X4ITS – Central Europe Cross Border Cooperation for ITS

Cross-Border Harmonisation of ITS and C-ITS Services
Presented by Max Panczyk (AustriaTech)

About X4ITS

- Call CEF-T-2022 SIMOBGEN
  - Follow up of CROCODILE
- Runtime 2023 - 2027
- Budget 64.5 Million €
  - EU contribution 50%
- 6 Member States – 28 Partners
  - Austria, Croatia, Czech Republic, Hungary, Romania, Slovenia

x4its.eu

Linked in

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X4ITS PARTNERS
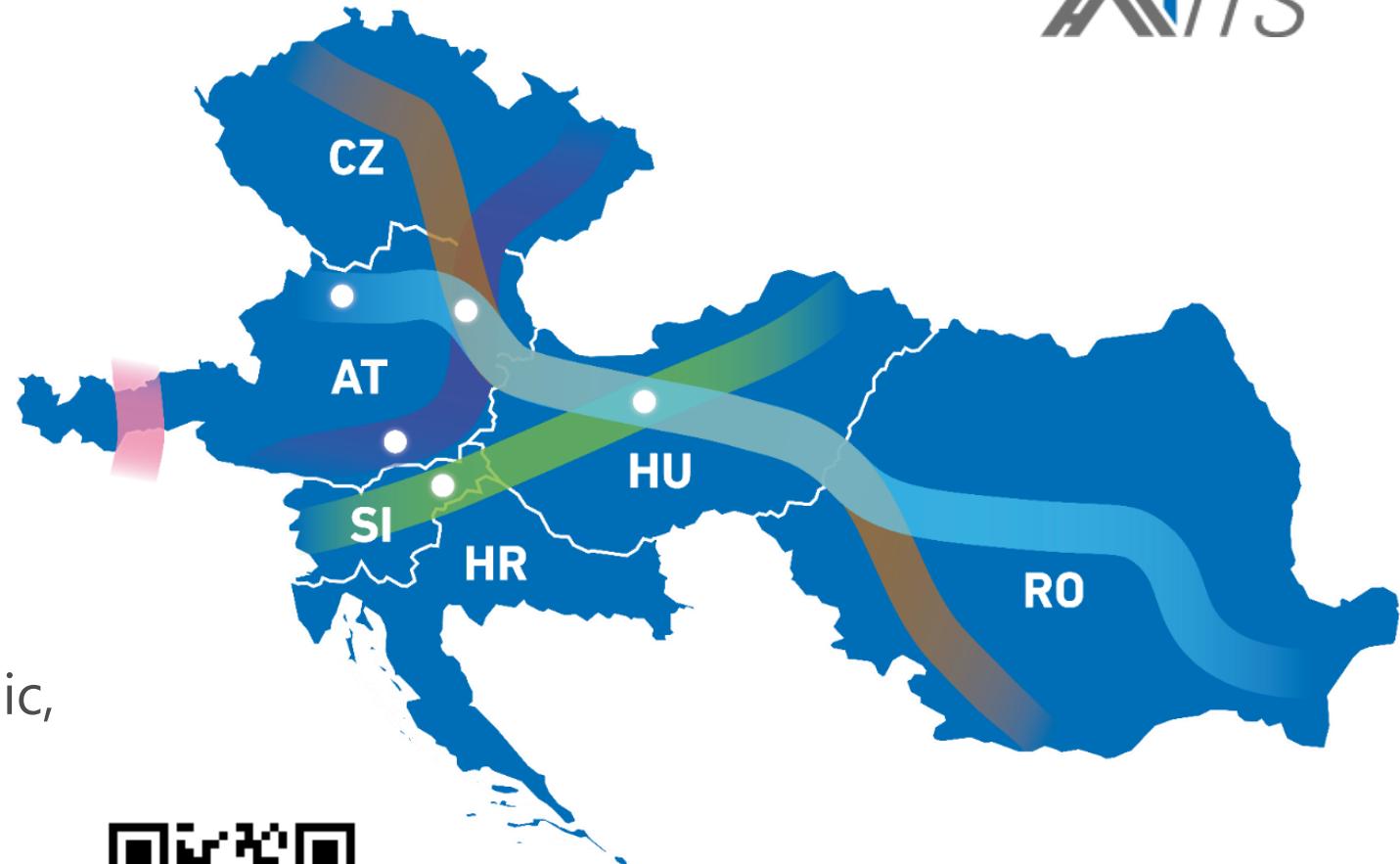
Austria
- ASFiNAG
- Bundesministerium Innovation, Mobilität und Infrastruktur
- LAND KÄRNTEN
- IAM INSTITUT FÜR TECHNOLOGIE UND ALTERNATIVE MOBILITÄT
- KLAGENFURT AM WÖRTHERSEE
- Klagenfurt mobil
- austriatech
- L_nz
- SURAAA Smart Urban Region Austria Alps Adriatic
- LAND SALZBURG
- VERKEHRSAUSKUNFT ÖSTERREICH
- Stadt Wien
- WIENER LINIEN

