



X4ITS – A Danube Strategy Flagship Project

Martin Böhm, AustriaTech

03.12.2024



Interreg
Danube Region



Co-funded by
the European Union

City of
Vienna



Certificate

DANUBE STRATEGY FLAGSHIP

This certificate is proudly awarded to

X4ITS

Central European Cross-border Cooperation for ITS

Danube Strategy Flagships are projects or processes that contribute to the implementation of the EU Strategy for the Danube Region (EUSDR), have a clear macro-regional dimension and a multi-level governance approach. They are of high importance for the Danube Region's economic, social and territorial cohesion and for improving the quality of life in the Danube Region.

Danube Strategy Flagships strengthen internal and external communication of the Strategy and the visibility of the topics, initiatives and prospects in the Danube Region. They illustrate the progress achieved in implementing the EUSDR and demonstrate exemplarily significant improvement in the Region that is induced by cooperation.

EUSDR National Coordinators and Priority Area Coordinators with the respective Steering Groups, in their capacity as representatives and key implementers of the EUSDR, as well as the Danube Strategy Point, are committed to contribute to and promote Danube Strategy Flagships in accordance with the Guidance Paper for identifying and listing Danube Strategy Flagships.

Date: 22 July 2024



EUSDR Priority Area(s): PA 1b Rail-Road-Air Mobility

General project overview



Call CEF-T-2022 SIMOBGEN

- Continuation of CROCODILE

Duration

- 48 months, start 01/03/2023

Budget

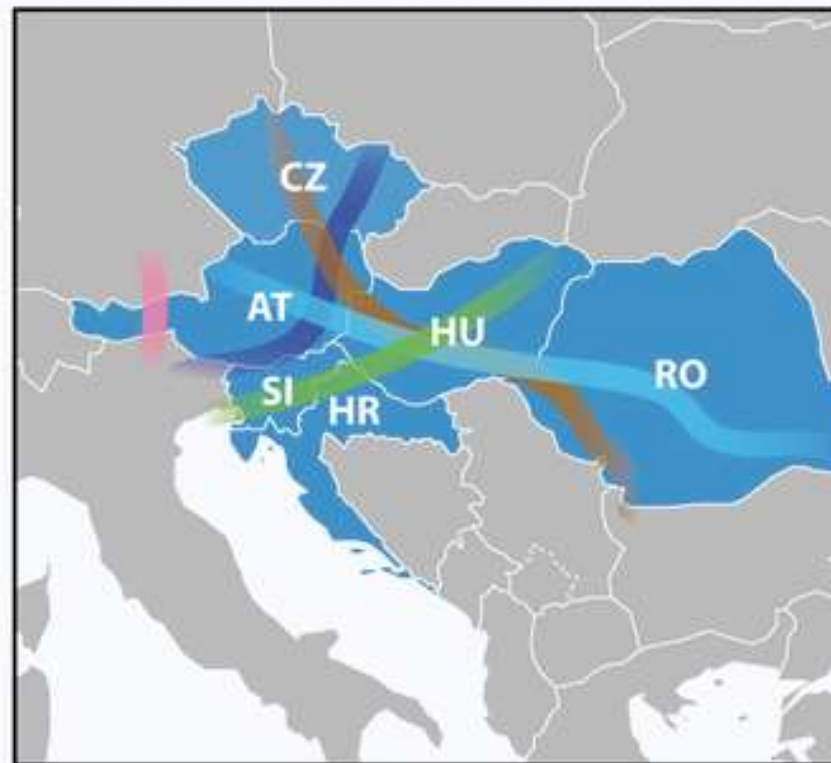
- Total costs € 64.786.741,00
- Funding 50%

Corridor – TEN-T core network

East and Central European (CE) area

- Baltic-Adriatic *CZ/AT/SI*
- Rhine-Danube *AT/HU/RO*
- Orient/East Med *CZ/AT/HU/RO*
- Mediterranean *SI/HR/HU*
- Scandinavian-Mediterranean *DE/AT*

