



**UVAR Exchange**

# Introduction to Task 1: Improvements of UVAR On Road Information to Drivers

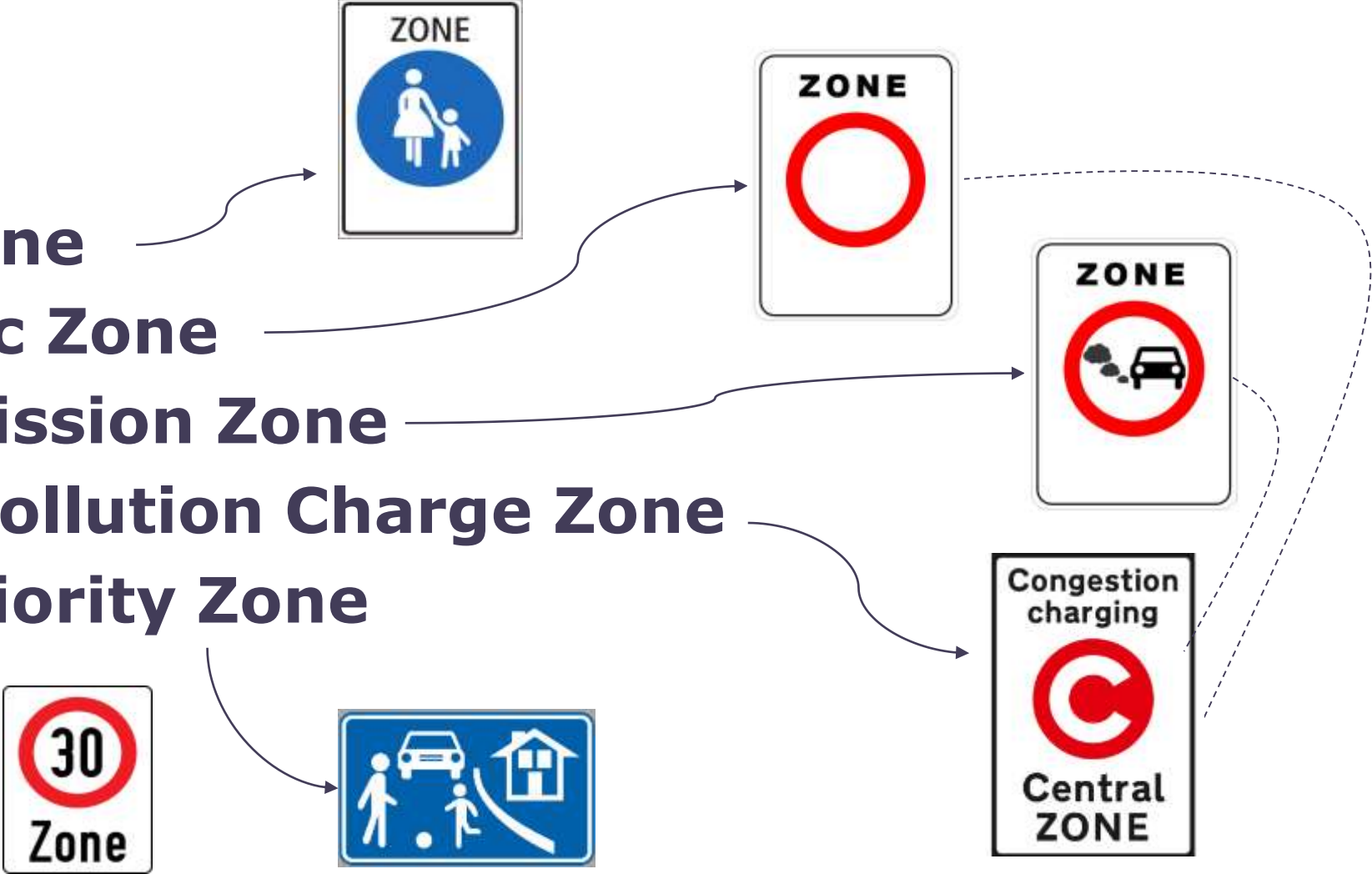
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*18<sup>th</sup> October 2022*



# Urban Vehicle Access Regulation (UVAR) typologies

- 1. Pedestrian Zone
- 2. Limited Traffic Zone
- 3. Low/Zero Emission Zone
- 4. Congestion/Pollution Charge Zone
- 5. Pedestrian Priority Zone



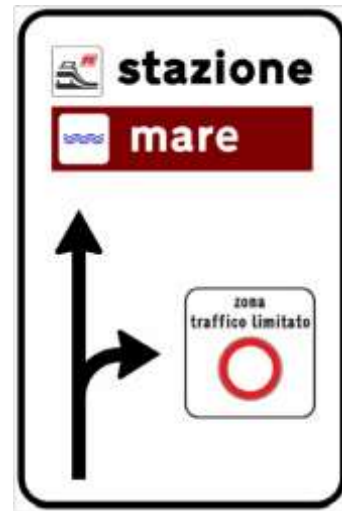
# Information provision to drivers approaching, in the vicinity and inside an UVAR

Where should we find UVAR signs, VMS and receive C-ITS messages?

