



Project type: CSA
Start of the project: 01/01/2021 Duration: 36 months

[D3.1] Report on identified supply, demand and financing opportunities

WP n° and title	WP3 – Phase 1 – Attract
Responsible Author(s)	CIAOTECH
Contributor(s)	CIAOTECH, PNO ES, CFH
Dissemination Level	PU



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006681

DELIVERABLE INFORMATION

Status (F: final; D: draft; RD: revised draft):	F
Planned delivery date	31/08/2021 (M8)
Actual delivery date	14/02/2022 (M13)
Dissemination level: (PU = Public; PP = Restricted to other program participants; RE = Restricted to a group specified by the consortium; CO = Confidential, only for members of the consortium)	PU
Type: Report, Website, Other, Ethics	Report

DOCUMENT HISTORY

Version	Date (DD/MM/YYYY)	Created/Amended by	Changes
01	26/05/2021	Edgar Valverde (PNO ES)	Deliverable structure.
02	29/07/2021	Antonio Invito (CIAOTECH), Edgar Valverde (PNO ES)	Integration of contents provided by partners involved.
03	09/08/2021	Marco Molica Colella (CIAOTECH), Jeanett Bolther (PNO ES)	Review and content
04	27/08/2021	Antonio Invito (CIAOTECH), Edgar Valverde (PNO ES), Jeanett Bolther (PNO ES), Pieter van de Glind (CFH)	Review and content. Feedback from reviewers integrated. Format quality check.
05	30/08/2021	Jeanett Bolther (PNO ES)	Revision introduction and conclusions as well as final spell and grammar check
06	11/02/2021	Antonio Invito (CIAOTECH), Edgar Valverde (PNO ES), Jeanett Bolther (PNO ES)	Updated content based on new strategy. Review and content.

QUALITY CHECK REVIEW

Reviewer (s)	Main changes
Yanying Li (ALICE)	Minor comments in chapter 3, 4 and 5.
Kasia Żelichowska (IWT)	Minor comments
Carolina Salas (PNO)	Format check
Edgar Valverde (PNO)	Format check
Jeanett Bolther (PNO)	Final content check

DISCLAIMER AND COPYRIGHT

© 2021, ENTRANCE CONSORTIUM

This publication has been provided by members of the ENTRANCE consortium. The content of the publication has been reviewed by the ENTRANCE consortium members but does not necessarily represent the views held or expressed by any individual member of the consortium.

While the information contained in the document is believed to be accurate, ENTRANCE members make no warranty of any kind with regard to this material including, but not limited to the implied warranties of merchantability and fitness for a particular purpose. None of the ENTRANCE members, their officers, employees or agents shall be responsible, liable in negligence, or otherwise howsoever in respect of any inaccuracy or omission herein. Without derogating from the generality of the foregoing neither of the ENTRANCE members, their officers, employees or agents shall be liable for any direct, indirect, or consequential loss or damage caused by or arising from any information advice or inaccuracy or omission herein.

ENTRANCE has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006681. The same disclaimers as they apply to the consortium members equally apply to the European Union employees, officers and organisations.

LIST OF CONTENTS

Deliverable information	2
Document History	2
Quality check review.....	3
Disclaimer and copyright	3
LIST OF FIGURES	6
LIST OF TABLES	8
LIST OF ABBREVIATIONS AND DEFINITIONS	9
1. EXECUTIVE SUMMARY	11
2. INTRODUCTION	13
3. ENTRANCE IDENTIFICATION OF OPPORTUNITIES: METHODOLOGY AND SCOPE.....	14
3.1. Scope of the assessment and overview of the work done	14
3.2. Taxonomy definition.....	15
3.3. Innovation financing programmes.....	17
3.4. Searching for innovation ecosystems.....	19
3.4.1. Organisations selection	19
3.5. Introduction to the Stakeholders Positioning Map	21
4. INNOVATION FINANCING PROGRAMMES	22
4.1. Equity	22
4.2. Guarantees	22
4.3. Debt	23
4.4. Grants and subsidies	23
4.5. Pre-Commercial Procurement (PCP)	24
4.6. Public Procurement of Innovative Solutions (PPI).....	24
4.7. Alternative financing solutions	25
5. MAPPING THE INNOVATION ECOSYSTEM FOR TRANSPORT AND MOBILITY SOLUTIONS ..	26
5.1. Project analysis.....	26
5.1.1. Top funding schemes	26
5.1.2. Stakeholders mapping	27
5.2. Patent analysis.....	29
5.3. Desktop search derived organisations analysis	32
5.4. Matching identified stakeholders with ENTRANCE platform’s profiles.....	33
5.4.1. SUPPLY: Mapping of the identified stakeholders.....	33
5.4.2. DEMAND: Mapping of the identified stakeholders	36
5.4.3. FINANCE: Mapping of the identified investors	39
5.5. MAPPING THE COMBINED ECOSYSTEM BY NETWORKS AND PARTNERSHIPS	41
6. IDENTIFICATION OF KEY PLAYERS FOR THE ENTRANCE PLATFORM.....	44

6.1.	ENTRANCE POSITIONING MAPS	44
6.2.	ELECTRIFICATION	45
6.3.	ALTERNATIVE FUELS AND VEHICLES	48
6.4.	MANAGEMENT SYSTEMS AND DIGITALISATION.....	51
6.5.	INNOVATIVE MATERIALS.....	54
6.6.	OTHER TECHNOLOGIES.....	57
6.7.	TECHNOLOGIES FOR MODALITY TRANSPORT	60
7.	CONCLUSIONS	61
8.	BIBLIOGRAPHY / REFERENCES	62
9.	ANNEX 1 – PROJECTS AND PATENTS IDENTIFICATION.....	63
10.	ANNEX 2 – PROJECTS IDENTIFIED	64
11.	ANNEX 3 – STAKEHOLDERS IDENTIFIED	68
11.1.	Supply	68
11.2.	Demand	72
11.3.	Finance	77
12.	ANNEX 4 – ABOUT WHEESBEE	79

LIST OF FIGURES

Figure 1: The ENTRANCE concept focus.	
Figure 1: The ENTRANCE concept focus.	11
Figure 2: Snapshot of the process for this assessment.	14
Figure 3: Financiers mapping (Partial extract of the results, for illustrative purposes only).	18
Figure 4: Overview of the Innovators mapping.	19
Figure 5: Number of selected projects and funding received per starting year.	26
Figure 6: Number of selected projects and funding received per funding programme.	27
Figure 7: Relevant organisations per type and country of origin.	28
Figure 8: a) Non-profit organisations with more participations in the selected projects. b) Private companies with more participations in the selected projects.	29
Figure 9: a) Number of resulted patents per publication year. b) Percentage of resulted patents by CPC categories.	30
Figure 10: Selected patents per CPC categories (%).	30
Figure 11: Relevant applicants per organisation type and country of origin.	31
Figure 12: Applicants with more selected patents.	32
Figure 13: Organisations from desktop search by type.	33
Figure 14: Typology and country of origin of the organisation belonging to the "supply" category.	34
Figure 15: "Suppliers" per technology area.	34
Figure 16: Number of suppliers per mode of transport.	35
Figure 17: Top suppliers per mode of transport.	36
Figure 18: Typology and country of origin of the organisation belonging to the "demand" category.	37
Figure 19: "Buyers" per technology area.	38
Figure 20: Potential buyers per mode of transport.	38
Figure 21: Top buyers per mode of transport.	39
Figure 22: Typology and country of origin of the organisation belonging to the "finance" category.	40
Figure 23: Selected investors per type of addressed beneficiaries.	40
Figure 24: Public procurement ecosystem mapping.	43
Figure 25: Main actors in the electrification of road transport.	46
Figure 26: Main actors in the electrification of rail transport.	46
Figure 27: Main actors in the electrification of waterborne transport.	47
Figure 28: Main actors in the electrification of air transport.	47
Figure 29: Main actors in alternative fuels and vehicles for road transport.	49
Figure 30: Main actors in alternative fuels and vehicles for rail transport.	49
Figure 31: Main actors in alternative fuels and vehicles for waterborne transport.	50
Figure 32: Main actors in alternative fuels and vehicles for air transport.	50
Figure 33: Main actors in management systems and digitalisation technologies for road transport.	52

Figure 34: Main actors in management systems and digitalisation technologies for rail transport.	52
Figure 35: Main actors in management systems and digitalisation technologies for waterborne transport.	53
Figure 36: Main actors in management systems and digitalisation technologies for air transport.	53
Figure 37: Main actors in innovative materials solutions for road transport.	55
Figure 38: Main actors in innovative materials solutions for rail transport.	55
Figure 39: Main actors in innovative materials solutions for waterborne transport.	56
Figure 40: Main actors in innovative materials solutions for air transport.	56
Figure 41: Main actors in other technologies aiming to lower emissions for road transport.	58
Figure 42: Main actors in other technologies aiming to lower emissions for rail transport.....	58
Figure 43: Main actors in other technologies aiming to lower emissions for waterborne transport.	59
Figure 44: Main actors in other technologies aiming to lower emissions for air transport.	59
Figure 45: Main actors in technologies able to implement modality transport.	60

LIST OF TABLES

Table 1: Transport type classification in ENTRANCE	15
Table 2: Technology definitions in ENTRANCE	15
Table 3: Desktop search sources	20
Table 4: Origin of the sources in the alternative financing landscape	25
Table 5: How the investments can be organised in the alternative finance landscape	25
Table 6: Number of organisations selected per website considered for the desktop search	32
Table 7: Table of keywords	63

LIST OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Definition
AI	Artificial Intelligence
CPC	Cooperative Patent Classification
DoA	Description of Action
EBRD	European Bank for Reconstruction and Development
EC	European Commission
EIB	European Investment Bank
EIF	European Investment Fund
H2020	Horizon 2020
ICT	Information and Communications Technology
MIPM	Market and Innovation Positioning Map
ML	Machine Learning
MPM	Market Positioning Map or Stakeholder Positioning Map (Can also be referred as MIPM, see below).
NB	Nota Bene
OEM	Original Equipment Manufacturer
PCP	Pre-Commercial Procurement
PPI	Public Procurement of Innovative Solutions
R&D&I	Research and Development and Innovation (also referred as RDI)
RTOs	Research and Technology Organisations
SME	Small and Medium Enterprise
T&M	Transport & Mobility
TRLs	Technology Readiness Levels
VC	Venture Capital

Short name and name of beneficiaries

Short name	Name
CIAOTECH*	Ciaotech Srl
PNO ES*	PNO Innovation S.L. (third party of CIAOTECH)
ALICE	Alliance for Logistics Innovation through Collaboration in Europe
CFH	CrowdfundingHub BV
IWT	European Inland Waterway Transport Platform

* CIAOTECH and PNO ES are both parts of PNO group. The content of this deliverable sometimes refers to "PNO group" or "PNO" intended as both companies.

1. EXECUTIVE SUMMARY

ENTRANCE will offer a unique EU online Matchmaking platform for the entire European transport and mobility landscape. The ENTRANCE platform is expected to be the legitimate matchmaking platform for innovators in the transport and mobility sector as it will bridge the gap of finance towards the market for such innovative solutions. The platform will:

- connect a critical mass of relevant stakeholders from the “supply-demand-finance” triangle in the entire transport and mobility sector, including all transport means and modes,
- create an increased visibility of “first-of-a-kind” transport solutions, foreseen replacement plans and schedules of major buyers and public and private financing opportunities, and
- do an automatic matchmaking that will facilitate the scale up, market uptake, and access to finance.

In order to identify and attract the most innovative and active organisations as users of the platform to boost their uptake and upscaling and, at the same time, attract further stakeholders to the platform, this report contains insights about the key players in the recent years for decarbonising the transport and mobility sector of goods and passengers.

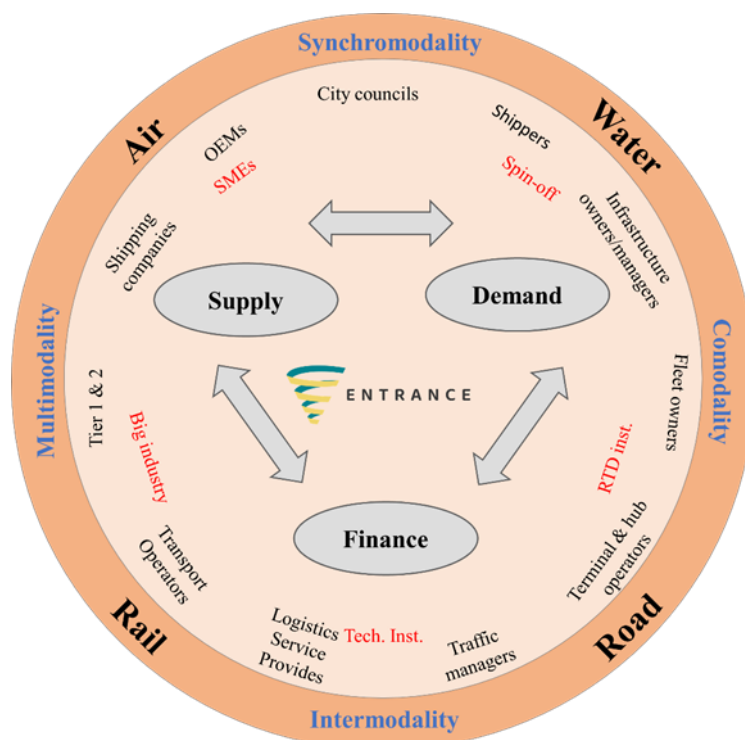


Figure 1: The ENTRANCE concept focus.

The information about these relevant stakeholders will be used during the project to attract best practices and relevant European stakeholders to the ENTRANCE community, through dedicated communication tools or by adapting the messages according to the market trends.

This report has been built using the same ‘taxonomy’ -categorisation by key concepts in different levels- that has been used to develop the ENTRANCE platform. This means that this document presents a seamless organisation towards the actual ENTRANCE community.

The different stakeholders have been identified through desk research and by using dedicated tools, owned by PNO group, that have been organised not only by using the adapted ENTRANCE taxonomy, but also by linking such profiles with the main profiles of the ENTRANCE “supply-demand-finance” triangle.

In addition to this, to cover all the aspects that will feed the platform, this report also provides a glance of financing opportunities available at EU level, including the main definitions to consider and a high-level guidance to understand how to attract funding for innovative solutions. This information complements the entities that have been identified as investors during the stakeholder assessment (under the finance pillar).

This document may be updated on a continuous manner during the execution of the project so that it reflects all new identified stakeholders.

2. INTRODUCTION

This report on identified supply, demand and financing opportunities for feeding the ENTRANCE platform is based on a clear methodology created by PNO group. This methodology focuses on the identification of key stakeholders according to an innovation scoreboard of projects and patents that is part of the already mentioned methodology. This assessment is complemented with an identification of the key concept and the main financing opportunities that will complement the investors present on the ENTRANCE platform.

The report provides a clear description of the methodology used in section 3, to allow a clear understanding of how the information has been collected and how the main findings are organised. An analysis of public-funded project has been carried out to identify these key stakeholders for the ENTRANCE community, section 4 highlights such funding sources and the main financing opportunities.

Section 5 provides the main findings of the assessment that has been carried out, including the linkage of such findings with the main profiles of the ENTRANCE platform. On the other hand, section 6 organises such information by delivering position maps to understand better which players can cover which role under each transport mode and solution category.

The annex to this document provides the main boundaries used for the search involved in this analysis, the exhaustive list of projects analysed, and the overall list of entities identified during this assessment.

3. ENTRANCE IDENTIFICATION OF OPPORTUNITIES: METHODOLOGY AND SCOPE

3.1. SCOPE OF THE ASSESSMENT AND OVERVIEW OF THE WORK DONE

This assessment in the framework of the ENTRANCE project has the aim of finding and selecting a high number of actors and financing opportunities which operate in the transport and mobility sector and contribute on lowering the environmental impact of this sector.

The aim is to bring some of these actors to the ENTRANCE platform in order to help bridging the funding gap for technology providers, by reaching potential buyers and both public and private investors.

