



BOOSTLOG PROJECT

DELIVERABLE REPORT

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The BOOSTLOG project consortium consists of:

Part. No	Participant organisation name (short name)	Country
1 (Coordinator)	Alliance for Logistics Innovation through Collaboration in Europe, ALICE AISBL (ALICE)	BE
2	STICHTING SMART FREIGHT CENTRE (SFC)	NL
3	FUNDACION ZARAGOZA LOGISTICS CENTER (ZLC)	ES
4	STICHTING TKI LOGISTIEK (TKI Dinalog)	NL
5	HACON INGENIEURGESELLSCHAFT MBH (HACON)	BE
6	INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS (ICCS)	GR
7	Vlaams Instituut voor de Logistiek VZW (VIL)	BE
8	FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. (Fraunhofer)	GE
9	FIT Consulting SRL (FIT)	IT
10	FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT (VPF)	ES
11	TECHNISCHE UNIVERSITEIT DELFT (TU Delft)	NL
12	EUROPEAN ROAD TRANSPORT TELEMATICSIMPLEMENTATION COORDINATION ORGANISATION - INTELLIGENT TRANSPORT SYSTEMS & SERVICES EUROPE (ERTICO ITS EUR)	BE
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EXECUTIVE SUMMARY

This report summarises impact the BOOSTLOG project has made in the first 18 months. The BOOSTLOG's impact is assessed according to list of Impact Indicators set in the Grant Agreement.

The project has carried out extensive review into past R&I projects to evaluate impacts of such projects, identify key outcomes and successful implementation cases. The project has successfully engaged with all types of stakeholders identified in D5.1 Stakeholder engagement, dissemination and exploitation plan, raised awareness of the importance of implementation of R&I projects, promoted best practices, thus boosting impacts of R&I projects for the logistics sector.

The report also summarises risk management in this period. The risk management has been following the principles set in D1.1 Project Management Handbook. By anticipation of potential risks and taking appropriate measures to manage risks, the project has been able to deliver expected results.

1 Introduction: what impacts expected?

BOOSTLOG vision is that *“European freight transport and logistics R&I ecosystem performs optimally boosting impact generation out of R&I investment contributing to EU policy objectives and companies' sustainability and competitiveness generating value for society”*. There are two main elements in this vision relevant to generate impact:

- the word “ecosystem” and
- the stakeholder groups (identified as R&D, companies, government and civil society).

The BOOSTLOG project consortium has been collaborating, sharing and progressing together with stakeholders in the logistics innovation ecosystem to reach impacts expected. BOOSTLOG has followed the work plan focussed on the engagement with stakeholders to share and discuss, to build consensus, to make the stakeholders feel to be part of the progress.

BOOSTLOG is at a critical moment when the new research programme, Horizon Europe, is being launched. BOOSTLOG is aimed not only advising the European Commission on priorities in logistics innovation, it also communicates successful examples (implementation cases) and lessons learnt from implementing R&I project outcomes to all stakeholders in the logistics innovation ecosystem to inspire project practitioners, industry stakeholders, innovation seekers and investors on how to exploit R&I fundings and project outcomes.

In the first 18 months of the project, travelling was still challenging due to COVID measures in Europe and worldwide and in-person meetings were still not feasible for most of the time. Online meetings/events were normal. BOOSTLOG is using this opportunity to work differently, to rely on more frequent contacts with the stakeholders making use of the digital formats that allow the project to organise online events to collaborate, share and progress together with various stakeholders.



