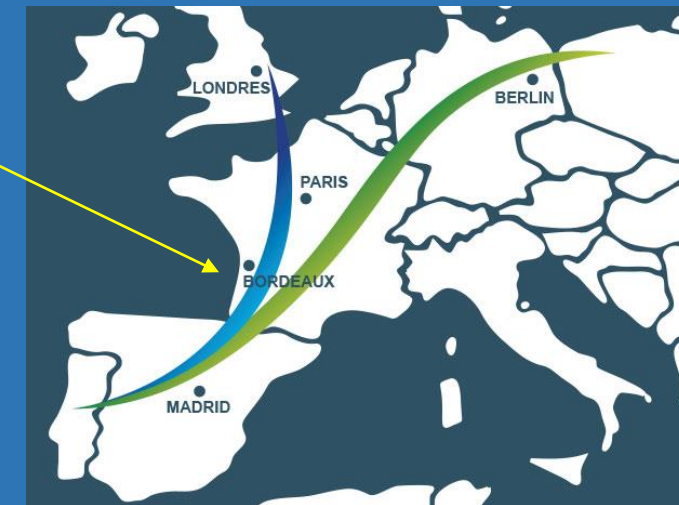


A63 - ATLANDES

Paving the way to high level of service connected infrastructure for HGV



A63 infrastructure layout



1 BELIEF: OPEN & SHARED STANDARDISED DATA

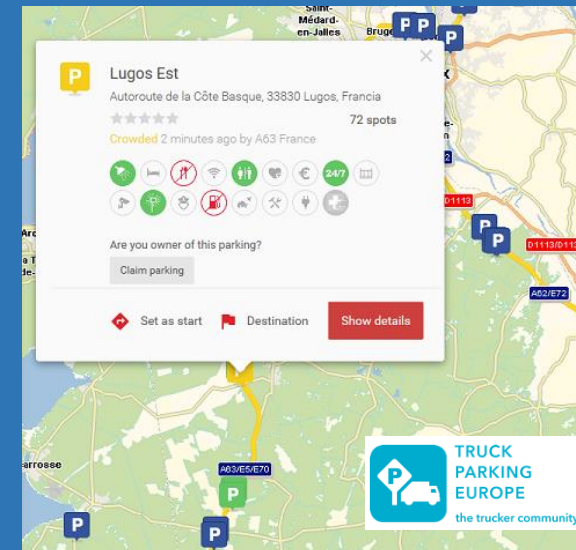
- A growing need to send information to drivers / vehicles
- Maximising the use of authenticated data should help road management
- => aiming at producing standardised data for a large range of event of information

FIRST STEPS ALREADY TAKEN

- Sending VMS content on top of navigation apps (DENM)



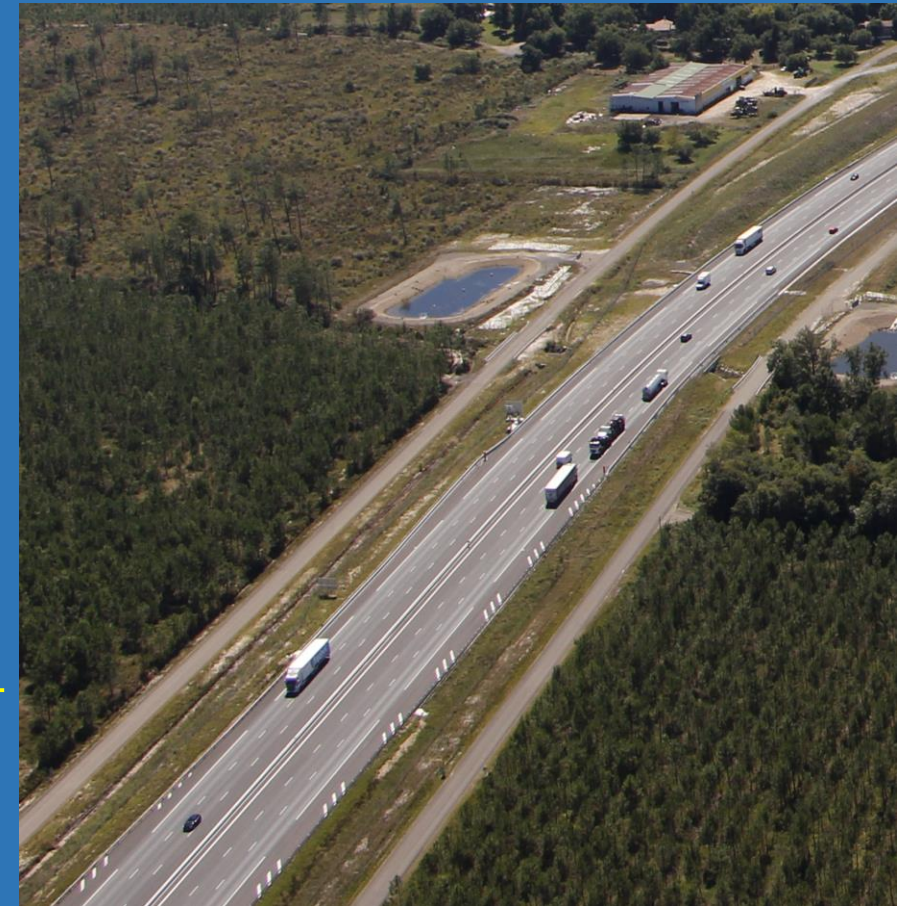
- Real time HGV parking slot availability
 - (more than 50% use)





