

# ESA Space for Twin Cities - Smart Mobility

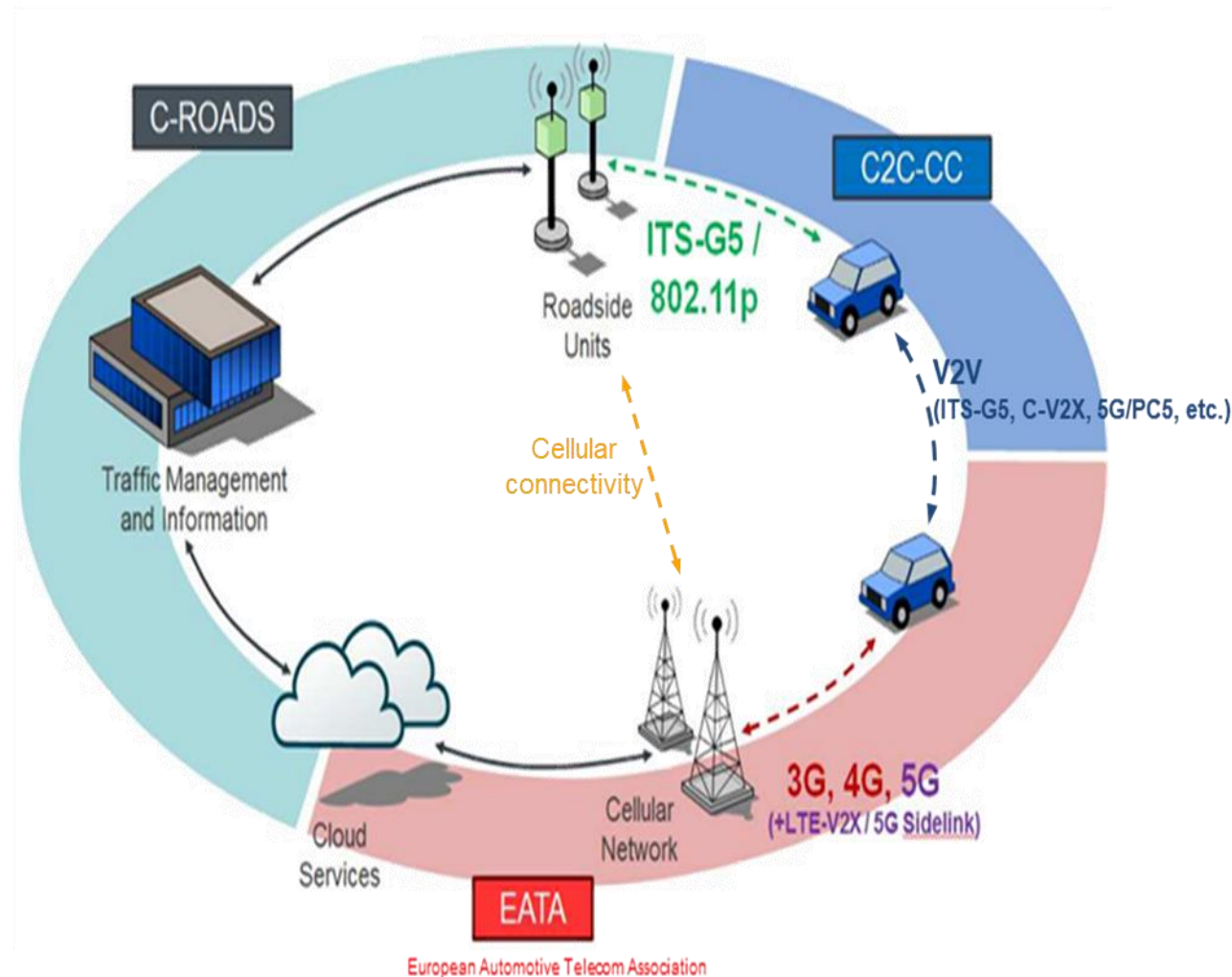
## The Turin City experience



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5T CTO

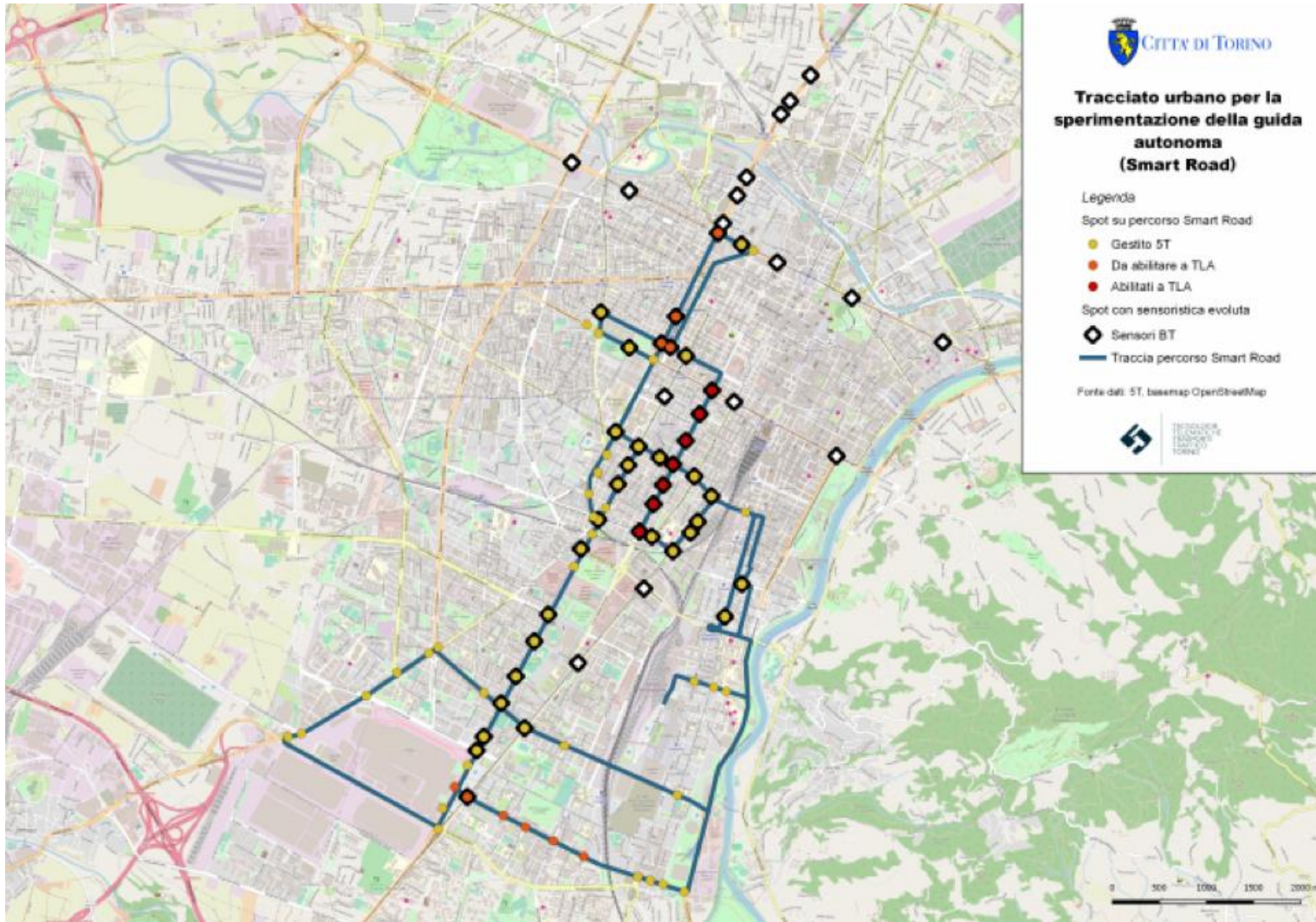
# Smart Road and ITS Cooperative ITS Services

- At EU level Cooperative Intelligent Transport Systems (C-ITS – Day 1, Day1.5) Services towards connected vehicle have been defined for infomobility and safety purposes.
- *Traffic Management Centre* distributes **standard messages** (ETSI) enabling C-ITS services.
- **V2X communication is established** using devices on the road (RSU) o comunicazione cellulare (LTE, G5, etc.)



