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European Union European Regional Development Fund
TRANS TRITIA

D.T1.1.4 Report
D.T1.1.8 Strategic workshop 02.2020

Strategic projects supporting development of freight transport on TRITIA area

Report: Strategic projects supporting development of freight transport on TRITIA territory (D.T1.1.4)

Venue : "Nowe Gliwice" Business and Education Center, Gliwice, Poland
Date : 15.05.2019

Responsible Partner:
PP1 Upper Silesian Agency for Entrepreneurship and Development LTD.

Contribution partners:
PP3 The Union for the Development of the Moravian Silesian Region
PP4 Transport Research Institute, JSC.
PP5 Dopravní projektování
PP6 University of Žilina

Content:

2. Report

2.1 Main projects

Based on the strategic objectives for the development of multimodal freight and discussions with key stakeholders, held in joint workshops:

- Workshop – Strategic projects supporting development of freight transport on TRITIA territory - 15.05.2019,
- Consultations in the Marshal Offices of each partner country with local authorities responsible for implementing regional projects - 28.06.2019 Żylina, 02.07.2019 Katowice, 03.07.2019 Ostrava, 15.07.2019 Opole
- Consultations the Members of the Steering Committee – Gliwice, 30.07.2019 and Cieszyn 24.10.2019,
- Consultations with the Director of EGTC TRITIA Ms. Marta Sláviková – Cieszyn 07.10.2019,
- Consultations with representatives of Urząd Żeglugi Śródlądowej (Inland Management Authority) – in Kędzierzyn– Koźle and Wrocław – 07.02.2020 and 31.01.2020 - the meetings were dedicated to the discussion about the Odra Commission Project as a part of Sub-Strategy Project within the Regional Multimodal Freight Transport Strategy.

Main projects were identified by project partners and stakeholders in two main groups: organizational projects and infrastructure projects.

Organizational project in the TRITIA area	Infrastructure project in the TRITIA area
Model of coordination of the multimodal freight transport network in the TRITIA area	Construction of the D-O-E waterway, section Kędzierzyn-Koźle - Ostrava
Odra Commission	Completion of the Oder waterway up to Ostrava
Modelling of logistics centres networks and multimodal terminals	Airports development (Mošnov, Pyrzowice, Żylina)
The concept of determining the external costs of freight transport	Construction of the Śląski Canal
Analysis of disruptions in freight transport that are the result of infrastructure sharing	Modernization of the Gliwicki Canal
System of data collection in freight transport	Building the new roads infrastructure and modernization of the road network to the 115 kN/axle load transfer, including the development of road safety infrastructure
Electromobility centres in the freight transport system in the TRITIA area	Building an International Class Danube-Oder-Elbe Inland Waterway Link that conforms to the requirements of an international class
Monitoring of the development of the TEN-T network - including roads, railways, inland waterways in the TRITIA area	Improvement of terminals connections with road, railway and inland waterways transport networks, in particular with national transport nodes
Technology Observatory in entrepreneurial discovery process: Logistics and transport	Modernisation and expansion of existing multimodal transport terminals, construction of new terminals

Monitoring of the development of roads, railways, inland waterways networks and point infrastructure	Development of inter-branch transhipment technologies
Monitoring of Intelligent Transport Systems further deployment	Modernization of railway infrastructure including corridor PL/CZ/SK border crossing
Alternative scenario of multimodal freight transport development	

As a result of consultation with the socio-economic environment, three key strategic projects were identified and refined:

