



Ministero  
delle Infrastrutture e dei Trasporti

# Symposium on the Future Networked Car 2020 (FNC-2020)

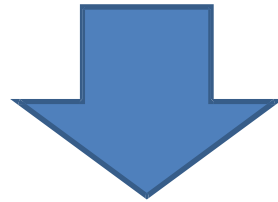
The point of view of the Italian  
Ministry of Infrastructure and  
Transport,



Luca Rocco – Technical Officer of MIT

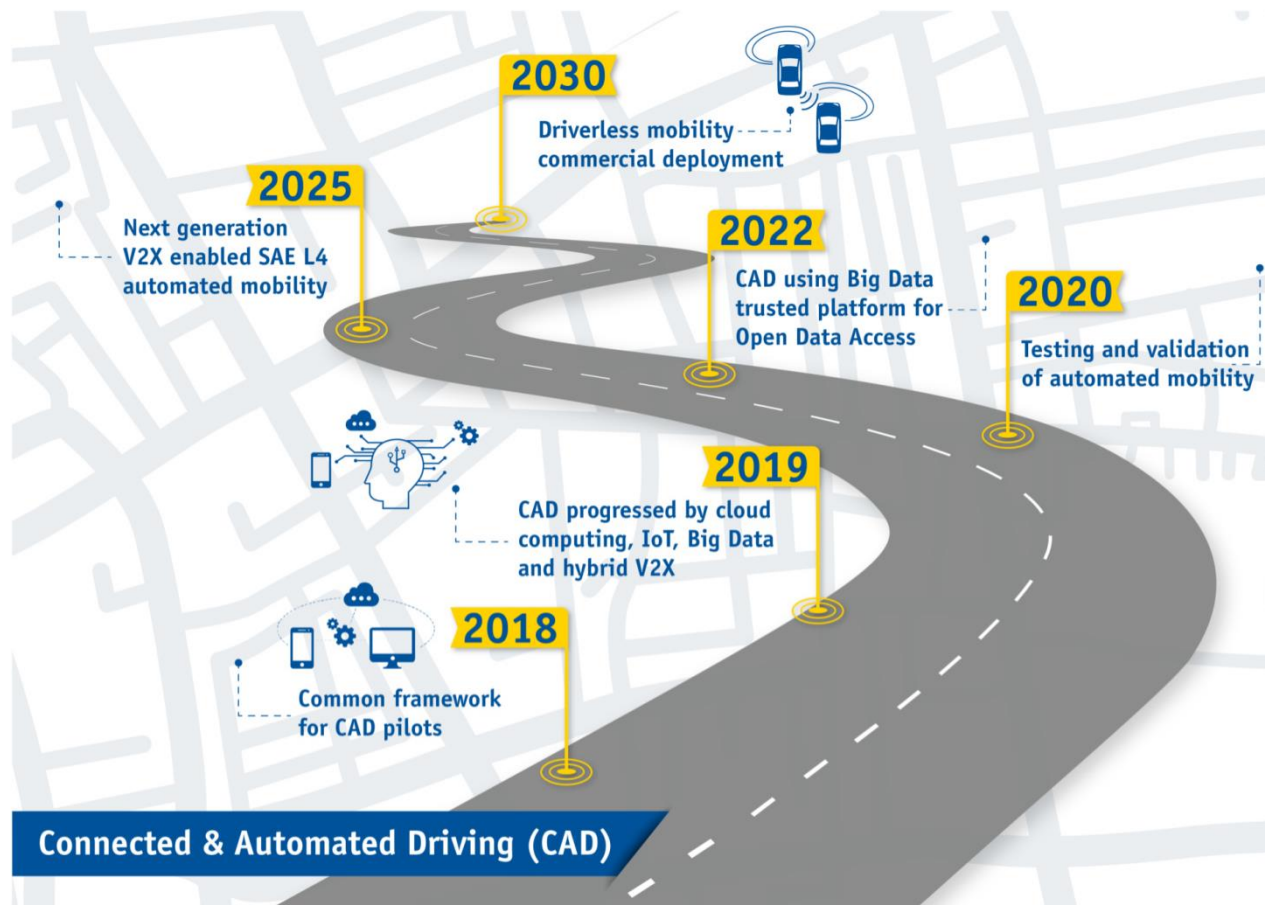


**Italy is Member of the European Union**



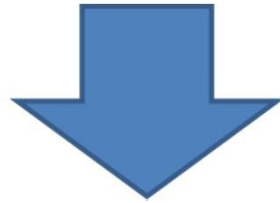
**Italian Strategy IS implementing European Strategy**