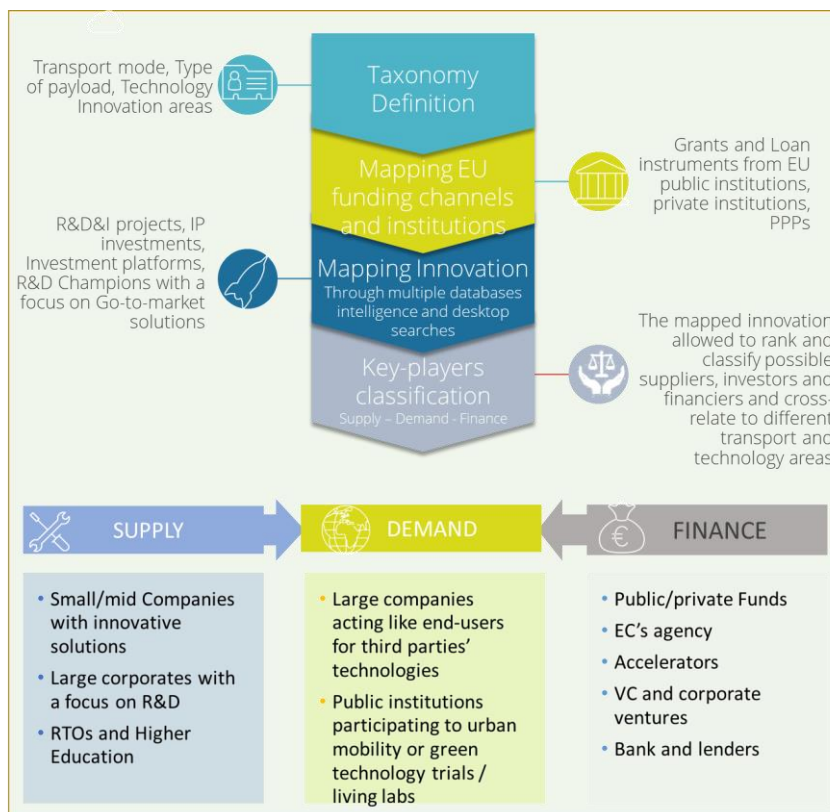


Figure 2: Snapshot of the process for this assessment.

All the players identified are split in three categories, being in line with the profiles already identified for the platform: **supply**, **demand** and **finance** (see Figure 2).

To identify the stakeholders, an original PNO's methodology has been customised, mixing a technology search based on an innovation scoreboard of projects & patents with a complementary desktop analysis, according to the methodology described in the following section. In this regard, after the analysis that leads to the identification of the individual stakeholders, an overview is made of the ecosystem of networks, projects and partnerships identified that can favour the matchmaking between supply, demand and financing, with a focus on public procurement.

The assessment of financing programmes includes exclusively the identification of the opportunities specific matches will be integrated through the platform and matched with user according to detailed descriptions of the funding opportunities.

3.2. TAXONOMY DEFINITION

Taxonomy Definition

All possible modes of transport have been considered, both passengers and goods, and any type of vehicle. A specific taxonomy was defined and acknowledged by the ENTRANCE partners for technologies and transport modes.

In compliance to the ENTRANCE platform, all possible modes of transport were considered, both passengers and goods, and any type of vehicle. A specific taxonomy was defined and acknowledged by the ENTRANCE consortium for technologies, stakeholders' classification and transport modes

The adopted classification is reported in Table 1 and Table 2, which show the simplified *transport areas* and the *technology classification* used to tag the expertise of different organisations and to analyse different projects. For all of them, *passenger*, *freight* and *public transport* have been considered.

If an organization is involved or provides services for more than one of the macro areas or "what" categories just mentioned, it is classified as *multiple* mode of transport or type of what is transported. *Other technologies* can include -e.g.- the use of scrubbers to reduce NOx and SOx emissions), *actions* (e.g. upgrading of infrastructure to favour the multimodality) *engineering design* (e.g. improvement of aerodynamics or new powertrain conceptions) or *monitoring of pollution and emissions*.

Table 1: Transport type classification in ENTRANCE

TRANSPORT SECTOR	
Level 1	Level 2
RAIL TRANSPORT	Passenger Rail Transport (Interurban)
	Freight Rail Transport
	Rail vehicles
ROAD TRANSPORT	Freight transport services by road
	Public passenger transport by road
	Interurban scheduled road transport
	Road vehicles, including urban passenger vehicles and cars and public transport and commercial road
WATERBORNE TRANSPORT	Inland passenger water transport
	Inland freight water transport
	Sea and coastal passenger water transport - Short Sea Shipping
	Sea freight/Ocean freight - Deepsea
	Waterborne vessels
AIR TRANSPORT	Passenger Air Transport
	Freight Air Transport
	Air transport vehicles, including Unmanned Aerial Vehicle (UAV)
MODALITY	Combined transport
	Multimodality (<i>Combined Transport.</i>)
	Intermodality (<i>Transportation of freight in an intermodal container or vehicle</i>)
	Synchromodality (<i>Evolution of inter- and co- modal transport concepts</i>)
	Co-modality
	Urban Logistics - Distribution
Urban Mobility	

Table 2: Technology definitions in ENTRANCE.

TECHNOLOGY CLASSIFICATION	
Alternative fuels and vehicles	Alternative fuel
	Alternative fuel re-fuelling infrastructure
	Fuel cell system
	Hydrogen infrastructure

	Vehicle propulsion, Fuel cell electric vehicle (FCEV)
	Vehicle propulsion, Fuel cell vehicle (FCV)
Digitalisation	5G
	Advanced Driver Assistance System
	Artificial Intelligence (AI)
	Big Data
	Blockchain
	Collaborative or digital platform - connectivity platforms
	Cooperative, Connected and Automated Mobility (CCAM)
	Decision Support System
	Internet of Things (IoT)
Electrification (regarding the technologies that help boosting electromobility or the electrification of railways as well)	Batteries
	Vehicle power/re-charging systems, operations and infrastructure
	Vehicle propulsion, Battery electric vehicle (BEV)
	Vehicle to Grid (V2G)
Innovative Materials	Innovative Materials
Management Systems (technologies that help to develop fleet or traffic management, comprising ICT tools as AI, ML...)	Infrastructure management system
	Intelligent port systems
	Intelligent Transport Systems (ITS)
Smart solutions	Boxes
	Combined passengers and goods delivery
	Container
	Load carriers
	Load Units
	Pallet
	Parking management
	Transport crate
	Urban delivery solutions
Transport & logistics operations	Aircraft operations
	Cargo handling
	Cargo pooling
	Carpooling
	Corridor management
	Intelligent ports, terminals and hubs
	Logistics as a service (LaaS)
	Logistics nodes management
	Mobility as a Service (MaaS)
	Multimodal hub and network solution
	Physical Internet
	Pipeline as a Service (PaaS)
	Routing
	Smart contracts
	Systems and Technologies for Interconnected Logistics
Transport Management Information System	
Vehicle design	Aircraft propulsion
	Autonomous and semi-autonomous sailing
	Cabin and cockpit design
	Other green vehicles, including cargo bike, etc.
	Rail vehicle design
Ship design	

	Ship/vessel wheelhouse
	Transport infrastructure equipment/machinery, including cranes, etc.
	Unmanned vehicle
Vehicle technology	Delivery Robots
	Platooning
	Power train technology
	Rail control systems
Others	Other (e.g. Scrubbers))
	Resilience
	Safety system

3.3. INNOVATION FINANCING PROGRAMMES

Mapping EU funding channels and institutions

Bridging the gap for financing innovation is one of the main challenges for a company aiming to scale-up or grow. To this purpose, ENTRANCE is mapping EU's major types of programmes addressing the Transport and Mobility sector, alongside all those financing bodies with a focus on sustainability

Information about private and public financiers has been identified and collected. The main financing programmes have been described in section 4 while more than 220 financiers all around EU-27 and outside have been mapped in section 5. While sustainable finance is increasing, mobility is backed up by many corporate ventures by main OEMs. Early-stage finance is well represented too, from VCs to business angels to grants.

The considered **public investors** are *national bodies* and *European institutions* (e.g. EC and EIB); the **private investors** are usually *large companies with a corporate venture capital, private funds, venture capital and business angels* and *private banks and investment companies*; finally the **public-private investors** are represented by *co-participated funds* and *accelerators*. They have been selected and classified based on the ownership (public, private or a hybrid of the two) and the addressed beneficiaries (start-up, small-cap, mid-cap or consortia).

The following figure provides a summary of the framework for financing innovation and the landscape of how it is organised at international level:

Large companies with VC (corporate ventures)	Public/Private				Public
	VC and Business Angels	Banks and Investment companies	Funds	Accelerators	National bodies / EU institutions
					

Figure 3: Financiers mapping (Partial extract of the results, for illustrative purposes only).

With regards of innovation financing programmes, their identification has started with a clear definition of the criteria to select these opportunities. The following aspects have been considered:

- **Outreach:** European. This selection has been done considering the possibility of providing the same opportunities to entities or individuals throughout Europe. Including funding from local to national authorities would enlarge the list of specific entities from a certain country.
- **Scope:** Transportation or mobility solutions scale-up or implementation, including also support for investment in advanced technologies.
- **Technology Readiness Level (TRL):** ENTRANCE platform will provide support to near to the market innovative solution that need to bridge the gap of financing to reach the market. It has been considered that funding opportunities from TRL6¹ responds to the expectations of future ENTRANCE platform users.

It is important to mention here that the information collected and listed has been gathered from public sources with the utmost care and updated when creating this deliverable. However, this assessment responds only to the objective of the ENTRANCE project for identifying financing opportunities and shall not be considered as a financial advisory service by any party accessing to this document.

¹ Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies).

3.4. SEARCHING FOR INNOVATION ECOSYSTEMS

Mapping Innovation Through multiple databases intelligence and desktop searches

After the identification of public programmes supporting the road-to-market of sustainable transport solutions, more than 2000 interesting stakeholders have been identified. They were spotted by mixing (i) a technology intelligence and stakeholder analysis on PNO's proprietary databases of R&D&I funded projects and patents and (ii) desktop research on multiple public databases

The initial steps allowed to rebuild a large ecosystem, while a second step consisted in categorizing it according to ENTRANCE's specific taxonomies (Chapter 5). Finally, the specific PNO's *Market & Innovation Positioning Maps* © have been adapted to the ENTRANCE scope to concretely highlight specific key-players (Chapter 6).

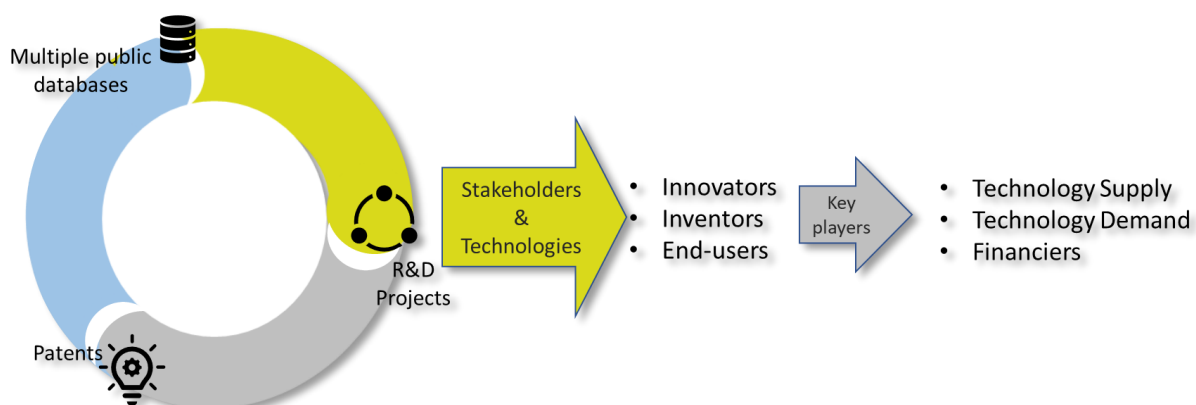


Figure 4: Overview of the Innovators mapping.

3.4.1. Organisations selection

More in detail, once the interesting projects and patents were identified², all the participating organisations / relevant-patents applicants have been analysed and evaluated considering the potential interest to join the ENTRANCE platform. The selected organisations have been first divided in supply, demand or finance (most of them can cover more roles as has been already identified in proposal stage and early execution stages) and have then been classified per typology, mode of transport and per type of technology (under development or for which there is an interest). Financiers have been instead classified based on their area of intervention.

The last brick consisted of performing a desktop analysis through various websites and databases of companies and entities active in the transport sector. The websites and databases have been chosen considering various accelerator platforms or EC-linked sources to bring out the most active and innovative

² See more details in the Annex 1.

organisations in proposing and financing state-of-the-art technologies in the transport sector at European level. The sources included are listed and described below in Table 3.

Eventually, the considered typology of organisations includes:

- Start-ups (companies with less than 5 years of activity excluding joint ventures);
- SMEs (companies with less than 250 employees);
- Large companies (companies with more than 250 employees);
- Universities;
- RTOs;
- Public bodies (this category embraces also port authorities);
- Municipalities (cities, counties and regions);
- Infrastructures (ports, air ports, hubs, etc.).

Table 3: Desktop search sources.

Innovations databases	
<u>Seal of Excellence - Access2EIC</u>	The Seal of Excellence is a quality label awarded to project proposals submitted to Horizon 2020 which succeeded a highly competitive evaluation process by independent experts but did not receive funding due to budget limits.
<u>Euroquity - Companies</u>	Created by Bpifrance in 2008, EuroQuity is an online matchmaking platform that helps companies meet investors and partners.
<u>Euroquity - Investors</u>	Created by Bpifrance in 2008, EuroQuity is an online matchmaking platform that helps companies meet investors and partners.
<u>InvestHorizon</u>	InvestHorizon is a programme financed by the European Commission, in association with Eureka, to facilitate series A funding for selected deep tech companies boosting their investment readiness and investor relations. The programme is run by a consortium coordinated by Tech Tour. InvestHorizon Accelerator offers FREE services to raise the investment readiness of SMEs from EU, Horizon2020 and EUREKA countries.
<u>EIT Urban Mobility Accelerator</u>	The EIT Urban Mobility Accelerator is an EU-funded programme in five European regional hubs implemented through partners to take early-stage mobility start-ups to the next level. They are looking for early-stage start-up teams with business ideas that reduce congestion and increase efficiency in the transport system.
<u>EIT InnoEnergy Start-ups Portfolio</u>	EIT InnoEnergy brings people and resources together, catalysing and accelerating the energy transition.
<u>EIT Climate-KIC Start-ups</u>	Climate-KIC is Europe's largest public-private innovation partnership focused on climate innovation to mitigate and adapt to climate change.
<u>EIT Digital Accelerator</u>	EIT Digital is a leading European digital innovation and entrepreneurial education organisation driving Europe's digital transformation. It works as accelerator also for start-ups operating in transport and mobility sector.
<u>EU-Startups Database</u>	Database of European Start-ups.

Horizon Results Platform	EU-funded projects results platform in which technology developers can be matched with policy makers, investors or potential buyers.
Innovation Radar	The Innovation Radar is a European Commission initiative to identify high potential innovations and innovators in EU-funded research and innovation projects.

3.5. INTRODUCTION TO THE STAKEHOLDERS POSITIONING MAP



Market & Innovation Positioning Map © (MIPM) - PNO has been defining its own 4-quadrants matrix in the last 8 years. It is presented below. Its advantage is that it is built in such a way to particularly:

- 1) Define the general framework of noticeable companies working on a particular technology topic
- 2) Evidence those key – smaller/emerging - players with a very specific knowledge on the analysis subject matter.

The analysis is intended to be qualitative, but based on a quantitative weighted measurement of a mixed scoreboard. More in detail,

- **Innovation Vision and Specific Knowledge (x-axis)** – This takes into account both the R&D capacity in the field (including funding and IP) and a specific Affinity Index which weights the proximity to the specific project technology at the centre of the analysis (NOTE that in this case the Affinity was also defined by considering TRL)
- **Investing Capacity (y-axis)** – This considers the capacity and structure to invest (e.g. turnover), including the nature of the organisation.

From the bottom to the top, the organisations with growing investing capacity are positioned. Going from the left to the right instead, the organisations with increased specific domain knowledge and innovation can be found. The upper-right quadrant defines organisations most likely to be market incumbents, whilst in the lower-right one relevant technology providers or visionaries can be found, with most specific knowledge with respect to the analysed topic.

