



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
13	LINDHOLMEN SCIENCE PARK AKTIEBOLAG (LSP)	SW



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EXECUTIVE SUMMARY

BOOSTLOG Vision is transforming European freight transport and logistics R&I ecosystem to perform optimally boosting impact generation out of research and innovation (R&I) investment contributing to EU policy objectives and supporting the sector's efforts for sustainability and competitiveness. The BOOSTLOG project was officially launched in January 2021. This final report for the EC highlighting the main achievements of the BOOSTLOG project as well as a summary of the key aspects and elements for future exploitation building on deliverable 5.7 Post Project Exploitation Plan.

In the 36 months, the project has carried out comprehensive studies into several key topics in logistics for developing 'Cloud' reports, identified priorities and needs for future R&I projects. The project has published cloud reports on 8 important topics of logistics respectively: 1) [Logistics coordination and collaboration](#); 2) [Urban logistics](#); 3) [Logistics nodes](#); 4) [Logistics network](#); 5) [Freight and logistics data sharing](#); 6) [Physical Internet](#); 7) [Efficient and zero emission freight transport](#); 8) Digital technologies. ALICE Innovation Awards have been created to acknowledge achievements of those R&I project consortium members who have successfully implemented R&I projects. All the awards have been presented at the BOOSTLOG final conference, in addition to virtual launch events of each cloud report.

The project has identified [barriers that prevent implementation of R&I project outcomes](#). Based on identified barriers, positive frameworks aiming to advance such implementation have been proposed. The barriers and positive frameworks have been used to develop [valorisation strategies for various stakeholders](#). Valorisation strategy for ALICE has included key requirements for an [Innovation Marketplace](#) which has been launched in June 2022 (M18). The Innovation Marketplace, aiming connecting innovation providers and buyers (implementers), is a key instrument to boost impact generation of R&I projects. ALICE will continue to maintain the marketplace as part of the ALICE Knowledge Platform.

The project has conducted two comprehensive surveys and two workshops to collect inputs on identifying [priorities for logistics innovation and develop recommendations for policy makers](#). [Recommendations for future R&D activities](#) have been developed to address current challenges and gaps in R&I identified.

The project successfully engaged with all stakeholder groups identified by the consortium, reached out a wider range of stakeholders including those who are less familiar with EU funding on R&I. The project has raised awareness the importance of generating impacts of R&I projects in the logistics innovation community. The project has organised 5 virtual events and 4 in-person events which have been participated by all types of stakeholders. The project was presented at several external events such as POLIS conference 2021, TRA2022, and International Physical Internet Conference (IPIC) 2023. The project has used ALICE communication channels and networks as well consortium members' networks to disseminate project activities, e.g. call for implementation cases and ALICE Innovation Awards. The project has published 8 press releases, and other dissemination materials such as leaflet, brochure and poster. The project is a founder of the Task Force on Accelerating Innovation Uptake for Sustainable Transport¹ and together with other CSA, jointly launched [Call for Action](#). Additional information on the project, reports and deliverables are available via the project webpage: <https://www.etp-logistics.eu/boostlog/> and [ALICE Knowledge Platform](#).

¹ For more information: <https://www.etp-logistics.eu/launch-of-the-task-force/>



1. Introduction and scope of this deliverable

1.1 Introduction

The BOOSTLOG project is a Coordination and Support Actions (CSA) project funded by the Horizon 2020 research and innovation programme. The 3 year's project was officially launched in January 2021. Basic information of the project is shown below:

- **Project full name:** BOOSTing impact generation from research and innovation on integrated freight transport and LOGistics system (**BOOSTLOG**)
- **Starting date:** 1 January 2021
- **Duration:** 36 months
- **Total funding:** 1 M€
- **Programme:** Horizon 2020
- **Topic:** MG-2-13-2020 - Coordination and support for an integrated freight transport and logistics system

Figure 1 Basic information of the project

The project consortium, coordinated by ALICE, consists of 13 members including all types of key stakeholders of the project including companies, government, research institutions, civil society and national and regional networks and clusters, as shown below:

