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X4ITS – Corridor project



Co-funded by
the European Union

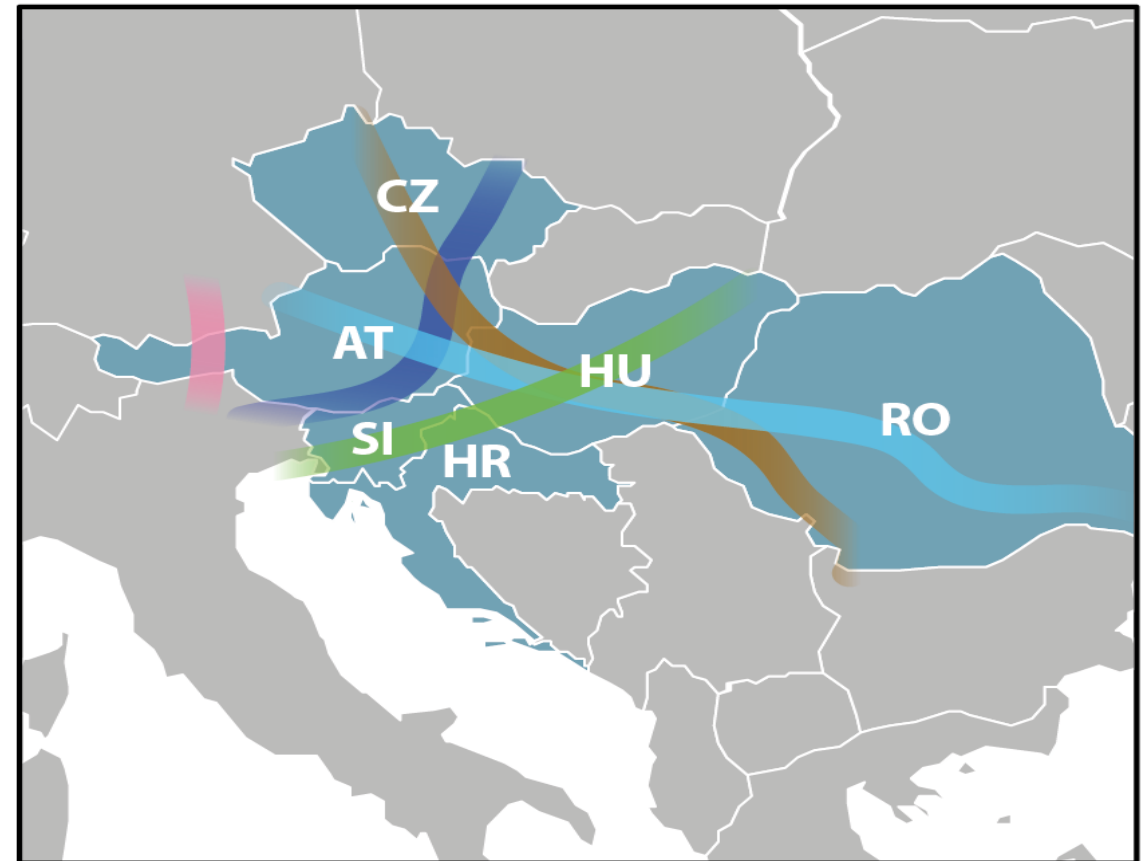
Central European cross border
cooperation for ITS