The MIPM can identify the "position" of an organisation with respect to the investment capacity and readiness on products and technologies which -in the case of ENTRANCE project- sums to the requirement of lowering emissions in transport and mobility sector, according to ENTRANCE's objectives. In the following, several Stakeholder Positioning Maps are reported, according to PNO's criteria to highlight the most relevant organisations in each mode of transport for each type of technology area.

4. INNOVATION FINANCING PROGRAMMES

As introduced in the methodology section, the financing programmes framework available for innovative solutions to approach the market is wide and can be divided among different categories. These categories have been organised according to the typology of support that ENTRANCE platform users could need:

4.1. EQUITY

Equity describes the ownership of assets of the company so when a company decides to expand its equity through external sources it is selling a part of the company to fund its own activity usually for expansion phases. By investing through equity mechanisms in a company the risk of the investment is linked to the company's success: the company assets are liquidated shareholders would receive the resultant money after paying company's debt.

In addition to this, there is also a mechanism called 'quasi equity' that combines the characteristics of equity and debt (see section 4.3).

While specific private entities supporting initiatives through funding will be identified during the upcoming sections of this assessment, the main public references with regards of public supported equity or quasi-equity are the following:

- European Investment Bank (EIB) Venture Debt mechanism.
- European Investment Fund (EIF) through the COSME Equity Facility for Growth or InnovFin Equity mechanisms.

4.2. GUARANTEES

Guarantees supports both the disruptive suppliers of solutions and the investors in such initiatives as cover the risk in case it is not possible for the borrower to repay the debt at the end of a certain loan agreement.

There are three main forms of guarantees:

- *Personnel*: Personnel assets are included for repaying debts not legally protected from creditors.
- *Collateral*: A particular assets pledged for securing the debt.

The *Lien* is the legal mechanism for a creditor to hold the collateral in case it is not possible to pay a debt.

At EU level, the most relevant references that can be listed in this assessment are the ones managed by EIF through financial intermediaries. These mechanisms are the following:

- COSME – Loan Guarantee Facility.
- EaSI Guarantee.

- InnovFin SME Guarantee Facility.

4.3. DEBT

Debt refers to an acquired liability with another party that shall be returned according to an agreed calendar and with a certain cost associated. Main financing alternatives that can be listed here are the following:

- *Loans* – Short- and long-term funds that provide liquid assets to the company directly related with the financial structure and potentially linked to guarantees.
- *Bonds* – Financing alternative that allows the attraction on capital with a long-term basis.

This kind of support can be articulated from both the public and private sector:

- *Public funding* – There are also debt alternatives from public authorities through public banks at different levels. These alternatives play a key role on providing support for materialisation of public policies. At European level, it is possible to list the following entities:
 - o EIB – Focused on large scale loans for the public and private sector to deploy solutions in accordance to EU taxonomy for sustainable activities. EIB manages also the activities of InnovFin, that are also relevant to mention as it channels support for private funding facilitators in line with the EIF that will be described in upcoming sections.
 - o European Bank for Reconstruction and Development (EBRD) – Oriented to supporting economies and promoting private and entrepreneurial initiatives.
- *Private funding* – Conventional funding opportunities from the banking community.

4.4. GRANTS AND SUBSIDIES

Grants and subsidies can be understood as -in principle- non-reimbursable support from governments (the grantor bodies) to specific institutions according to a specific objective:

- Grants respond to direct support to actions in line with policy objectives of EU.
- Subsidies responds to the intention of influencing the market.

Intensity of funding received can vary depending on:

- Typology of project.
- Typology of beneficiary (the entity or group of entities receiving a grant).
- Thematic priority.
- Size of the investment or the proposed action.

- The associated risk to the proposed actions.
- Compliance with the requested actions by the grantor body.

The main European funding opportunities that can be listed for this assessment are the following:

- **CEF** (Connecting Europe Facility) Digital, Telecom and Transport.
- **COSME** (Competitiveness of enterprises and Small and Medium-sized Enterprises).
- **Digital Europe Programme**.
- **EIC Accelerator** (previously SME Instrument).
- **EuroStars** and other programmes managed by Eureka.
- **European Structural and Investment Funds** (ESIF).
- **European Urban Initiative** (EUI).
- **Horizon Europe** – Innovation Actions under Cluster 5 (specific destinations under the work programme).
- **Interreg Europe** and other cross-border cooperation programmes.
- **JPI Urban Europe**.
- **LIFE** Programme (EUs financial instrument supporting environmental and nature conservation projects).
- **NextGenerationEU** funds.

4.5. PRE-COMMERCIAL PROCUREMENT (PCP)

Pre-commercial procurement (PCP) is an approach to public procurement of research and development (R&D) services. It is an important tool to stimulate innovation as it enables the public sector to steer the development of new solutions directly towards its needs.

In PCP, public procurers buy R&D from several competing suppliers in parallel to compare alternative solution approaches and identify the best value for money solutions that the market can deliver to address their needs. R&D is split into phases (solution design, prototyping, original development and validation/testing of a limited set of first products) with the number of competing R&D providers being reduced after each R&D phase.

PCP can go up to the development and the purchase of a limited volume of first products or services, but excludes quantity production and large scale commercialisation.

Information retrieved from official EC sources (European Commission, 2021).

4.6. PUBLIC PROCUREMENT OF INNOVATIVE SOLUTIONS (PPI)

Innovation procurement can refer to:

- Buying the innovation process (RDI services) and part of the outcomes.

- Buying the outcomes of innovation.

It is a market driven demand where public buyers act as early adopter and promotes business and researchers to develop the innovative products/services/processes that meet the need.

It is also interesting for public buyers as it enables similar or even better results at optimised costs from currently available solutions.

Information retrieved from official EC sources (European Commission, 2021)

4.7. ALTERNATIVE FINANCING SOLUTIONS

The alternative finance ecosystem can be used by any person or organisation to explore the funding landscape. The needs of those seeking financing are always the starting point. This ecosystem aims to better define what types of financing are suitable options. There are two main starting points to orient these that do not acknowledge the landscape of alternative financing solutions:

- Funding may come from: institutions, crowds and communities.
- There are different financing models to organise the investments: donating, reward seeking, investing and lending.

The following tables summarise the main aspects of these starting points:

Table 4: Origin of the sources in the alternative financing landscape.

Financing sources	Description
1 Community funding (E)	Investors know each other directly or indirectly, are engaged and share a common goal or place
2 Crowdfunding (F)	Small amounts of money are raised from large amounts of people to fund something.
3 Institutional funding (G)	Investors invest indirectly through institutions, seeking profit and/or impact.

Table 5: How the investments can be organised in the alternative finance landscape.

Financing models	Description
Donating	Giving money for a cause and/or to serve a societal purpose.
Reward seeking	Giving money for a potential future (non-financial) reward.
Investing	Acquiring shares, potentially achieving future profit through ownership.
Lending	Allowing for the temporal use of a sum of money, usually with interest.

The elements listed above can be combined depending on the objective of investors or entities looking for funds.

5. MAPPING THE INNOVATION ECOSYSTEM FOR TRANSPORT AND MOBILITY SOLUTIONS

5.1. PROJECT ANALYSIS

The goal of this section is to identify the main organisations participating to the EU funded projects analysed that could have an interest and a correlation with the ENTRANCE goal. The methodology described above led to the selection of **556 projects** on a total of more than 2500 projects analysed.

5.1.1. Top funding schemes

Most of the identified projects have been selected from the CEF programme (327)³ and from the H2020 programme's Innovation Action (109). For each selected programme and for the several starting years of the selected projects, the sum of funded received and the number of specific selected projects are highlighted in the two figures below.

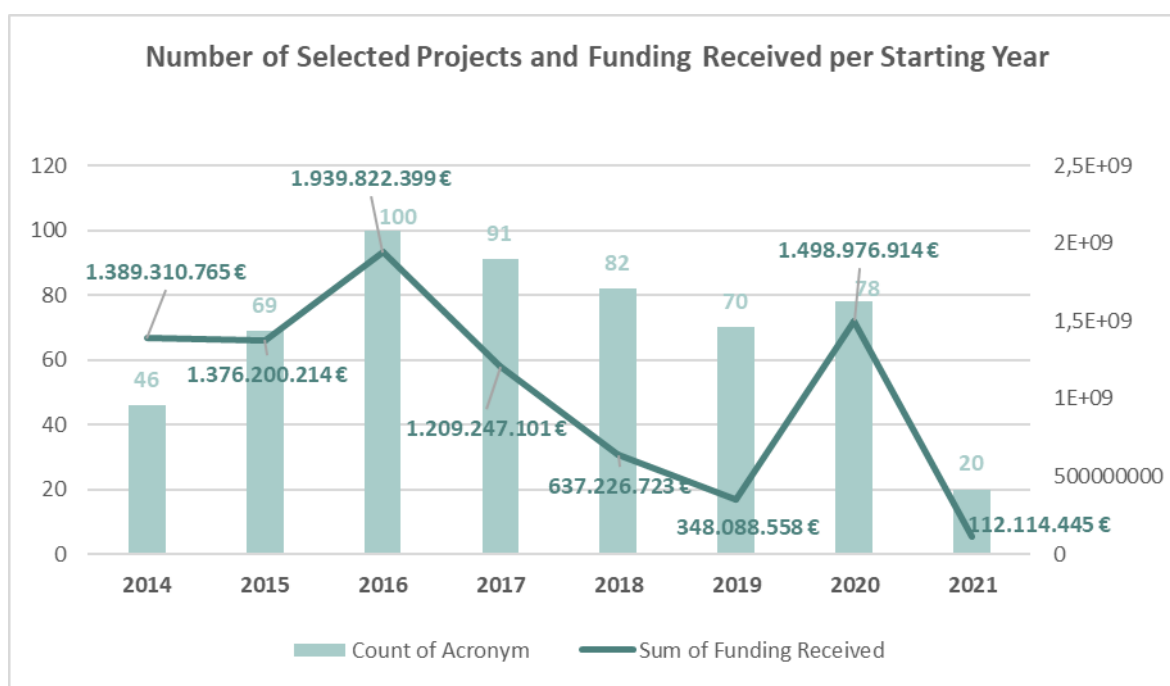


Figure 5: Number of selected projects and funding received per starting year.

³ It is important to remark here that the CEF programme is way larger than others as it deals with infrastructures. However, even the figures may overshadow other programmes, these smaller programmes have also been considered for this assessment (inc. European Innovation Council opportunities).

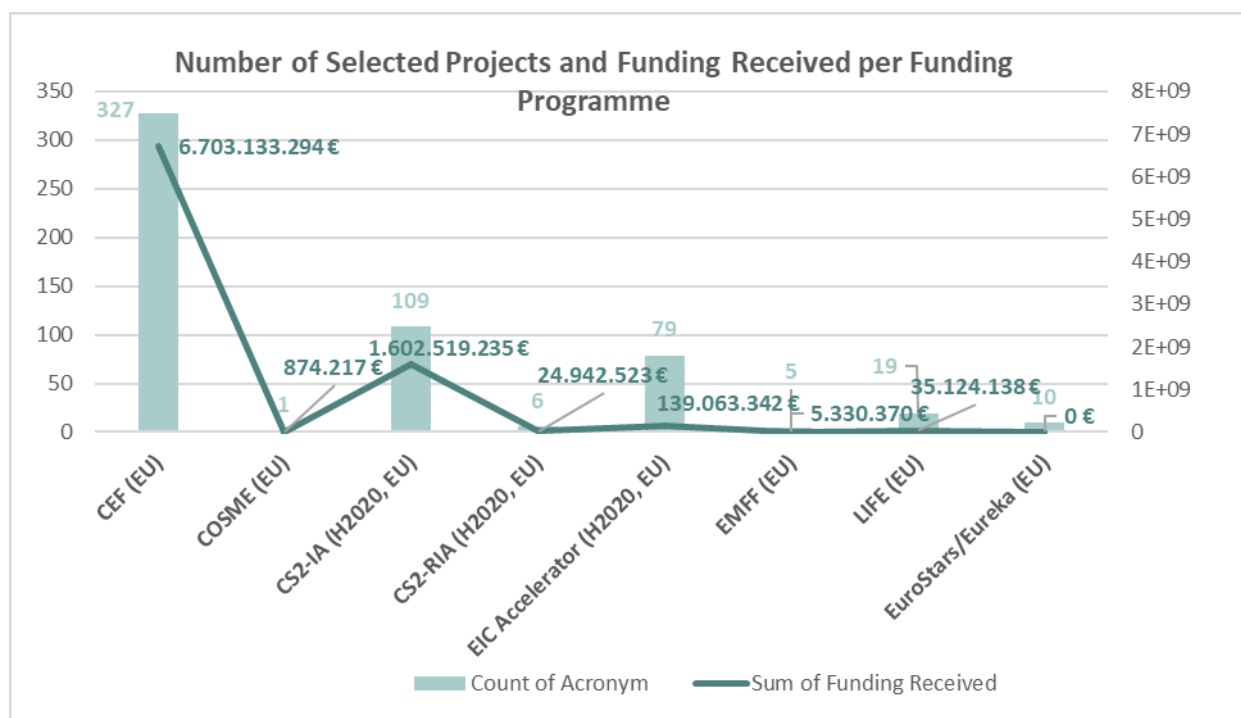


Figure 6: Number of selected projects and funding received per funding programme.

5.1.2. Stakeholders mapping

From the 556 selected projects, **1508 different organizations** belong to the three categories of “Supply, Demand and Finance” and could be interested in the ENTRANCE platform. The prevalence of these organisations are large companies with 541, followed by SMEs with 401, universities with 132 and public bodies with 127. Besides the type, these organisations have been analysed by country of origin and the most represented is **Spain with 224 organisations**, followed by Germany with 177, Italy with 175 and France with 171. The following figure summarises the organisation count for both type and country levels:

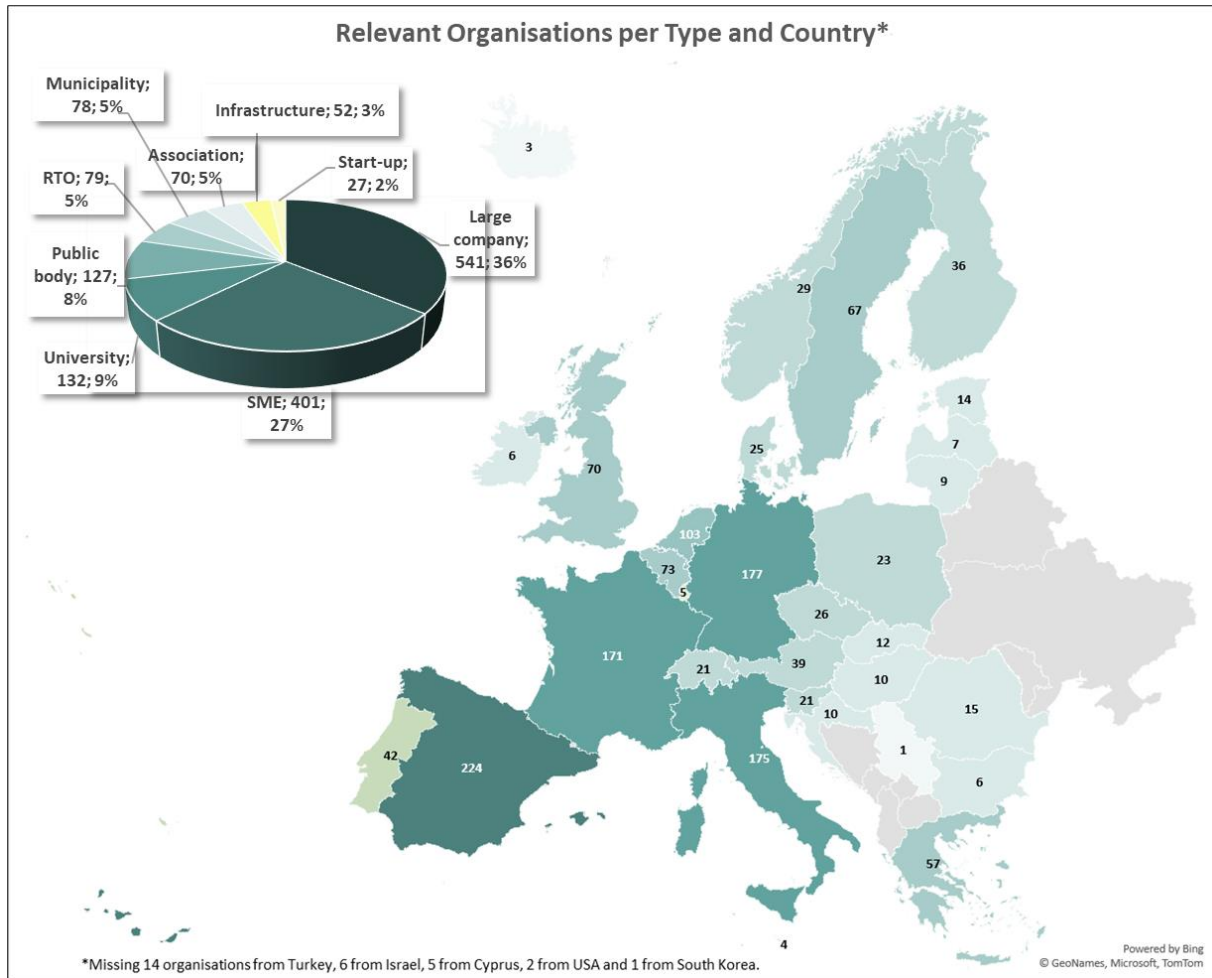


Figure 7: Relevant organisations per type and country of origin.