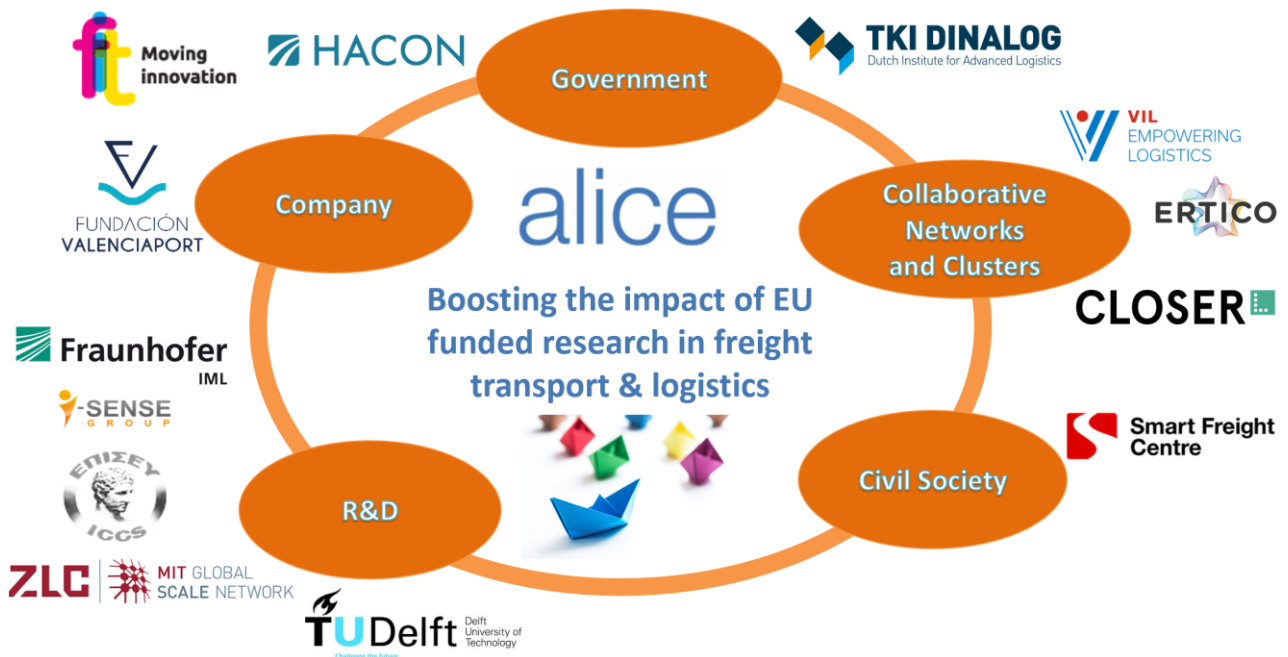


Figure 2 BOOSTLOG Consortium Members



1.2 Scope of the deliverable

According to the Grant Agreement of the BOOSTLOG project, as a project funded by Horizon 2020 programme, a final report will be submitted to CINEA after closing the project. The final report will follow a standard template of Horizon 2020 that includes explanation of the work carried out by the beneficiaries and overview of the progress, use of resources, impacts, updates of the plan for exploitation and dissemination results, update of data management plan, deviations, and use of resources. This deliverable is seen as an extended executive summary of the work carried out by the consortium and significant results of each area of actions. It does not include detailed progress per beneficiary. It aims to highlight key achievements of the BOOSTLOG project to the EC and stakeholders the project has engaged in the 3 years' time. The BOOSTLOG stakeholders will be able to have a comprehensive overview of the project progress and see their contributions to optimising the logistics R&I ecosystem. This deliverable will provide a summary of the key aspects and elements for future exploitation building on deliverable 5.7 Post Project Exploitation Plan.

2. Objectives of BOOSTLOG & areas of action

BOOSTLOG aims to transform European freight transport and logistics R&I ecosystem to perform optimally boosting impact generation out of R&I investment contributing to EU policy objectives towards climate neutrality, pollution, congestion and noise reduction, free movement of goods, internal security, digital transformation of logistics chains and data sharing logistics ecosystems and supports companies' sustainability and competitiveness generating value for society.

In order to do so, BOOSTLOG focuses on 4 main areas of action:

1. Increase visibility and support valorisation of R&I project Results, Outcomes and Implementation Cases in the freight transport and logistics field:
 - Map and assess around 390 EU-funded R&D projects since FP5 in different freight transport and logistics domains, identifies and include main results, outcomes and implementation cases from projects in ALICE Knowledge Platform,
 - Develops comprehensive and industry actionable reports (logistics cloud reports) starting with: a) logistics coordination & collaboration b) urban logistics, c) logistics nodes, d) freight and logistics data sharing e) multimodal freight, corridors & transport networks f) modularization and transshipment to share progress made and highlight the impact achieved through R&I projects;
2. Overcome barriers for R&D deployment, identify and define valorisation strategies and guidelines to speed up the technological and organisational innovation uptake, including the creation of the Innovation Marketplace within ALICE knowledge platform, examine which areas of research have achieved higher impact and issue recommendations to increase impact of R&I public funding;
3. Identify and define high potential & priority R&I gaps to make efficient uses of R&I investments and provides recommendations to funding organizations (e.g. European Commission);
4. Boost impact of the project outputs towards end users of the freight transport and logistics system, establishing collaboration frameworks for the exchange of best practices in freight transport and logistics R&I at regional, national, European level, engaging with relevant stakeholders in the innovation process.