**Italy and European Union are Contracting Parties to the  
UNECE Agreements on Vehicle Regulations**



**The World Forum for the harmonization of vehicle  
regulations is the driver for Italian Technical  
Regulation on Automated Vehicle**





## Framework document for automated vehicles



### Authors



### Purpose

Guides WP.29's groups  
Programme management



### Highlights

Safety vision  
Key safety elements  
Timeline



Adopted in June 2019



## Safety vision

According to the Framework Document on Automated Vehicles:

(Adopted by WP.29 in June 2019)

- The level of safety to be ensured by automated vehicles:
  - ➔ "An automated vehicles shall not cause any non-tolerable risk"
- Automated vehicles, under their Operational (Design) Domain (ODD), shall not cause any traffic accidents resulting in injury or death that are reasonably foreseeable and preventable.



## Priorities for the near future



- Further development of a global Framework Document for Automated Vehicles



- Functional Requirements for Automated Vehicles (FRAV)



- Validation Method for Automated Driving (VMAD)



- Data Storage System for Automated Driving (DSSAD) vehicles + EDR



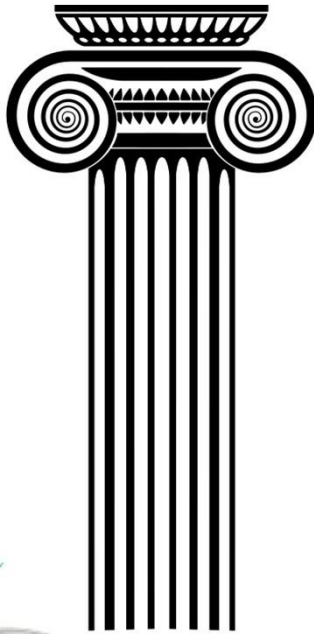
- Cybersecurity and (OTA) software updates



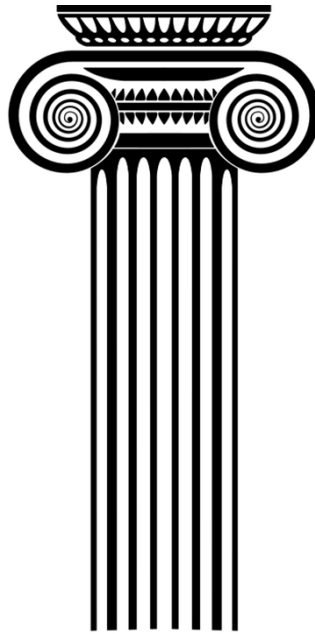


## Pillar of Italian Vision for Autonomous driving

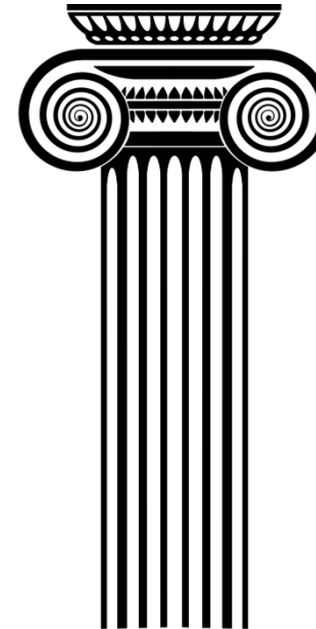
**Technology Neutrality**



**Learn by Experience**



**Wide Cooperative Environment**









## Connected and automated driving national policy status reports

1. Art. 1 (72) of Law No. 205 of 27 December 2017 articolo 1, comma 72, della legge 27 dicembre 2017, n. 205 (a.k.a. 2018 National Budget Law) with a budget of 1 milion Euro/year for 2018 & 2019.
2. Ministerial Decree No. 70 of 28 February 2018 (a.k.a. Smart Road Decree) implementing budget and establishing a «Nationatal Observatory».
3. 22° March 2019 The first on road testing of autonomous vehicle is authorized by the Nationatal Observatory.



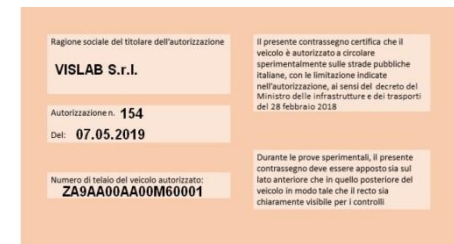


## Users' perception and acceptance

## Safety validation



According to M.D. 70/2018 during the on road test the vehicle has to comply with the rule of National Highway Code. That means autonomous vehicle complies to all requirement and it acts as normal vehicle. Moreover it shall be identify by a logo.



## Responsibility

## Integration in local mobility policies





Thanks for your attention

