

ASECAP DAYS



COSTA NAVARINO 2019



47TH ASECAP STUDY & INFORMATION DAYS
*Paving the way to high level of service
connected infrastructure for HGV*

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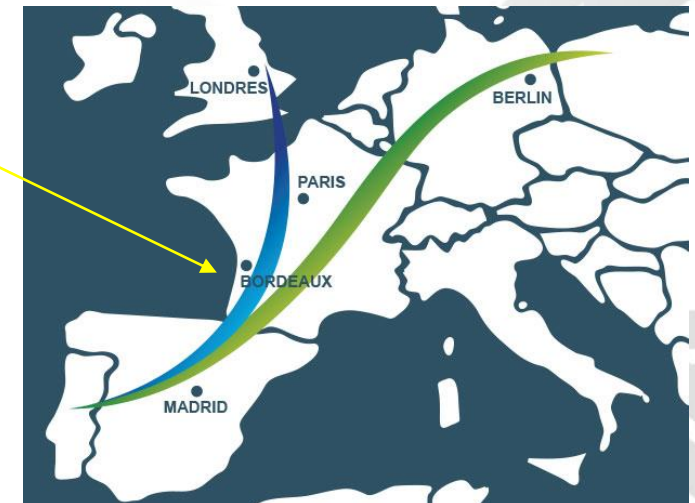
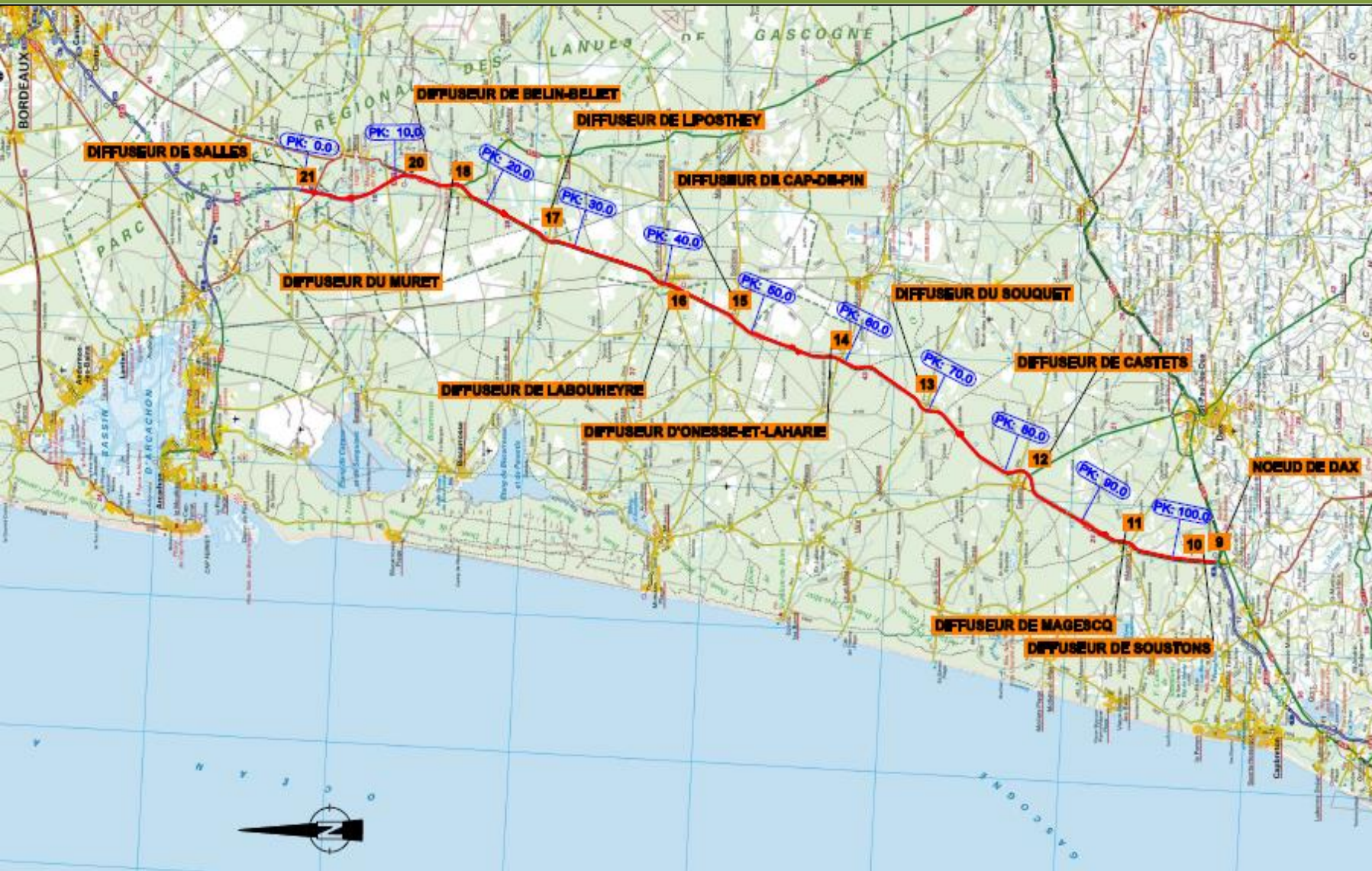
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A63 infrastructure layout