3. Key activities per area of action

3.1 Increase visibility and support valorisation of R&I project Results, Outcomes and Implementation Cases in the freight transport and logistics field

The BOOSTLOG has been continuously mapping EU funded R&I projects since FP5 in different freight transport and logistics domains. Data has been collected from various existing data about projects such as CORDIS² and TRIMIS³, H2020 Results Platform⁴, BOOSTLOG project consortium members and project deliverables that have been collected by ALICE through its Liaison Program, ALICE Knowledge Platform (KP)⁵, and Thematic Groups. All projects that have been mapped by the BOOSTLOG project has been summarised in D2.1 Detailed Mapping of EU funded Research Projects, providing basic information of previous and ongoing R&I projects, such as funding schemes, consortium members, objectives, key outcomes etc. D2.1 has been submitted as an excel sheet in M18. Since M18, D2.1 has been continuously updated by leaders of each cloud reports. By the end of the project, in total of 390 EU and funded projects and some regional/national funded projects have been mapped out in D2.1.

The mapped projects have been the base for development of comprehensive and industry actionable reports (logistics cloud reports). The project consortium has carried out desk research and surveys (interviews to key experts and expert workshops) to gather R&I projects' outcomes including innovative solutions and their implementations. Outcomes of analysis of R&I projects and implementation cases are reported in BOOSTLOG 'cloud' reports.

Developing each of the 'Cloud' reports has followed the same approach as shown in Figure 3 and took about 5 – 6 months, as shown in

Table 1. Leader and partners of the cloud reports identified implementation cases that were developed from project outcomes and have improved efficiency, decarbonisation of the section, and addressed other challenges the logistics sector face. For each of the cloud reports, a specific call for submission of implementation cases was published via various channels, e.g. ALICE newsletter, ALICE website, ALICE Thematic Group communication channels, and social media from the BOOSTLOG consortium members. More detailed information can be found in D5.3 Report on Stakeholder Engagement. Such calls for implementation cases will ensure that the BOOSTLOG consortium members collected information from all possible stakeholders. Cloud reports identified and contacted each implementation case owner to carry out interviews to ensure information collected accurate and relevant to logistics innovation practitioners. After all implementation cases were finalised for each cloud report, an expert workshop was organised to finalise information in the cloud report. All cloud reports have been published on the project page⁶.