2 Impact Indicator Report for the first 18 months of the BOOSTLOG project

BOOSTLOG IMPACT OBJECTIVES related WPs/Tasks	KPIs/Target at the end of the project	Achievements in the first 18 months
<p>I.1 EU funded R&I projects results are easy to find by Stakeholders and digested so they are actionable. Challenge 1/Objective 1/WP2. The <i>Knowledge Platform</i> will include relevant and main project <i>Results, Outcomes</i> and <i>Implementation Cases</i> that will be accessed easily through the Knowledge Platform thanks to their <i>Attributes</i> (i.e. Tags), the categorization (i.e. Results, Outcomes, Implementation Cases). on top of searching capabilities. Main <i>Results, Outcomes</i> and <i>Implementation Cases</i> will have associated contact details that are managing actively the contents (Tasks 2.1 & 2.2). Main results are framed in an accessible way for stakeholders (WP5) and summarized in 8 reports that are actionable for stakeholders' groups (Task 2.2). They are broadly accessed and used by the stakeholders, particularly end users of freight transport and logistics. (WP5)</p>	Nr. Projects Knowledge Platform (KP)/100	53 projects (detailed in list in Annex B); Most projects are H2020 projects but also include FP7 projects and national and regional projects.
	Nr. of main <i>Results</i> identified/100	40; The results are based on tags used by the knowledge platform. Details are shown in Annex C.
	Nr. of <i>Outcomes</i> identified/50	7 outcomes;
	Nr. <i>Implementation Cases</i> /30	14 implementation cases identified by the 3 cloud reports (Coordination and Collaboration; Urban Logistics; Logistics Nodes)
	Nr. Projects contents managed externally/20	28; those projects jointed ALICE Liaison Programmes and manage the project space on the Knowledge Platform by their consortium members. Details are shown in Annex D
	Nr. of Project Partners, Results, Outcomes or Implementation Cases with actual associated contacts/500	270 project contacts (through BOOSTLOG events, interviews and expert workshops for implementation cases);



	Nr. of (active*) Users in the KP/ (400) 1000	750 registered users
	Nr. of Cloud reports / 8	3; The three cloud reports are on Coordination and Collaboration, Urban Logistics, Logistics Nodes.
	Nr. of Cloud reports downloads/5000	The cloud reports can be downloaded via various channels, e.g. the BOOSTLOG webpage, the Knowledge Platform etc. Statistics are not available yet.
<p>I.2 enhanced technological and organizational innovation uptake of R&I results. Challenge2/Objective2/WP3. The <i>Innovation Marketplace</i> (IM) is established (Task 3.2) as a complementary upgrade to current <i>Knowledge Platform</i> and it is broadly used by the stakeholders. The funding opportunities section of the <i>Knowledge Platform</i> is valorised so access to funding is supported. Specific regulatory obstacles preventing innovation implementation and framework conditions (FC) to enhance innovation uptake implementation are addressed</p>	Innovation Marketplace (IM) up and running	Yes (link) since M18 (June 2022)
	Nr. of Innovation Seekers searches for Outcome and Implementation Cases Owners /50	Statistics are not available yet.
	Nr. of Active* users of IM / 100	Statistics are not available yet.
	Nr. funding opportunities for Innovation Uptake/20	5;
	Nr. of specific regulatory aspects preventing innovation/ N.A.	Not identified yet.



<p>in the valorisation guidelines (Task 3.1), reported to governments (Task 3.3) and tackled by Research & Innovation funding programmes (Task 5.3). Task 5.2 will work on the customer acceptance of new solutions to increase the impact of WP2/WP3 activities.</p>	<p>Nr. of FC recommendations implemented by funding programmes / 5</p>	<p>Not available yet.</p>
<p>I3. Impacts of R&I projects and funding in policy and market is made visible and assessed. WP2/WP3. i) <i>Implementation cases</i> in which causal links between public R&I funding and technology innovation in an area or impact on policies are identified through WP2, assessed in Task 3.3 and broadly disseminated through WP5, ii) Consensus of <i>Sectorial KPI</i> (Task 3.3) to measure projects impact is achieved and broadly used as reference in future projects iii) Impacts analyses on logistics Clouds contribution to Policies objectives and market (Task 3.3) is backed by stakeholders (Task 5.3) iv) conflicting policy and market objectives are identified (Task 3.3) and broadly shared and discussed with stakeholders -WP5</p>	<p>Nr. of examples of cases of Innovation out of public R&I investment/50</p>	<p>15; 4 cases on Coordination and Collaboration; 7 on Urban logistics; 4 on Logistics Nodes</p>
	<p>Nr of projects referring to the Sectorial KPIs / from 10% at the end of BOOSTLOG to 50% in 5 years after the finalization</p>	<p>Not available yet.</p>
	<p>Level of agreement on Impact Analyses on <i>Logistics Clouds</i> / 90% Stakeholders Groups clearly recognize conflicting objectives.</p>	<p>Not available yet.</p>
<p>I4. Priority R&I gaps are properly identified and implemented through European, National,</p>	<p>% of identified priority R&I gaps that are implemented in R&I programmes</p>	<p>Not available yet.</p>



