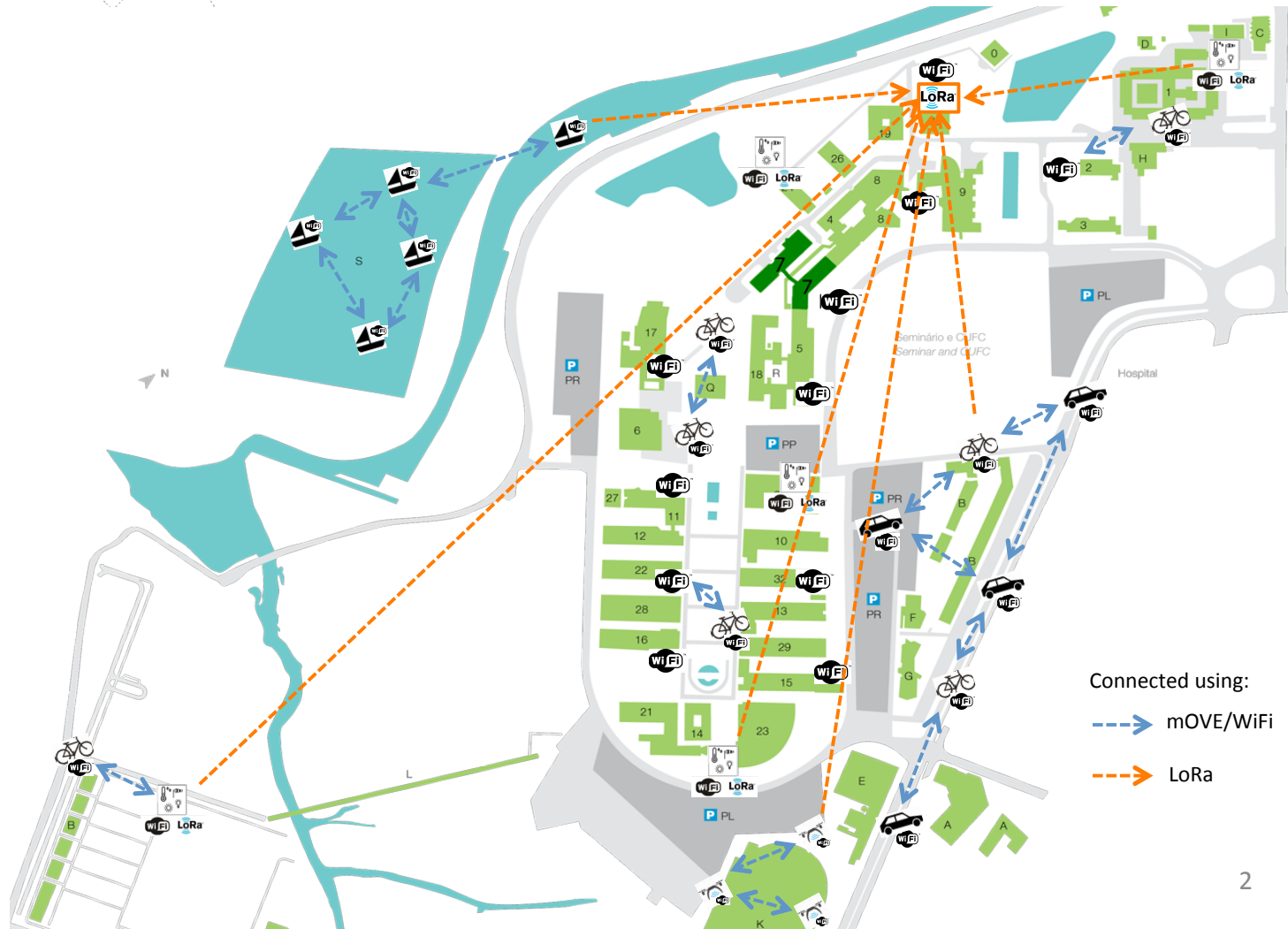
Bicycle (Drone)
1 with LoRa



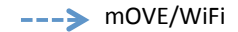
Boat (Drone)
1 with LoRa



Aerial (Drone)
1 with LoRa



Connected using:



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Stakeholders Engagement

Municipalities

Porto

Áveiro

Águeda

Institute of Mobility and Transportation

Porto Bus Company (STCP)

Associação Porto Digital

Telco and IT Companies

Ubiwhere

wavecom

Evoleo

Veniam

Portugal Telecom Inovação e Sistemas (PTInS), now Altice Labs

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