



# MobiWise

## from mobile sensing to mobility advising

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UNIVERSIDADE DE COIMBRA



# Project Details

## Period

Jan 2017 – Dec 2019

## Consortium



instituto de  
telecomunicações



universidade  
de aveiro



cmuc

Centro de Matemática  
Universidade de Coimbra

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universidade  
de aveiro

4<sup>th</sup> main CISMOB Interregional event in Centro Region

2 Aveiro, March 7<sup>th</sup>, 2018



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# Project Details

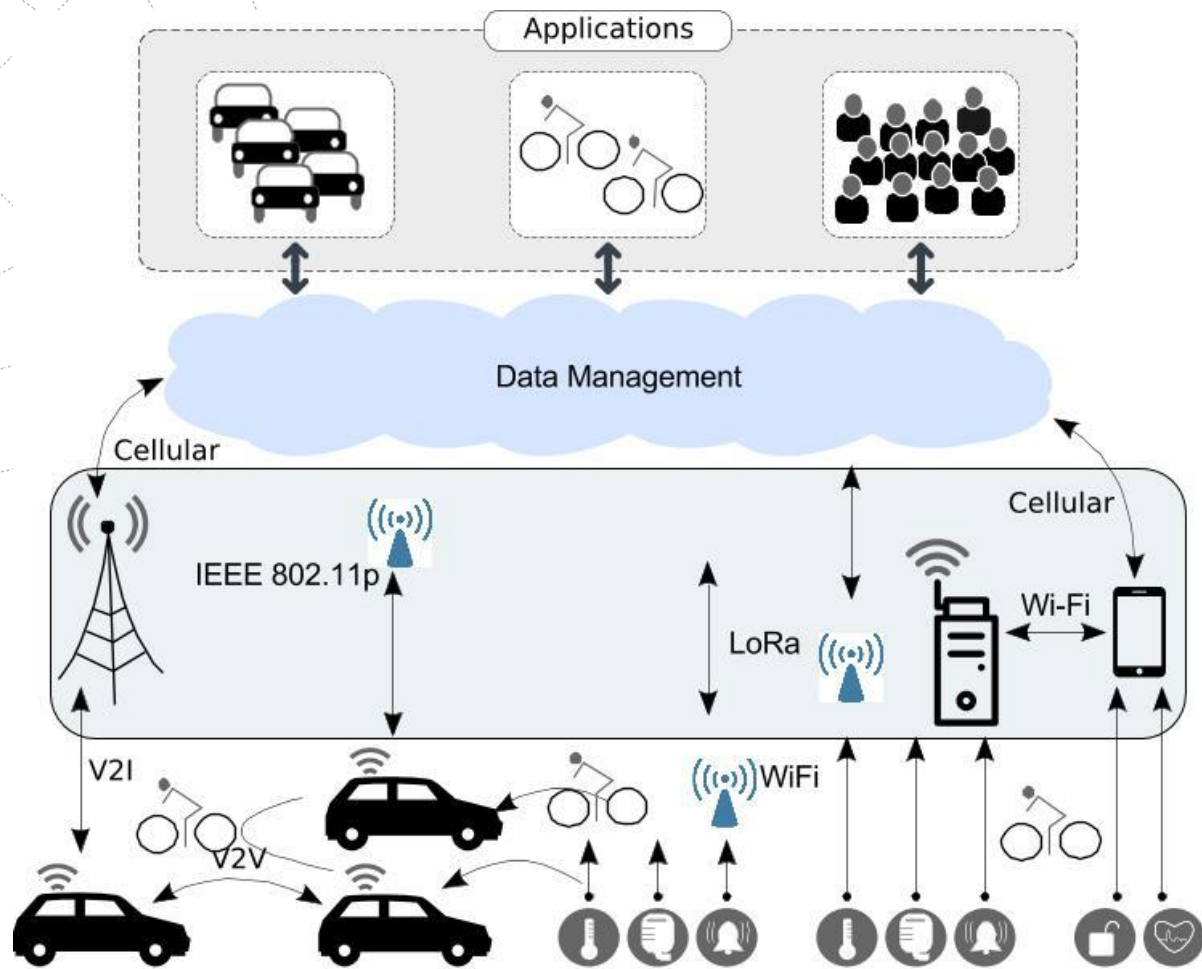
## Main Objective:

“MobiWise will build a (5G) platform that encompasses the access infrastructure filled with **sensors, people and vehicles**, to improve **mobility** in the cities, both for **commuters** and for **tourists**. The project will **connect any sensor, person and vehicle**, and will use all possible information to improve the **user mobility**, through a complete **network** and services platform for an **Internet of Things** real deployment in a **smart city**.”