Czechia
- Ministerstvo dopravy
- ŘEDITELSTVÍ SILNIC A DÁLNIC
- oltis group

Hungary
- Építési és Közlekedési Minisztérium
- BUDAPEST KÖZÚT
- MK MAGYAR KÖZÚT

Romania

Slovenia
- DARS
- REPUBLIKA SLOVENIJA MINISTRSTVO ZA INFRASTRUKTURO
- Mestna občina Ljubljana *City of Ljubljana*

Croatia
- HRVATSKE CESTE
- HRVATSKE AUTOCESTE
- BINA istra
- AZM
- REPUBLIC OF CROATIA Ministry of the Sea, Transport and Infrastructure

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Objectives

Overall goal: improved cross-border **cooperation***, deployment project*

- Improve **cross-border** traffic and transport
- implementing **harmonised and synchronised** ITS applications (high level road network)
- Increased focus on secondary road network and multimodality
- Availability of data and optimised **data exchange**
- Implementing C-ITS use cases in urban areas linked to high level road network

Improve cross-border traffic and transport

- cross-border traffic
- Harmonised ITS applications
- C-ITS in urban areas
- Multimodality
- Data exchange
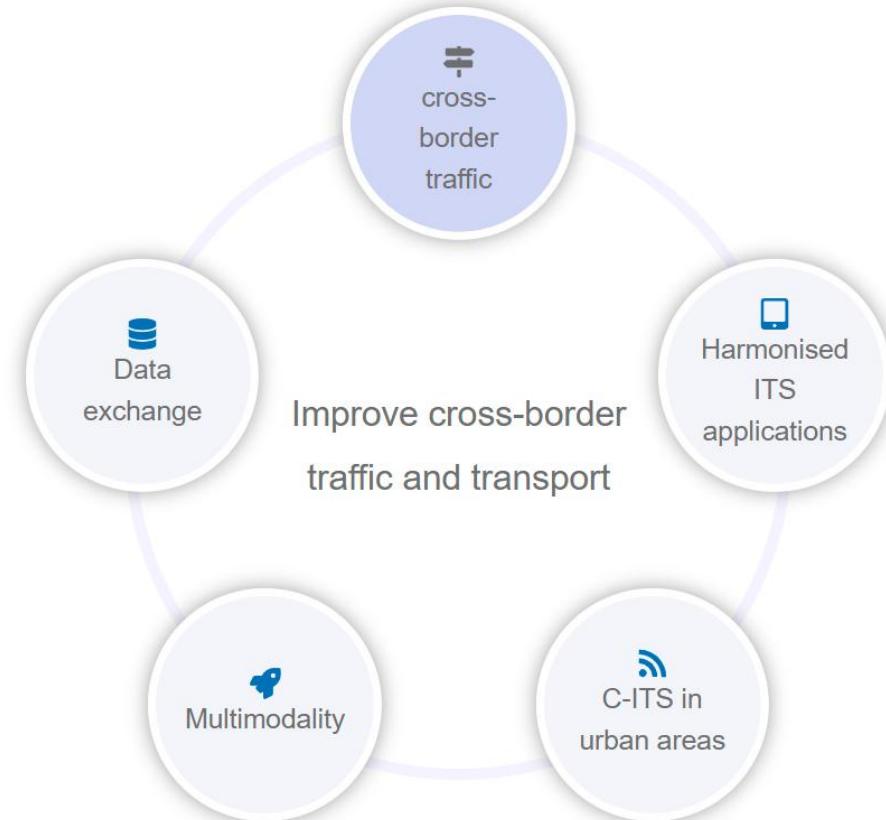
Cooperation