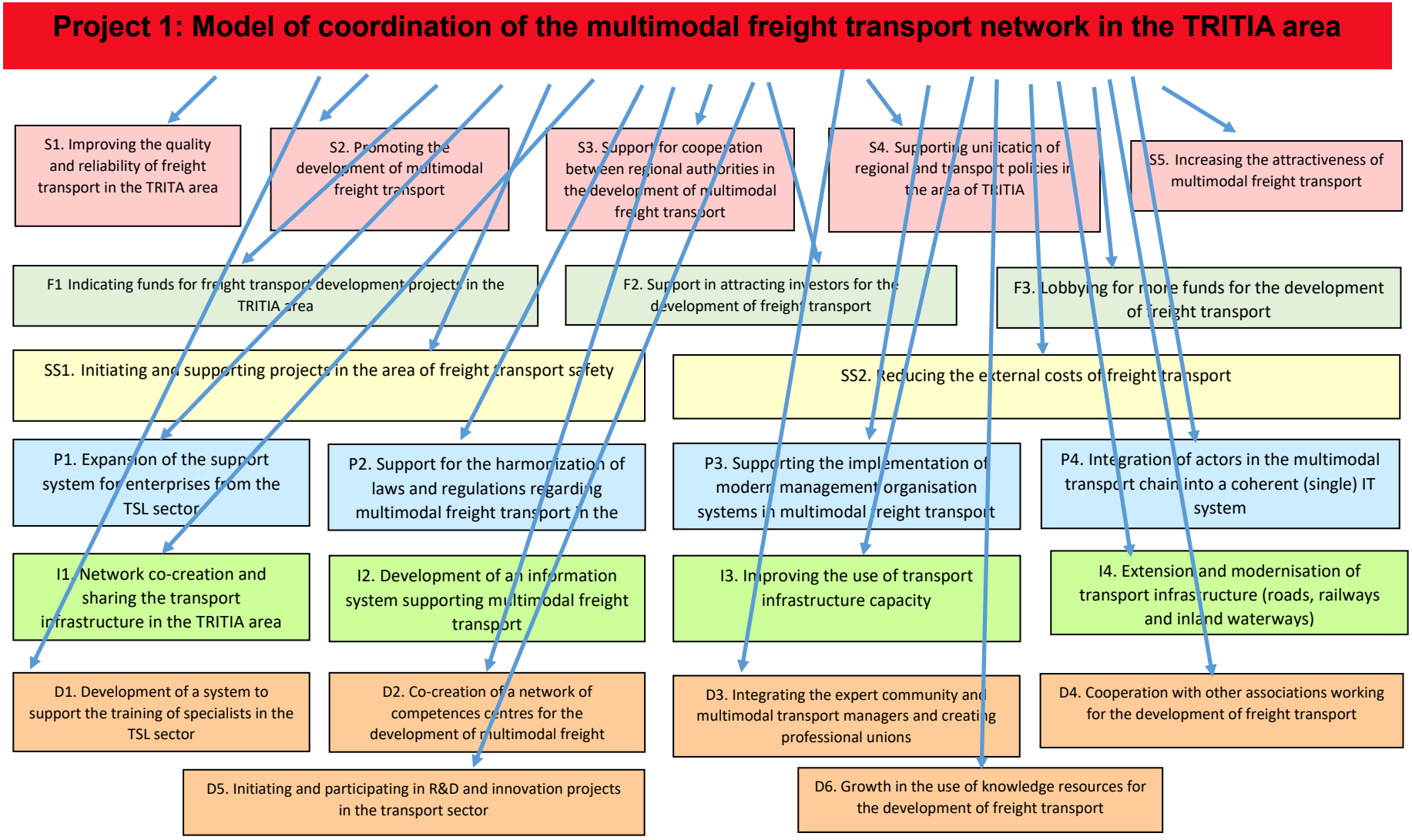
1. Model of coordination of the multimodal freight transport network in the TRITIA area
2. Technology Observatory in entrepreneurial discovery process: Logistics and transport
3. Innovative centres for sustainable freight flows in the TRITIA area

Other organizational projects were included in the proposed strategic projects.

In addition to organizational projects, infrastructure projects will be defined in the TRITIA area for individual transport branches. They will be identified in the next stage of design work. This is the result of the need to complete work on the transport model in the TRITIA area (WPT3 activities). In addition, infrastructure projects will be subject to identification and prioritization at the stage of creating transport cross-border action plans for each country.