² <https://cordis.europa.eu/>

³ <https://trimis.ec.europa.eu/>

⁴ <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-results-platform>

⁵ <https://knowledgeplatform.etp-logistics.eu/>

⁶ <https://www.etp-logistics.eu/boostlog/>

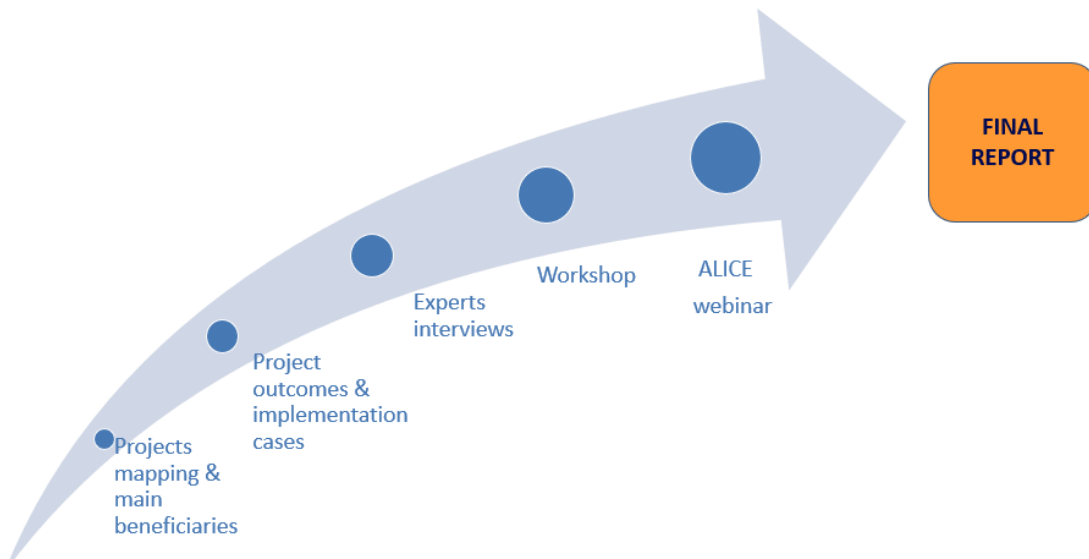


Figure 3 Cloud report development approach

Table 1 Time schedule for each cloud report

Timeline	Month 1	Month 2	Month 3	Month 4	Month 5
Topic definition	■				
<i>Projects mapping</i>		■			
<i>Main beneficiaries' identification</i>		■			
<i>Projects outcomes analysis</i>		■	■		
<i>Implementation cases identification</i>			■	■	
<i>Experts interview</i>			■	■	
<i>Draft report</i>			■	■	
<i>Experts validation</i>				■	
<i>Final report</i>					■
<i>ALICE webinar</i>					■

In total, 8 cloud reports have been published:

- D2.2 Cloud report – Coordination and Collaboration
- D2.4 Cloud report – Urban Logistics
- D2.5 Cloud report – Logistics Nodes
- D2.6 Cloud report - Freight and logistics data sharing
- D2.7 Cloud report - Multimodal freight, corridors & transport networks
- D2.9 Cloud report – Physical Internet including Modularization and Transshipment technologies
- D2.11 Cloud report - Transition to zero emissions energies and vehicles for transport and logistics
- D2.12 Cloud report - Digital technologies and applications for logistics (Digital Twins, IoT, 5G, AI and Blockchain, Automated Transport)



3.2 Overcome barriers for R&D deployment, identify and define valorisation strategies and guidelines to speed up the technological and organisational innovation uptake

While mapping R&I projects and assessing outcomes of the projects, barriers have been assessed and based on the barriers, positive frameworks to advance implementation of project outcomes have been proposed. The results have been summarised in:

- D2.3 Barriers assessment and positive framework conditions (i); and
- D2.9 Barriers assessment and positive framework conditions (ii)

BOOSTLOG has assessed impacts of EU funding on the logistics and identified actions needed to advance implementation of project outcomes. BOOSTLOG has defined valorisation strategies and guidelines for various stakeholders. The valorisation strategies have recommended implementation of a dedicated Innovation Marketplace to make project outcomes more accessible and easy to understand by industry stakeholders:

- D3.1 Valorisation strategy guidelines. (i)
- D3.2 Impact analyses of EU funding in logistics priority Clouds, KPIs and recommendations.
- D3.3 Innovation marketplace
- D3.4 Valorisation strategy guidelines. (ii)

The Innovation marketplace⁷ has been launched as a new feature to ALICE Knowledge Platform (KP)⁸. All implementation cases identified by the cloud reports are available on the Innovation Marketplace. The Innovation Marketplace is open to all innovation owners who can create user accounts, register their organisations, describe their innovations and present use cases if applicable. The BOOSTLOG consortium are continuing to develop functional features of the marketplace and include more implementation cases after end of the project to ensure that innovative solutions developed by R&I projects will be available to a wide range of stakeholders in the logistics sector.

3.3 Identify and define high potential & priority R&I gaps to make efficient uses of R&I investments and provides recommendations to funding organizations (e.g. European Commission)

The project has carried out surveys, to collect opinions on gaps in R&I, future needs and priorities. The first online questionnaire survey was distributed through various channels in July 2021 to reach out a wider range of stakeholders. A workshop was organised to validate survey results and collect additional inputs. Detailed information on stakeholders engaged for this task can be found in D5.3 Report on Stakeholder Engagement. All information collected through the survey and the workshop has been used to form deliverables:

- D4.1 Definition of high relevance topics for freight transport and logistics (i)
- D4.2 Gap analysis for R&I Logistics Clouds (i)
- D4.3 Recommendations for future R&D activities (i)

⁷ Innovation Marketplace: <https://knowledgeplatform.etp-logistics.eu/course/view.php?id=259>

⁸ALICE Knowledge Platform: <https://knowledgeplatform.etp-logistics.eu/>



On 1st March 2023, 'Help to identify priorities in R&I in the logistics sector' in-person workshop was held in Brussels. This workshop was operated by 3 discussion tables to provide inputs to identify key trends, gaps in R&I and recommendations for future R&I topics and priorities. Detail is available on ALICE website ([link](#)). The workshop was attended by 74 participants of which 35% were from companies, 28% were from R&I community, 2.7% were from government and 33% were from civil society. Results from the workshop have been used to form questions of the second online questionnaire. The second online survey was open on 6 June 2023 and distributed through various channels to reach out a wider range of stakeholders ([link](#)).

