

SUSTAINABLE & SMART **MOBILITY STRATEGY**

ITS Norway – no.2

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C-ITS from Brussels

- **Sustainable and Smart Mobility Strategy**
 - 10 flagships in total, 5 on sustainable, 5 on smart
 - 4 flagships have actions related to C-ITS & CCAM
- **From C-ITS to CCAM**
- **What is the Commission doing on C-ITS today**
 - Expert group on security policy
 - EU CCMS
 - CEF support for deployment (C-ROADS)

Sustainable Mobility

- ✓ 2030: at least 30 million zero-emission cars and 80 000 zero-emission lorries in operation
- ✓ 2050: nearly all cars, vans, buses as well as new heavy-duty vehicles will be zero-emission
- ✓ 2030: at least 100 climate-neutral cities in Europe
- ✓ 2025: 500 hydrogen stations and one million public recharging points
- ✓ 2030: 1000 hydrogen stations and three million public recharging points
- ✓ 2030: 5000km of additional safe bike lanes



European
Commission

Mobility and Transport

Smart / Resilient Mobility

- ✓ 2030: seamless multimodal passenger transport will be facilitated by integrated electronic ticketing
- ✓ 2030: Automated mobility will be deployed at large scale

A multimodal TEN-T for sustainable and smart transport with high speed connectivity:

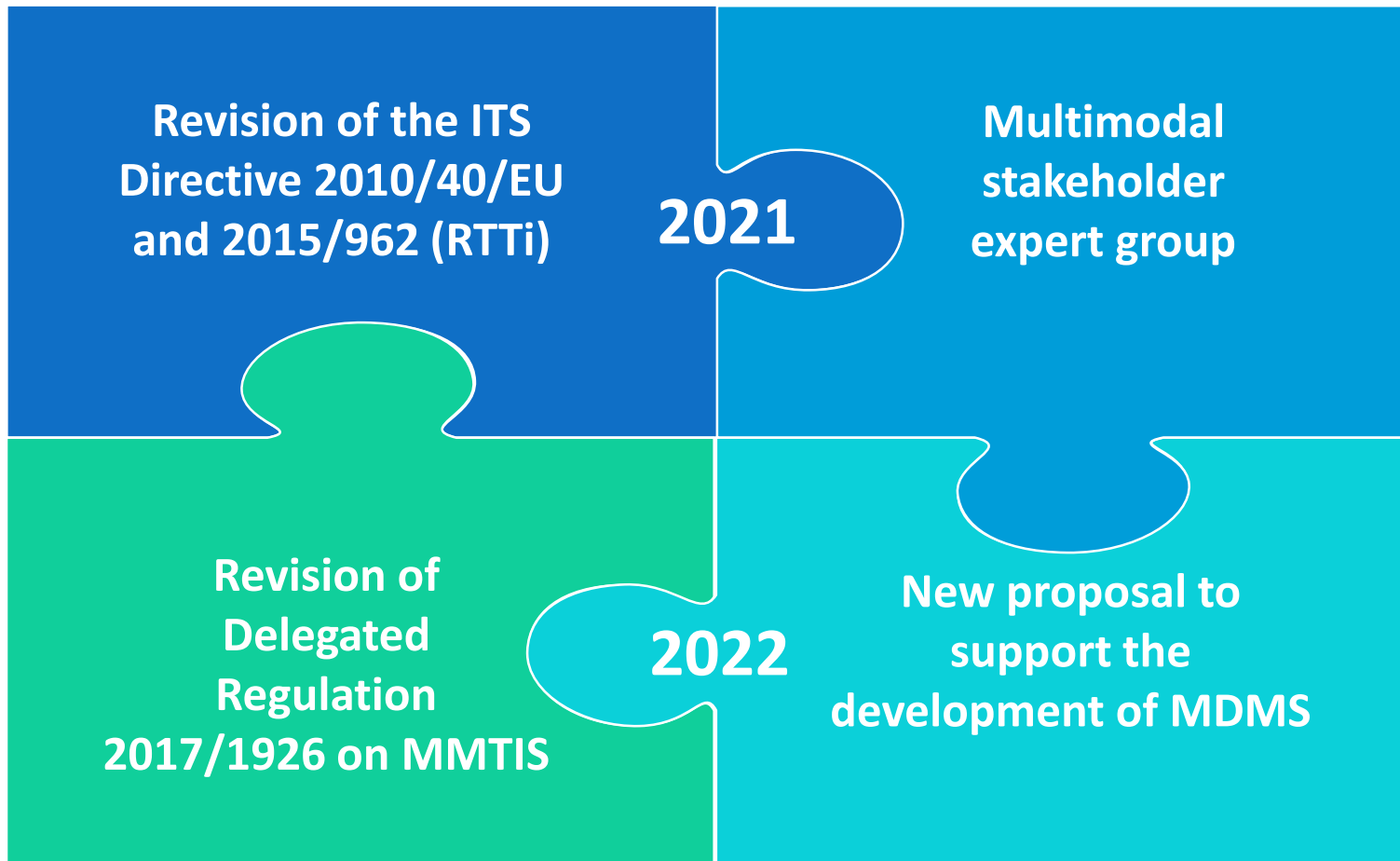
- ✓ 2030: for the core network
- ✓ 2050: for the comprehensive network