1.2 Relation between projects and strategic goals with short description

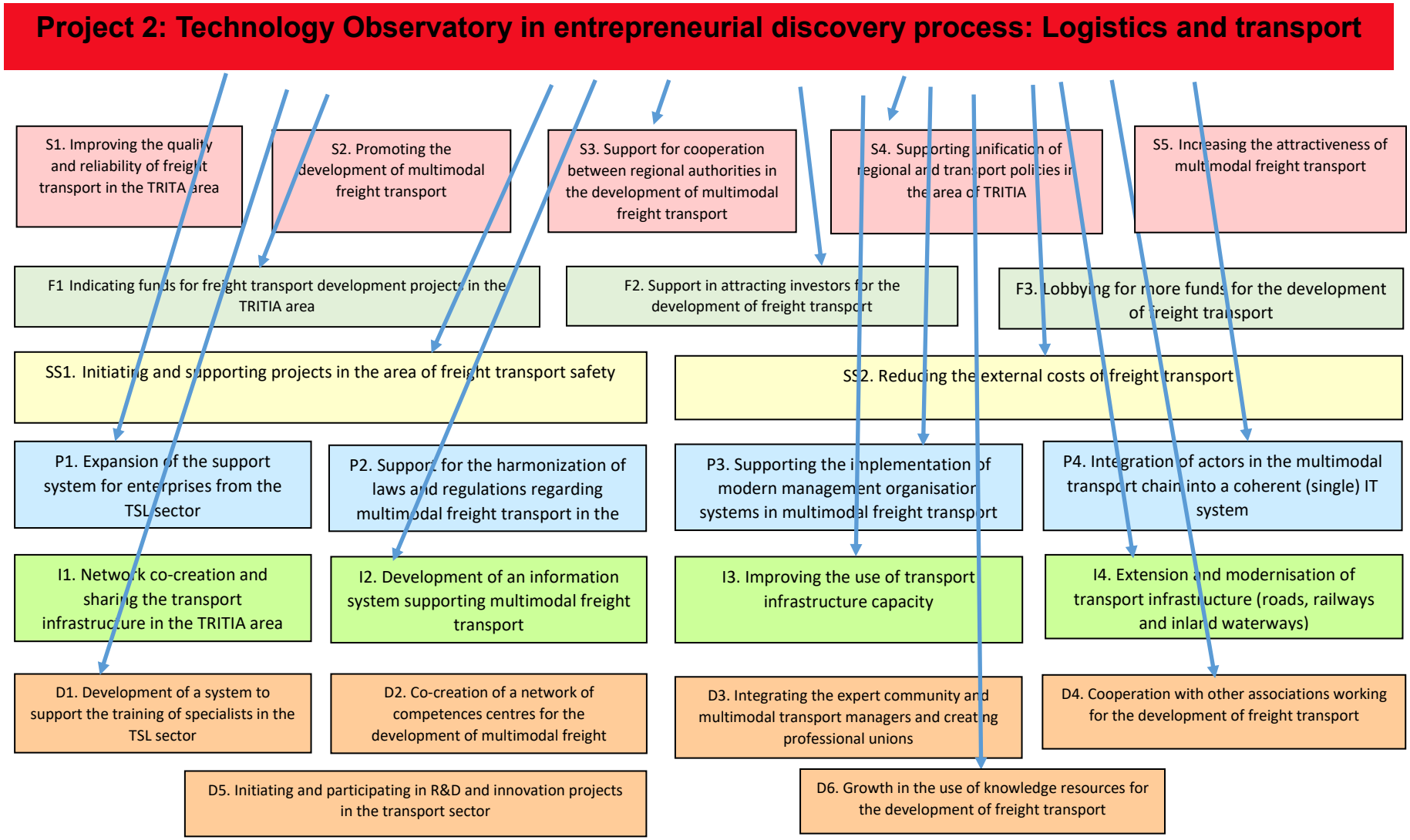
1.2.1 PROJECT 1. MODEL OF COORDINATION OF THE MULTIMODAL FREIGHT TRANSPORT NETWORK IN THE TRITIA AREA



Project aim:	The aim of the project will be to develop a model of multimodal transport network coordination for the TRITIA area. The subject matter of the project will be strongly in line with the guidelines of modern transport policy, emphasizing the need to build an integrated and sustainable multi-branch transport system.
Included projects:	1. Modelling of logistics centres networks and multimodal terminals 2. Alternative scenario of multimodal freight transport development 3. Odra Commission 4. Multimodal freight transport cluster
The scope of the project:	• selection of the method and mechanisms of coordination of the multimodal transport network in the TRITIA area. • design of innovative transport traffic management systems contributing to the reduction of environmental pressures generated by road transport • developing cooperation platform including an information system for multimodal transport networks. • based on data obtained from the Observatory, creating alternative scenarios for the development of multimodal transport in the Tritia area. The coordination model will take into account the available logistics infrastructure and its changes, network actors, as well as current and forecast freight flows in the network under study. • initiating and support network cooperation at the level of supply chains, logistics organizations and other multimodal transport stakeholders • lobbying for support for the development of multimodal transport, including harmonization of regulations
Relation to strategic goals	S1, S2, S3, S4, S5, F1, F2, F3, SS1, SS2, P1, P2, P3, P4, I1, I3, I4, D1, D2,D3, D4, D5, D6
Level of importance	High

Project Leader:	Upper Silesian Agency for Entrepreneurship and Development Ltd., Silesian University of Technology, EGTC TRITIA, R&D Institutes from Czech Republic, Poland, Slovakia
Source of funding:	Interreg EUROPE, Interreg Central Europe, Interreg CZ-PL incl. SK), budgetary resources, etc.
Term (period) of implementation (plan)	2020-2030