All data collected through the workshop and the survey has been analysed to form deliverables:

- D4.4_Definition of high relevance topics for freight transport and logistics (ii)
- D4.5 Gap analysis for R & I Logistics Clouds (ii)
- D4.6_Recommendations for future R&D activities (ii)

As the BOOSTLOG consortium has national funding organisations, e.g. TKI DINALOG (the Netherlands) and regional logistics clusters, e.g. VIL and CLOSER, their contributions have enabled that the priorities and gap analysis identified by the BOOSTLOG project results have taken into consideration of national priorities.

3.4 Boost impact of the project outputs towards end users of the freight transport and logistics system, establishing collaboration frameworks for the exchange of best practices in freight transport and logistics R&I at regional, national, European level, engaging with relevant stakeholders in the innovation process.

Engaging stakeholders, communication, and dissemination are therefore a key task to the success of the BOOSTLOG project. Stakeholders will not only include those who work in the transport and logistics sector, but also to all sectors that can benefit from EU funded R&I projects. BOOSTLOG has particularly made efforts to reach out stakeholders who are normally outside the circle of EU funded projects and raise awareness of outcomes of the EU funded projects, and advance implementations of project outcomes.

Key stakeholders can be categorised into four groups: Companies, Government, R&D organisations, and Civil Society as shown below:



Figure 4. Categories of stakeholders the BOOSTLOG project to engage with

BOOSTLOG's stakeholder engagement, communication and dissemination have been using the existing facilities and resources built by the European Technology Platform ALICE, such as ALICE Knowledge Platform, and ALICE membership (full list of ALICE members is available in Annex A), as well the BOOSTLOG consortium



members' networks, e.g. members of Global Logistics Emission Council (GLEC) of the Smart Freight Centre (SFC). Deliverables have been published:

- D5.1 Plan for Stakeholder engagement, communications & dissemination 1st version
- D5.3 Report on Stakeholder Engagement, Dissemination, Communication
- D5.4 Develop specific communication materials for companies
- D5.6 Report on Stakeholders Engagement, Communication, Dissemination (ii)
- D5.7 Post Project Exploitation Plan

During the 3 years, the project has organised 6 online events and 3 in-person events, show in Table 2.

Table 2 List of BOOSTLOG events (online and in-person events)

Date	Title	Type of event	Objectives
26 Mar 2021	BOOSTLOG Launch Event	Online	Raising awareness of the BOOSTLOG project activities and the importance of advancing R&I project outcome uptakes
26 Oct. 2021	Workshop on Identified Priorities in Logistics	Online	Presenting and collaborating survey results; collecting inputs for D4.1 and D4.2
24 Nov 2021	First ALICE Innovation Award Ceremony & Launch of the BOOSTLOG Cloud Report on Coordination and Collaboration	Online	Launch of the first cloud report; celebrating achievements of those who implemented R&I project outcomes on Coordination and Collaboration. Details can be found (link).
28 Apr 2022	Second ALICE Innovation Award Ceremony & Launch of the BOOSTLOG Cloud Report on Urban Logistics	Online	Launch of the second cloud report; celebrating achievements of those who implemented R&I project outcomes on urban logistics. Details can found (link).
9 May 2022	Celebrating EU-funded R&I Projects on Logistics: What have we achieved & The Way Forward; Rotterdam	Side event of Smart Freight Week (in-person)	Reaching out to stakeholders who are not familiar with EU-funded R&I projects
5 July 2022			The event has been used to present all BOOSTLOG outcomes including three Cloud reports.