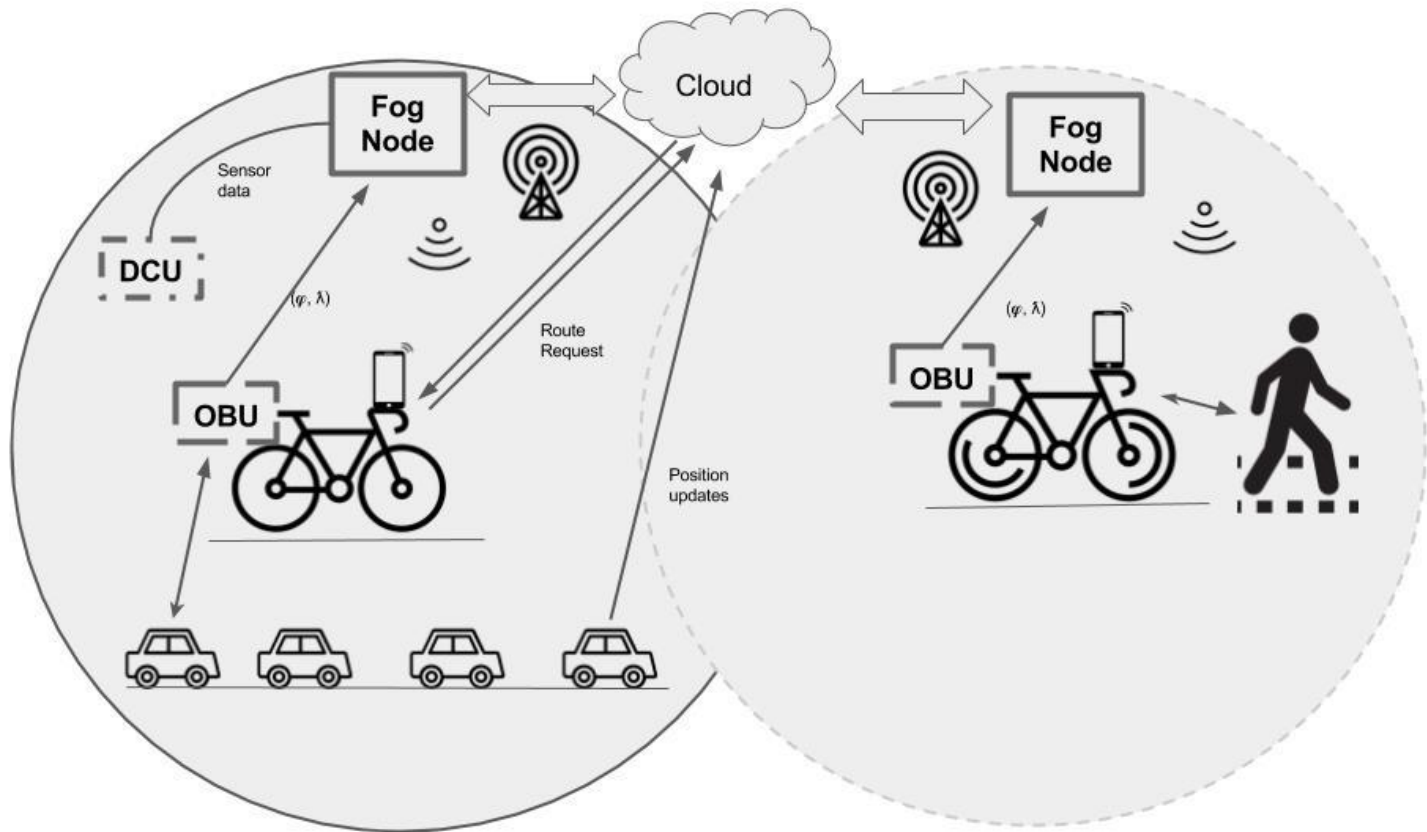
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# Big Idea



