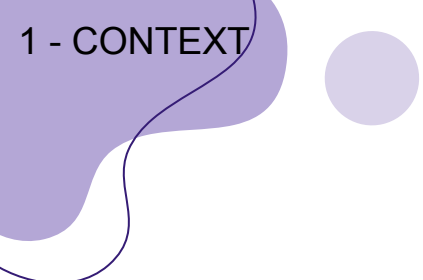


5G MOBILITY

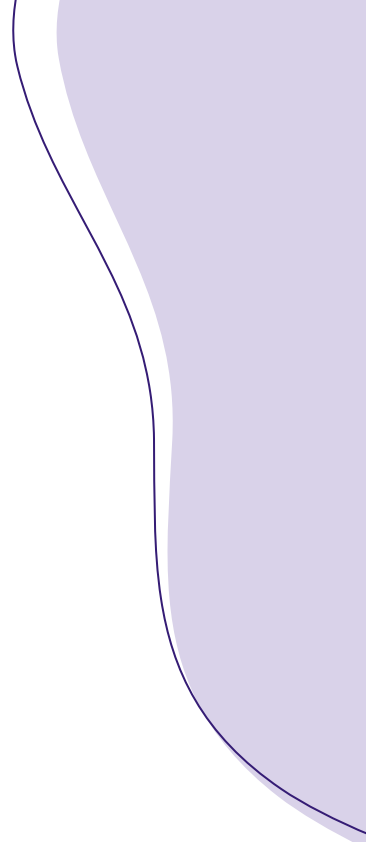
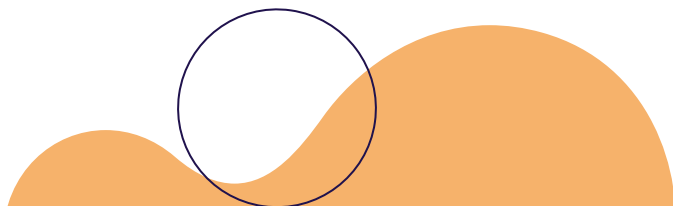
Carolina Araújo	93248
Hugo Almeida	93195
Miguel Almeida	93372
Orlando Macedo	94521

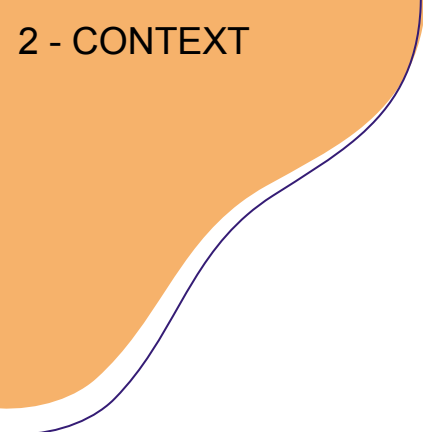




35 704

43 183 with light injuries
2 168 with severe injuries
626 deaths



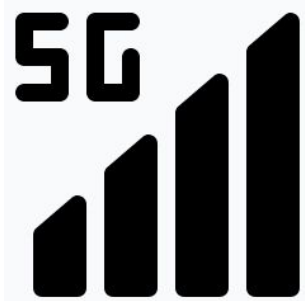


2018

High velocity

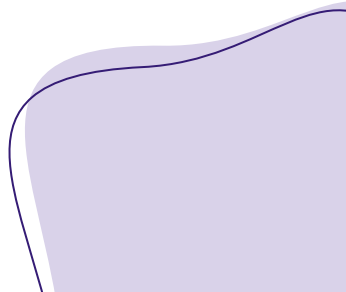
Reliable

Safe

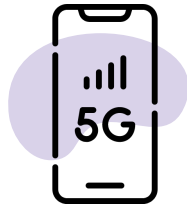


2021

High market opportunity



SOLUTION



MOBILE NETWORK



SAFETY

PROBLEM

Help the corresponding entities to better manage any anomalies.

PASMO
5GASP
5GAIner

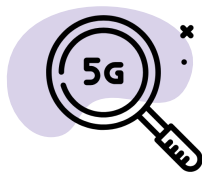


OBJECTIVES



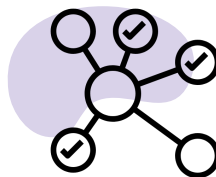
SUSPICIOUS ACTIVITY

Transit, people, animals



DATA ANALYSIS IN REAL TIME

Number of passing
vehicles, number of
vehicles speeding,
monthly average



ELASTICITY

Integrate developed
VNF into 5GASP
testbed



C2I/I2C

Exchange information
between vehicles

ROLES



ADVISOR

Diogo Gomes



CO-ADVISOR

Rui L. Aguiar



CO-ADVISOR

Joaquim Ferreira



DevOps Master

Orlando Macedo



Product Owner

Carolina Araújo



Software Arch.