			Detail is available on ALICE website (link)
28 Nov 2022	Third ALICE Innovation Award Ceremony & Launch of the BOOSTLOG Cloud report on logistics node.	Online	Launch of the third cloud report; celebrating achievements of those who implemented R&I project outcomes on logistics nodes. Detail is available on ALICE website (link).
1 March 2023	BOOSTLOG Workshop Help to identify priorities in R&I in the logistics sector (in-person); Brussels.		this workshop aimed to provide inputs to identify key trends, gaps in R&I and recommendations for future R&I topics and priorities. Detail is available on ALICE website (link).
16 March 2023	Fourth ALICE Innovation Award Ceremony & Launch of the BOOSTLOG Cloud report on logistics network launch events	Online	Launch of the fourth cloud report; celebrating achievements of those who implemented R&I project outcomes on logistics networks. Detail is available on ALICE website (link).
20 Dec 2023	Final conference "Boosting the impact of freight transport and logistics EU funded research"	In-person	The BOOSTLOG final event aims to reach out all types of stakeholders in the logistics innovation ecosystem to: disseminate outcomes of the BOOSTLOG project including its eight Cloud Reports, valorisation strategies, recommendations for future research and innovation priorities; Highlight the achievements of ALICE Innovation Award winners create opportunities for networking and sharing experiences in innovation uptakes among stakeholders; raise awareness of EU funded R&I activities among industry



		<p>leaders and motivate them to engage with EU funded projects. More details can be found (link)</p>
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The consortium has also planned the European Logistics Innovation Day: first in-person event of BOOSTLOG, on 5th July 2022 in Brussels. The consortium participated in external events in the transport sector:

- POLIS 2021⁹, 1-2 December, 2021, Gothenburg, Sweden;
- ITS European Congress¹⁰, 30 May to 1 June, 2022, Toulouse, France.
- Transport Research Arena (TRA), 14 – 17 November 2023, Lisbon, Portugal
- Smart Freight Week, 18 - 20 April 2023, Amsterdam, the Netherlands
- Transport Logistic exhibition, 9 – 12 May 2023, Munich, Germany
- International Physical Internet Conference (IPIC), 12th - 15th June 2023, Athens, Greece

Several communication materials have been developed to support various project tasks, targeting multiple stakeholder groups including press releases, brochures, information sheet, roll-up posters. A new poster on funding opportunities for different Technical Readiness Levels (TRLs) was made available for the Transport Logistics exhibition in Munich in May 2023 (see Annex A).

All materials are available for download at the BOOSTLOG webpage¹¹ and detailed information can be found in D5.3 and D5.6.

BOOSTLOG was also a found member of the Task Force on Task Force on Advancing Innovation Market Uptake for Sustainable Transport. The Task Force was launched in December 2021 jointly by eight CSA projects including BOOSTLOG aiming for joint efforts for innovation market uptake. Detailed information about the Task Force can be found in the press release on the launch¹². In 2023, the task force has jointly launched call for action (see Annex B).

3. Summary of the project results

3.1 Deliverables

The BOOSTLOG consortium has submitted all deliverables, as shown in Table 3. All submitted deliverables, except the two confidential deliverables D6.1 H-Requirement No.1 and D6.2 POPD – Requirement No.2, are available on the BOOSTLOG webpage and via the ALICE Knowledge Platform. Those deliverables provide a substantial knowledge to the logistics innovation community.

⁹ <https://www.polisnetwork.eu/2021-annual-polis-conference/>

¹⁰ <https://itseuropeancongress.com/>

¹¹ <https://www.etp-logistics.eu/boostlog/>

¹² <https://www.etp-logistics.eu/launch-of-the-task-force/>



Table 3 List of Deliverables of BOOSTLOG

Deliverable (number)	Deliverable name	Leading author	Submitted date
D1.1	Project management handbook	ALICE	March 2021
D1.2	1st Management and progress report	ALICE	June 2022
D1.3	Impact Indicators and Risk Management Report	ALICE	June 2022
D1.4	Final report	ALICE	December 2022
D2.1	Detailed Mapping of EU-Funded Research Projects (EXCEL sheet)	ZLC	July 2021
D2.2	Report on Logistics Cloud I - Coordination and Collaboration	ZLC	December 2021
D2.3	Barriers assessment and positive framework conditions (i)	ZLC	March 2022
D2.4	Report on Logistics Cloud II – Urban Logistics	FIT	March 2022
D2.5	Report on Logistics Cloud III – Logistics Nodes	VPF	April 2022
D2.6	Report on Logistics Cloud IV – Freight and Logistics Data Sharing	ICCS	August 2023
D2.7	Report on Logistics Cloud V – Multimodal freight, corridors & transport networks	HACON	December 2022
D2.8	Report on Logistics Cloud VI – Physical Internet including Modularization and Transshipment technologies	ALICE	May 2023
D2.9	Barriers assessment and positive framework conditions		
D2.10	Report on Logistics Cloud VI – Transition to zero emissions energies and vehicles for transport and logistics	ALICE	September 2023
D2.11	Report on Logistics Cloud VI – Digital technologies and applications for logistics	ALICE	December 2023