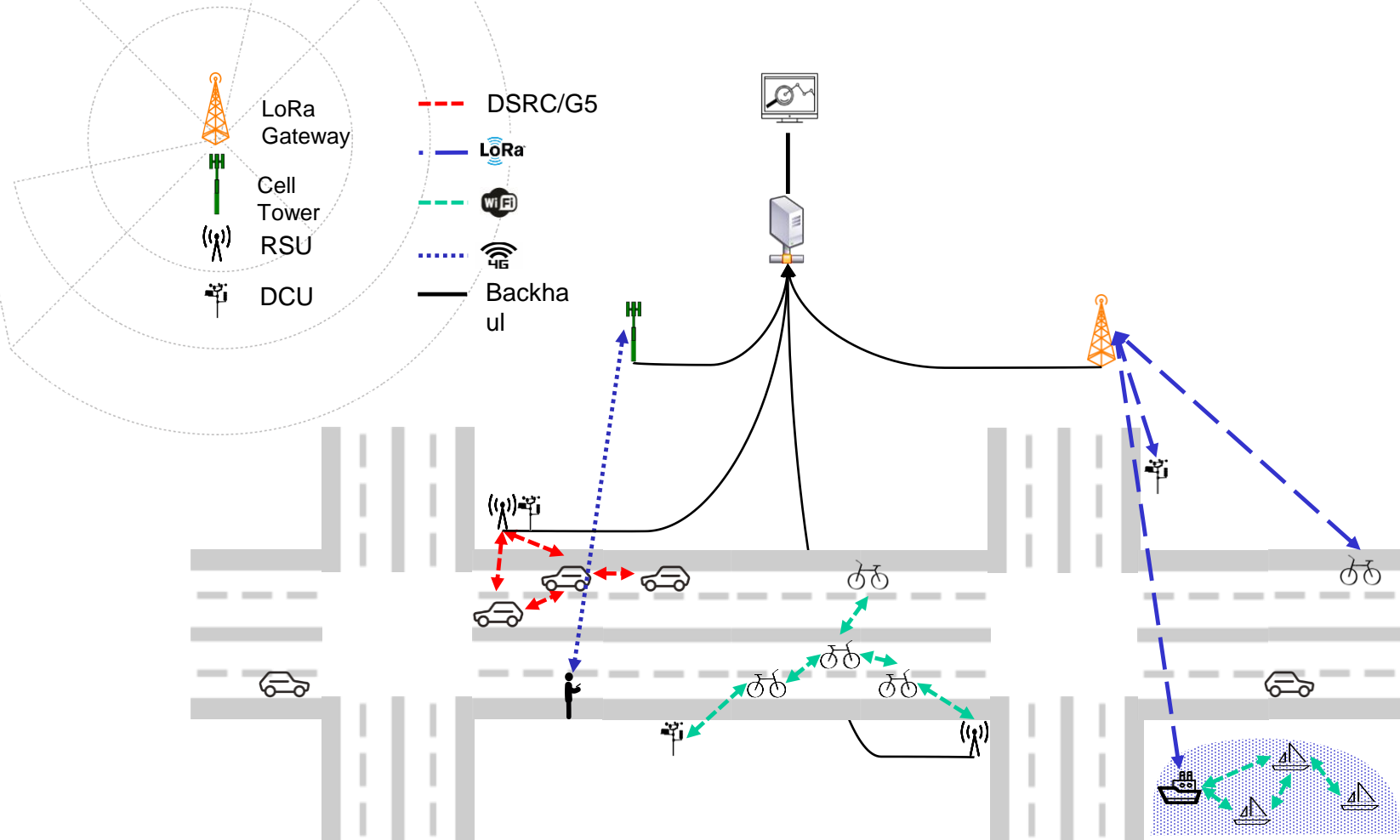
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# Use case: eco-routing



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# A multi-technology sensing mobile network



