

# **Workshop on Ethics and Inclusiveness for Telecommunications Engineers**

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# Current activities



**Susana Isabel Barreto de Miranda Sargento**  
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Professor Catedrático



**Susana Isabel Barreto de Miranda Sargento**  
Senior Researcher



**SUSANA SARGENTO**

Founder

Prof. University of Aveiro,

European Union Woman Innovator of 2016

## GROUP / NETWORKS ARCHITECTURES AND PROTOCOLS

### Networks architectures and protocols

- Members
- Laboratories
- Publications
- Projects
- Patents
- Awards
- Theses
- International Collaboration
- Positions
- Local Branches

### Group coordinator:

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Networks architectures and protocols

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### Scope of activities

Research activities include the development of protocols and strategies to scale internet inter-domain routing, theoretical and experimental studies on the structure and dynamics of complex networks, reliable algorithms for data transport for live streaming, VoIP and IoT sensors, different levels of implementation of



European Commission



## ○ Technology



READY

# University of Aveiro (5 years degree)





# Rice University



# PhD



# University of Porto

- Leading Research and Education
- Computer Networks group
- Assistant Professor

# University of Aveiro

- Strong research
- Many new projects
- Jun 2009: Drive-IN (CMU-Portugal project on vehicular communications and networks)





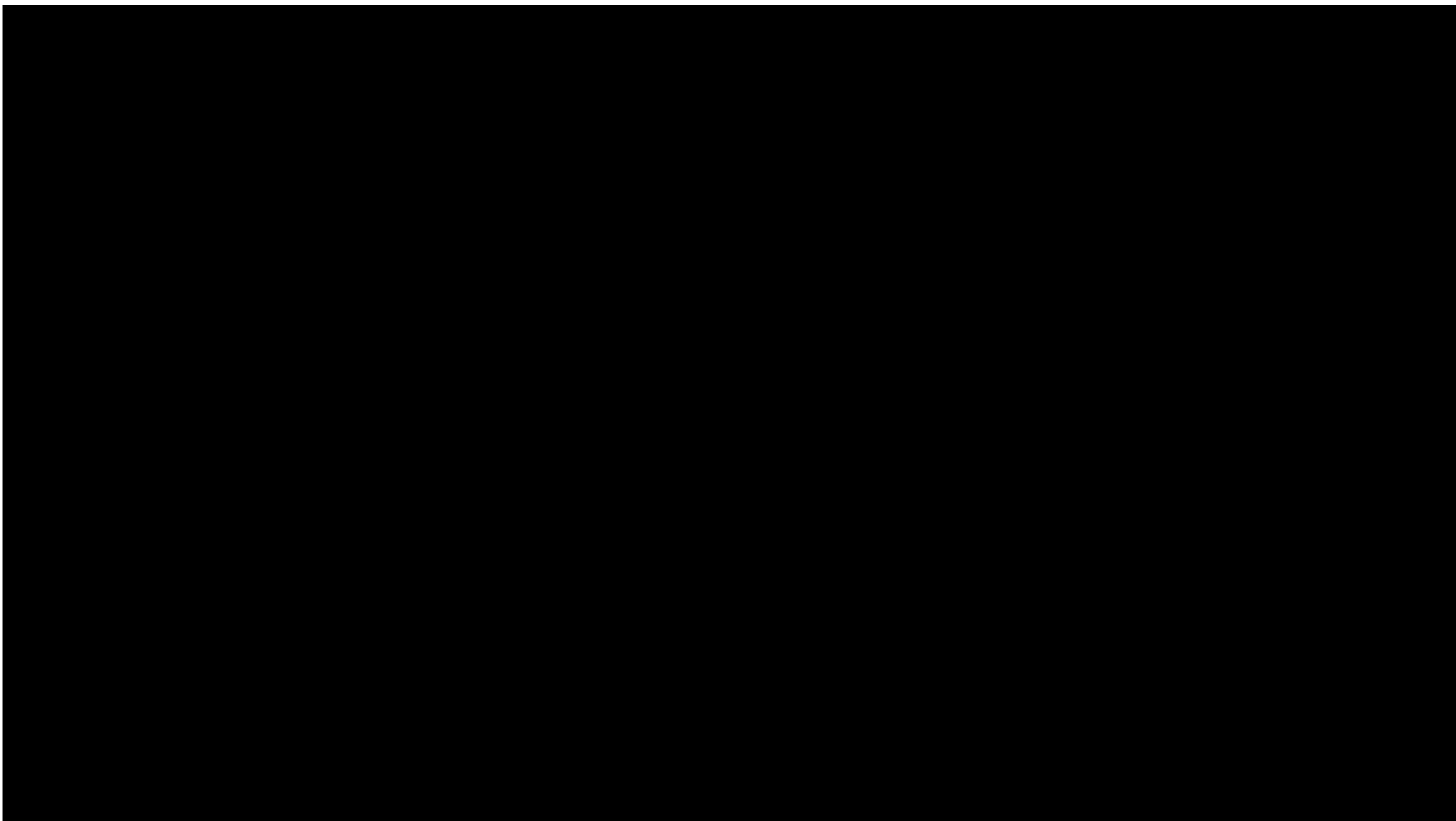
# Start-Up Veniam

- Vehicular communications



# Veniam Founders





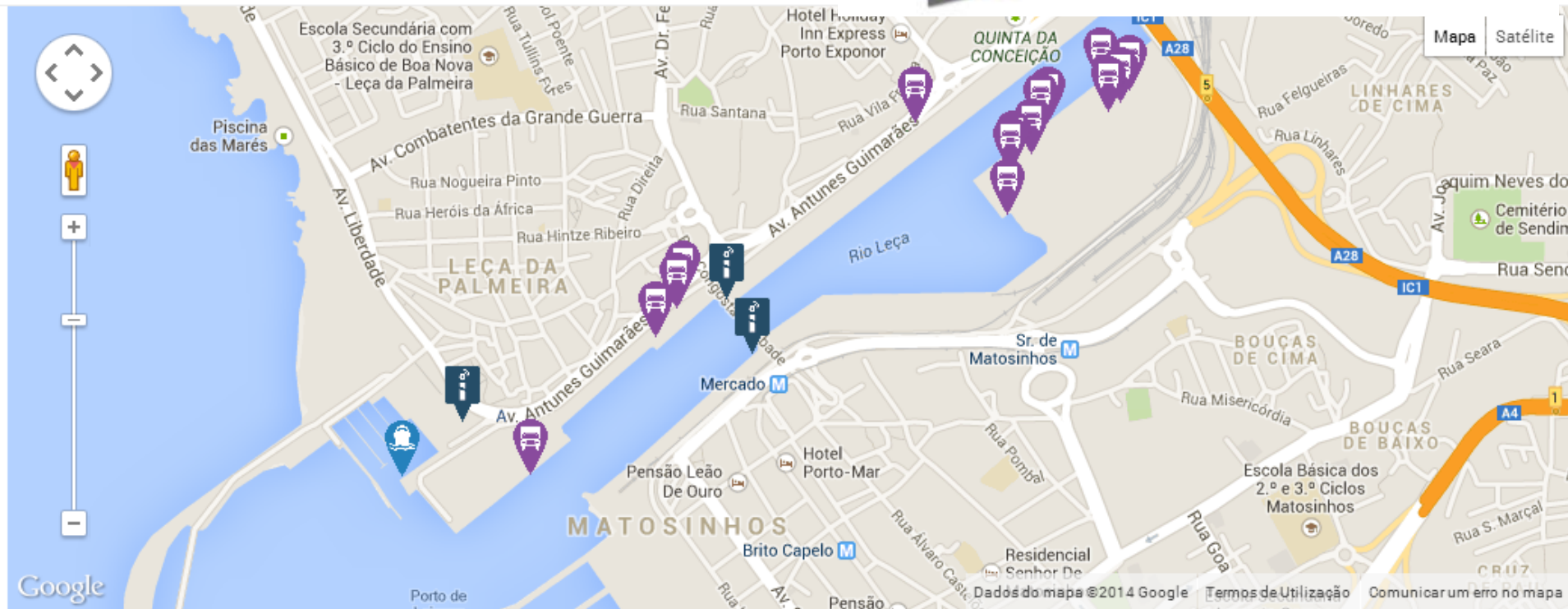
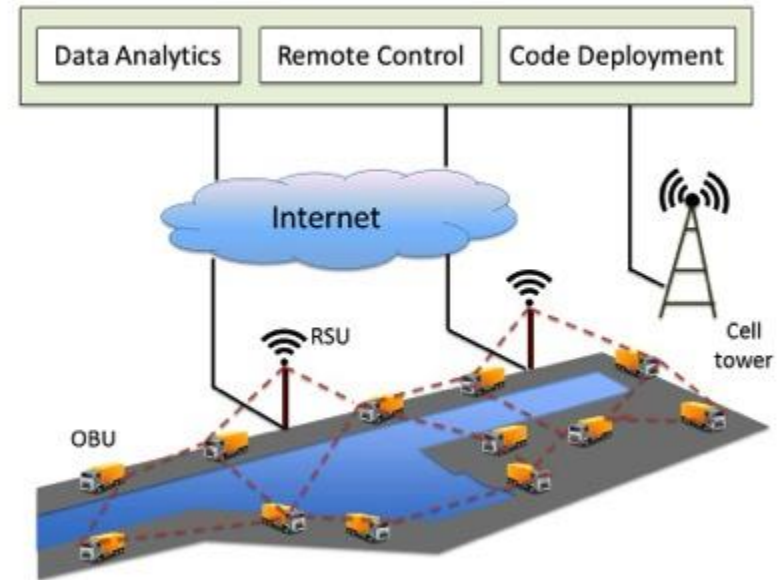
# HarborNet: Small