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FLAGSHIP 6 – Making connected and automated multimodal mobility a reality



FLAGSHIP 7 - EU partnership on CCAM

- **March:** **Launch ISC**
- **May:** **Adoption of MoU**
- **June:** **Signature event**
- The partnership will develop and demonstrate inclusive, user-oriented and well-integrated mobility services, enabled by CCAM, with increased safety and a reduced carbon footprint. It will make Europe a world leader in the deployment of CCAM and tackle societal needs for future transport.
- **Horizon Europe Work Programme for 2021 – 2022:**
 - 11 CCAM topics for a total budget of 162m€
 - Other relevant calls (e.g. logistics, road safety and multi-modality) and partnerships (e.g. 2ZERO, Key Digital Technologies)

FLAGSHIP 7 - European Mobility Data Space

- Will take into consideration the horizontal governance set out in the data strategy and the data act
- Vertical knowledge on mobility in the hands of DG MOVE
- Will build on and look for mechanisms to combine existing data sources

FLAGSHIP 7 - Coordination mechanism for ITS National Access Points

- Coordinating across MS and across data types (e.g. MMTIS, RTTi, SRTi)
- Call for proposals (CEF PSA) launched on 8 December 2020.
- Grant signature: ~ mid June 2021.

FLAGSHIP 8 – The TEN-T revision

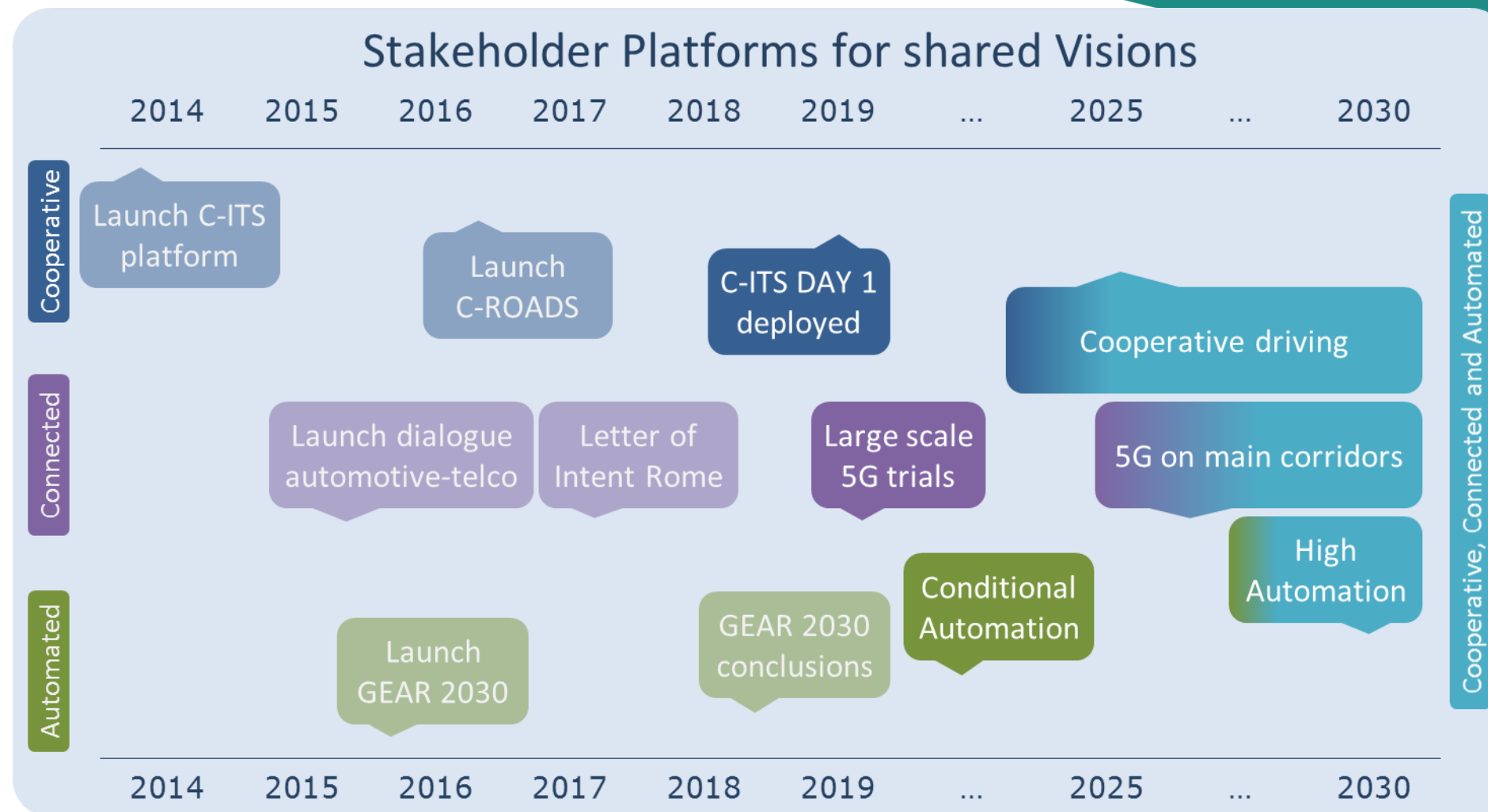
- Overall objective: Completion of the core network by 2030 and the comprehensive network by 2050
- Make transport **greener, smarter** and more **resilient**
- Improve the **governance** tools of the TEN-T
- Coherence between TEN-T developments and other EU policies (*e.g. Rail Freight Corridors, military mobility network*)
- Extension of the TEN-T to third countries