Regarding the organisations with more participations, the figure below shows, on the one hand, the companies and, on the other, all the non-profit organisations (RTOs, Universities, Public Bodies) that have 10 or more participations. The **German Aerospace Agency (DLR) is the most active with 18 selected projects**, followed by the Italian car manufacturer FCA SpA (now STELLANTIS Group) with 17 and Swedish Transport Administration with 16.

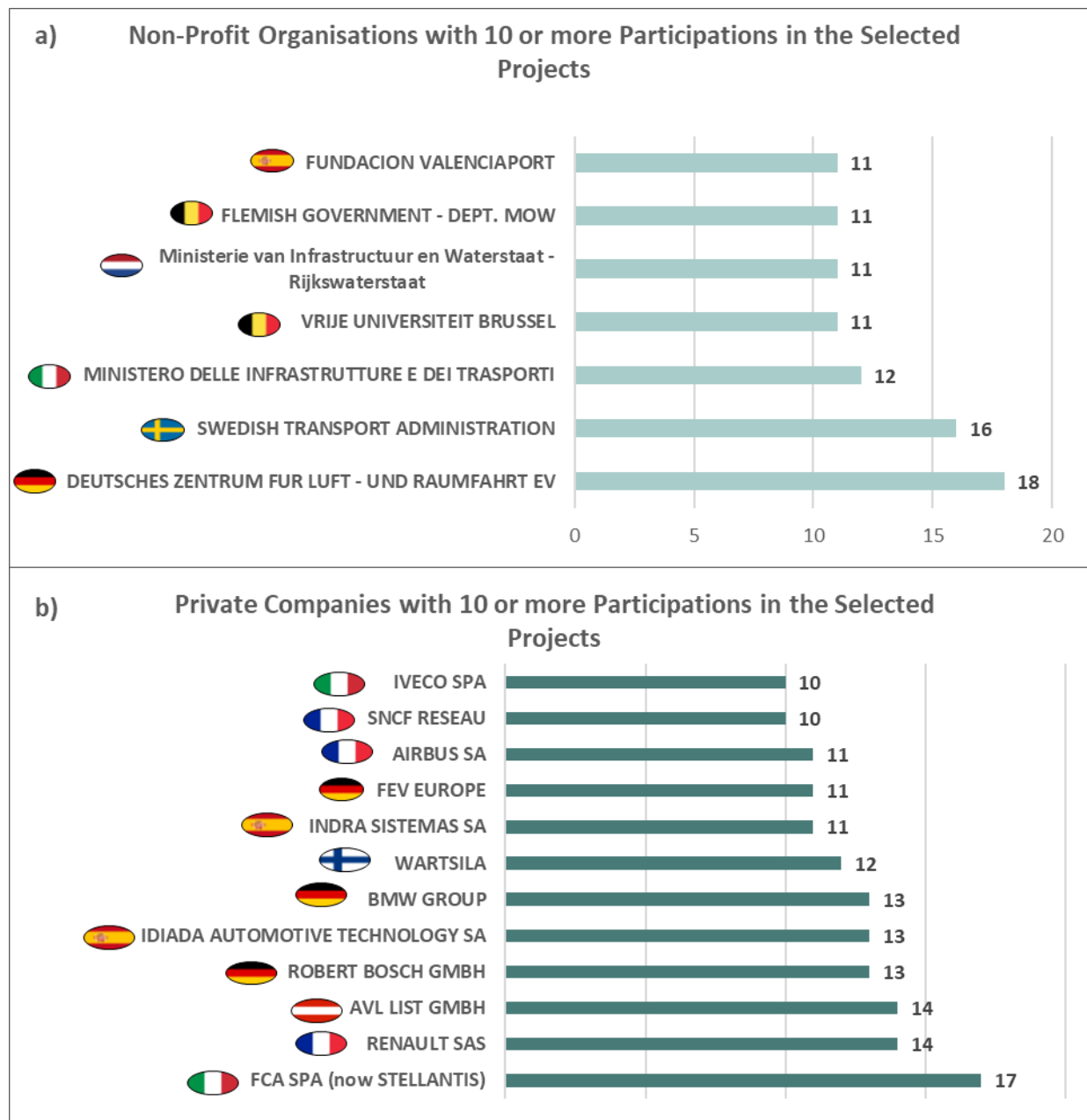


Figure 8: a) Non-profit organisations with more participations in the selected projects. b) Private companies with more participations in the selected projects.

5.2. PATENT ANALYSIS

Regarding the patent analysis, the query launched in Wheesbee (tool property of PNO group, see description in Annex 4) generated 2929 total patents and the methodology described above led us to select **163 patents**. Before analysing more in-depth the selected patents, an overview is shown on all resulted patents by the query launched in Wheesbee highlighting the trends in time (publication years) and the main CPC categories emerged. As for the years of publication, 2018 and 2019 present a significant increase compared to the other years of the considered period, both having more than 500 published patents.

Regarding the CPCs, on the other hand, the majority includes patents relating to technologies for lowering the environmental impact in the transport sector, followed by the category of "Vehicles in general" with respectively 26% and 25% of all patents resulting from the query launched on Wheesbee. The figure below shows both the analyses carried out.

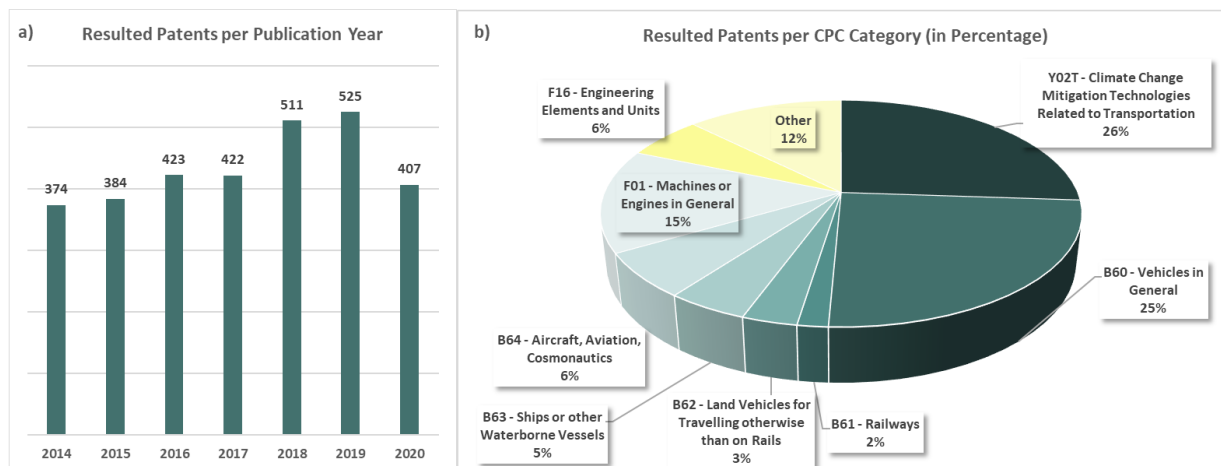


Figure 9: a) Number of resulted patents per publication year. b) Percentage of resulted patents by CPC categories.

Also the selected patents have been analysed by the CPC categories and the percentages substantially reflect those seen for all the resulting patents, with the patents relating to technologies aimed at lowering the environmental impact which are 28% and those which speak of vehicles in general 25%.

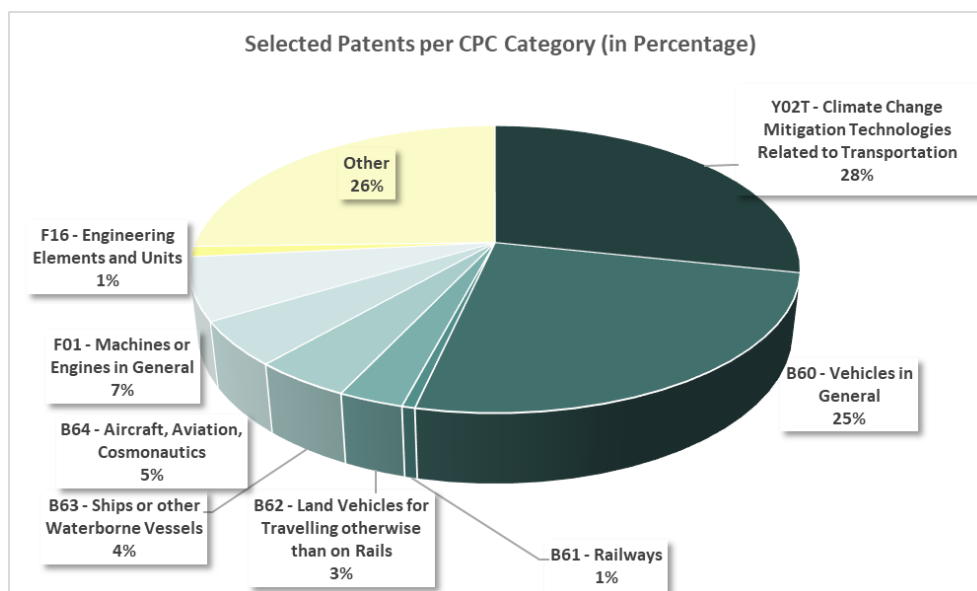


Figure 10: Selected patents per CPC categories (%).

The 163 selected patents have 136 different applicants, most of all are large companies (80) and SMEs (38). Furthermore, as done for the projects analysis, the applicants have been analysed also based on their country and the most represented country is Germany with 40 selected applicants, followed by France with 24. The figure below shows the results for both categories just mentioned.

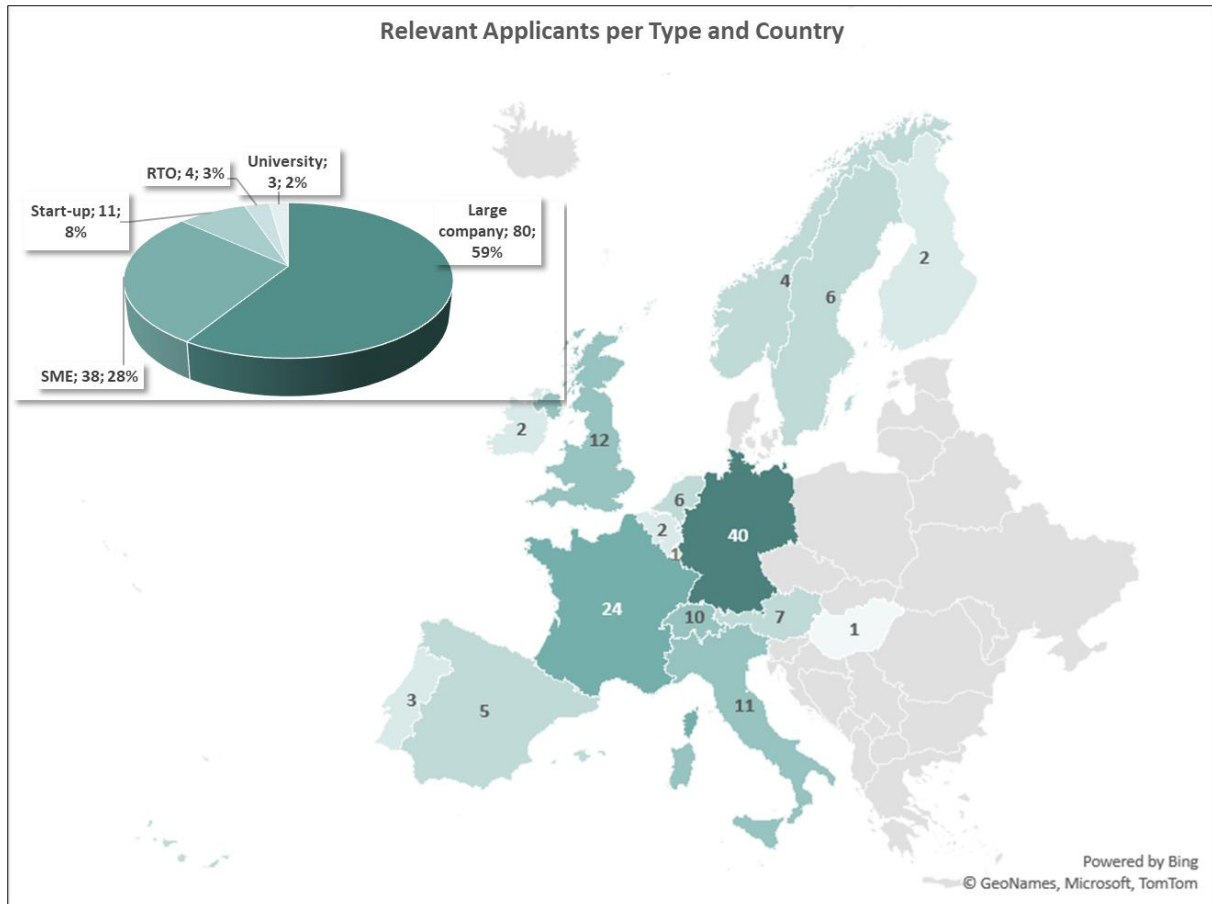


Figure 11: Relevant applicants per organisation type and country of origin.

The companies which have more patents under the list selected are **BMW, Scania and Siemens AG with 4 selected patents** each. **All the companies listed below are working in the road transport domain, identified by B60 (Vehicles in general) CPC category, except Airbus Helicopters which has patented in Aircraft and Aviation (B64 CPC category) domain.**

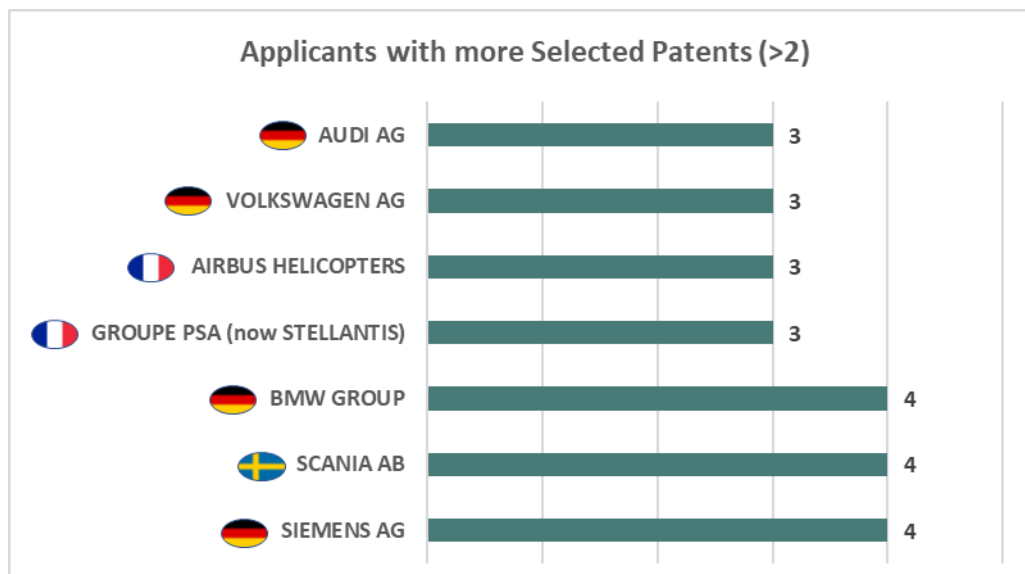


Figure 12: Applicants with more selected patents.