25 trucks

2 tow boats, 2 patrol vessels

10 road side units

Several plug and play units



Total vehicles displayed (online in the last 2 minutes): 18

[A day in a vehicular network](#)



# CityNet: Large-scale

- Porto: 608 vehicles. 57 road side units. 23 sets of sensors;



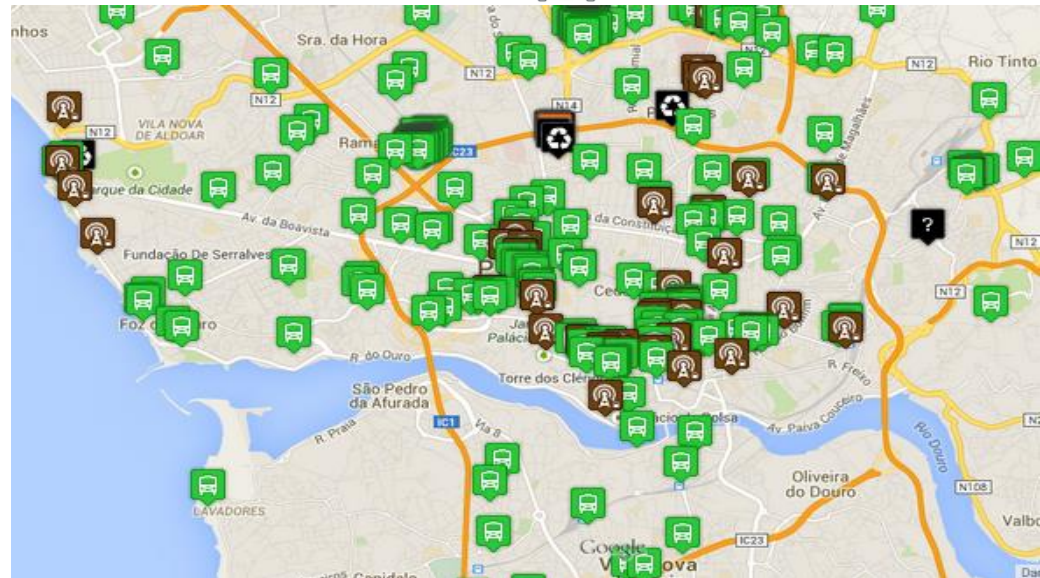
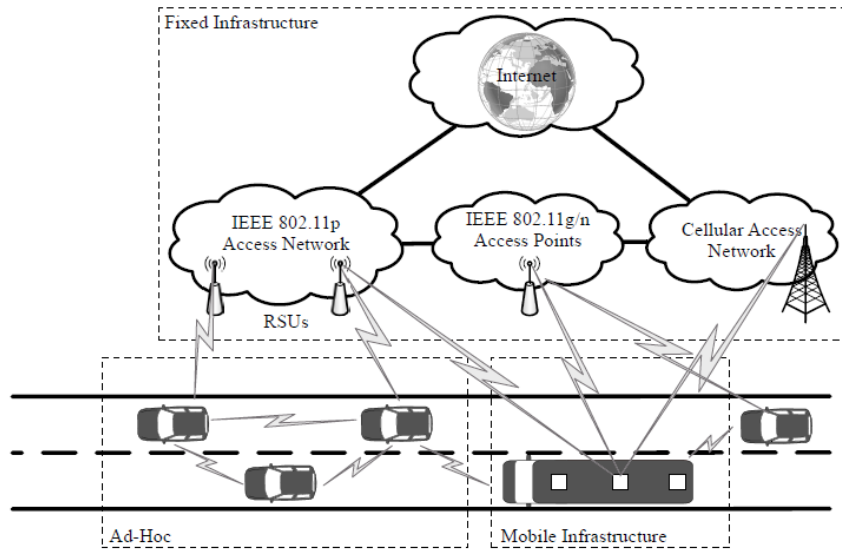
**780.000+**  
UNIQUE WI-FI USERS