## Advance warning



## Additional advance



## At gates/boundaries



## Inside the zone



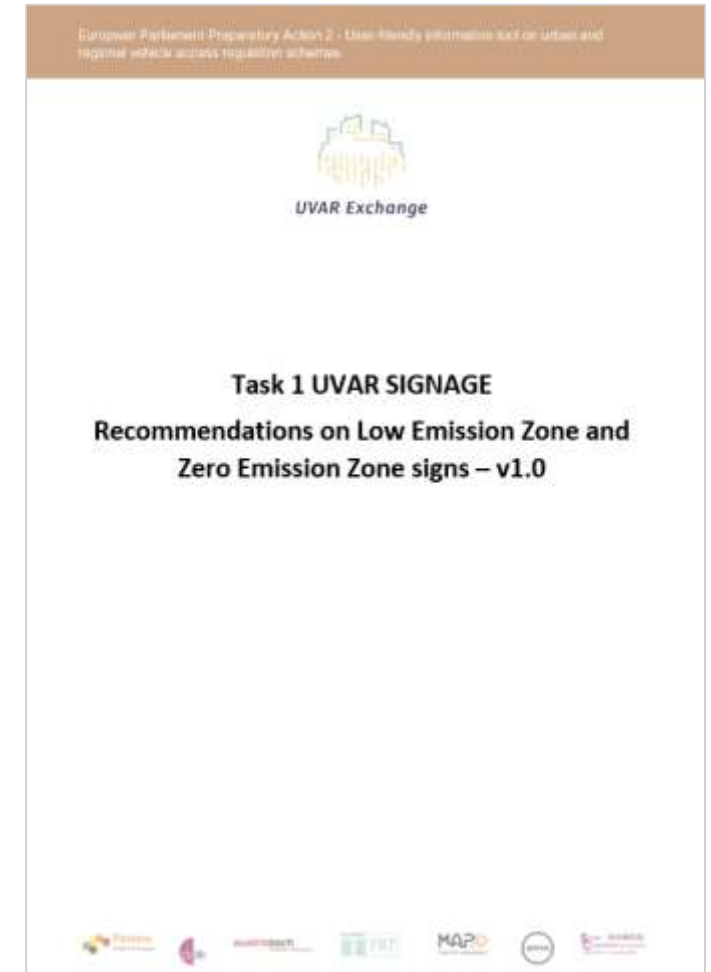
# T1.1 - Report on UVAR Information provision through signage

- describes how UVARs' on-road information is provided in different EU countries, highlighting **peculiarities and current practices in signage** (including recommendations from **national Guidelines**)
- presents **elements affecting the complexity and understanding of UVAR** schemes (with impacts on signage)
- includes **a photo collection of current UVAR signs** across Europe
- updated with the results of Demo 1 activities including **proposals for harmonised UVAR signs**



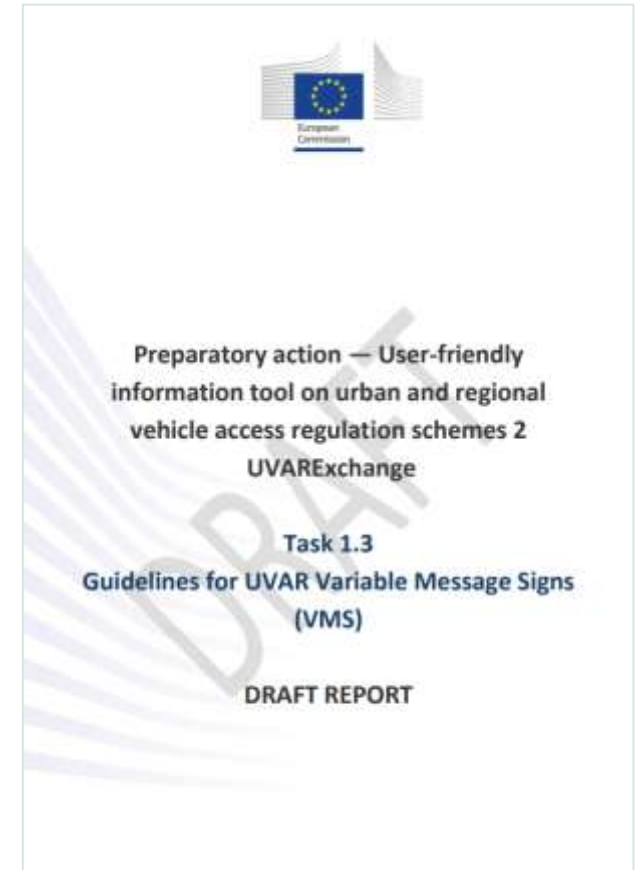
# T1.2 - Common EU approach to LEZ and ZEZ signs

- **Stakeholder workshops** aimed at understanding how to provide harmonised, easily understandable, clear, complete and updated information regarding LEZs & ZEZs.
- Resulted in a short **report with recommendations** aimed to address the fragmentation of LEZs signs in Europe.
- Close collaboration with **the UNECE Group of Experts on Road Signs and Signals** which has been mandated to assess new signs (including LEZ) for a possible inclusion in the 1968 Vienna Convention.



# T1.3: Guidelines for UVAR Variable Message Signs (VMS)

- describes the **VMS framework** in terms of functioning and applicable regulations and standards
- includes a **photo collection of current UVAR VMS signs** across Europe
- explores prior **VMS studies**
- sets out **recommendations** for presenting harmonised UVAR information through VMS
- updated with the **results of Demo 1 activities**



# T1.4 – UVAR Signage and C-ITS demonstrators

- **Demo 1.4.1 – Harmonisation of physical road signs/VMS**

1. Ministry of Infrastructure and Water Management (NL)
2. Milan (IT)
3. Monza (IT)
4. Lombardy Region (IT)
5. Barcelona (ES)
6. Vitoria-Gasteiz (ES)
7. Lisbon (PT)
8. Brno (CZ)
9. Krakow (PL)

- **Demo 1.4.2 - C-ITS message to vehicle with UVAR information**

1. Vienna (AT)
2. Milan (IT)