5.3. DESKTOP SEARCH DERIVED ORGANISATIONS ANALYSIS

The last step of searching organisations to put in the ENTRANCE platform has been the **desktop search** and the sources listed in section 3.4.1, led to the selection of **309 organisations**. Before showing the results relating to the type and country of origin of the organisations identified as already done for the projects and patents analyses, the table below shows the number of organisations selected for each website consulted. (*N.B. some selected organizations have appeared in multiple sources mentioned*)

Table 6: Number of organisations selected per website considered for the desktop search.

Number of Organisations per Source Analysed			
Seal of Excellence - Access2EIC	56	EIT Climate-KIC Start-ups	6
Euroquity - Companies	52	EIT Digital Accelerator	2
Euroquity - Investors	85	EU-Startups Database	50
InvestHorizon	16	Horizon Results Platform	36
EIT Urban Mobility Accelerator	20	Innovation Radar	74
EIT InnoEnergy Start-ups Portfolio	17		

Most of the organisations selected from the various websites considered are **SMEs (130) and start-ups (98)**, and most of them **(54) came from France**, followed by Germany and Spain with 41 and 36 respectively. The results of both categories are shown in the figure below.

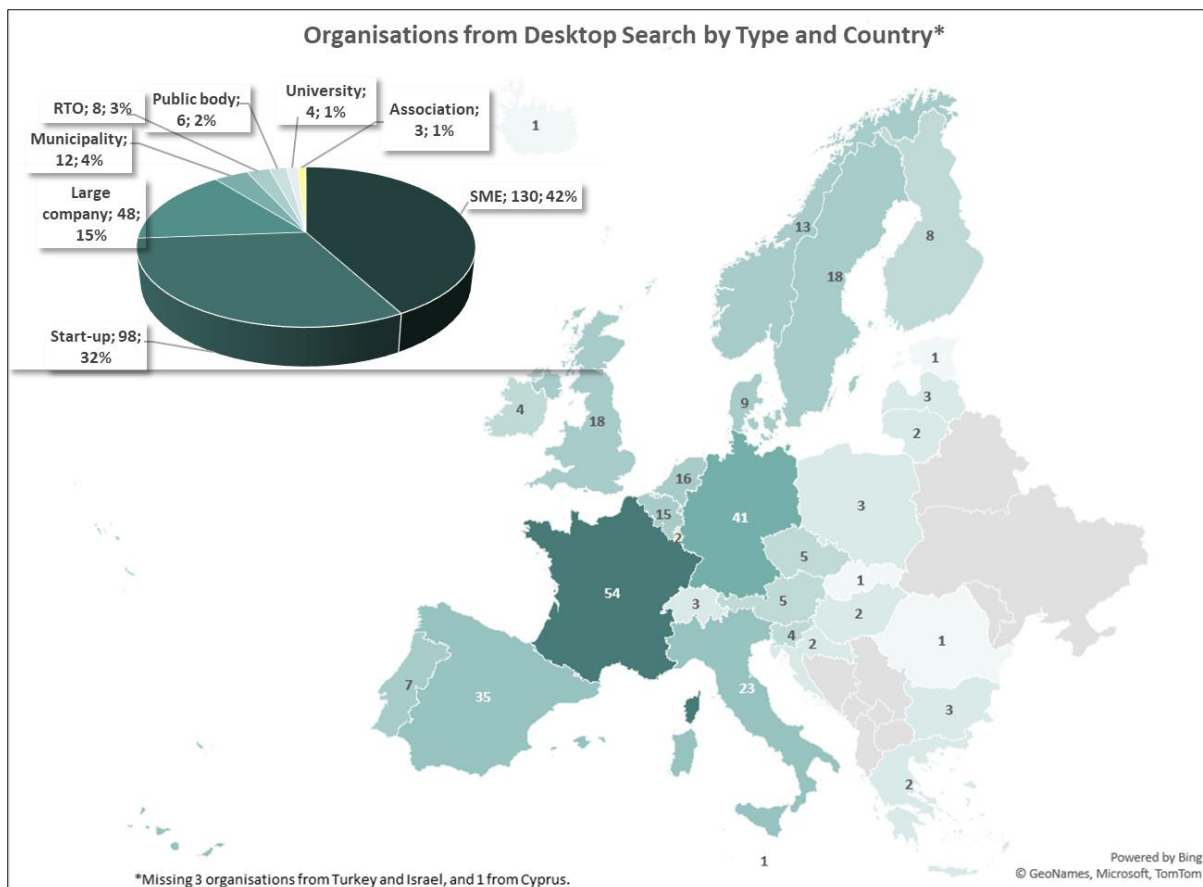


Figure 13: Organisations from desktop search by type.

5.4. MATCHING IDENTIFIED STAKEHOLDERS WITH ENTRANCE PLATFORM'S PROFILES

After having analysed the organisations resulted from project, patent and desktop analysis based mainly on the type, country of origin and most active selected organisations, these have been divided in the three categories provided by ENTRANCE: Supply, Demand and Finance.

Even for these three categories, the organisations have been analysed by type and country of origin, but here the accent is also on the technologies provided/interested and on the modes of transport.

5.4.1. SUPPLY: Mapping of the identified stakeholders

A total of **945 organisations** can be considered under the SUPPLY category as “providers” of technologies aiming to the reduction of emissions in the transportation sector. Among these 945 organisations, **407 are SMEs**, while there are 187 large companies, 136 universities, 131 start-ups and 84 RTOs. Most of the organisations belonging to the “Supply” category are from **Spain with 146**, followed by Germany with 130, France with 114 and Italy with 105. The figure below summarises the results of both categories.

Finally, the mode of transport in which there are more suppliers is **road transport with 648 providers**, followed by waterborne with 124, air with 119, rail with 117, multiple with 82 and modality with 9.

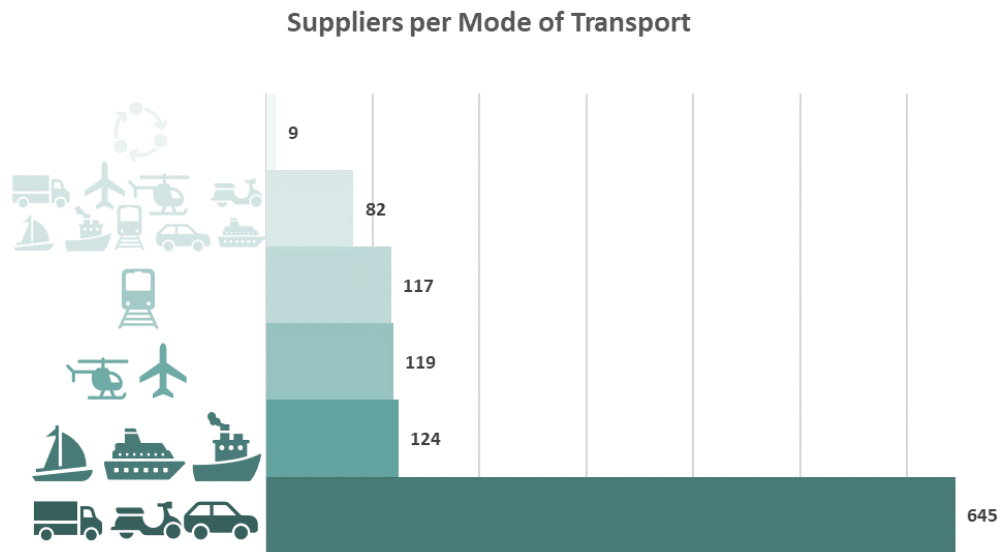


Figure 16: Number of suppliers per mode of transport.

Once the numbers relating to the "supply" area were shown, the main suppliers were collected in a single figure and divided by mode of transport. *The top suppliers were chosen on the basis of a ranking* carried out which then established their position in the various Market and Innovation Positioning Maps shown in section 6 of this document. In addition to this ranking, *the number of participations in the selected projects, the number of patents selected and the number of times they appeared in the desktop analysis* were also considered, giving priority to private companies. The figure containing the top suppliers is shown below.

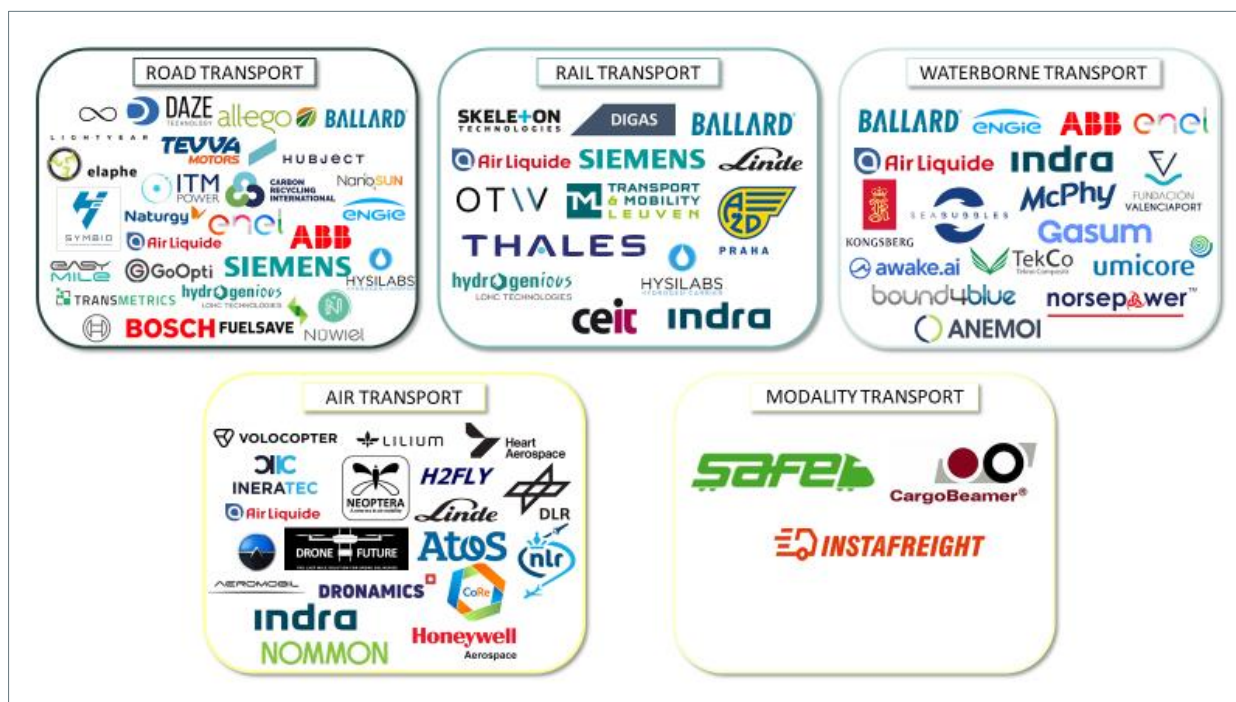


Figure 17: Top suppliers per mode of transport.

5.4.2. DEMAND: Mapping of the identified stakeholders

The analysis has also been carried out for the DEMAND category, identifying potential “buyers” of the technologies. **1023 organisations** can be considered under this category. Most of them are **large companies (448)** followed by SMEs (143), public bodies (129) and municipalities (86). Regarding the countries most represented, **most of the “potential buyers” came from Spain (154)**, Italy (123), Germany and France (114). The figure below summarises the results of the two categories just mentioned.

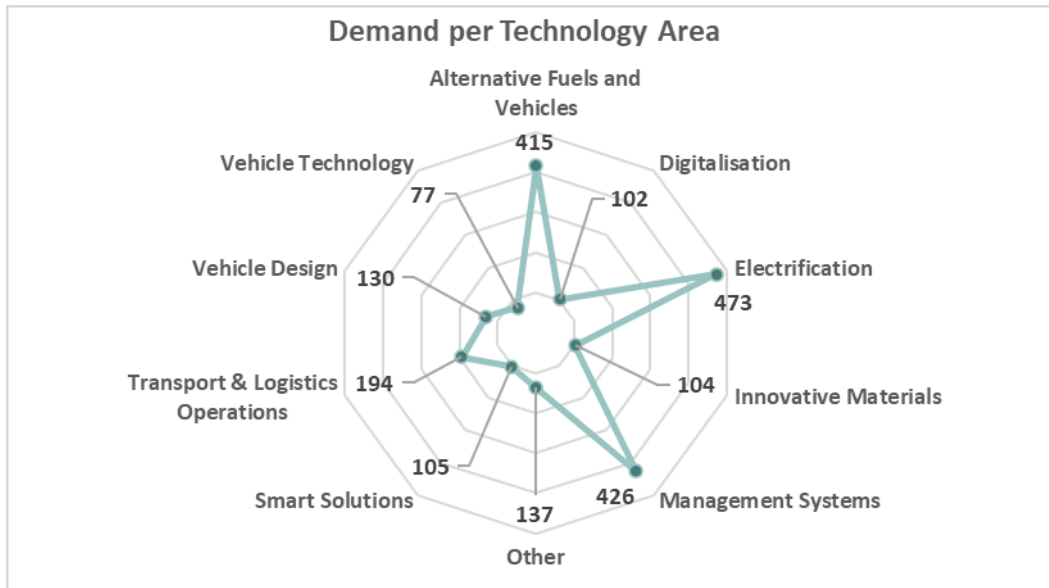


Figure 19: "Buyers" per technology area.

The mode of transport in which the selected potential buyers are more active is **road transport with 483 organisations** followed by waterborne transport with 241, rail with 198, air with 110, multiple with 76 and modality with 48.

Potential Buyers per Mode of Transport

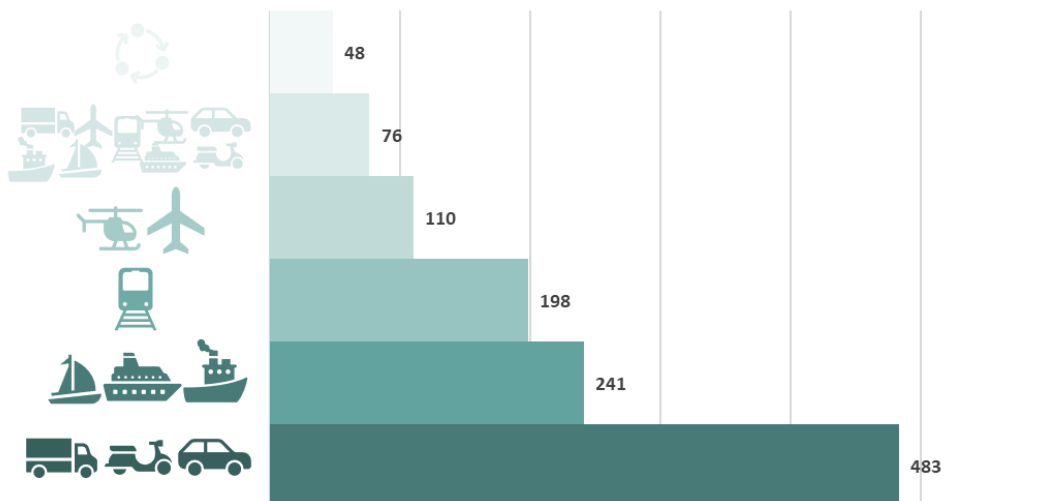


Figure 20: Potential buyers per mode of transport.

As done for the suppliers, also for the "demand" category the top buyers were put together in a single figure and divided by mode of transport. The selection criteria are the same as those adopted for the "supply" category. The figure in question is shown below.