1.2.2. PROJECT 2: TECHNOLOGY OBSERVATORY IN ENTREPRENEURIAL DISCOVERY PROCESS: LOGISTICS AND TRANSPORT

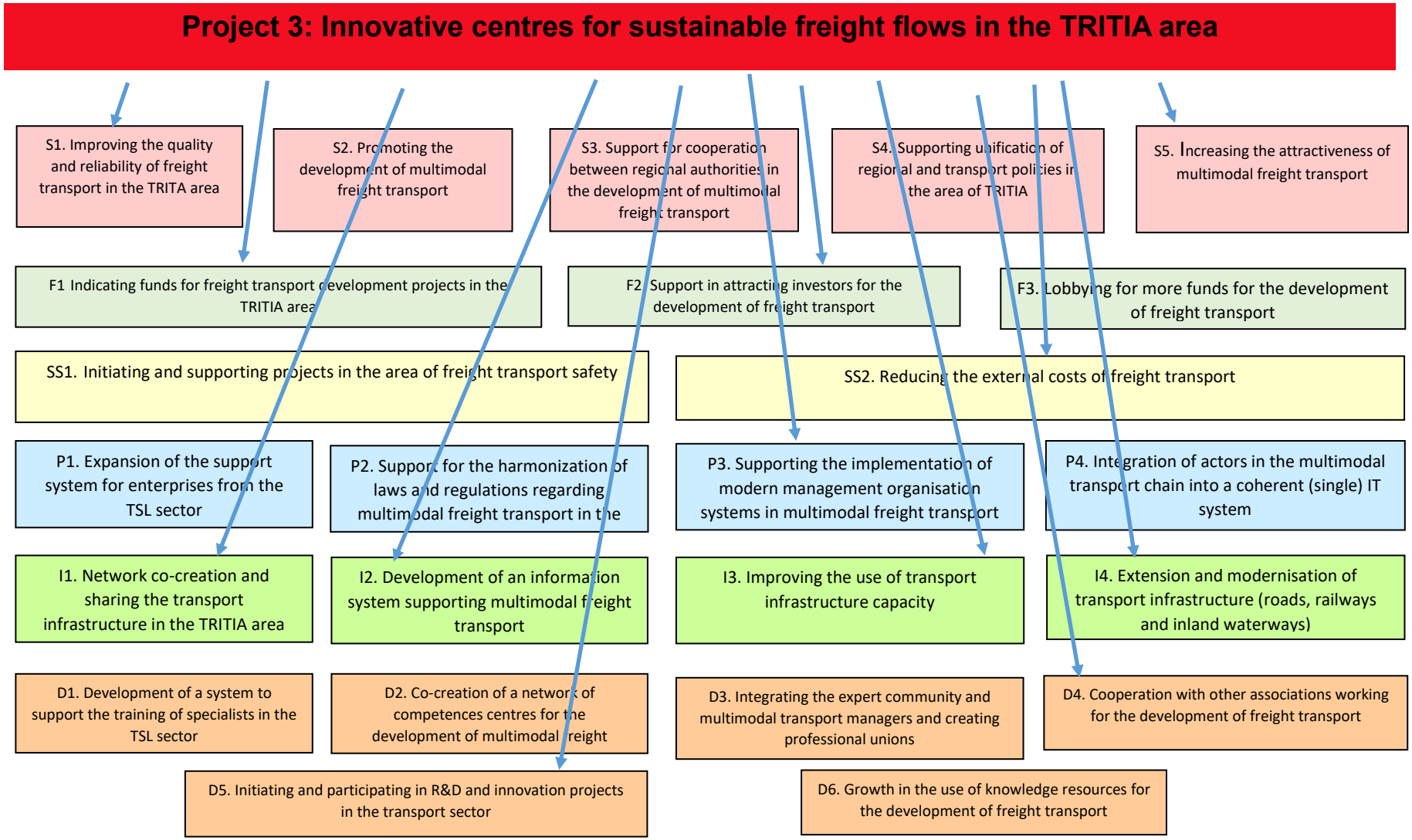


PROJECT DESCRIPTION: TECHNOLOGY OBSERVATORY IN ENTREPRENEURIAL DISCOVERY PROCESS: LOGISTICS AND TRANSPORT

Project aim:	The goal of the project is to launch a specialized observatory that will be responsible for observing technological and market trends in the development of intermodal transport in the cross-border area TRITIA. The observatory will respond to the specific needs of the actors of the intermodal transport ecosystem of the Śląskie Voivodship, Opolskie Voivodship, the Local Government of the Žilina Region and the Moravian-Silesian Region in the scope of supporting and tracking the development of intermodal transport, positioning its key technological areas and assessing the effectiveness of its development activities.
Included projects:	1. The concept of determining the external costs of freight transport 2. Analysis of disruptions in freight transport that are the result of infrastructure sharing 3. System of data collection in freight transport 4. Monitoring of the development of the TEN-T network - including roads, railways, inland waterways in the TRITIA area 5. Monitoring of the development of roads, railways, inland waterways networks and point infrastructure 6. Monitoring of Intelligent Transport Systems further deployment
The scope of the project (main topics)	The activities of the observatory will include the collection and processing of specialized knowledge about technological and infrastructural areas, monitoring the implementation of multimodal transport development strategies; technological trends and infrastructure development, and an assessment of the endogenous potential of the TRITIA region in the development of intermodal transport. The scope of the project will include the following tasks: • mapping of the multimodal transport system in the TRITIA area • mapping relations in the multimodal transport network of the TRITIA area • the assessment of transport and logistics potential • cooperation for the development of the transport and logistics in the TRITIA

	• monitoring of the development of the TEN –T network and infrastructure (roads, railways, inland waterways networks and point) • lobbying to establish an intergovernmental organisation that guarantees freedom of navigation and equal treatment for all banners on the Oder comparison of application of externalities in freight transport, incl. charges for the use of transport infrastructure; elaborating maps of pilots projects before and after the full application of externalities (within TRITIA area);
Relation to strategic goals	S3, S4, F1, F2, SS1, SS2, P1, P3, P4, I2, I3, I4, D1, D4, D6
Level of importance	High
Project Leader	Upper Silesian Agency for Entrepreneurship and Development Ltd., Silesian University of Technology, EGTC TRITIA, R&D Institutes from Czech Republic, Poland, Slovakia