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# Not from scratch



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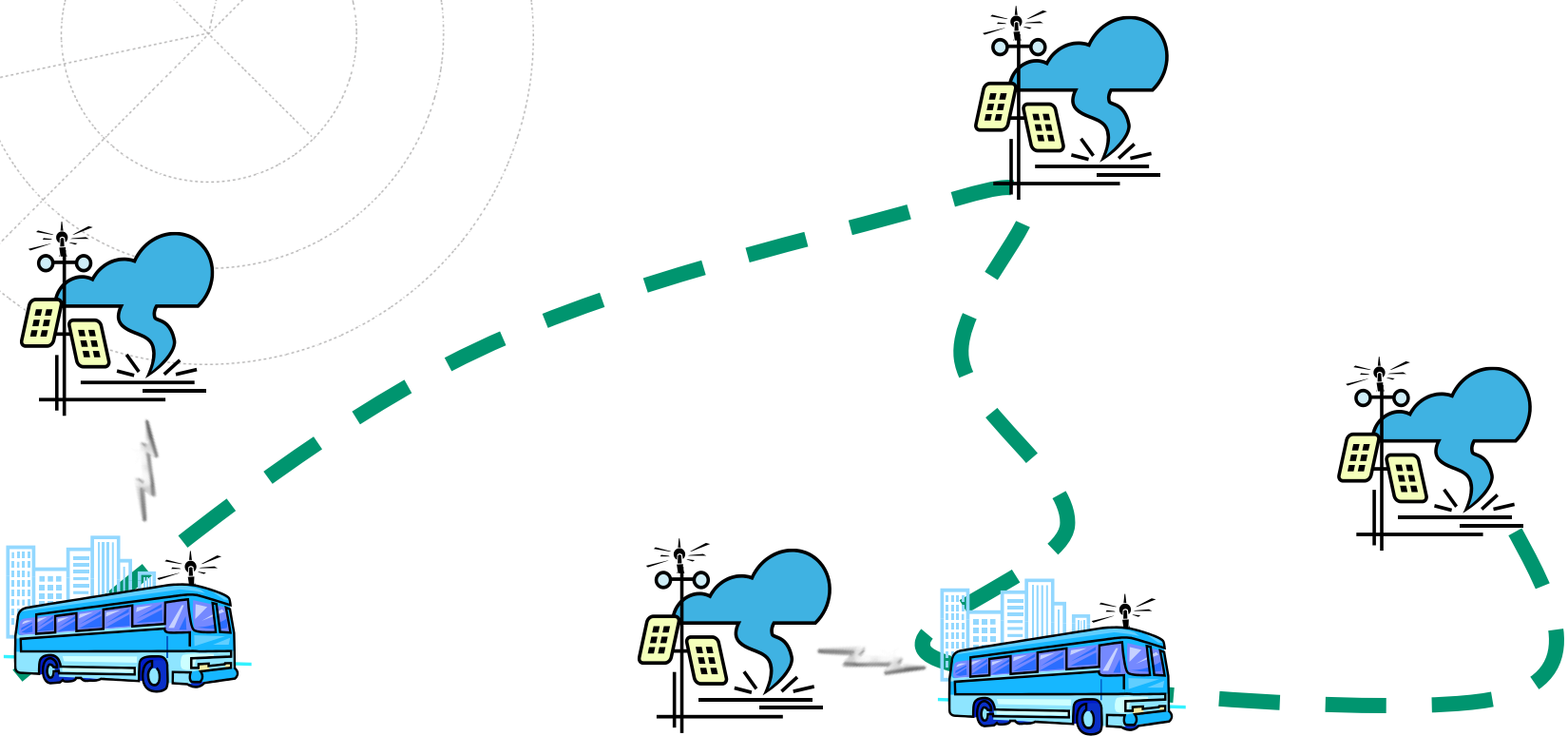