# Smart Road and ITS Cooperative Services(C-ITS)

## Torino Smart Road Project



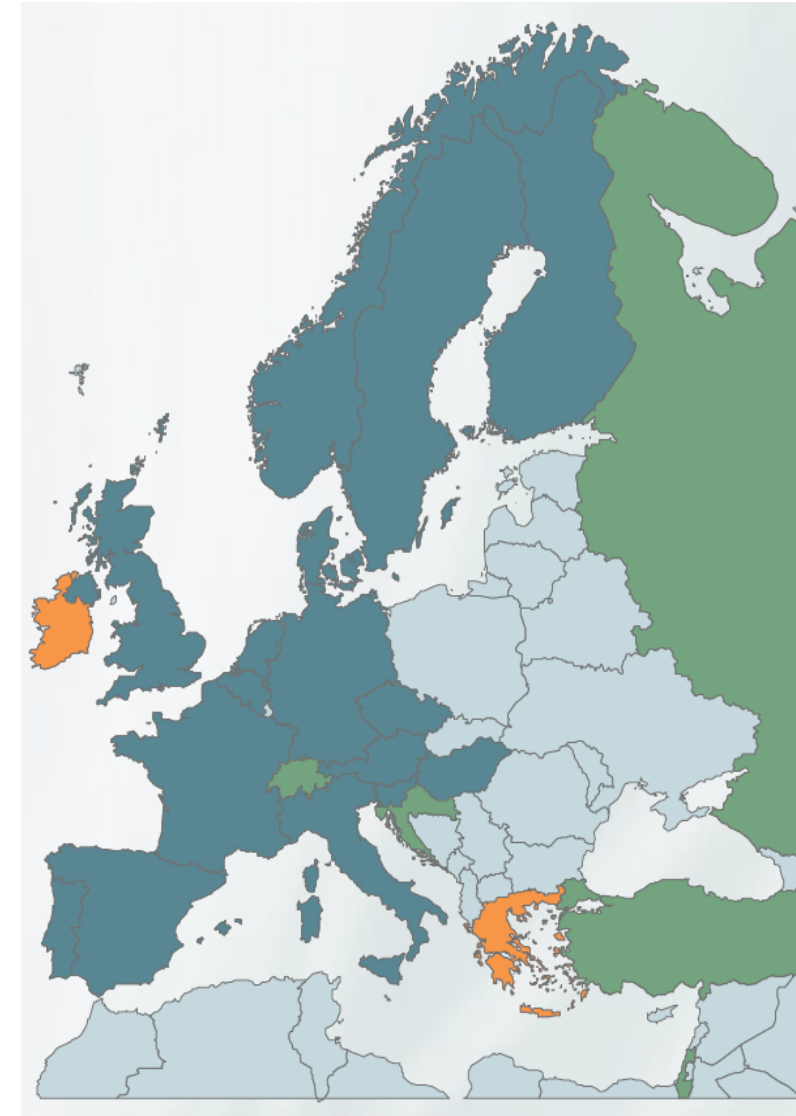
SPOT type	Quantity
TLA Enabled – Current	7
TLA Enabled – Target	10
Other UTC Intersections	57
<b>Total UTC intersections managed by 5T</b>	<b>74</b>