General project overview



General project overview I

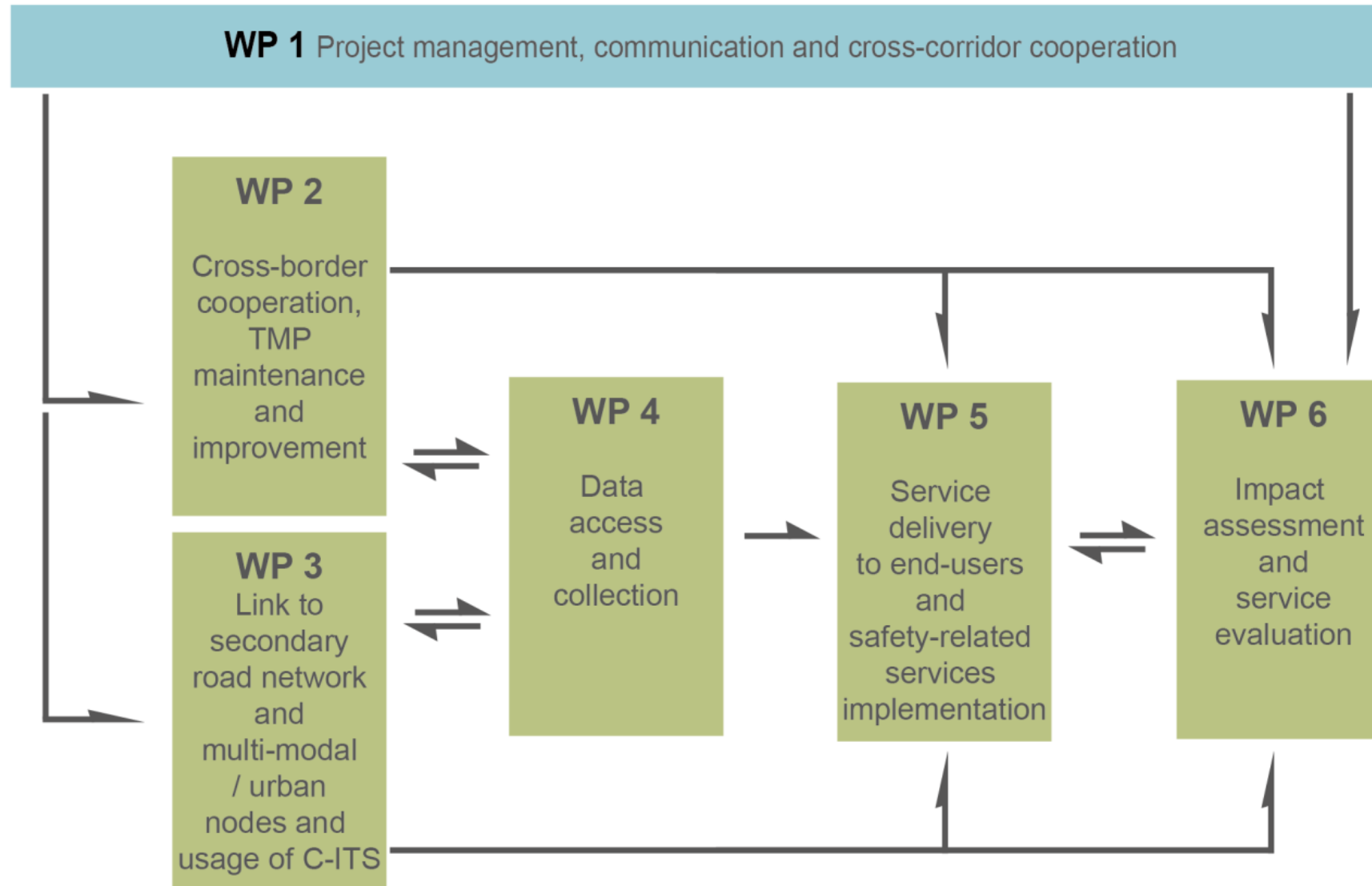
- Call CEF-T-2022 SIMOBGEN
 - Continuation of CROCODILE
- Duration
 - 48 months, start 01/03/2023
- Budget
 - Total costs € 64.786.741,00
 - Funding € 32.393.370,50
- Corridor – TEN-T core network East and Central European (CE) area
 - Baltic-Adriatic *CZ/AT/SI*
 - Rhine-Danube *AT/HU/RO*
 - Orient/East Med *CZ/AT/HU/RO*
 - Mediterranean *SI/HR/HU*
 - Scandinavian-Mediterranean *DE/AT*
- 28 Partners of 6 countries, Coordinator ATE