**4<sup>th</sup> main CISMOB Interregional event in Centro Region**

**7 Aveiro, March 7<sup>th</sup>, 2018**



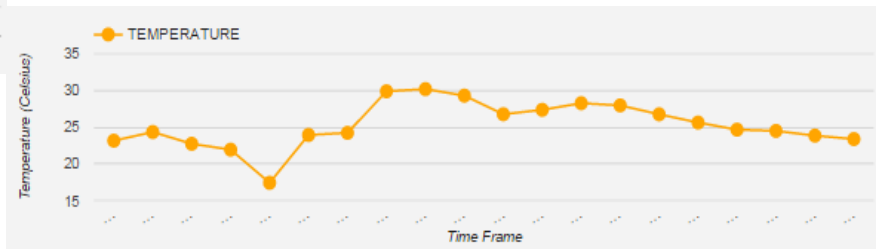
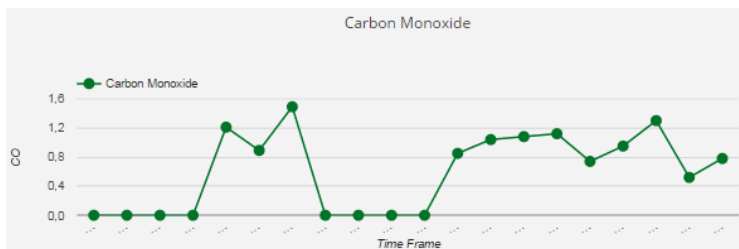
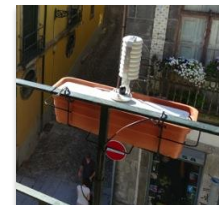
# Sensing the city through vehicular networks



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# Sensing the city through vehicular networks



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9 Aveiro, March 7<sup>th</sup>, 2018



# Sensing the city – MobiWise & Aveiro Open Lab



## Detailed Information

Number	Company
21	Cale do Ouro
Temperature	CO2
23.75 °C	988 ppm
Pressure	Humidity
1022 Pa	40.31
Altitude	Noise
15.6 m	53



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4th main CISMOB Interregional event in Centro Region

10 Aveiro, March 7th, 2018





# o Open Lab



### Detailed Information

Number	21	Company	Cale do Ouro
Temperature	23.75 °C	CO2	988 ppm
Pressure	1022 Pa	Humidity	40.31
Altitude	15.6 m	Noise	53



Moliceiro #1 - flow



Moliceiro #2 - flow



Moliceiro #3 - flow

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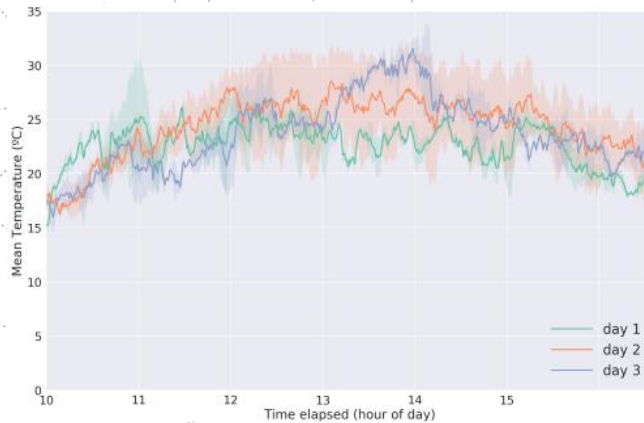


4<sup>th</sup> main CISMOB Interregional event in Centro Region

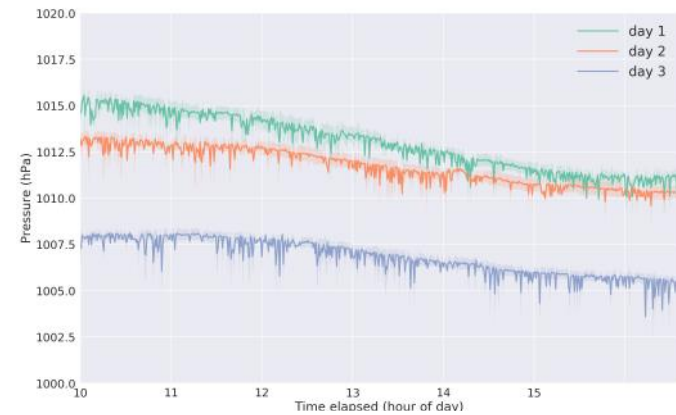
11 Aveiro, March 7<sup>th</sup>, 2018



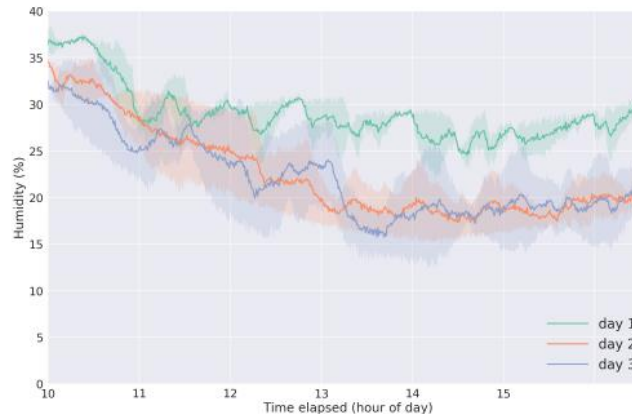
# Sensing the city through vehicular networks