FLAGSHIP 10 - Enhancing transport safety and security

Evolution of eCall

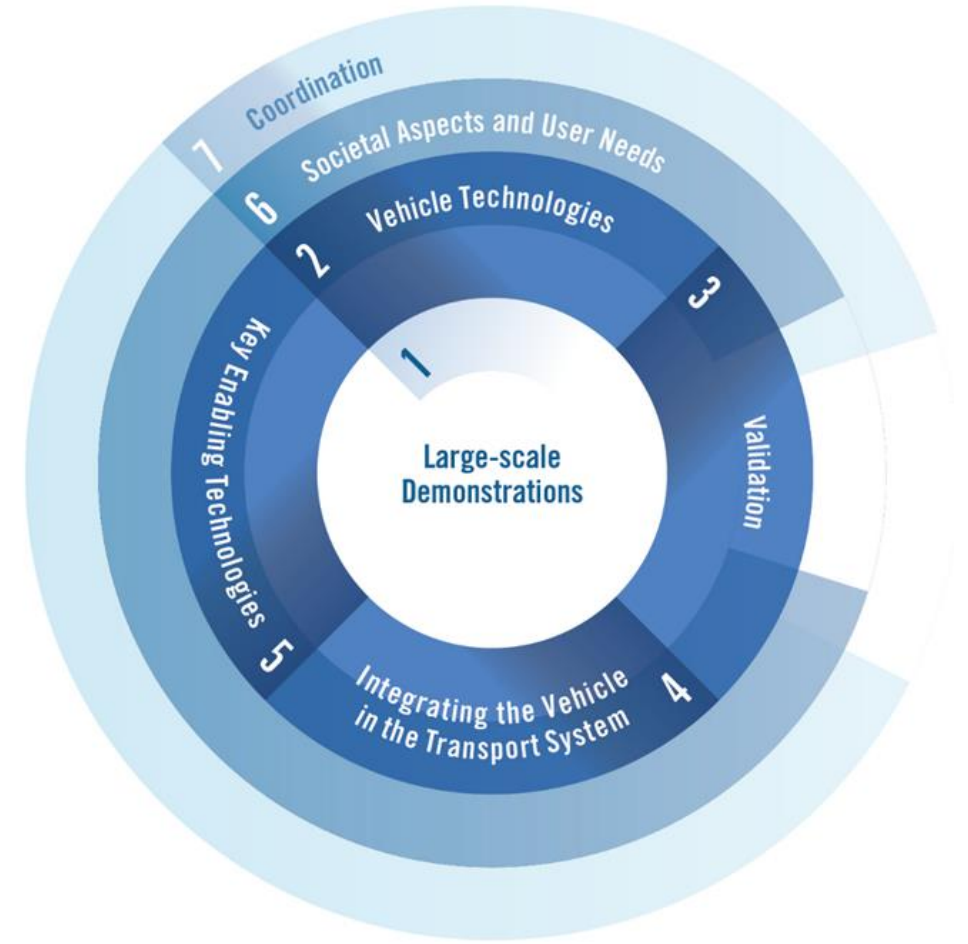
- **Adaptation to 4G/5G**
 - *Revised specifications : 2022*
 - *In parallel, on-going discussions on the “legacy issue”, i.e. vehicles equipped with 2G/3G eCall but not able to call 112 as there would no longer be 2G/3G coverage*
- **Possible extension to additional categories of vehicles** (P2W, trucks, buses and coaches, agricultural tractors)
 - *possible proposal by end 2022 – timetable not yet defined*

From C-ITS to CCAM



From C-ITS to CCAM

- From C-ITS platform to CCAM platform
 - 4 DGs working together
 - WG1: Develop an EU R&I agenda for CCAM
 - user-centric, inclusive (shared) mobility, freight transportation and delivery services using CCAM vehicles (SAE level 4)
- ⇒ new EU partnership
- WG3: PDI ⇒ understand how PDI support works, no-regret measures