General project overview II

- *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 usecases in urban areas linked to high level road network
 - Increased focus on secondary road network and multimodality
 - Availability of data and optimized data exchange
- Expected Impact
 - Interconnection with other corridor projects
 - Exchange of Traffic Management Plans
 - Links to other modes e.g. railway stations
 - Usage of C-ITS
 - Implementation of DATEX II nodes
 - Implement and upgrade ITS infrastructure
 - Upgrading of National Access Points
 - Cross-border information service
 - Safety-critical services
 - Impact assessment and Evaluation

Work packages overview



WP 1 Projectmanagement, communication and cross-corridor cooperation

- Management & cooperation
- Interconnection with other corridor projects and european initiatives

Activities include:

1.1 Project Management

1.2 Communication and Dissemination

1.3 Cross-corridor cooperation

1.4 Support evaluation and impact assessment

WP 2 Cross-border cooperation, TMP maintenance and improvement

- Initiate and renew cross-border cooperation between road operators and service providers
- maintain existing TMPs and set new ones up

Activities include:

- 2.1 Cross-border cooperation between road operators and service providers
- 2.2 **Traffic Management Plans** maintenance and improvement
- 2.3 Monitor cross-border traffic flows and waiting times

- Establish technical and organisational links to secondary road network and closing gap to urban areas, public and multi-modal transport
- Implementing (C-)ITS Services

Activities include:

3.1 Link to multi-modal and/ or urban nodes

3.2 **Link to secondary road network**

3.3 Usage of C-ITS in urban areas

3.4 Enhancements of the National Dynamic Traffic Simulation Models

WP 4 Data access and collection

- Improve data accessibility, exchange, necessary implementation of ITS infrastructure
- Upgrade of NAPs in accordance to Delegated Regulations

Activities include:

- 4.1 **DATEX II node implementation**, profile and protocol harmonization
- 4.2 **Upgrade of National Access Points**
- 4.3 Traffic Control Centres / Traffic Management Centres Upgrades
- 4.4 Deployment/ upgrade of roadside data collection equipment for ITS services
- 4.5 Static and dynamic motorway road network infrastructure digitalisation

- Upgrade / development of end user services, improving actual channels to travelers
- Safety critical information

Activities include:

- 5.1 Upgrade, improve and/ or develop new **end-user services**
- 5.2 Enhance the provision of safety-related information

WP 6 Impact assessment and service evaluation

- Evaluation of selected cross-border services
- Impact assessment based on methodology according to WP1

Activities include:

- 6.1 Evaluation and quality assessment of (cross-border) services
- 6.2 Evaluation and impact assessment

Connection to NAPCORE



Connection to NAPCORE

Overall: *enlarged cooperation*

Exchange and draw from each other experiences

Implementing recommendations

Close gaps concerning:

- National Access Points (NAPs)
 - Upgrading NAPs – ensure access to Data, new requirements as set in RTTI regulation
 - Austria, Hungary, Czechia, Romania and Croatia
 - Implement recommendations regarding NAPs resulting of NAPCORE



Connection to NAPCORE

- Data exchange standards
 - Supporting ITS directive to form a basis for service deployments → implementation of regulations (RTTI, SRTI, MMTIS)
 - Implementation of DATEX II nodes: common profiling, minimum quality parameters, data exchange
 - Existing DATEX II nodes of Hungary and Slovenia will be upgraded; Czechia will upgrade datasets
- Data collection
 - Deployment/upgrade of roadside data collection equipment (HU, SI, RO, HR)
 - Digitising video surveillance and detection system (HR, SI)

Current status and next steps



Current status

- **Grant agreement** – signed by AustriaTech as Coordinator and CINEA as funding agency, signing Beneficiaries until 6th of November
- **Consortium agreement** – finalized, awaiting feedback
- **Communication** will be set up (Website, Social media)

Next steps

- **Kick-Off Meeting: 7th December**
- Next milestones
 - M1: Kick Off Meeting held – Nov 2023
 - M5: Monitoring tool is set up – Nov 2023
 - M6: Website & social media presence are ready – Feb 2024
 - M7: Cross corridor cooperation activities & platform cooperation startet – Feb 2024
- Next deliverables
 - D 1.6 Video – Feb 2024
 - D 1.4 Progress report – April 2024
 - D.1.7 Fact sheet – May 2024

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Thank you for your attention!