Regional or Company R&I Programmes. There is consensus on the identified priority R&I gaps, and they are taken up by funding organizations	Nr. of priority gaps addressed in calls	Not available yet.
	Funding evolution of calls addressing recommendations	Not available yet.
I5. More efficient use of the available research resources through better framed programmes and calls. This impact will build on WP3 Outputs and will be leveraged through Task 5.3	Meetings of European, national and regional funding organizations / 6	8-2 meetings with EC and meetings with Germany, Turkey, Austria, Italy, Sweden and United Kingdom
	Nr. of identified and implemented synergies/3	Not available yet.
I6. Widening participation and increasing engagement of Companies, specifically end users of freight transport system, in R&I activities. Active Company engagement is achieved in WP4 for the definition for <i>R&I gaps</i> and end user's participation in projects increases (promoted through Task 5.2)	Nr. Companies and end users in the R&I definition process/100/30	49 of companies have been engaged with WP4;
	Nr. of end users' participations in EU R&I	Not available yet.
	Projects / 5% annual increase. Nr. of recurrent end users participating in the projects/ 5% annual increase.	Not available yet.



<p>I.7 ALICE, The European reference knowledge hub for integrated freight transport and logistics system and expanded to regional clusters and national networks. The appetite of new projects to be liaised with ALICE³⁹ increases as the programme is recognized as a mechanism for projects to reach impact. All BOOSTLOG outputs are used and exploited in WP5 to maximize impact. Society engagement as such increases with many academic partners frequently using ALICE materials in their talks and seeking for collaboration with ALICE.</p>	<p>Additionally, to KPIs for I1, I2, I3, I4 and I6:</p> <p>Nr. of new liaised projects per year/ 5 (1st), 8 (2nd), 12 (3rd)</p> <p>Nr. of new ALICE members/10 (1st), 20 (2nd), 20 (3rd), & end users/3 (1st), 5, (2nd), 8 (3rd),</p>	<p>In 2021, liaison projects' number are: 14; the list is shown in Annex E. in 2022, several projects are expected to join in the second half of the year.</p> <p>In 2021, 23 new members joining ALICE. In 2022, 11 new members joining ALICE.</p>
	<p>Nr. of strategic collaboration agreements with National Platforms and Clusters.</p> <p>Nr. of agreements with academic partners/10</p>	<p>Not available yet</p> <p>Not available yet</p>



3 Risk Management Report

Risk management plan has been defined in D1.1 Project Management Book. The risk management task has been following the plan and strategy. Project risks evaluation has been performed by the Project Management Board (PMB) regularly or at an ad-hoc base. Decisions on the best way to manage any potential deviations from the plan have been made at the consortium General Assembly (GA). 5 GAs have been held as there were some decisions that required approval from the consortium.

The following table shows identified risks by PMB in the first 18 months, risk mitigation measures taken and results of the risk management measures.