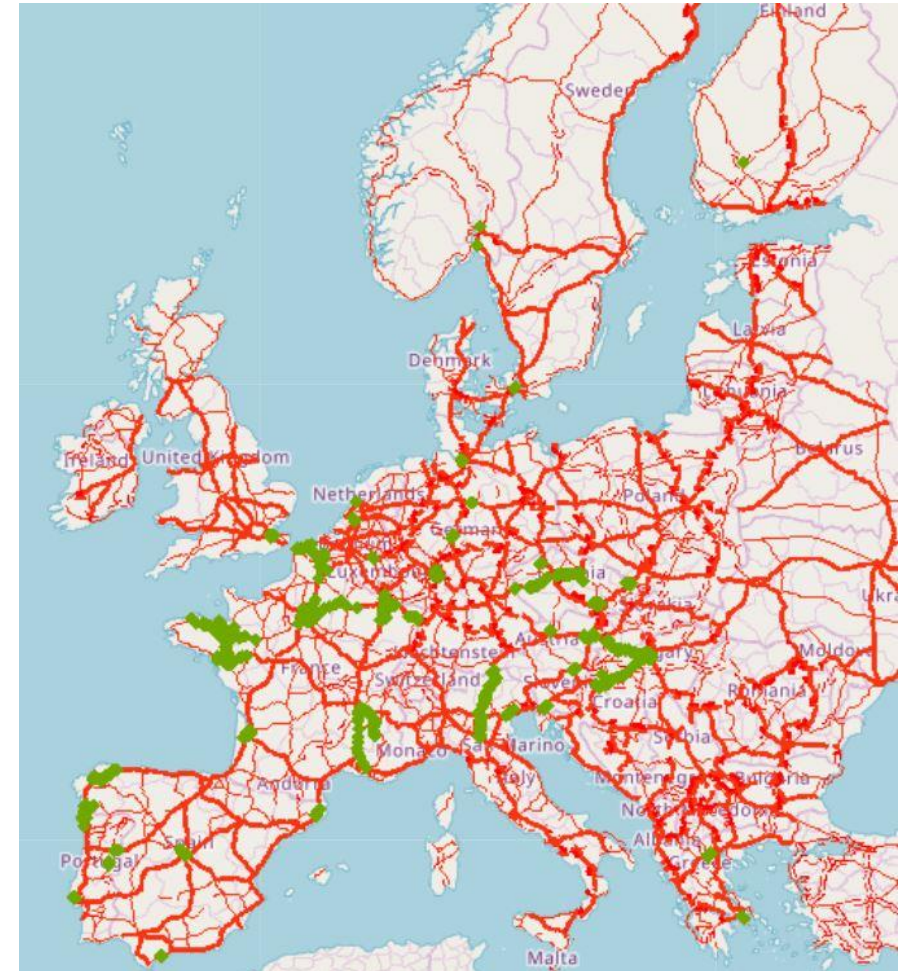


What is the Commission doing on C-ITS today

- **C-ITS needs interoperability (C-ROADS)**
 - Rules on how we communicate \Rightarrow how we combine technologies
 - Rules on what we communicate \Rightarrow harmonized services
- **C-ITS needs trust**
 - New sub-group established under the ITS expert group
 - EU C-ITS Security Credential Management System
 - Implements the security and certificate policy
 - 3 central roles: CPA, CPOC, TLM
 - Includes an EU root CA

What is the Commission doing on C-ITS today

- **C-ITS needs scale**
 - +/- 500k vehicles on the road \Rightarrow EURO Ncap advanced reward
 - CEF 2 will continue building & improving the European network
 - Digitalization will increasingly become part of smart infrastructure
 - This will increase the safety of roads and efficiency of traffic and prepare for CCAM



Conclusions

- All agree that PDI, incl. C-ITS, has a major role to play in smart mobility
- Investment levels are high and will not happen without a coordinated approach and investment certainty, especially on the infrastructure side
- We need to efficiently link development and deployment activities (e.g. new CCAM partnership under HE with CEF projects)
- No-regret measures, particularly on the digital infrastructure, seem possible but clear recommendations are still needed to trigger EU-wide investments
- Increased agreement and sharing of data between private and public stakeholders could help trigger investments on both sides

Conclusions

- **This is key investment area for Europe**
 - Supporting the EU Green Deal & the SSMS
 - Part of the digital sovereignty and competitiveness agenda
- **Public investment still needed at this stage**
 - EU funds will continue supporting development and deployment of C-ITS
 - Deployment beyond CEF should soon start (e.g. C-ITS support by EIB)
- **Private investment / business models for CCAM not fully clear yet**
 - Depends on alignment of all players to create sufficiently large ODDs
 - Depends on mobility services for end-users that will be developed