- Close contact to organisations and cities in the project
- Cooperation with other corridor projects (C-Roads, MERIDIAN & MATIS):
  - Joint workshop and presentations at NAPCORE Mobility Data Days 2024
  - Regular cross-corridor meetings every quarter
  - Signed MoU with C-Roads, MERIDIAN, MATIS, SCALE (ITS Conference Sevilla 2025)
- Consideration of C-Roads specifications / inclusion of X4ITS use cases at C-Roads user meetings
- Consideration of NAPCORE recommendations regarding requirements for National Access Point (NAP) upgrades

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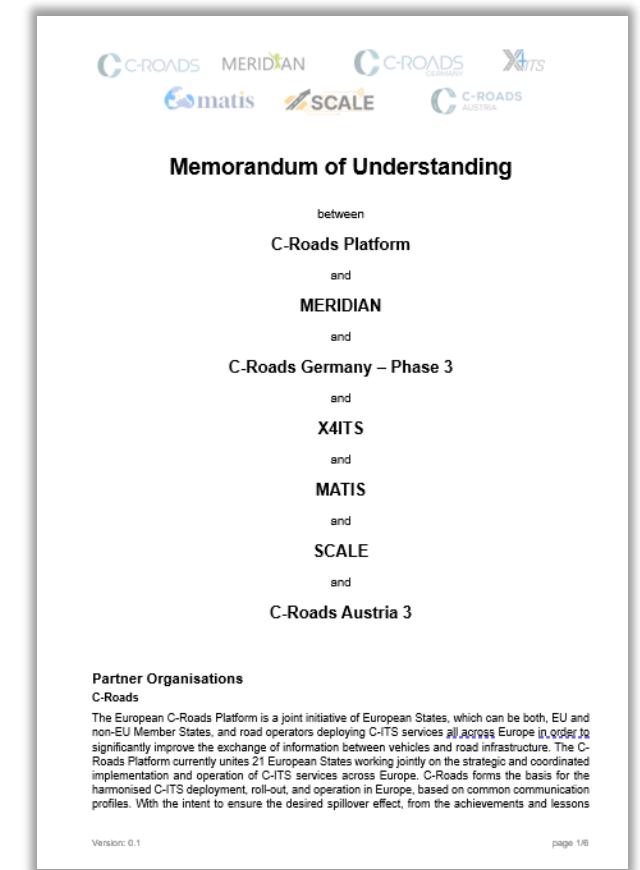
Harmonisation of ITS and C-ITS Services

## Cross-Border Harmonisation and Alignment

Cross-Border Harmonisation Matters

- Achieve interoperability of C-ITS systems along European transport corridors
- Align technical and organisational deployment activities across participating countries
- Deliver consistent, reliable information services to end users

- Implementations follow C-Roads Platform technical specifications
- Compliance with NAPCORE guidelines for upgrading NAPs
- Use of DATEX II as the common standard for ITS data exchange
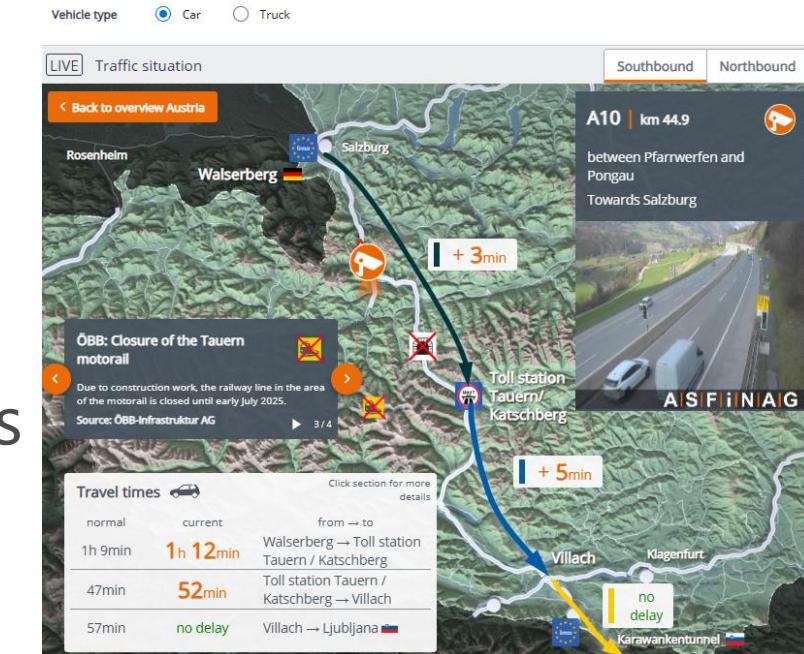
asfinag.at/reisezeiten