Temperature



Pressure

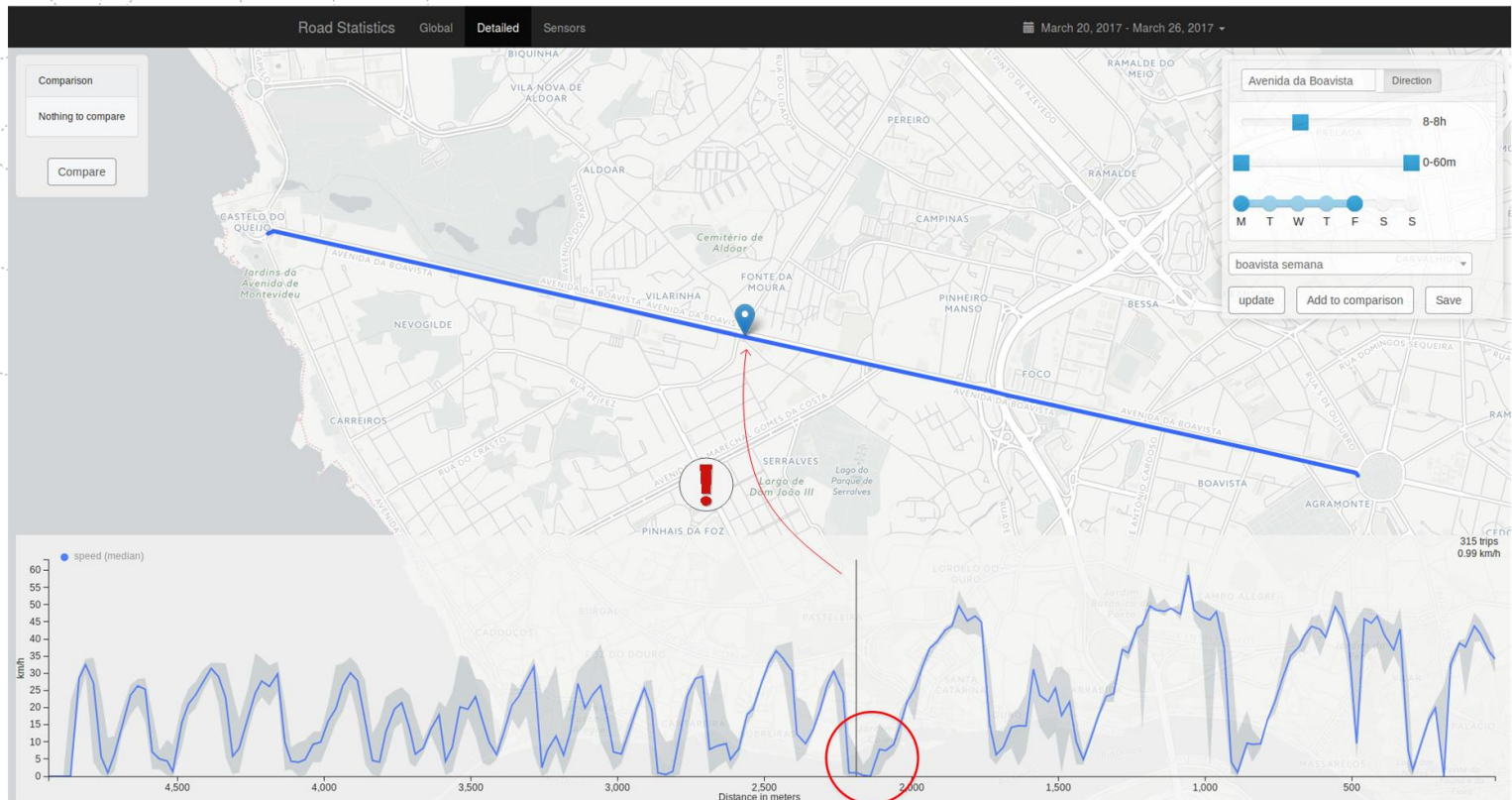


Humidity

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# Next steps: mobility and traffic management