	Description of risk (level of likelihood: Low/Medium/High)	Work package(s) involved	Risk-mitigation measures	Results
High	Lack of interests from stakeholders who are not familiar with EU funded R&I on implementation of EU funded R&I project outcomes.	WP5	SFC hosted the first Smart Freight Week (SFW) in May 2022. The majority of event attendees were not familiar with EU funding. The consortium took the opportunity to organise a dedicated session for the BOOSTLOG project to raise awareness of EU-funded R&I projects and their outcomes.	The BOOSTLOG session at SFW was very successful and the project has been able to reach out key logistics players (companies) who were not aware of EU-funded R&I projects and their impacts. The session invited those who have implemented R&I outcomes to share their experiences.
	Implementation cases and project outcomes are not attractive to stakeholders. In the past few decades digitalisation has brought a revolution to the logistics sector. Currently, the unprecedented COVID-19 pandemic also has great impacts on the logistics sector. Priorities and challenges for stakeholders in the logistics sector vary. Outcomes developed	WP2 WP3	When mapping R&I project outcomes and selecting implementation cases the consortium has taken into consideration of today's needs and challenges by stakeholders in the logistics sector and deliver results to address today's needs and challenges. Benefits to meet today's business and technical environments have been well described in the Cloud reports and presented at each of the Cloud report launch	The Cloud reports selected those cases that are still relevant to today's challenges as successful implementation cases, so as the ALICE Innovation Award. All cases selected have made significant contribution to decarbonisation of this section and the sustainable development goals. The selected implementation cases were praised by the award selection committees for



	may be seen as 'out-of-the-date', and not attractive to stakeholders.		events/Innovation Award ceremonies.	their contributions to the logistics sector.
Medium	Lack of interests from stakeholders who participated in R&I projects (innovation) to contribute to the implementation cases and project research outcomes for BOOSTLOG.	WP2 WP5	Engaging with such stakeholders have been based on mutual interests. Benefits to such stakeholders have been appropriately demonstrated. The Innovation Award has been an effective instrument to motivate them to contribute the BOOSTLOG activities.	Project participants were very motivated to provide information on their implementations, results, impacts, and eager to share their practices. They also appreciate the Innovation Award and disseminate the winning of the award through their own communication channels.
	Difficulty in establishing closer collaboration with National and Regional R&I Programmes.	WP4 WP5	Through consortium members such as DINALOG and VIL and a number of Public bodies representatives in ALICE Mirror Group, contacts with National and Regional R&I programmes have been established.	Stakeholders from National and Regional R&I funding agencies have been involved with the survey on identifying R&I priorities and participated in the workshop organised by WP4.
Low	Difficulty in engaging and motivating stakeholders and/or interviewed for strategy development and gap analysis, surveyed people are not reacting as expected. Likelihood is low based on previous experience in engaging with external stakeholders from ALICE and also based on good reputation of ALICE in the sector.	WP3 WP4	The consortium members have established contacts and adopted interactive communication means (e.g. phone in case e-mail is not effective). The consortium members have proactively mitigated the risk by clearly explaining benefits.	Gap analysis, surveying, expert workshops etc have been well attended and all type of stakeholders have been successfully engaged to have their contributions to the success of the BOOSTLOG projects.
	Lack of clear commitment from EU and national founding organizations to continue investment in	WP4	The importance of the logistics sector has been very visible during the COVID-19 pandemic time,	The project has been well supported by various levels of policymakers from EC, national



<p>logistics innovation. Likelihood is low based on previous experiences in engaging with EU policymakers. However, many topics that attract attention (e.g. renewable energy, carbon capture etc) are competing with innovations in logistics.</p>		<p>giving great opportunities to the sector. The consortium has advocated the impact of the sector and communicated positive impacts of EU-funded R&I projects on reducing emissions, improving efficiency, and enhancing competitiveness</p>	<p>ministries and regional/local authorities. Regular contacts have been carried out and they also have been active in BOOSTLOG dissemination activities, e.g. participating in BOOSTLOG events.</p>
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Annex A: BOOSTLOG's Expected Impacts indicated in the Grant Agreement