1 BELIEF: Open & Shared standardised data

A growing need to send information to drivers / vehicles

Maximising the use of authenticated data should help road management

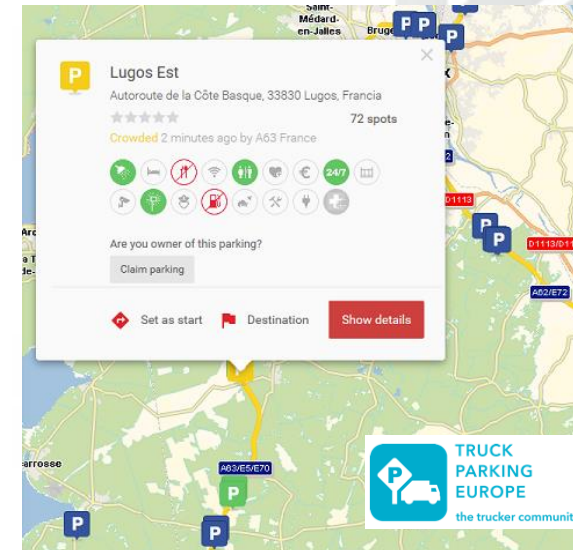
=> aiming at producing standardised data for a large range of event of information

First steps already in force

Sending VMS content on top of navigation apps



Real time HGV parking slot availability
(more than 50% use)







2 BELIEF: A unique testing ground

- 104 km – 2x3 lanes (upgraded in 2013)
- Straight line
- 10 entries/exits with low to moderate traffic
- 6 parking area per direction (600 slots/dir)
- 2 toll gates on open line
- High level of HGV traffic (approx 9000/day)



3 Raised interest for truck platooning

- Road management
 - High level of truck traffic (approx 9 000/day)
 - No diversion route
 - Security
- Economic interest
 - Over 89 000 trucks « tandem » crossing over 1 year (i.e. 2 trucks of the same fleet passing within a minute the same toll gate)
 - Frequent regional services play an important role



4 Business case experiment

- Benefits evaluation
 - For hauliers ?
 - For drivers ?
 - For road managers ?
 - For shippers ?
 - For the environment?
- Service definition



5 Infrastructure enhancement needs

- Enhanced Connectivity
 - Need for Vtol communication? Results from C-Roads, SCOOP...;
- Enhanced monitoring and supervision
 - Use of video coverage with intelligent incident detection and tracking
 - Control center upgrade (hard and soft) to be able to follow autonomous vehicle circulations
- Innovative devices and vehicle testing for better reaction
 - Autonomous trailer with flash lights / Improved median crossing

6 Experiment program

- Regulation derogation (currently under review)
 - Interdistance reduction
- Step by step process
 - 20/25m interdistance convoys first (end 2019 / 2020)
 - Platoons fully connected in a second phase (2021...)