	(Digital Twins, IoT, 5G, AI and Blockchain, Automated Transport)		
D3.1	Valorisation strategy guidelines. (i)	TKI-DIN	March 2022
D3.2	Impact analyses of EU funding in logistics priority Clouds, KPIs and recommendations.	ZLC	June 2022
D3.3	Innovation marketplace	ALICE	June 2022
D3.4	Valorisation strategy guidelines (ii)	TKI Dinalog	July 2023
D3.5	Impact analyses of EU funding in logistics priority Clouds, KPIs and recommendations (ii)	ZLC	August 2023
D4.1	Definition of high relevance topics for freight transport and logistics (version 1)	Fraunhofer	December 2021
D4.2	Gap analysis for R&I Logistics Clouds (version 1)	ZLC	January 2022
D4.3	Recommendations for future R&D activities (version 1)	Fraunhofer	March 2022
D4.4	Definition of high relevance topics for freight transport and logistics (version 2)	Fraunhofer	December 2021
D4.5	Gap analysis for R&I Logistics Clouds (version 2)	ZLC	January 2022
D4.6	Recommendations for future R&D activities (version 2)	Fraunhofer	March 2022
D5.1	Plan for Stakeholder Engagement, Communication and Dissemination 1st version	ALICE	March 2021
D5.2	Data Management Plan	ALICE	June 2021
D5.3	Report on Stakeholder Engagement, Communication and Dissemination	ALICE	March 2022
D5.4	Develop specific communication materials for companies	SFC	June 2022
D5.5	Data management update	ALICE	June 2022
D5.6	Report on Stakeholder Engagement, Communication and Dissemination	ALICE	June 2023
D5.7	Post Project exploitation plan	ALICE	June 2023



D5.8	Data Management Plan Update	ALICE	June 2023
D6.1	H - Requirement No.1	ALICE	March 2021
D6.2	POPD – requirement No. 2	ALICE	March 2021

3.2 Milestones

All the milestones have been reached as shown below:

Milestone (number)	Milestone name	Leader	Due date	Reached
MS1	Project Kick-off Meeting in which to launch and start project activities	ALICE	M1	M2
MS2	BOOSTLOG launching workshop	ALICE	M3	M3
MS3	Logistics Clouds defined (i) - The initial logistics clouds are defined and validate in the launching workshop	Fraunhofer	M3	M3
MS4	Relevant R&I Gaps defined (i) A heat map is developed to identify the main R&I gaps	Fraunhofer	M6	M10
MS5	Launch of the Innovation Marketplace	ALICE	M15	M18
M6	1st Interim Review	All	M18	M18
M7	Logistics Clouds defined (ii)	Fraunhofer	M23	M24
M8	Impact of R&I recommendations	ALICE	M24	M24
M9	Relevant R&I Gaps defined (ii)	Fraunhofer	M26	M26
M10	Transport & Logistics Munich	ALICE	M30	M29
M11	BOOSTLOG final workshop	All	M33	M36
M12	Final review	All	M36	M38 (in Feb 2024)



Annex A Poster - European Funding for Logistics Innovation

European Funding for Logistics Innovation

Research & Innovation
Technology Readiness Level 1-7

Horizon Europe
is the EU's key funding programme for R&I

- €95 billion
- €324 million
- €197 million
- €500 million
- €3.8 billion

Europe's Rail

2E ZERO

CCAM

Zero-Emission Waterborne Transport

Implementation of Innovation
Technology Readiness Level >7

Interreg

- €10 billion
- €31.1 billion
- €5.4 billion
- €3 billion
- €38 billion
- €3 billion

Life

Urban Mobility

INNOVATION FUND

European Investment Bank

European Innovation Council

Activities performed in the frame of BOOSTLOG Project, "Boosting impact generation from research and innovation on integrated freight transport and Logistics system", that has received funding from the European Union's Horizon 2020 research and innovation Programme under grant No 101006902



Annex B: Task Force's Call for Actions full paper

Call for Actions

to support uptakes of Horizon 2020 and Horizon Europe projects' results in the transport sector

published by the Task Force on Accelerating Innovation Uptake for Sustainable Transport¹³:



EU funded research and innovation (R&I) projects in the transport sector have played an important role in advancing innovations, accelerating digitalisation, providing more inclusive services, reducing emissions and pollution, improving efficiency, and strengthening competitiveness. Such R&I projects have also created opportunities for cooperation among various stakeholders, enabled new business models and even created new enterprises. Dissemination and exploitation have always been an important part of R&I projects. Although all project proposals have already included dissemination and exploitation plans, it has been noted that not all project results have been exploited and, eventually, expected societal impacts may not be delivered.