Table 1: BOOSTLOG Impacts

BOOSTLOG will deliver the following high-level impacts:

- 11. EU funded R&I projects main results, Outcomes and Implementation Cases are easy to find by Stakeholders** and actionable. The enhanced *Knowledge Platform* will be a suit for at least 100 R&I EU funded projects, 100 main Results, 50 Outcomes and 30 Implementation cases tagged according to their Attributes (i.e. the relevant logistics *Clouds*, the targeted impacts, the *Policy Objectives* they aimed at to contribute, and the relevant types of Stakeholders (as users-recipient of the results to implement in practice). The *Knowledge Platform* will have 1000+ users and will include contact details of at least 500 experts and researchers linked to the projects as project partners, *Results*, *Outcomes* or *Implementation Cases* owners. Additionally, 8 logistics clouds reports will be generated pooling the main projects results, *Outcomes* and *Implementation Cases* in specific areas that can be used to address specific stakeholders' groups. The reports will include specific pathways on how to valorise and apply in practice the contents.
- 12. Technological and organizational innovation uptake is accelerated.** BOOSTLOG will generate, implement, spread and maintain the adequate framework conditions to enhance innovation uptake. Continuous support to *Stakeholders* in overcoming identified barriers for the deployment of R&I results, providing the freight transport and logistics sector with a recognized *Innovation Marketplace* (back to back to the *Knowledge Platform*) where project *Outcomes* and *Implementation Cases* are highly promoted among users making results and *Outcomes* more accessible for *Innovation Seekers*. *Innovation Seekers* will have the opportunity to know about *Implementation Cases* and meet *Outcome owners* to find solutions and experts to propose their *Pain Points*. BOOSTLOG partners will make use of sound recommendations (i.e. key characteristics for topics descriptions, consortium composition and other relevant characteristics) to improve framework conditions to facilitate *Outcomes* generation and uptake increasing impact.
- 13. Impacts of R&I projects and funding in policy and market is made visible and assessed.** The main *Results* of projects, derived *Outcomes* and their actual contribution to policies development and market innovation (*Implementation Cases*) will be identified, assessed and reported in 8 priority *Clouds*: i) urban logistics, ii) logistics nodes, iii) multimodal freight, corridors & transport networks iv) freight and logistics data sharing, v) coordination & collaboration, vi) modularization and transshipment are potential examples. Each report will also include the R&I projects relevant for that *Cloud*, a comprehensive analysis of the main available *Results* and *Outcomes*, highlighting those ones that have been further developed and implemented in practice (i.e. *Implementation Cases* for which causal links between R&I funding and contribution to EU policies or market innovation). WP5 will extract and digest the most relevant *Results*, *Outcomes* and *Implementation Cases* for the different *Stakeholders groups* so they get a holistic overview through communication activities and also the most relevant contents out of European R&I projects.
- 14. Ensure that priority R&I gaps are properly identified and implemented through European, National, Regional or Company R&I Programmes.** This impact will be realized with support of I1 when both priority topics are identified and when there are no previous results in that priority area according to the Knowledge Base (i.e. constituting a *priority R&I Gap*).
- 15. More efficient use of the available research resources through better framed programmes and calls.** Additionally to the framework conditions, including programmes definition, to enhance impact and innovation uptake from projects (I3) and defining rightly the priority R&I gaps (I4) BOOSTLOG will exploit outputs in terms of i) R&I funding programmes complementarity and synergies at European, National and



Regional level and ii) methodology for R&I projects impact assessment in terms of contribution to policy objectives and market development including KPIs. BOOSTLOG will enhance and leverage ongoing cooperation with the EC services and ALICE mirror group³⁵ member states and regional clusters for extensive outreach, exchange of best practices at regional, national and European level enriching and enhancing the programmes and calls (Task 5.4)