AustriaTech – Gesellschaft des Bundes für
technologienpolitische Maßnahmen GmbH

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Back Up



Timeline & Deadlines

Deadline	To Do	Responsible
Until 17 th July:	First complete draft/ adaption of Work Package content and related budget from all partners	All
Until 20th July (official):	LEAR (Legal Entity Appointed Representative) is appointed and validated Please be sure who the LEAR is for your organization – this will be important later on for the appointment of the legal signatories for the project.	All
On 24 th July:	Consolidation: Coordinator with CINEA PO	Coordinator
Until 21 st Aug:	CINEA feedback is integrated and final draft on budget and Work Package content from all partners is elaborated – send to CINEA	All
Beginning of Sept:	Meeting with CINEA to start finalization of Grant Agreement content	Coordinator
After CINEA Meeting:	Integration of the Grant Agreement data into the online tool (SyGMA)	Coordinator
	Signing of the Declarations of Honour (DoH) by all partners	All
<u>Official final deadline - 20th October:</u>	Signature of Grant Agreement (EC & Coordinator) and “Accession forms” (all partners)	All

- In CEF 2022 two corridor projects were granted X4ITS & MATIS (ES, FR, IT, PT)
 - Not enough funding money – projects both with budget reductions and same cut!
 - Both were granted because of the cross-border impact as well as cooperation aspect – stand alone/ national projects were not granted
 - Currently three ITS Corridors (MERIDIAN, MATIS, X4ITS) – ambition of CINEA to harmonise the Corridors
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Austria:

- AUSTRIATECH - GESELLSCHAFT DES BUNDES FÜR TECHNOLOGIEPOLITISCHE MASSNAHMEN GMBH (Coordinator)
- AUTOBAHNEN- UND SCHNELLSTRASSEN-FINANZIERUNGS- AKTIENGESELLSCHAFT
- BUNDESMINISTERIUM FÜR KLIMASCHUTZ, UMWELT, ENERGIE, MOBILITÄT, INNOVATION UND TECHNOLOGIE (Associated)
- STADT LINZ
- AMT DER SALZBURGER LANDESREGIERUNG
- WIENER LINIEN GMBH & CO KG (Associated)
- Stadt Wien
- AMT DER KÄRNTEN LANDESREGIERUNG
- MAGISTRAT DER LANDESHAUPTSTADT KLAGENFURT
 - KMG KLAGENFURT MOBIL GMBH
- PDCP GMBH
- INSTITUT FÜR TECHNOLOGIE UND ALTERNATIVE MOBILITÄT
- Verkehrsbetriebe Österreich VAO GmbH

Czech Republic:

- Česká republika - Ministerstvo dopravy
- OLTIS GROUP AS
- REDTELSTVI SILNIC A DALNIC CR

Croatia:

- MINISTARSTVO MORA, PROMETA I INFRASTRUKTURE
 - HRVATSKE CESTE DRUŠTVO S OGRANICENOM ODGOVORNOSCU ZA UPRAVLJANJE GRADENJE I ODRZAVANJE DRZAVNIH CESTA
 - Hrvatske autoceste d.o.o.
 - Bina - Istra d.d.
 - Autocesta Zagreb-Macelj d.o.o.

Hungary:

- BUDAPEST KOZUT ZARTKORUEN MUKODO RESZVENYTARSASAG
- MAGYAR KOZUT NONPROFIT ZARTKORUEN MUKODO RESZVENYTARSASAG
- EPITESI ES KOZLEKEDESI MINISZTERIUM

Romania:

- COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE SA

Slovenia:

- MESTNA OBČINA LJUBLJANA
- MINISTRSTVO ZA INFRASTRUKTURO
 - DRUŽBA ZA AVTOCESTE V REPUBLIKI SLOVENIJI D.D