Hugo Almeida



Team Manager

Miguel Almeida

TASKS

CAR COMMUNICATION

Hugo and Orlando

1. Research OBDII
2. Car emulator

VNF ORCHESTRATION

Hugo and Miguel

1. Research 5G VNF
2. Integrate VNF

COMPUTER VISION

Miguel, Orlando and Carolina

1. Research ML
2. Train OD model

BACKEND

Carolina and Hugo

1. Define DB
2. Create DB schema
3. Define API endpoints

FRONTEND

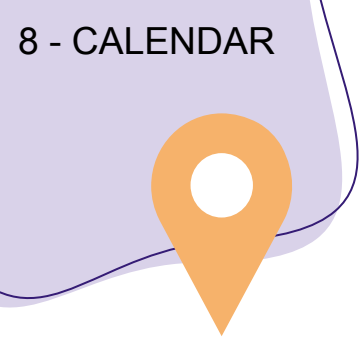
Carolina and Hugo

1. Design and develop UI

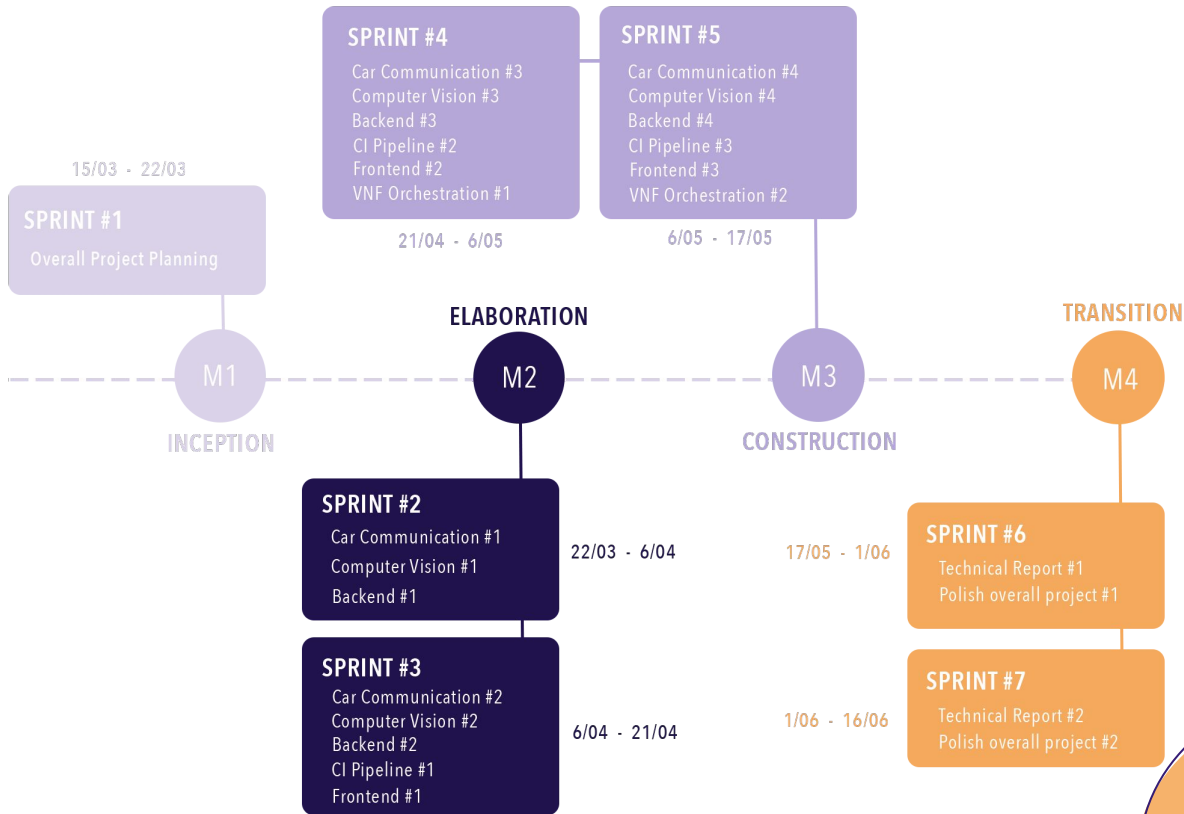
CI PIPELINE

Orlando and Miguel

1. CI Pipeline



CALENDAR

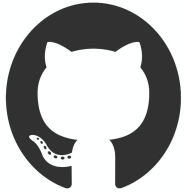


Related Work



5G Highways

Communication Plan



GitHub

Code Repository



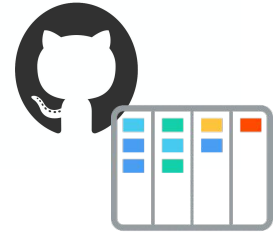
Discord

Internal Communication



Google Drive

File Sharing



GitHub Kanban

BackLog Management

THANKS

Do you have any questions?

OUR WEBSITE: <http://xcoa.av.it.pt/~pi202021g11/>

OUR REPOSITORY: <https://github.com/5g-mobility>

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics & images by **Freepik**