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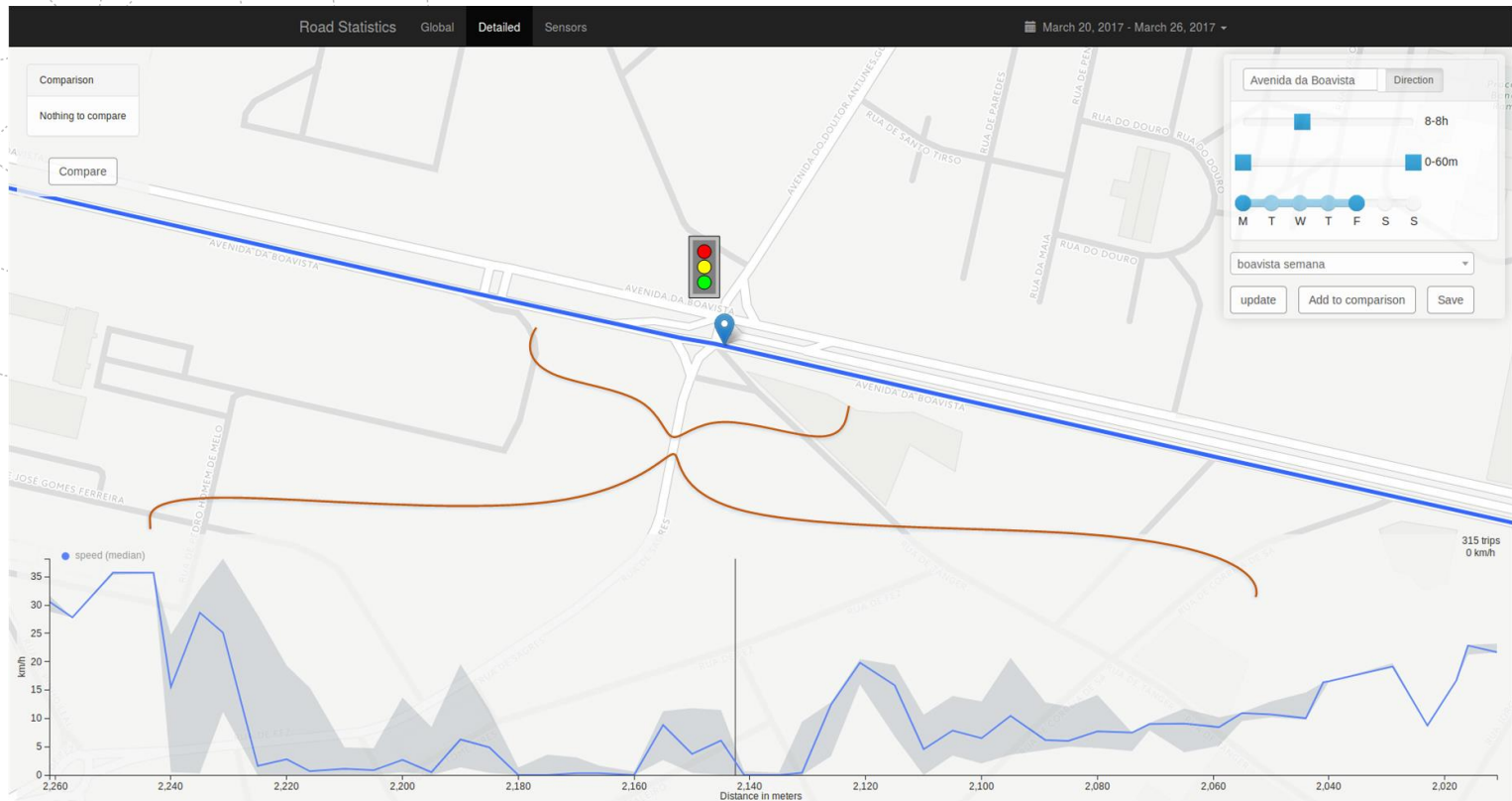
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# Next steps: mobility and traffic management



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