**17M+**  
INTERNET SESSIONS



**43M+**  
CONNECTED KM



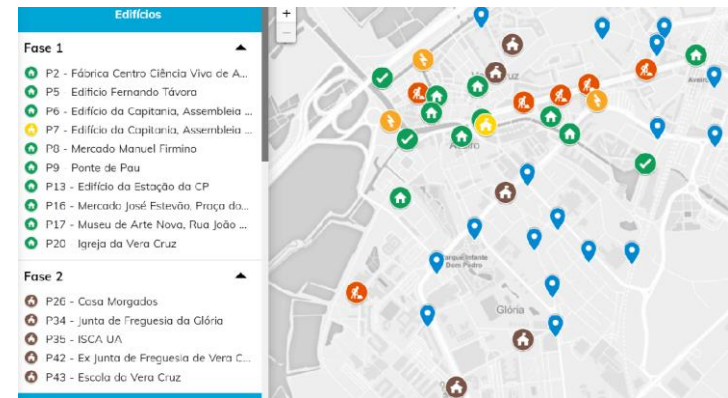
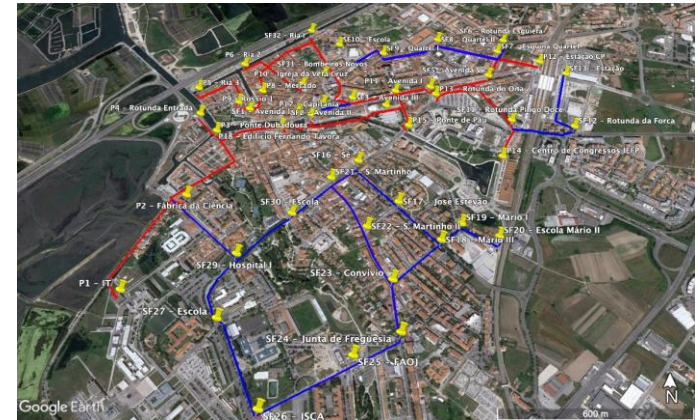
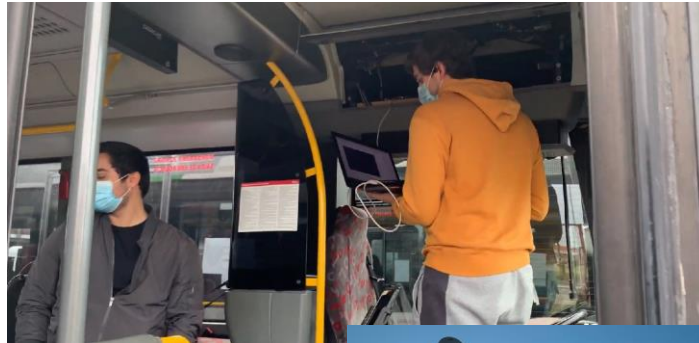
# EU Women Innovators

- Mar 2016: Winner





# AVEIRO TECHCITY LIVING LAB



# Advise to a new Scientist

- Trust in your knowledge and yourself
- Assume your role (don't be afraid of others' opinions)
- Work hard and overcome the challenges
- While time goes by, results will come, and you will be recognized as a great professional.



# Architectures and Protocols



# Researchers tell their experience

Muito Obrigada!

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