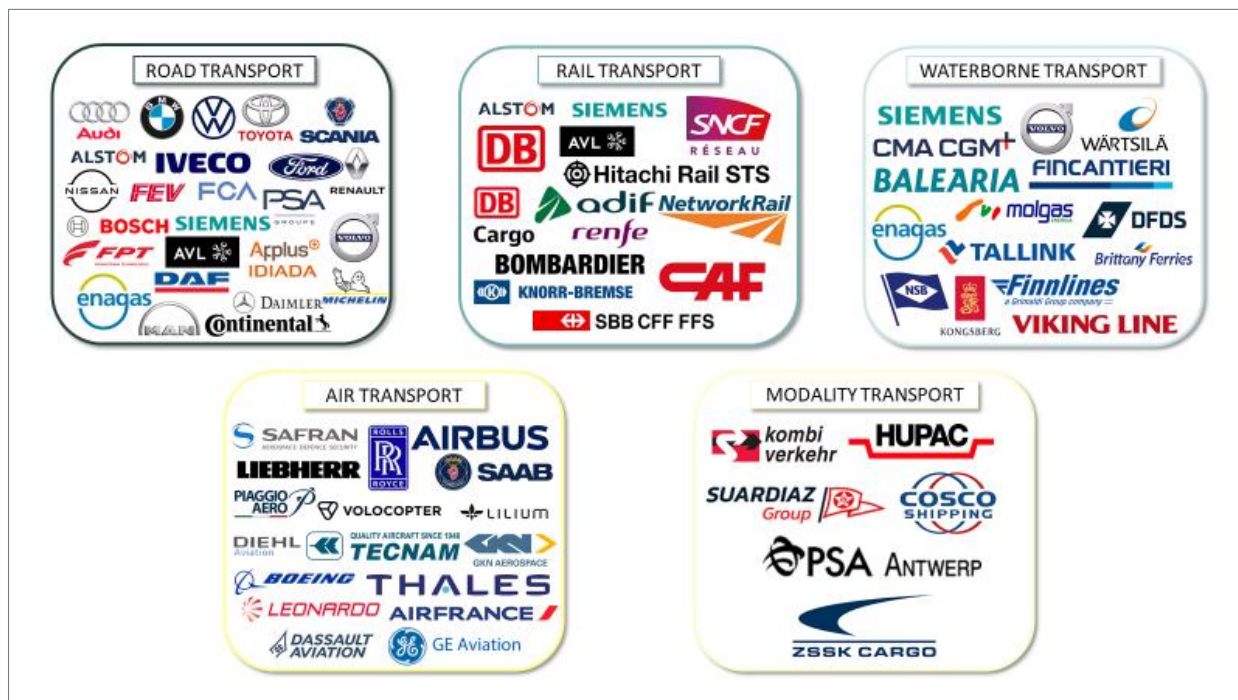


Figure 21: Top buyers per mode of transport.

5.4.3. FINANCE: Mapping of the identified investors

Regarding the “**Finance**” category, a total of **224 investors** have been selected. In this category the focus was on the typology (private, public or hybrid) of the selected investors and on the type of beneficiaries they address. Indeed, most of the identified investors are **large companies with corporate ventures (58)** and **venture capital and business angels (53)**. Furthermore, as done previously, the countries of origin of the selected investors have been analysed and most of them are from **France (41)**, followed by Germany with 28 and Belgium with 20. The figure below shows all the results about the type and country of origin of the selected investors.

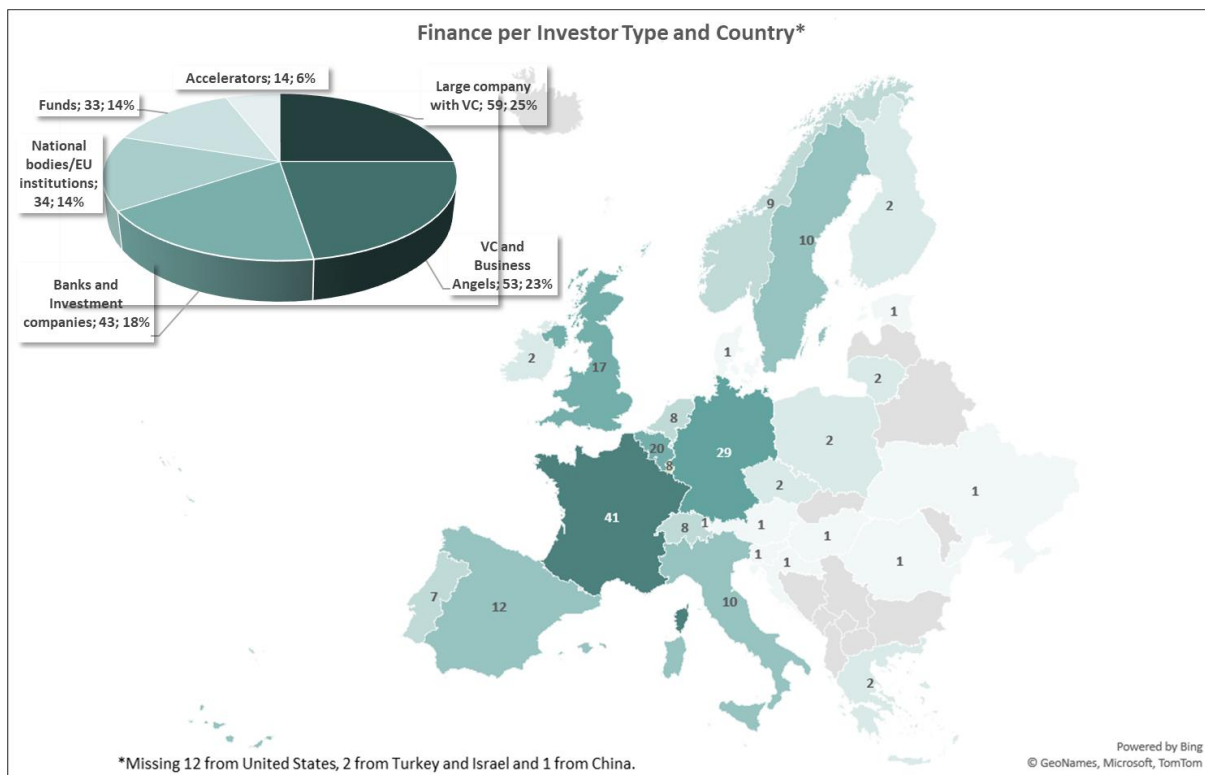


Figure 22: Typology and country of origin of the organisation belonging to the "finance" category.

Finally, the selected investors have been analysed based on the beneficiaries they address and **almost all of them invest in start-ups (203)**. Then, 116 of the selected investors finance small-cap companies, 106 mid-cap companies and 44 finance mixed and consortia.

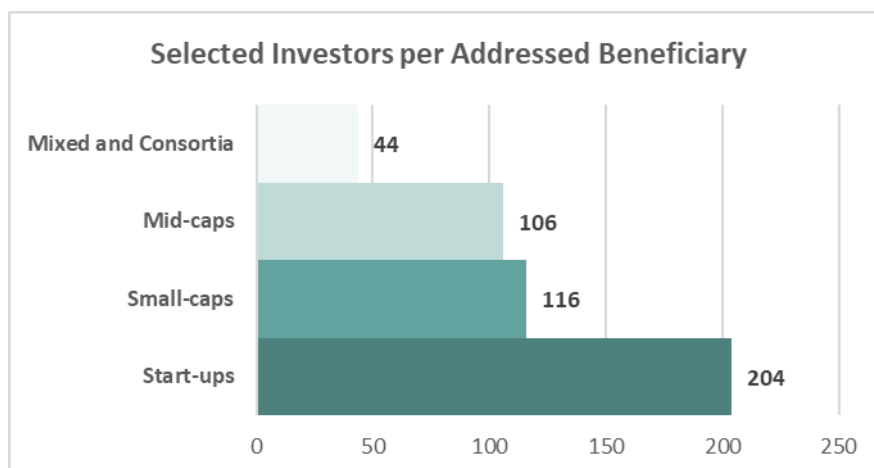


Figure 23: Selected investors per type of addressed beneficiaries.

A list of top investors can be seen in section 3 of this document, in *Figure 3*. The investors in the figure in question have been represented by type and their choice is purely representative, as their selection process was different from the suppliers and buyers as explained above and therefore it was not possible to rank them.

5.5. MAPPING THE COMBINED ECOSYSTEM BY NETWORKS AND PARTNERSHIPS

The methodology that guided the stakeholders identification and their inclusion in the three categories of interest (supply, demand and finance) also contributed to map the main European networks and partnerships that can facilitate the matchmaking between supply, demand and finance in the transport and mobility sector. To pursue this objective, however, attention has been focused on the various initiatives in the transport and mobility field carried out both by funded projects and European Commission. In this section, moreover, an ad hoc search of associations, networks and councils has been carried out. These entities can act as an intermediary for their members in the adoption of financing methods, from public procurement to the typical Series A fundings. (*Some of the actors present in this section will not be present in the Annexes as only the members who have shown interest in the technologies in question have been extracted there*).

This section emphasizes on public demand, which, as described previously, often decides to finance the development and adoption of those solutions that meet their needs. For this reason, it was decided to represent an ecosystem that would include: the main networks and / or partnerships representing the public buyers most interested in sustainable solutions in the transport sector and those who can actually develop solutions of interest to them; partnerships at European level capable of bringing together supply and public demand; networks of investors and tools / platforms of public procurement. Below, each section of this mapping is explained in the detail.

- **Buyers networks** – networks, partnerships or associations representing the main public or public/private buyers (cities and public bodies) interested in solutions for making transport and mobility more sustainable.
- **Solution providers networks** – networks, partnerships or associations representing providers of solutions which may be of interest to the various challenges facing cities and local governments.
- **Investors networks** – networks of investors which facilitate the fundings for high-tech companies.
- **Innovation procurement** – this section identifies the various initiatives aiming to improve the public procurement of innovative solutions at European level.
- **Horizon Europe Partnerships** – European partnerships bringing the European Commission and private and/or public partners together to address some of Europe's most pressing challenges through concerted research and innovation initiatives in transport and mobility sector. By bringing private and public partners together, European Partnerships help to avoid the duplication of investments and contribute to reducing the fragmentation of the research and innovation landscape in the EU. They are a key implementation tool of Horizon Europe. (European Commission definition)
- **EU Projects** – list of European funded projects with which ENTRANCE could undertake initiatives because they are interesting under two aspects: they are still active projects that have and / or will have tested and implemented sustainable solutions in pilot cities; they are projects focused on

public procurement as a method (or one of the methods) of financing for the development of solutions of interest to public entities.

For each section identified, the analysis conducted led to the identification of the following entities.

- ❖ **Buyers networks:** *Big Buyers Initiative* (it derives from a EU funded project); *ICLEI*; *Covenant of Mayors*; *CIVITAS Network*; *Intelligent Cities Challenge* (it also conducts public procurement initiatives); *Electric Vehicles Initiative*; *Shared Mobility Principles for Livable Cities*; *ERRIN*; *CLEPA*; *ENERGY CITIES*; *Transport Community*; *EuroPlatforms*; *Transformative Urban Mobility Initiative (TUMI)*; *The Association of European Vehicle Logistics*; *Urban-Air-Mobility Initiative Cities Community (UIC2)*; *C40 Cities*; *EUROCITIES*; *POLIS Network*; *EPOMM*.
- ❖ **Solution providers networks:** *Enterprise Europe Network*; *EIC Business Acceleration Services*; *European Cyclists' Federation (ECF)*.
- ❖ **Both buyers and solution providers networks:** *Waterborne*; *EGVIAfor2ZERO*; *Smart Cities Marketplace Initiatives* (*Intelligent Mobility for Energy Transition*; *New Mobility Services*; *Electric Vehicles for Smart Cities and Communities*; *Urban Air Mobility*); *ERRAC* (the European Rail Research Advisory Council); *ERTRAC* (European Road Transport Research Advisory Council); *UIC* (International Union of Railways); *EIT Urban Mobility*; *ERTICO*; *ALICE*; *Smart Freight Centre*; *Urban Europe*; *UITP* (International Association of Public Transport); *EICB* (Expertise- en InnovatieCentrum Binnenvaart).
- ❖ **Investors networks:** *European Investment Bank*; *Drive Sustainability*; *Invest Europe*; *Invest Horizon*; *Smart City Infrastructure Fund*; *Eureka Network*; *European Investment Advisory Hub*; *Business Angels Europe*; *EBAN* (European Business Angels Network).
- ❖ **HEU partnerships:** *Clean Aviation*; *CCAM* (Connected, Cooperative and Automated Mobility); *Clean Hydrogen*; *Driving Urban Transition*; *Batteries*; *Zero-Emission Waterborne Transport*; *Integrated Air Traffic Management*; *Transforming Europe's Rail System*; *2ZERO*; *KDT JU* (Key Digital Technologies Joint Undertaking).
- ❖ **EU projects:** *AI4CITIES*; *RECIPROCITY*; *CIVITAS FastTrack*; *CIVITAS ELEVATE*; *FENIX*; *ASSURED-UAM*; *ECHARGHE4DRIVERS*; *LASTING*; *PLATINA 3*; *FUTURE-HORIZON*; *BOOSTLOG*. EU-funded projects addressing also public procurement initiatives: *U-MOB Life*; *LNG Hive2*; *JIVE 2*; *C-ROADS*; *EALING*; *SOLUTIONSplus*; *SHOW*.

This combined ecosystem is shown in the figure below.



Figure 24: Public procurement ecosystem mapping.

6. IDENTIFICATION OF KEY PLAYERS FOR THE ENTRANCE PLATFORM

6.1. ENTRANCE POSITIONING MAPS

The identification of some of the most relevant organisations resulting from the analysis carried out and summarised in the previous section, has been illustrated by using PNO's *Market and Innovation Positioning Maps* © whose general concept is described above. They are organised per mode of transport and represented according to the ENTRANCE taxonomy (Table 2), except than for *Modality*, for which a single MIPM was built.

Following the general description in Section 3, for each technology and mode of transport the results have been extracted and displayed in the related maps, where the following criteria have contributed to rank the organisations and position them therefore:

- More selected interesting project participations
- More selected related published patents
- More presences in the databases consulted for the desktop search
- Presence in all or two of the three (projects, patents, desktop) analyses carried out
- Priority to SMEs and Start-ups if they don't meet the above criteria.
- Higher TRLs and readiness

The resulting MIPM are displayed below. It should be noted that despite the detail, the classifications are very broad and in principle dynamic since positions can change in time. This reflects into the variety of companies found on the same map. In principle, more specific maps can be built effectively to scout specific sectors.

HOW TO READ THE MAPS?

- the more an organisation is on the right the more it respects the above criteria and is innovation oriented for the specific observed ENTRANCE technology.
- The right quadrants are thus more related to suppliers, with the lower part including innovators with lower financing capacity
- The left quadrants relate to interested buyers (up) or companies moving towards the market or part of niche experts crowd (down)
- Maps more crowded on the right represent more mature technology segments

6.2. ELECTRIFICATION

There is a large number of organisations contributing to the development, improvement and adoption of electric vehicles or other electrification technologies to reduce and mitigate emissions in the transportation sector.

The maps below show that for each mode of transport there are some companies that are ahead of others from an innovative point of view. This means that there are companies specialised per each transport mode that are driving innovation.

In the **road transport** segment, there are two SMEs having a higher innovation and affinity rate compared with other organisation present in the **Figure 25: Lightyear One** (a long range **solar electric vehicle**) and **Tevva Motors** (an **e-Trucks fleet**) can be indeed considered at the forefront in the electrification of road transport; besides these two, **Daze Technology Srl**, can be highlighted. They are an SME which produces and supplies **charging systems for electric cars** and which is very close to the right side of the map, having an excellent innovation and affinity rate.

The electrification of **rail transport** shows few interesting companies which are investing in or are developing innovative technologies. However, the map (**Figure 26**) shows a company which differs from the others by its position: **Skeleton Technologies**, an SME that develops **ultracapacitors** which have the potential to revolutionize the rail industry in terms of energy savings able to provide effective voltage stabilization for rail systems, greatly improves the performance of propulsion for light rail vehicles and significantly advances the locomotive engine starting technologies.

The electrification of **waterborne transport** shows such interesting companies which are investing in or are developing innovative technologies. Among the various big companies on the map (**Figure 27**) in the area of electricity production / supply / usage, to emerge is **SeaBubbles**, a French start-up which has developed a small, fast & very efficient **electric hydrofoil craft** that that can carry a driver & four passengers with a max speed of 30 km/h, while producing no emissions or noise.