- 16. Widening participation and increasing engagement of Companies in EU R&I programmes, specifically end users of freight transport system.** This includes the active participation in the definition of R&I gaps and priorities (WP4), the participation in collaborative research projects and accelerated uptake and adoption of R&I project results. Additionally, society at large will be engaged through the promotion of the TRAVISIONs, so students are involved as well. The academic members of ALICE are fully engaged.
- 17. Consolidate and strengthen ALICE position as The European reference knowledge hub for integrated freight transport and logistics system and expanded to regional clusters and national networks.** Every *Stakeholder* recognize it and makes use of free access to a high-quality overview and assessment of the European R&I projects main results, *Outcomes* and *Implementation Cases*. The new functionalities of the *Knowledge Platform* and the *Innovation Marketplace* will be maintained and updated after BOOSTLOG leveraging ALICE programme of liaison with projects. ALICE will exploit this result as an enhanced service to members, and will be opened to other triple helix organizations: CLOSER (SE), VIL (BE), TKI DIALOG (NL), Fraunhofer/Effizienz Cluster (DE) will leverage this European knowledge hub towards their national/regional stakeholders. ALICE will expand this capability to other Logistics Research Driven Clusters¹ starting by ALICE members: Logistics in Wallonia (BE), Logistics Cluster Catalonia (ES), NOVALOG (FR), CARA (FR), LOGISTOP (ES) and LIMOWA (FI).

Table 2: Expected Impacts in the call vs BOOSTLOG Impacts

Aspects highlighted in the Work Program	BOOSTLOG contribution to call expected impacts
<p>The action will contribute to achieve the EU policy objectives for freight transport and logistics (e.g. zero city logistics emissions by 2030, zero logistics emissions by 2050, fully integrated multimodal transport system, efficient and sustainable logistic and freight operations) by providing a reasoned and detailed mapping and assessment of the EU-funded R&I project outcomes.</p>	<p><i>Stakeholders groups</i> will get a holistic and detailed mapping and assessment of European R&I projects contribution to the policy objectives (see I1) through WP2 activities. Main R&D projects results, identification of Outcomes, Implementation Cases and comprehensive and actionable reports will be generated in high priority logistics Clouds. Wide dissemination through the Knowledge Platform (WP2) and (web) events (WP5) valorising the 8 logistics Clouds reports. Project Outcomes and Implementation Cases contribution to EU policies is assessed in T3.3 and shared with EU stakeholder through T5.4.</p>

¹ ALICE Report on the activities performed with Clusters and Member States. *SETRIS deliverable D3.4*.



<p>The action will also support technological and organisational innovation uptake</p>	<p>BOOSTLOG will generate a R&I projects valorisation strategies and guidelines (T3.1) and will implement the adequate framework conditions to enhance technological and organizational R&I results uptake (T3.2). The <i>Innovation Marketplace</i> generated through Task 2.2 will be exploited already within the project duration. BOOSTLOG will generate and exploit the recommendations on framework conditions for increased R&I projects results uptake (T3.3) and will reach stakeholders but</p>
<p><i>...and a more efficient use of the available research resources by engaging the wider community of stakeholders, establishing collaboration between industrial stakeholders and the society at large,</i></p>	<p>BOOSTLOG will reach and engage with a wider community of stakeholders (See I6) through WP5 activities. The brief communication and dissemination plan address the specific types of stakeholders (See chapter 2.2.1) paying special attention to end users of the freight transport and logistics system and those less familiar with R&I programmes (T5.2) including citizen/students engagement (T5.4). WP5 will transform the outputs in WP2, WP3 and WP4 into dissemination and communication assets with customized messages for the different types of <i>Stakeholders groups</i>. ALICE will be the collaboration framework exploited by BOOSTLOG at European Level to engage industry and society at large so it will for TKI DINALOG, CLOSER and VIL at regional and National level.</p>
<p><i>... and a more efficient use of the available research resources by encouraging exchanges of best practices at regional, national, European and global level, and linking to relevant sectors beyond freight transport and logistics.</i></p>	<p>BOOSTLOG will contribute to this by accelerating R&I projects result uptake (Task 3.2 I2) and by exploiting the recommendations on framework conditions for increased R&I projects results uptake and the R&I projects Impact analysis methodology and results (Task 3.3 and I3) to enhance and leverage ongoing ALICE cooperation with the EC services and ALICE mirror group³⁵ member states and regional clusters (Task 5.3) for extensive outreach, exchange of best practices at regional, national and European level enriching and enhancing the respective R&I programmes and calls. BOOSTLOG partners CLOSER, TKI DINALOG and VIL will directly exploit results of these deliverables through their own programmes creating direct impact. Best practices will be exchanged at global level leveraging ALICE co-organization of the International Physical Internet Conference.</p>