28 Partners of 6 countries, Coordinator AT



Objectives X4ITS



- *Overall goal – improved cross-border cooperation, deployment project*
- Objectives
 - Improve cross-border traffic and transport
 - implementing harmonised and synchronised ITS applications (high level road network)
 - Implementing C-ITS use-cases in urban areas linked to high level road network
 - Increased focus on secondary road network and multimodality
 - Availability of data and optimized data exchange



ASFINAG

 Bundesministerium
Klimaschutz, Umwelt,
Energie, Mobilität,
Innovation und Technologie

LAND  KÄRNTEN

 **INSTITUT FÜR TECHNOLOGIE
UND ALTERNATIVE MOBILITÄT**


KLAGENFURT
AM WÖRTHERRSEE

Klagenfurt
mobil

austriatech

L_nz

SURAAA
Smart Urban Region Austria Alps Adriatic

Austria

 **LAND
SALZBURG**

 **VERKEHRS-AUSKUNFT
ÖSTERREICH**

 **Stadt
Wien**

 **WIENER LINIEN**

DARS **Slovenia**



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA INFRASTRUKTURO



Mestna občina Ljubljana
City of Ljubljana



Ministerstvo dopravy

oltis group



ŘEDITELSTVÍ
SILNIC
A DÁLNIC

Czechia

BUDAPEST  KÖZÚT



Hungary



Romania



Croatia



REPUBLIC OF CROATIA
Ministry of the Sea, Transport
and Infrastructure



**HRVATSKE
CESTE**



**HRVATSKE
AUTOCESTE**

Expected Outcomes



Planned installation of
Roadside Units

108



Planned installation of
Onboard Units

50



Planned implemented or
replaced Variable Message
Signs

200



Planned kilometres of
TEN-T roads equipped with
roadside data collection
equipment

1,138

Planned kilometres of
secondary roads equipped
with roadside data
collection equipment

643



Planned implemented or
replaced CCTV cameras

724



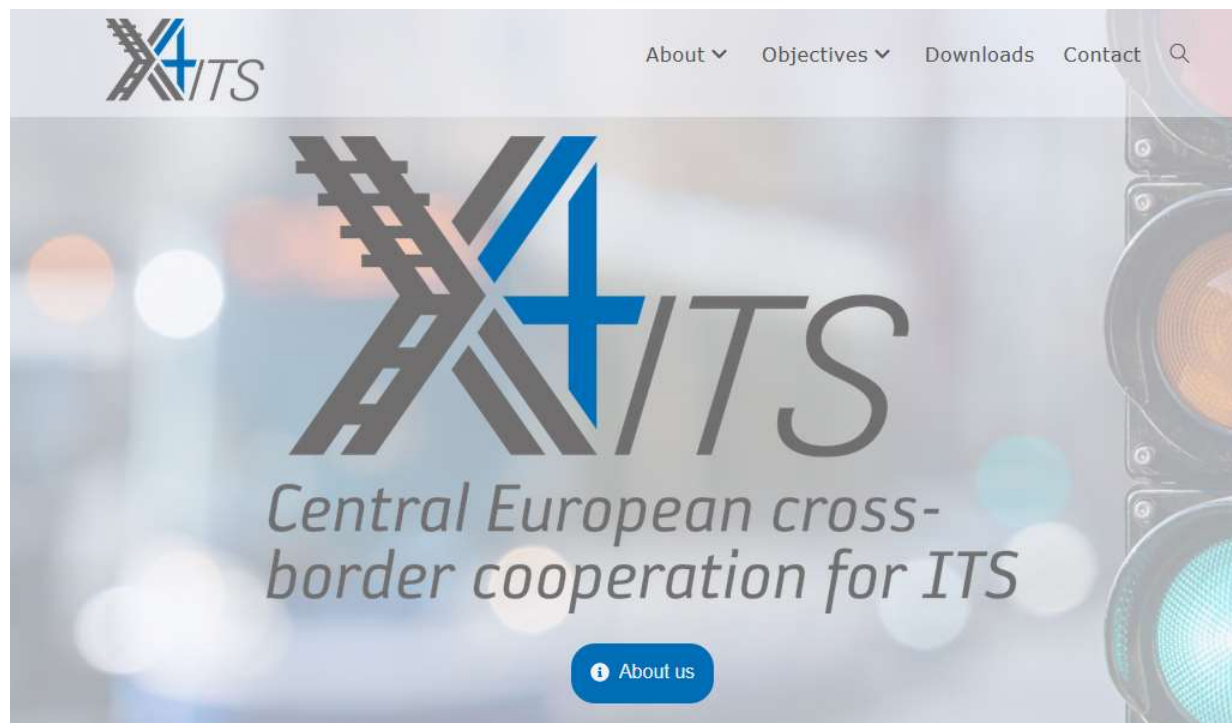
Planned multimodal or
urban hubs equipped with
digital infrastructure

