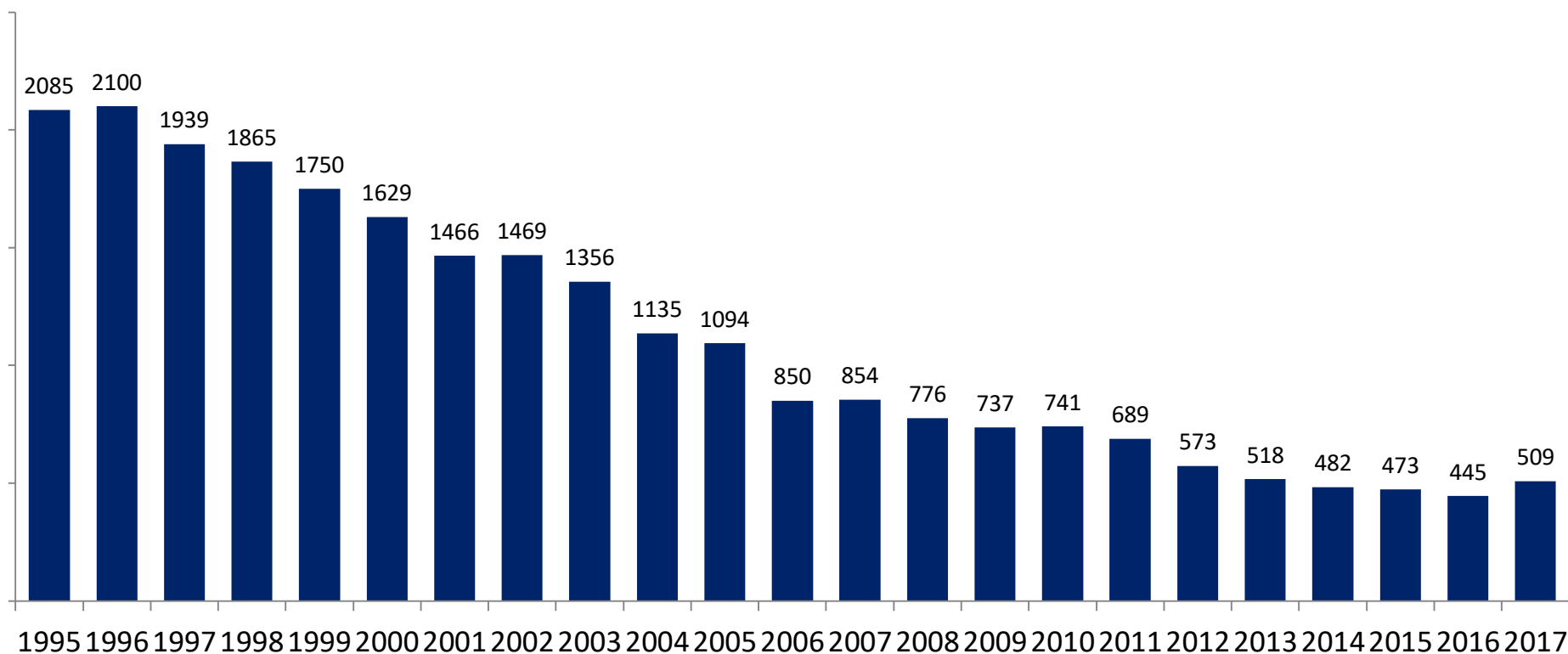


Sinistralidade Rodoviária



Evolução do número de vítimas mortais 1995-2017





SAE level	Name	Narrative Definition	Execution of Steering and Acceleration/Deceleration	Monitoring of Driving Environment	Fallback Performance of Dynamic Driving Task	System Capability (Driving Modes)
Human driver monitors the driving environment						
0	No Automation	the full-time performance by the <i>human driver</i> of all aspects of the <i>dynamic driving task</i> , even when enhanced by warning or intervention systems	Human driver	Human driver	Human driver	n/a
1	Driver Assistance	the <i>driving mode</i> -specific execution by a driver assistance system of either steering or acceleration/deceleration using information about the driving environment and with the expectation that the <i>human driver</i> perform all remaining aspects of the <i>dynamic driving task</i>	Human driver and system	Human driver	Human driver	Some driving modes
2	Partial Automation	the <i>driving mode</i> -specific execution by one or more driver assistance systems of both steering and acceleration/deceleration using information about the driving environment and with the expectation that the <i>human driver</i> perform all remaining aspects of the <i>dynamic driving task</i>	System	Human driver	Human driver	Some driving modes
Automated driving system ("system") monitors the driving environment						
3	Conditional Automation	the <i>driving mode</i> -specific performance by an <i>automated driving system</i> of all aspects of the dynamic driving task with the expectation that the <i>human driver</i> will respond appropriately to a <i>request to intervene</i>	System	System	Human driver	Some driving modes
4	High Automation	the <i>driving mode</i> -specific performance by an automated driving system of all aspects of the <i>dynamic driving task</i> , even if a <i>human driver</i> does not respond appropriately to a <i>request to intervene</i>	System	System	System	Some driving modes
5	Full Automation	the full-time performance by an <i>automated driving system</i> of all aspects of the <i>dynamic driving task</i> under all roadway and environmental conditions that can be managed by a <i>human driver</i>	System	System	System	All driving modes

Convenção de Viena - 1949



ANSR
AUTORIDADE NACIONAL
NÇA RODOVIÁRIA

ARTIGO 8

1. Qualquer veículo ou conjunto de veículos que forme uma unidade deve ter um condutor.

Convenção de Viena - 1968

ARTIGO 8º

Condutores

1. Um veículo ou conjunto de veículos em marcha deve ter um condutor.

Código da Estrada - 1994

Artigo 11.º

Condução de veículos e animais

- 1 - Todo o veículo ou animal que circule na via pública deve ter um condutor, salvo as exceções previstas neste Código.

Regulation Study for Interoperability in the Adoption
the Autonomous Driving in European Urban Nodes

AUTOCITS



AUTO
C-ITS



Pilot Overview

Autonomous and connected vehicles:

- A9-CREL;
- Between junction with A16 and Avenida Marginal;
- 2 Service Stations for support;
- Distance of 7km (6km of A9 and 1km of N6-1).

Autonomous shuttles:

- Near of National Stadium;
- Transporting people between the parking and the main buildings.

ITS stations:

- 6 RSUs will be deployed along the highway A9;
- Each vehicle will have an On-Board Unit (OBU)