To address this issue, the European Commission (EC) has requested that all Horizon 2020 and Horizon Europe projects should plan their dissemination and exploitation activities beyond EU funding ending. Following finishing of the Horizon 2020 program (2014 – 2020), Horizon Results Platform¹⁴ and Horizon Results Boosters¹⁵ dedicating to exploitation of Horizon 2020 projects have been set up. In addition, various support schemes are available for follow-up steps, e.g. national programmes, InnovFin¹⁶, EFSI¹⁷, Regional Funds, Enterprise Europe Network (EEN), European Intellectual Property (IP) Helpdesk¹⁸.

We call on all project beneficiaries, associations with interests in the Horizon Europe Programme, and EC to take actions in support uptakes of R&I project outcomes to realise full potential of innovation in the transport sector:

¹³ The Task Force was launched in December 2021. More information can be found: <https://www.etp-logistics.eu/launch-of-the-task-force/>.

¹⁴ Horizon 2020 Results Platform - Making Result Matter: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-results-platform>

¹⁵ Horizon Results Booster: <https://www.horizonresultsbooster.eu/>

¹⁶ InnovFin: EU finance for innovators: <https://ec.europa.eu/programmes/horizon2020/en/h2020-section/access-risk-finance>

¹⁷ Enterprise Europe Network (EEN): <https://een.ec.europa.eu/>

¹⁸ European Intellectual Property (IP) helpdesk: https://intellectual-property-helpdesk.ec.europa.eu/regional-helpdesks/european-ip-helpdesk_en



1. For all project beneficiaries and those who are interested in the Horizon Europe Programme:
 - To collect and showcase successful uptake of past EU funded R&I projects, aiming to raising awareness and giving project beneficiaries ambitions to create successful business (e.g. start-ups) and breakthrough innovation beyond winning a project and completing tasks of the project.
 - To develop guidelines based on successful examples, and provide training and capacity building to project beneficiaries to help them design proposals, implement projects and further exploitation of project results to achieve real impact.
2. Before project phase (proposal preparation phase):
 - To require information in a proposal on consortium members' experiences in exploitation of previous projects (instead of list of relevant projects)
 - To encourage consortium members to include business and marketing experts in project teams rather than a team consisting of only project manager and researchers
 - To continue simplification of proposal preparation and project management to enable new organisations and experts to join R&I project teams
 - To form a proposal consortium together all type of stakeholders who may help in exploitation, particularly with end user of project results to define, develop and pilot innovative solutions, thus advancing uptake of project results
 - To encourage and advocate for industry experts who are familiar with marketing and sectors' technical development to be experts for proposal evaluation.
3. During project phase:
 - To provide guidance on exploitation and continuously assess progress of a project based on their efforts to implement results throughout the entire project period
 - To advocate for synchronisation of funding opportunities (EU, regional and national schemes) to enable project results on various levels of Technology Readiness Levels (TRL) to access funding for uptake of project results. Good practices have been identified in supporting FP7 and Horizon 2020 projects to apply for Innovation Fund. Calls of funding schemes for applications should take into account timelines of ongoing R&I projects to enable them to prepare for application during the project periods.
 - To disseminate funding and investment opportunities to project beneficiaries and support them to prepare for applications through training and capacity building
4. Post project phase:
 - To systematically collect information on project beneficiaries' exploitation results of previous projects, e.g. requiring each beneficiary to complete a questionnaire a few years after end of a project; such activity can on a voluntary basis. However, EC can evaluate performance of project beneficiaries on exploitation and provide training and guidelines to those who have not successfully implemented their exploitation plans committed in Descriptions of the Action (DoA).
 - To cooperate with regional and national funding schemes to support capitalisation of R&I project results and understand impacts and benefits of R&I projects at a local level.
 - To facilitate industry associations, research membership organisations and city/region networks to evaluate short and long-term impacts of R&I projects in the transport sector, cities/regions and beyond.

Note: exploitation covers a wide range of subjects, e.g. new products, new services, new start-ups, but also new policies, new syllabus as well publications etc.