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)



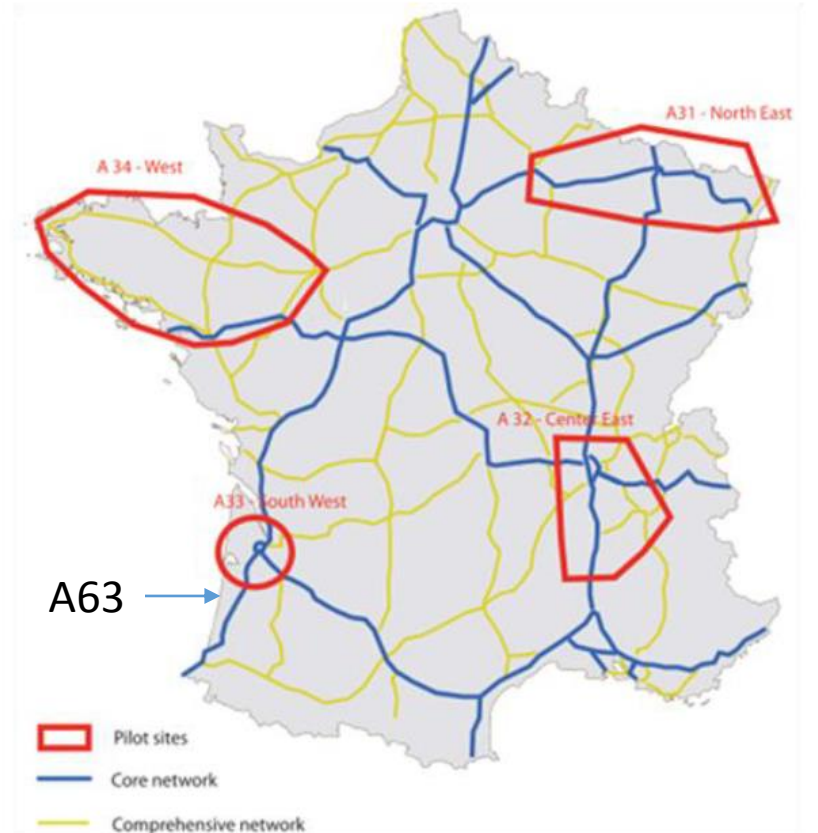
3 CONTEXT: C-ITS DEVELOPMENT ON FRENCH MOTORWAYS

- SCOOP@F
- C-Roads
- French state and concessionnaires (APRR, SANEF, VINCI)