Annex B: Projects available on the Knowledge Platform²

Project name	Funding programme/organisation
AEGIS - Advanced, Efficient and Green Intermodal Systems	Horizon 2020
ASSIST-IoT - Architecture for Scalable, Self-, human-centric, Intelligent, Secure, and Tactile next generation IoT	Horizon 2020
AWARD - All Weather Autonomous Real logistics operations and Demonstrations	Horizon 2020
AEOLIX - Architecture for EurOpean Logistics Information eXchange	Horizon 2020
AEROFLEX - Aerodynamic and Flexible Trucks for Next Generation of Long Distance Road Transport	Horizon 2020
ATROPINE - Fast to Track to the Physical Internet	Innovative Upper Austria 2020
BACKBONE PI: RAIL - Digital transformation of railroad-car planning to establish rail as the backbone of the Physical Internet	MOTF – Mobility of the future, Austria
BOOSTLOG - Boosting impact generation from research and innovation on integrated freight transport and Logistics system	Horizon 2020
CLUSTERS 2.0 - Open network of hyper connected logistics clusters towards Physical Internet	Horizon 2020
CO-GISTICS - COoperative loGISTICS for sustainable mobility of goods	Competitiveness and innovation framework programme (CIP)
CO3 - Collaboration Concepts for Comodality	FP7
CoGLo - COGnitive Logistics Operations through secure, dynamic and ad-hoc collaborative networks	Horizon 2020

² <https://knowledgeplatform.etp-logistics.eu/>



COREALIS - Capacity with a pOsitive enviRonmEntal and societaL footpRint: portS in the future era	Horizon 2020
CURRENT DIRECT - Swappable Container Waterborne Transport Battery	Horizon 2020
DataPorts - A Data Platform for the Cognitive Ports of the Future	Horizon 2020
DISpATch - Digital twIn for SynchroModAI Transport (DISpATch)	Horizon 2020
DocksTheFuture - Developing the methodology for a coordinated approach to the clustering, monitoring and evaluation of results of actions under the Ports of the Future topic	Horizon 2020
Dynahubs - DynaHUBs is a new application designed to kick start the development of the Physical Internet using a crowd-sourced approach	Horizon 2020
ELETA - Sharing of train tracking & estimated time of arrival information	Connecting Europe Facility (CEF)
ENTRANCE - European matchmaking platform for innovative transport and mobility tools and services	Horizon 2020
ePIcenter - Enhanced Physical Internet-Compatible Earth-frieNdly freight Transportation ansWER	Horizon 2020
GDP4PI - Generic data integration platform for the Physical Internet	MOTF – Mobility of the future, Austria
GeoSence - Geofencing strategies for implementation in urban traffic management and planning	JPI Urban Europe
GILA - German, Italian & Latin American consortium for resource-efficient logistics hubs & transport	German Federal Ministry of Education & Research
iCargo - Intelligent Cargo in Efficient and Sustainable Global Logistics Operations	FP7
ICONET - New ICT infrastructure and reference architecture to support Operations in future PI Logistics NETworks	Horizon 2020