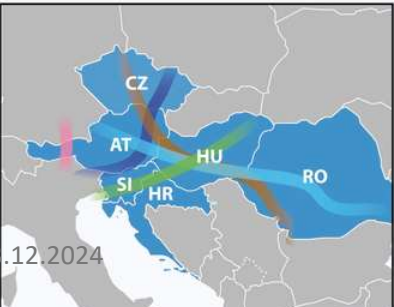
5

Planned kilometres of
secondary road network
equipped with digital
infrastructure


50


Homepage x4its.eu







Cross for ITS (X4ITS) strengthens the corridors of the Trans-European Transport Network (TEN-T) in Central and Eastern Europe. The X4ITS partners are working together on harmonised and synchronised cross-border Intelligent Transport Systems for a better connectivity in Europe.

 Cross-border cooperation - close collaboration and data exchange between project partners (Austria, Czech Republic, Hungary, Croatia, Romania, Slovenia)

 Cross-modal - multimodal implementation including common means of public transport like buses and trams, as well as private

	Planned kilometres of TEN-T roads equipped with roadside data collection equipment	1,138	Planned kilometres of secondary roads equipped with roadside data collection equipment	643	Roadside data collection equipment includes traffic detection systems including detection cameras, traffic counting stations as well as weather stations and cameras. All of these tools provide important information about road condition, leading to intelligent management.
	Planned multimodal or urban hubs equipped with digital infrastructure	5	Planned kilometres of secondary road network equipped with digital infrastructure	50	The digital infrastructure includes instruments such as variable message signs, CCTV cameras, and data collection equipment, as mentioned above. Infrastructure equipment will support management on the roads.

C-ITS deployment in cities

The X4ITS project involves the implementation of C-ITS applications in cities, with a focus on use cases that accelerate public transport and increase road safety.


The following sections provide information on implementations of the Austrian cities of Vienna, Klagenfurt, and Linz, as well as the cities of Ljubljana and Budapest.



LinkedIn Channel



Updates




X4ITS
 215 Follower:innen
 3 Tage · Bearbeitet

🚗 C-ITS is a reality in cities! 🚗


Curious about how C-ITS services are reshaping urban mobility? As urban areas continue to grow and face increasing challenges related to transportation, C-ITS implementations play a significant role in shaping the future of urban mobility. Dive into our updated website to explore the transformative impact of C-ITS in five vibrant cities (Vienna, Klagenfurt, Linz, Ljubljana, and Budapest) and discover how C-ITS services aren't just enhancing transportation on high-level networks but also fostering innovative mobility solutions within urban environments.

<https://lnkd.in/dzWqc3iE>


#CITS #UrbanMobility #Innovation #SmartCities #Transportation #saferoadstoday #X4ITS



Vienna




Klagenfurt




Linz

03.12.2024



Ljubljana



Budapest



X4ITS
 215 Follower:innen
 4 Monate · Bearbeitet

Happy faces at the X4ITS Kickoff Meeting in Vienna last Thursday! 😊

One of the highlights of the day was the opportunity to get to know each other. Building strong connections is at the heart of any successful project, and it was great to personally and virtually see most of the project members engaging, sharing ideas, and forging new connections.

The morning, preceding lunch, was dedicated to insightful introductions into organizational matters. Post-lunch, the participants had the opportunity to engage in interactive workshops.

Overall, it marked a successful and promising kickoff with a dynamic atmosphere. Looking forward to a collaborative and innovative journey ahead!