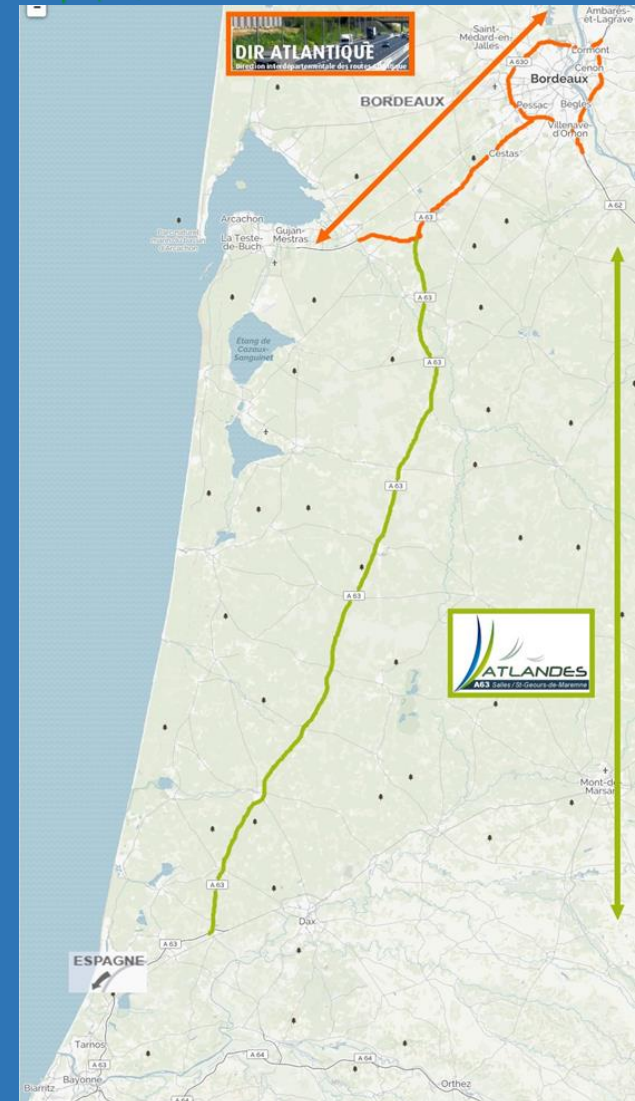
C-Roads France builds on the results of SCOOP@F.

Location



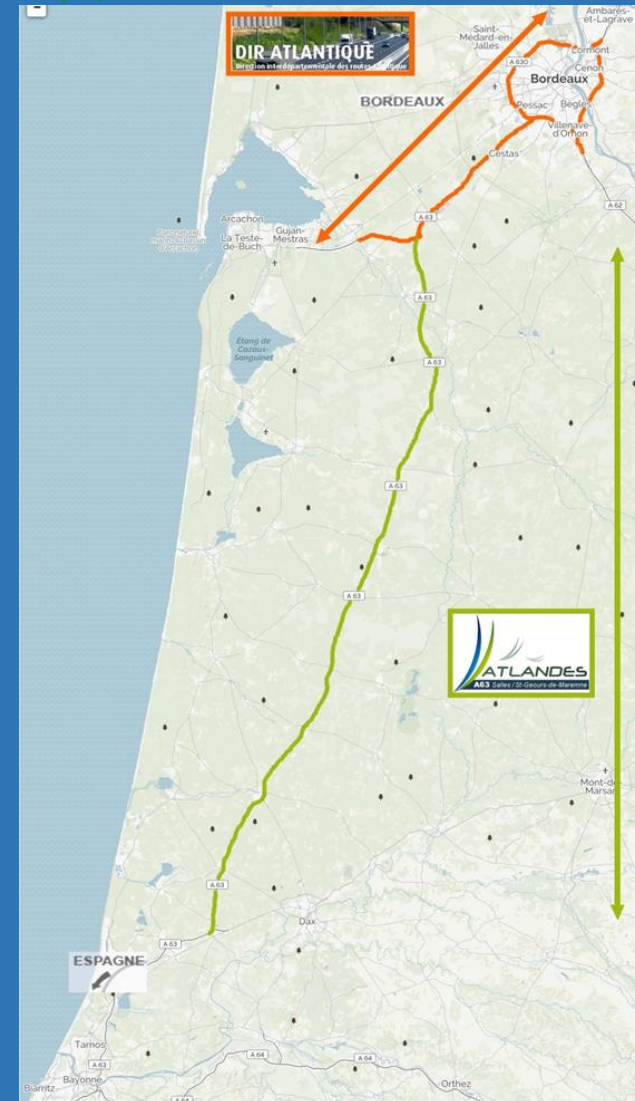
4 RAISED INTEREST FOR TRUCK PLATOONING

- 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



5 BUSINESS CASE EXPERIMENT

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



6 INFRASTRUCTURE ENHANCEMENT PROGRAM

- Enhanced Connectivity
 - High density DSRC beacon deployment for Vtol communication;
- Enhanced monitoring and supervision
 - Full 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