LEAD - Low-Emission Adaptive last mile logistics supporting 'on Demand economy' through digital twins	Horizon 2020 (CIVTAS)
LESSTHANWAGONLOAD - Development of 'Less than Wagon Load' transport solutions in the Antwerp Chemical cluster	Horizon 2020
LeMO - Leveraging Big Data to Manage Transport Operations	Horizon 2020
LIFE FIT - Facilitating Intermodal Transport to reduce air pollution and energy consumption of freight transport sector	LIFE EU
LOGISTAR - Enhanced data management techniques for real time logistics planning and scheduling	Horizon 2020
MODULUSHCA - Modular Logistics Units in Shared Co-modal Networks	FP7
MORE - Multimodal Optimisation of Road space in Europe	Horizon 2020
MOSES - Automated vessels and supply chain optimisation for sustainable short sea shipping	Horizon 2020
MOVE21 Multimodal and Interconnected Hubs for Freight and Passenger Transport Contributing to a Zero-Emission 21st Century	Horizon 2020
NEXT-NET - Next generation Technologies for networked Europe	Horizon 2020
NEXTRUST - Building sustainable logistics through trusted collaborative networks across the entire supply chain	Horizon 2020
NOESIS - NOvel Decision Support tool for Evaluating Strategic Big Data investments in Transport and Intelligent Mobility Services	FP6
PhysICAL - Physical Internet through Cooperative Austrian Logistics	Austrian Federal Ministry for Climate, Environment
PILL - Physical Internet Living Lab	Flanders Innovation & Entrepreneurship



PLANET - Progress towards Federated Logistics Through the Integration Of TEN-T into A Global Trade Network	Horizon 2020
PIXEL - Port IoT for Environmental Leverage	Horizon 2020
PortForward - Towards a green and sustainable ecosystem for the EU Port of the Future	Horizon 2020
PROKAPA - Dynamic forecast-based capacity management for the implementation of physical Internet conditions	MOTF – Mobility of the future, Austria
PROTOPI - Model development for a regional physical Internet using the example of transports between Upper Austria and Styria	MOTF – Mobility of the future, Austria
SCALE-UP Scale Up User-Centric and Data-Driven Solutions for Connected Urban Poles	Horizon 2020
SELIS - Towards a Shared European Logistics Intelligent Information Space	Horizon 2020
STANDPI - Cross-system control of transport and intralogistics for sustainable distribution in the physical Internet	MOTF – Mobility of the future, Austria
ST4W Smart Track 4 Waterway	Interreg North-West Europe
STORM - Smart Freight Transport and Logistics Research Methodologies	Horizon 2020
SYNCHRO-NET - Synchro-modal Supply Chain Eco-Net	Horizon 2020
ULaaDS - Urban Logistics as an on-Demand Service	Horizon 2020
VITAL-5G - Vertical Innovations in Transport And Logistics over 5G experimentation facilities	Horizon 2020
VitalNodes - Building a lasting expert network that delivers evidence-based recommendations for Vital Urban Nodes along TEN-T Corridors	Horizon 2020



Annex C: Project outcomes available on the Knowledge Platform

The tags used in the Knowledge Platform showing key outcomes from projects:





Annex D: Project contents managed by externals

These ongoing projects are managed by their own project consortium members:





Annex E: Liaison projects in 2021

Project name	Time to join Liaison Programme
GeoSENSE	September 2021
5G LOGINNOV	April 2021
ASSIT_IOT	April 2021
AWARD	March 2021
AEGIS	September 2021
CurrentDirect	July 201
DataPort	May 2021
GeoSENSE	September 2021
GILA	March.2021
LIFE FIT	July 2021
MOVE21	July 2021
SCALE-UP	March 2021
STORM	January 2021
ULaaDs	May 2021
Vital_5G	May 2021