#CITS #ITS #Corridor #KickOff #Mobility #multimodal



X4ITS

1st Steering Committee – 15th May 2024 in Budapest, Hungary



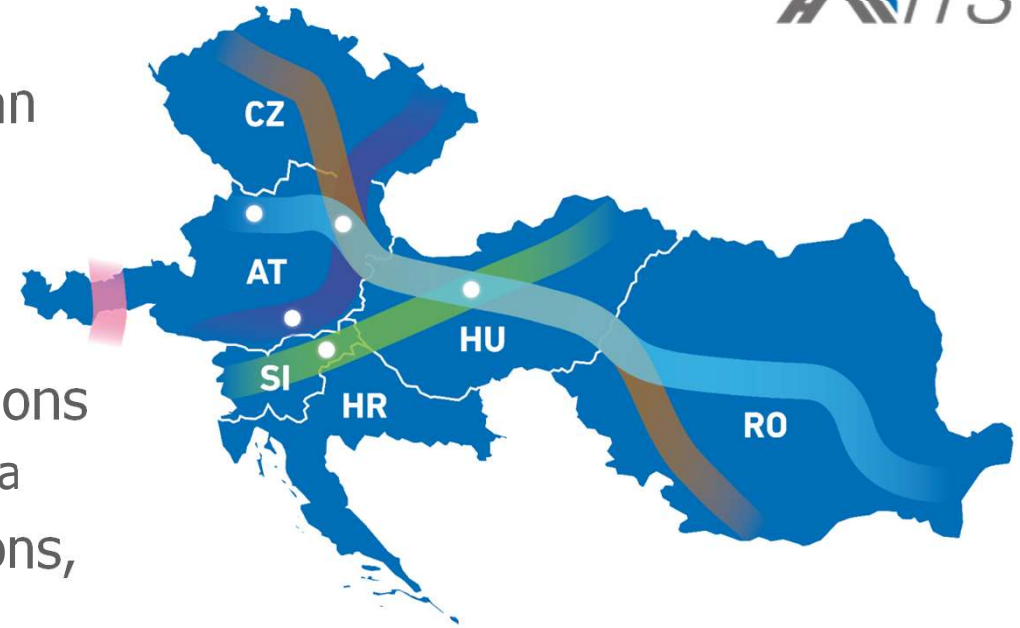
2nd Steering Committee – 28th August in Bucharest, Romania



Technical Workshop – „C-ITS and Urban Usecases“



- In close collaboration with the European C-Roads Platform
- City experiences
 - Kassel, Budapest, Vienna, Graz
- Cities in X4ITS – planned implementations
 - Ljubljana, Budapest, Vienna, Linz, Carinthia
- Discussion – learnings, recommendations, support needed, ...



Outlook 2025



- 3rd Steering Committee Meeting in Croatia
- 2nd Technical Workshop „Role of NAPs“
- 4th Steering Committee Meeting in Slovenia
- 3rd Technical Workshop „Connection of motorways and urban areas“

Cross-corridor Cooperation



- Quarterly exchange with other corridor projects – MERIDIAN & MATIS as well as harmonisation initiatives as NAPCORE & C-Roads
- Joint Declarations with MERIDIAN & MATIS for establishing joint interests
- NAPCORE Mobility Data Days 2023
- NAPCORE Mobility Data Days 2024



Added value Danube region



- Improved infrastructure & ITS services for the Danube region
- Contribution to traffic safety
- Cooperation across national borders including data availability
- Connection urban nodes & multi-modal integration
- Higher / secondary road-network



Follow up strategies and use of results



- Implementation in neighboring countries e.g., NAP upgrades according to NAPCORE recommendations
- Implementation of C-Roads specifications in national pilots - Feedback loop to the C-Roads Platform
- Further C-ITS use cases in urban areas
- Connection of urban nodes - multi-modal ITS
- Further follow-up project also conceivable with regard to “data collection”

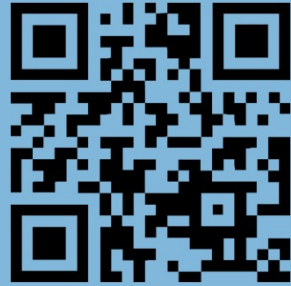
Video:

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

LinkedIn



Website



Stay in Touch

AustriaTech

Martin Böhm

Martin.boehm@austriatech.at

<https://x4its.eu>