Finally, the electrification of **air transport** sees several emerging companies in the right part of the map (**Figure 28**), which classifies them as the most innovative. Indeed, the map highlights **Lilium Aviation** and **Volocopter GmbH** as “incumbents”. The two companies can be considered the pioneers of the electrification of air transport, both promoting **air electric mobility as a regional taxi service with vertical take-off landing (VTOL)** and being both very young and becoming large enterprises in a short time thanks to the huge funding received and then the revenues earned. Similar companies that in the next future can fall into the right part of the map are *Heart Aerospace* and *Neoptera Aero*.

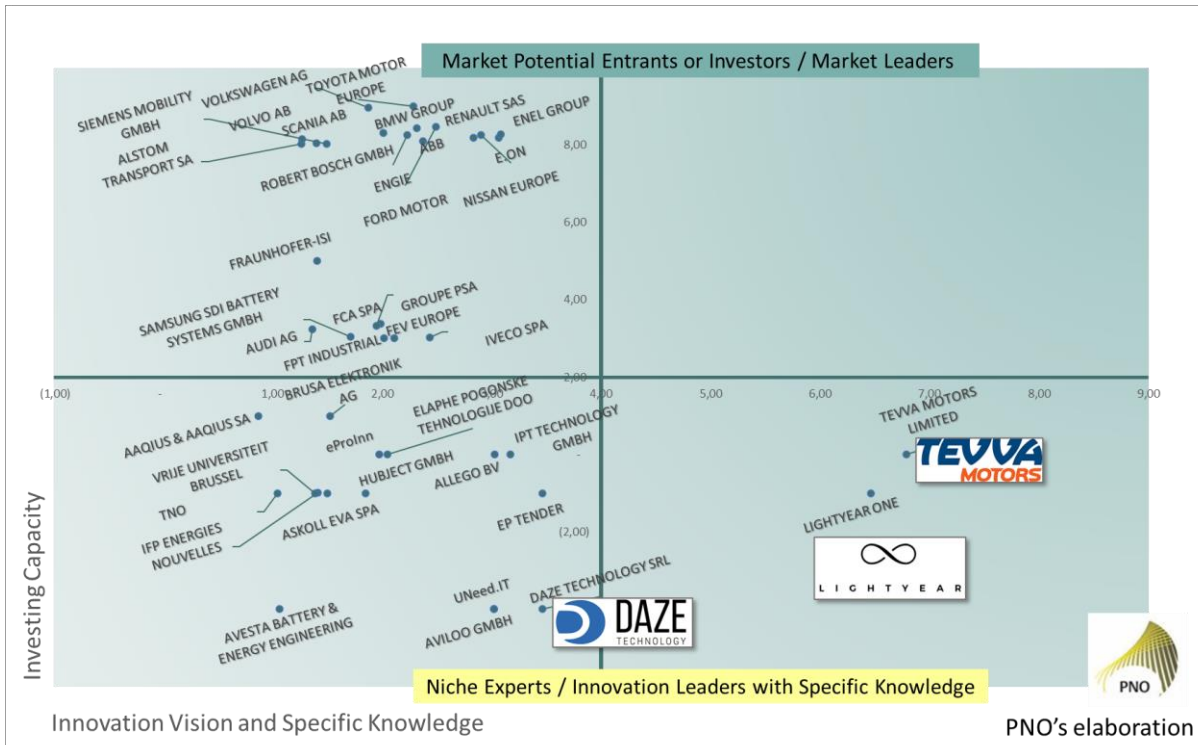


Figure 25: Main actors in the electrification of road transport.



Figure 26: Main actors in the electrification of rail transport.



Figure 27: Main actors in the electrification of waterborne transport.

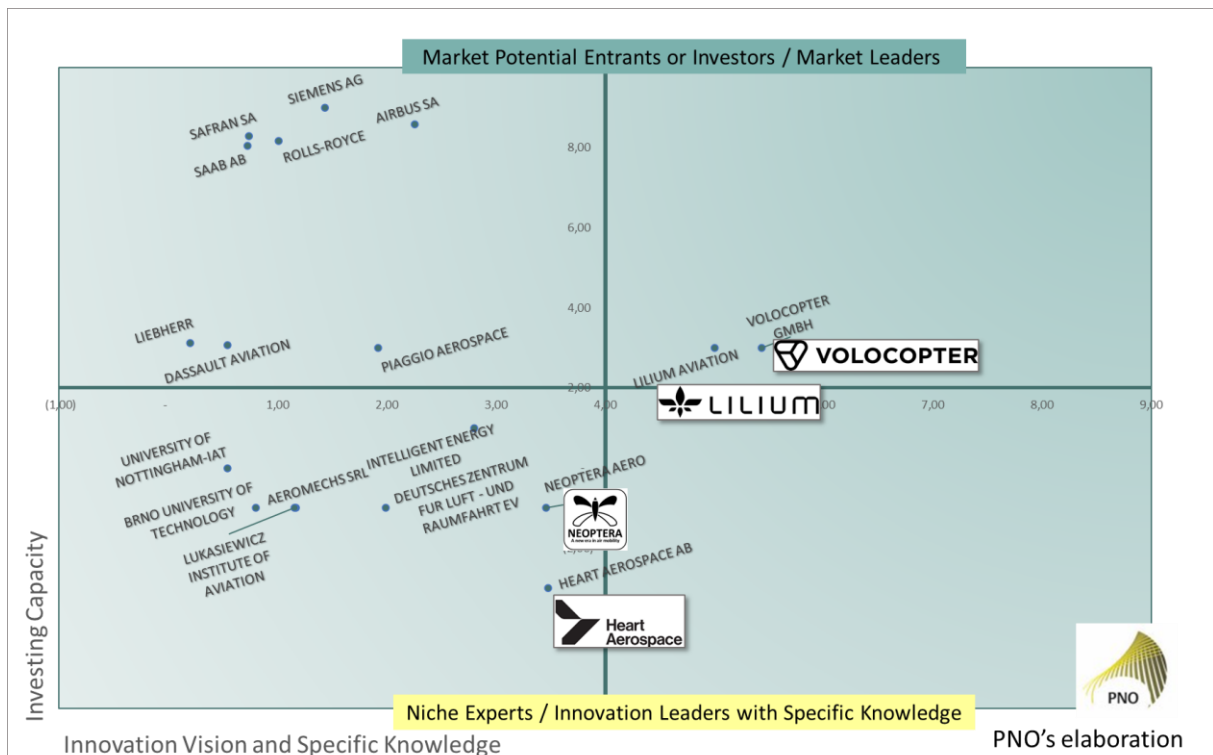


Figure 28: Main actors in the electrification of air transport.

6.3. ALTERNATIVE FUELS AND VEHICLES

In this specific category, there is a large number of potential buyers of innovative technologies in its upper-left part and a more moderate number of followers / potential providers at the bottom. Again, this reflects an opportunity as long as the ecosystem will not generate “movement” to the right of the map and thus towards the market.

As the maps in this section show, the majority of large companies versus those that should drive innovation is evidenced by the fact that the market appears to be "dominated" by the same company in at least three out of four sectors: **Ballard Power Systems Europe**, which is a leader in developing **fuel cell solutions** for different types of transport, is the most innovative company emerged in the maps related the **road, rail and waterborne transportation**.

The map related the **road transportation** (*Figure 29*) shows that, besides Ballard positioned in the right part, there are two SMEs and a start-up which are next to the line that divides the most innovative companies from the least ones: **ITM Power Plc**, which manufactures integrated **hydrogen energy solutions** to enhance the utilisation of renewable energy that would otherwise be wasted; **Carbon Recycling International** (CRI EHF), an Icelandic SME that produces **renewable methanol** for the road transport sector; **NanoSUN Limited**, a UK start-up which has re-invented the **hydrogen refuelling station** to accelerate the adoption of hydrogen in transport.

Regarding the **rail transport**, the map (*Figure 30*) shows few companies related to the development and adoption of this technology and only one located below the line that divides those with more investment capacity from those with less, which should instead be technology suppliers. This company is **Digas Group**, a Latvian SME which has developed and patented a **dual fuel system**, called NYSMART, that can be quickly and simply installed onto diesel engine converting it into dual fuel engine where environmentally friendly, clean and inexpensive methane fuel (Natural gas, Bio methane, Synthetic gas) is used to substitute polluting and expensive diesel fuel in locomotives.

The **waterborne transport**, instead, sees a high number of companies, but none that differs from the others according to its position on the map (*Figure 31*), unlike the aforementioned Ballard.

Finally, the **air transport** is the unique transport mode in which Ballard does not appear. The map (*Figure 32*) highlights on the right side **H2Fly GmbH**, a start-up founded by DLR, which is building and promoting hydrogen electric passenger air travel with its in-house **hydrogen electric powertrain**. In addition to H2Fly, two SMEs are located further to the right of the others and therefore considered more "innovative": **Ineratec GmbH**, which provides modular chemical plants for **Power-to-X and Gas-to-Liquid applications** and supplies sustainable fuels (e-kerosene, clean diesel, methanol, etc.) and products, and **AeroMobil SRO**, which is developing a **flying car with hybrid propulsion**.



Figure 29: Main actors in alternative fuels and vehicles for road transport.

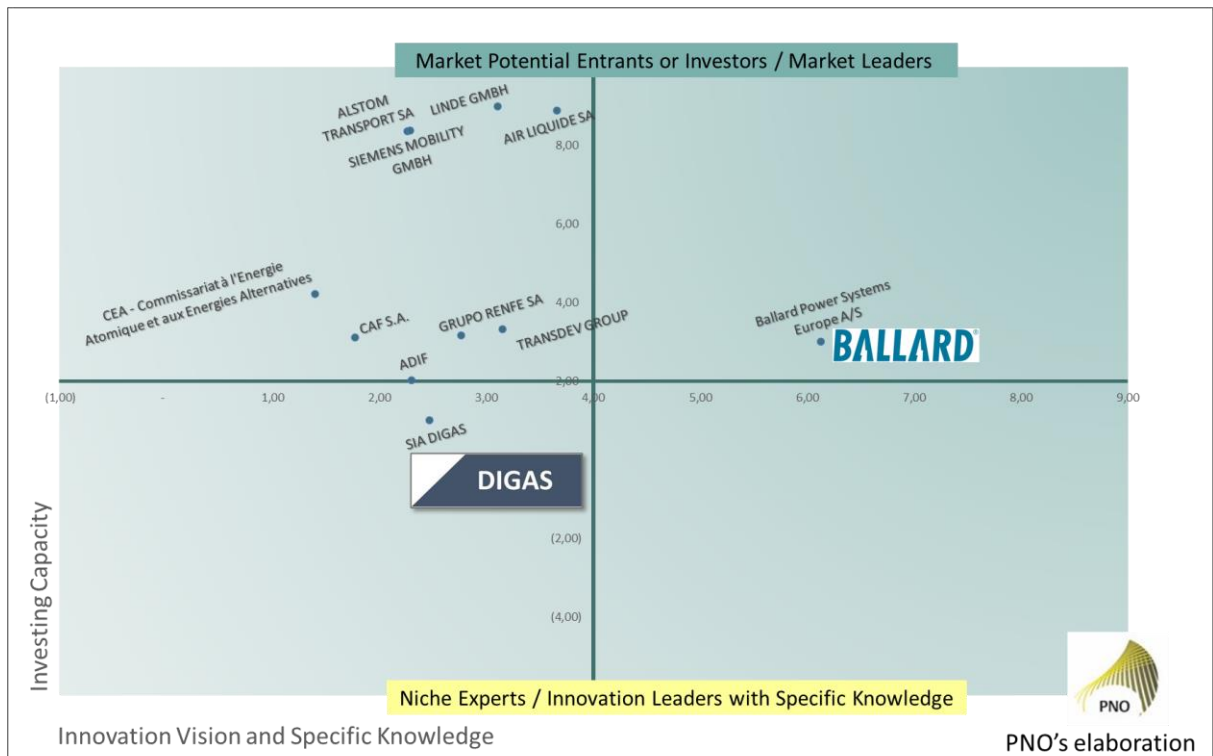


Figure 30: Main actors in alternative fuels and vehicles for rail transport.

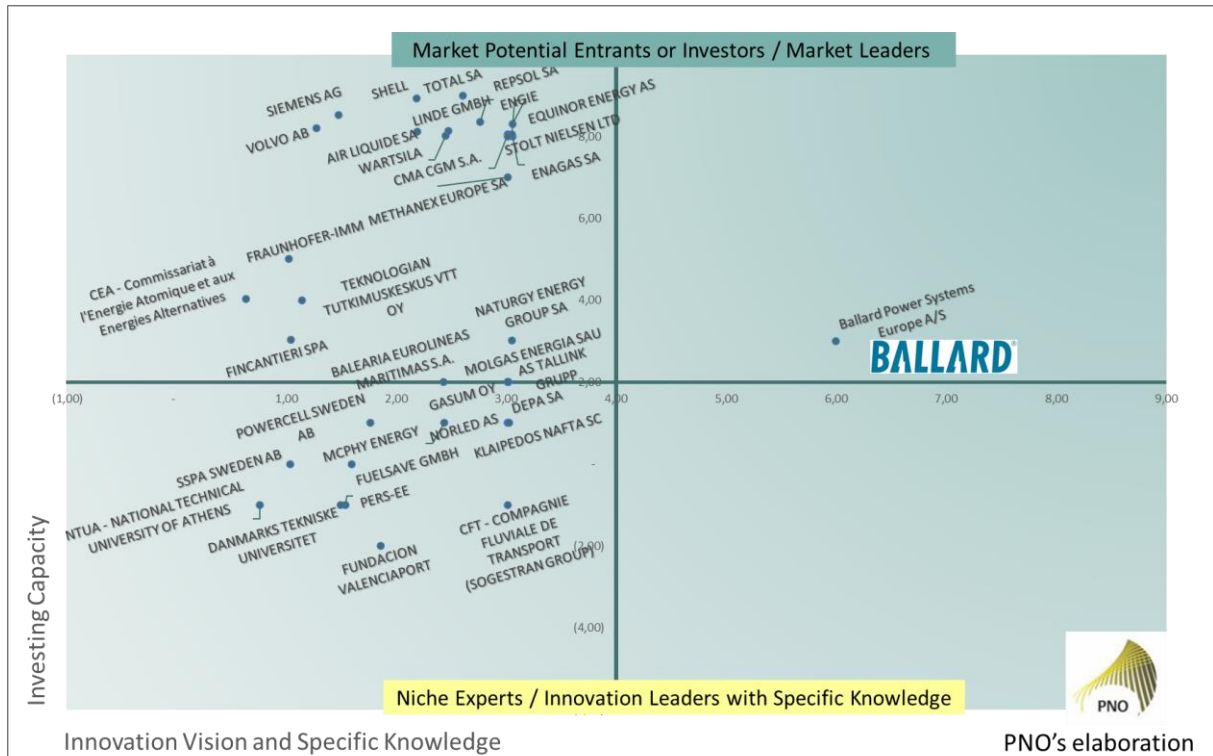


Figure 31: Main actors in alternative fuels and vehicles for waterborne transport.