# Smart Road and ITS Cooperative Services(C-ITS) EU C-ROADS Platform



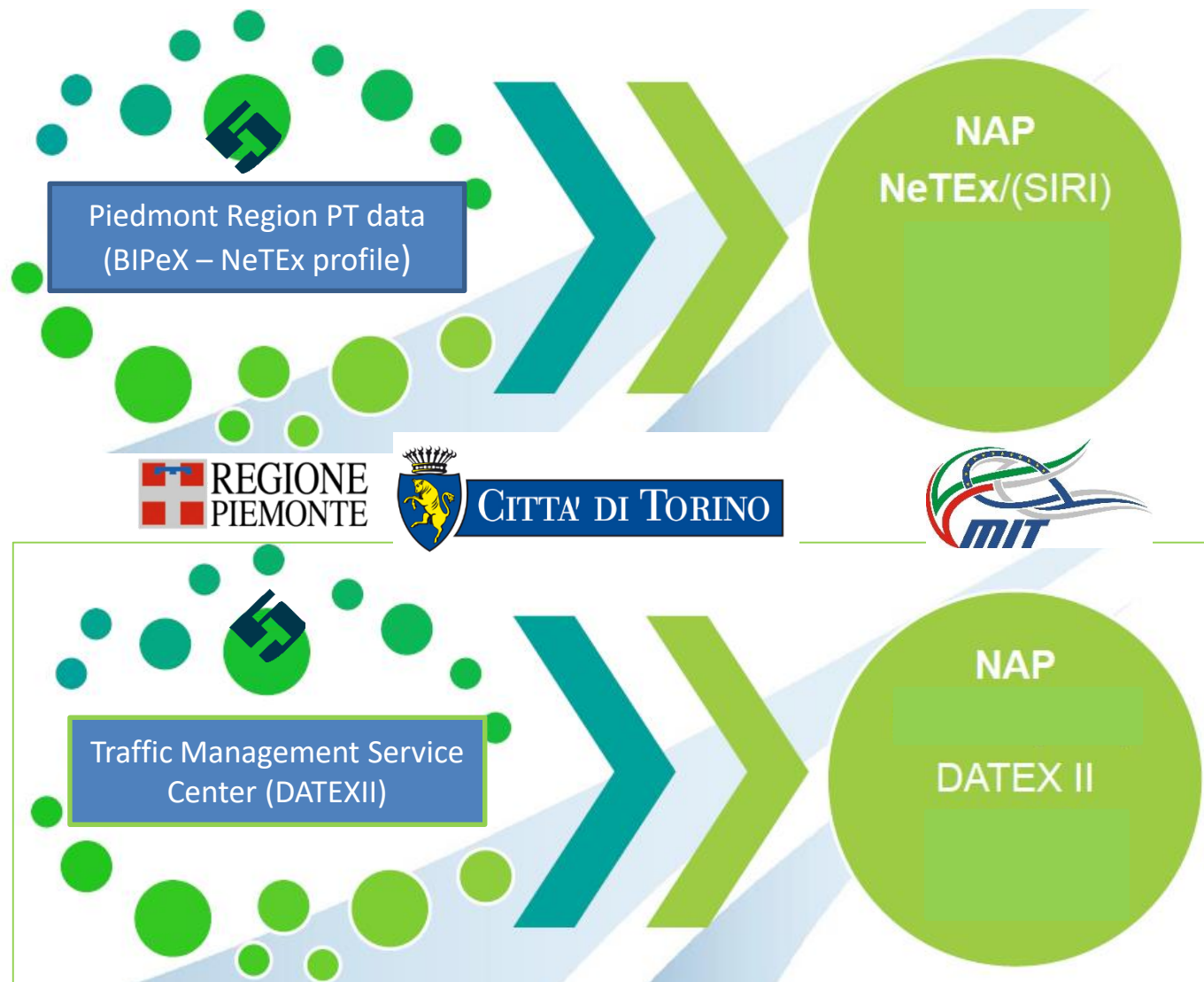
- C-Roads Platform guarantee:
  - uniform deployments C-ITS services in EU;
  - Technical specifications common development;
  - Interoperability:
    - Test Cross-border
    - Hybrid communication (ETSI ITS-G5 and 4G/5G networks)



# Mobility Data integration

## National Access Point

- Delegated Act 2017/1976 establish NAP for mobility data exchange among member states
- Using standards like:
  - Traffic **DATEX II**
  - PT static **NeTEx**
  - PT dinamico: **SIRI**



# Thanks for the attention

## Contacts

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