Source of funding	Interreg EUROPE, Interreg Central Europe, Interreg CZ-PL incl. SK), etc.
Term (period) of implementation (plan)	2020 - 2025

1.2.3. PROJECT 3: INNOVATIVE CENTRES FOR SUSTAINABLE FREIGHT FLOWS IN THE TRITIA AREA



PROJECT DESCRIPTION: INNOVATIVE CENTRES FOR SUSTAINABLE FREIGHT FLOWS IN THE TRITIA AREA

Project aim:	Designing innovative service centres in the TRITIA area enabling the implementation of sustainable freight flows using vehicles with alternative propulsion sources. The project is part of the requirements of the transport policy of the European Union countries and the guidelines related to the need to develop electromobility and alternative fuels. The scope of the project covers freight transport previously omitted in projects related to electromobility.
Included projects:	1. Modelling of the network of innovative freight transport service centres in the TRITA area, including in their infrastructure power stations into alternative propulsion sources 2. Designing innovative solutions for alternative vehicle power sources 3. Forecasting freight flow streams taking into account the environmental impact of alternative propulsion sources used in TRITIA The project is highly dependent on infrastructure projects.
The scope of the project (main topics)	• research on current and emerging technologies for alternative propulsion sources; • mapping the type and size of freight streams in the TRITIA area; • analysis of the structure of transported loads, taking into account various modes of transport; • analysis of organizational and legal possibilities and restrictions in the scope of designing innovative centres for realization of balanced goods flows; • analysis of the possibilities and restrictions of using vehicles with alternative propulsion sources in the TRITA area. Both freight-based (last mile) and heavy goods vehicles will be included here • mapping the existing supply network of commercial vehicles and trucks to alternative power source

	• configuration of the network of innovative freight transport service centres in the TRITA area, including in their infrastructure power stations into alternative propulsion sources • analysis of environmental benefits resulting from the increased share of electric vehicles or with an alternative drive to achieve freight flows (comparison of external transport costs
Relation to strategic goals	S1, S5, F1, F2, SS2, P3, I1, I2, I3, I4, D4, D5
Level of importance	High
Project Leader	Silesian University of Technology, Upper Silesian Agency for Entrepreneurship and Development Ltd., EGTC TRITIA, R&D Institutes from Czech Republic, Poland, Slovakia
Source of funding:	Horizon EUROPE The next EU Research & Innovation Programme 2021-2027
Term (period) of implementation (plan)	**2021-2027**