ITS and C-ITS Implementations

- Linking secondary roads and urban nodes with the TEN-T core network

- C-ITS use cases in urban areas to include public transport (prioritisation)

- Supporting multimodal mobility and integrated traffic management

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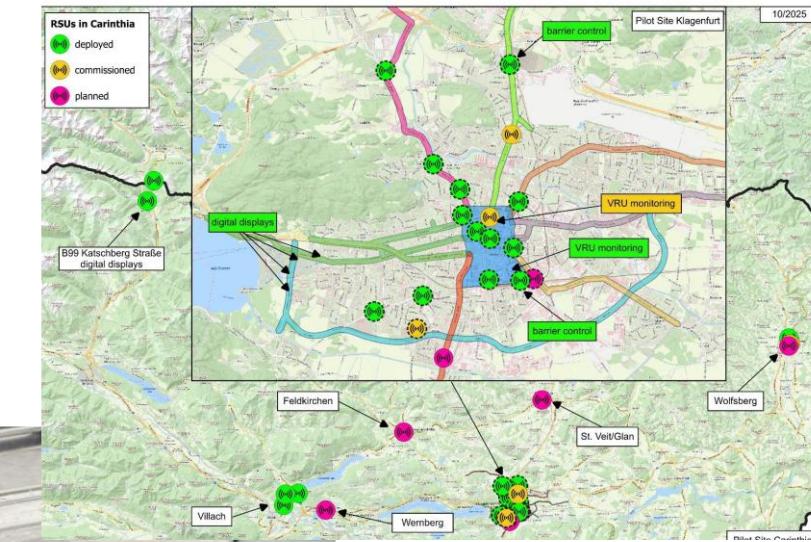
Cross-Border Traffic Management

- Implementation of Traffic Management Plans (TMPs) for coordinated operations

- TMPs enable data sharing across borders

- MoU of Motorway operators
  - Cooperation and exchange of traffic information

- Upgrading NAPs including coverage of secondary road networks

Memorandum of Understanding

Cooperation for Motorway Traffic Management

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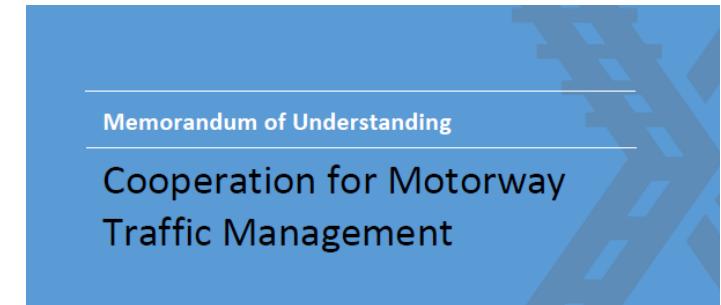
Outlook

Deliverables:

- Evaluation recommendations developed for partners
- Requirements of NAP upgrades defined
- Second Progress Report

Video:

https://www.youtube.com/watch?v=zbV7zzJ84lo

Milestones:

- Cross-border data and information exchange
- Upgrade, improvement, or development of end-user services
- C-ITS installations
- Upgrading NAPs and DATEX II nodes

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LinkedIn

Website

Thank you for your attention!

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