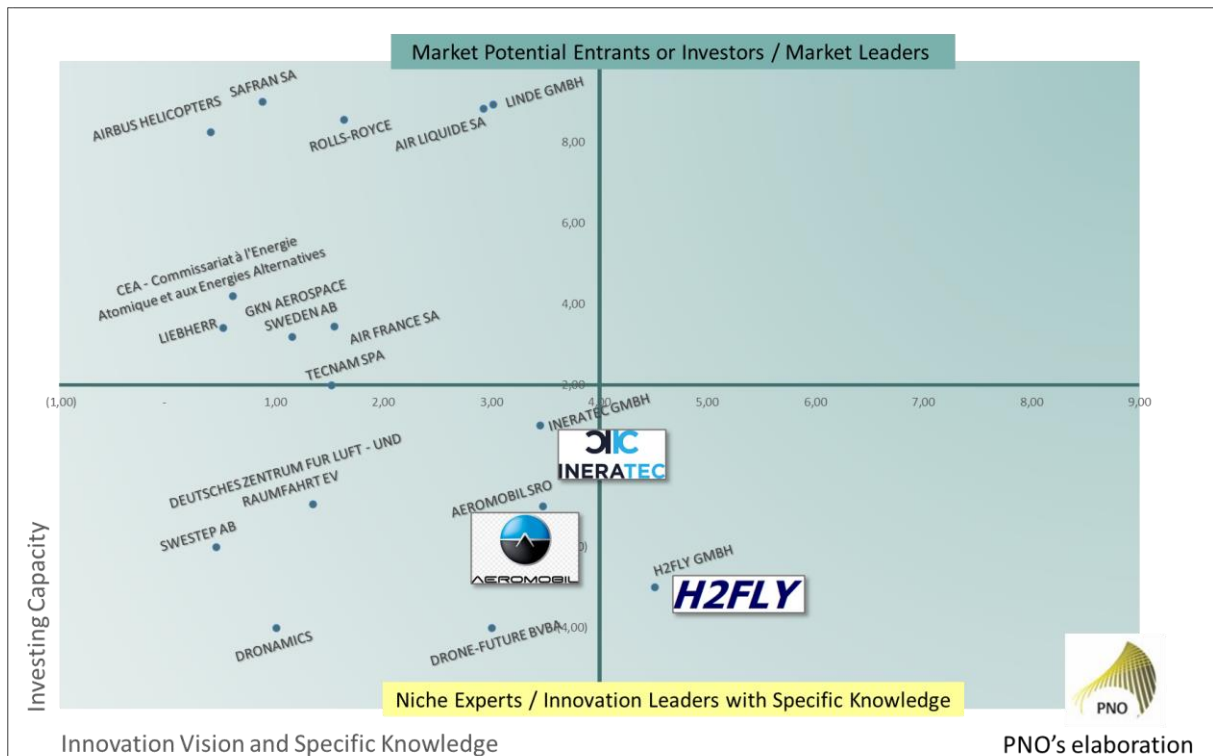


Figure 32: Main actors in alternative fuels and vehicles for air transport.

6.4. MANAGEMENT SYSTEMS AND DIGITALISATION

As for digitalization technologies (AI, ML, big data and similar) and management systems (ITS and other management tools), the maps below show many start-ups and emerging companies that are driving innovation and that are in a transition phase from the left to the right of the maps, in the face of the big players of the various modes of transport ready to integrate these technologies into their already advanced systems and products.

The **road transport** is the unique transport mode for this category of technologies which sees a company in the right part of the map (**Figure 33**): **Easymile**, a joint venture formed by Ligier Group, a French manufacturer of micro-cars for innovative mobility, and Robosoft, a French provider of robotic and autonomous solutions for various sectors, which has developed the most-used **fleet management system for autonomous vehicles** in both passenger transport and logistics. In addition to Easymile, the map shows two interesting SMEs, **GoOpti** and **Transmetrics**, which are next to the most innovative area in the bottom-right quadrant. GoOpti has developed an innovative method for **booking via app the transport to airports**, while Transmetrics has developed an advanced **AI platform to optimize logistics** and they both can be considered as emerging companies and, probably, future technology providers in this category.

In the **rail transport** map (**Figure 34**), instead, there are no organizations with a relevant rate to be present in the most innovative quadrants of the map and in general there are few that stand out from the others. However, it is possible to highlight **OTIV**, a Belgian start-up which is developing world-class algorithms and high-performance industrial-grade computing unit able to upgrade rail operations and transportation to become safer and more efficient, teaching vehicles on rails to **drive autonomously**, and it can probably fall into the “technology provider” category in the near future.

Even the **waterborne transport** map (**Figure 35**) shows few players that are interested in or are developing innovative management systems for maritime/inland transport. The upper-left part of the map shows the big players which develops relevant technologies in this field, such as Kongsberg Maritime, ABB, Indra Sistemas, etc..., and the main tier-1/tier-2 of the marine sector resulted from the analysis, such as Wartsila, Volvo, Siemens. In the bottom of the map, instead, the focus can be on **Awake.AI**, a start-up that fosters building an ecosystem focusing on developing smart ports and autonomous shipping and which can fall into “technology provider” category in the near future.

Finally, the **air transport** map (**Figure 36**) shows that the big players in air transportation sector are interested in investing in management technologies to reduce their environmental impact, together with the leading companies which develop and provide this type of solutions. However, no one of the big players we’re referring (upper part of the map) has an innovation rate that stands out from the others. On the other hand, **Dronamics**, a start-up with offices in Bulgaria and the UK which is developing the world-leading **cargo UAV** “The Black Swan” - a revolutionary fixed-wing unmanned aircraft that can transport 350 kg at a distance of 2,500 km cheaper than any aircraft in existence. It is possible to hypothesize that in the next few years the start-up can completely fall into the right side of the map.

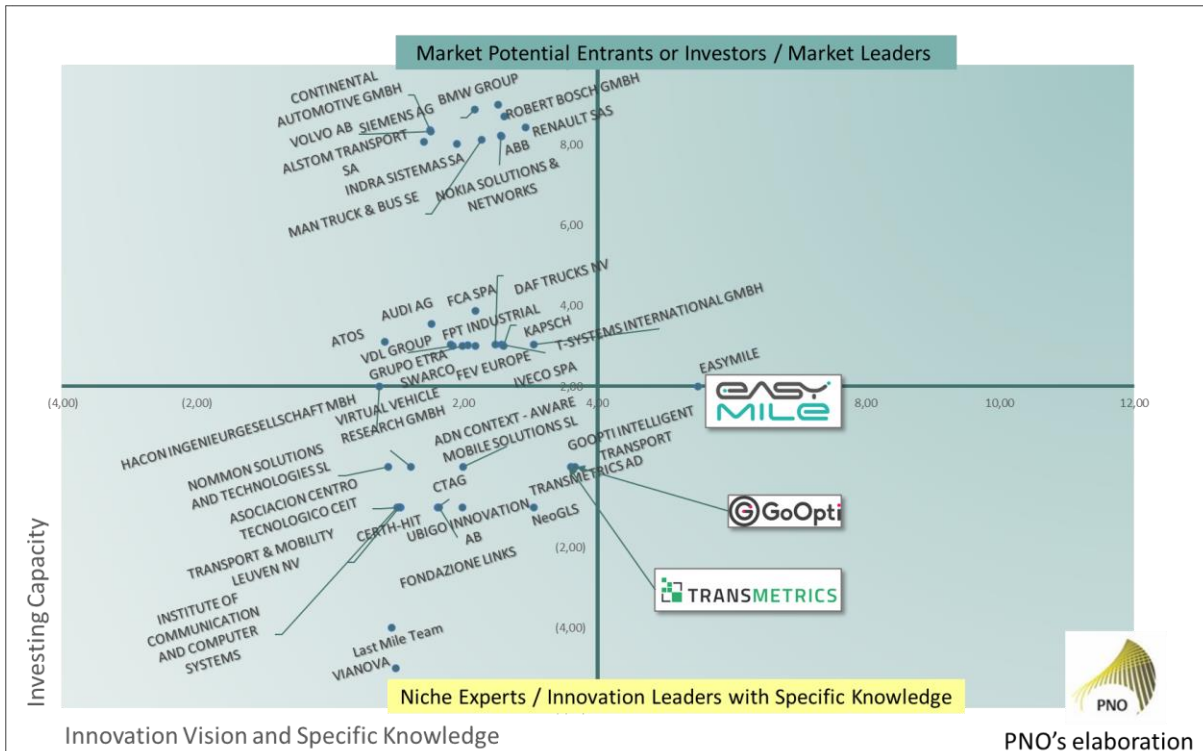


Figure 33: Main actors in management systems and digitalisation technologies for road transport.

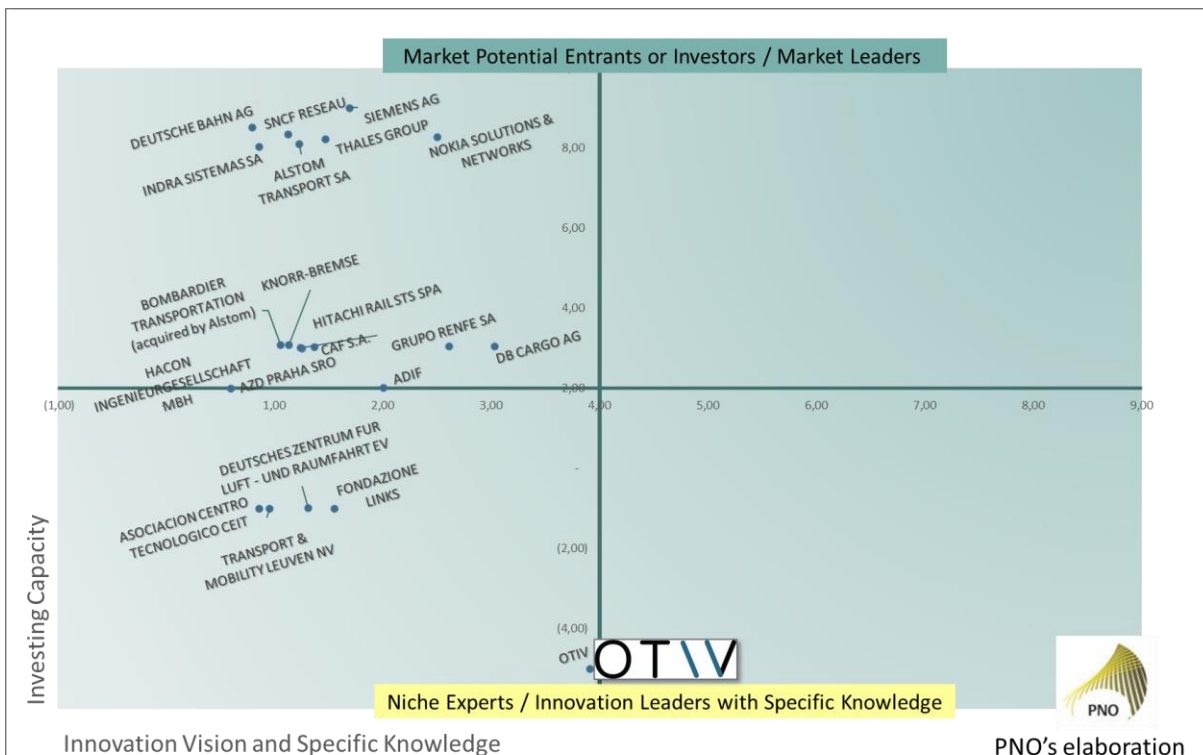


Figure 34: Main actors in management systems and digitalisation technologies for rail transport.

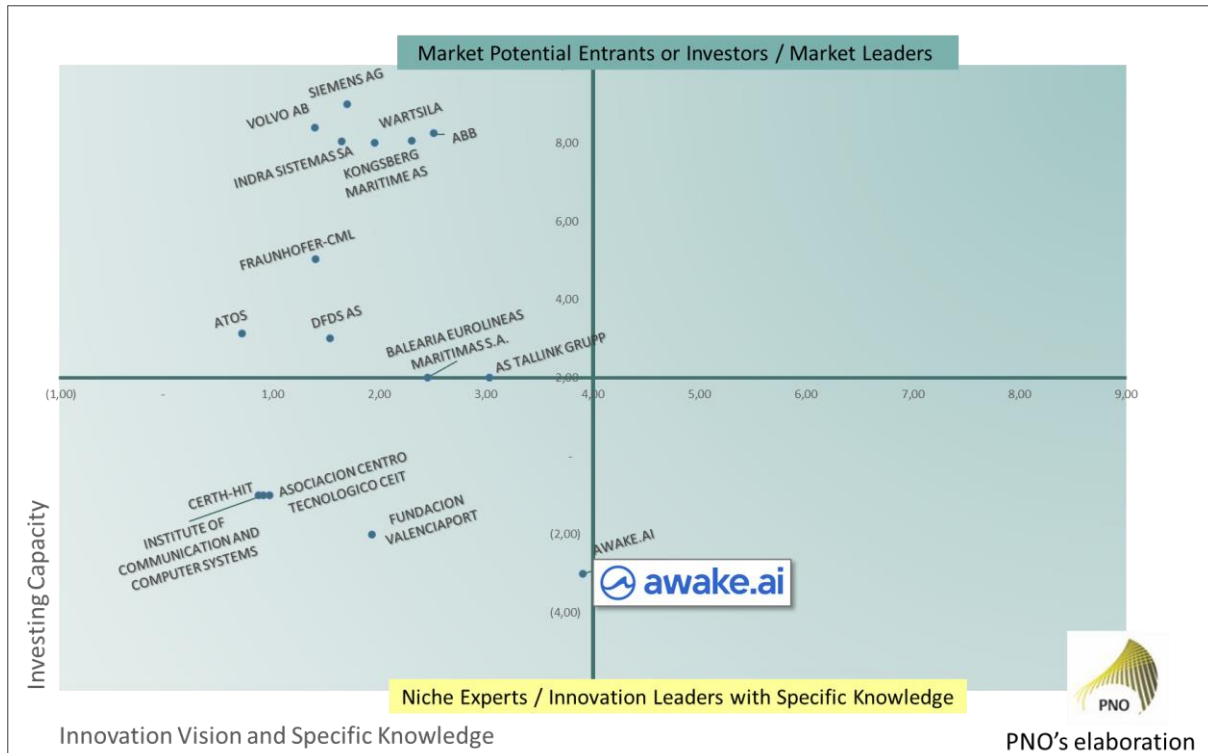


Figure 35: Main actors in management systems and digitalisation technologies for waterborne transport.

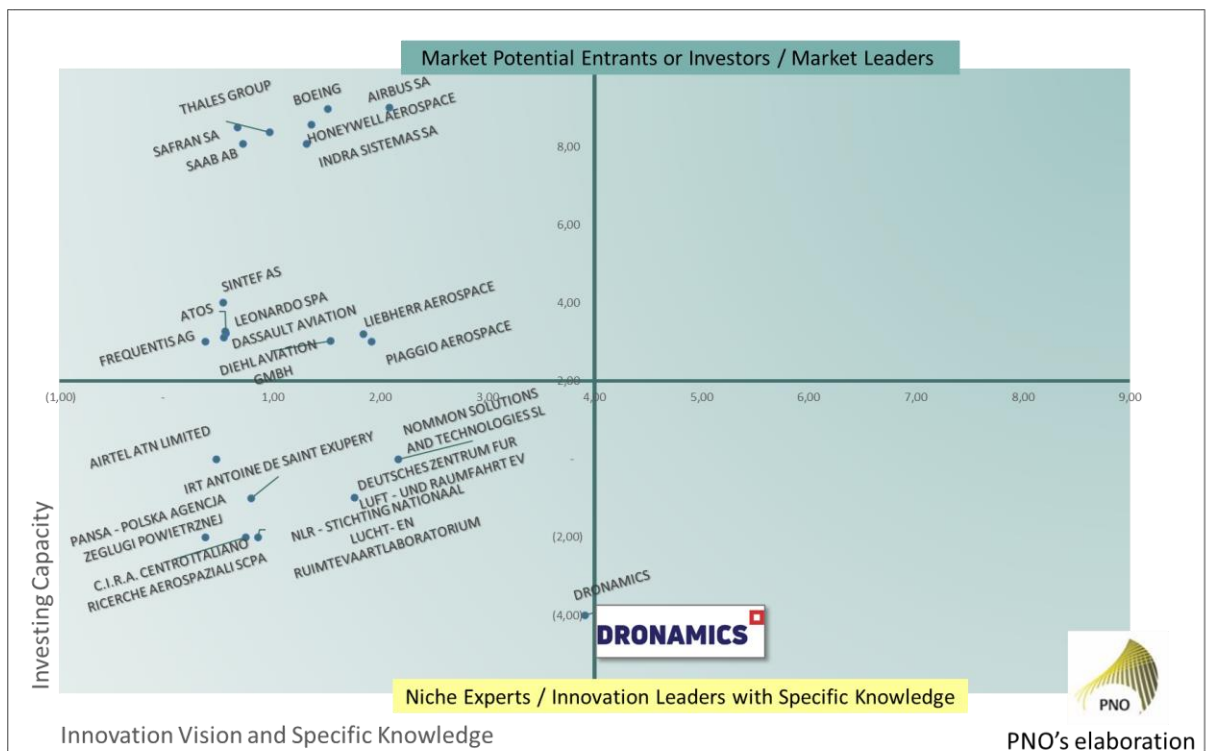


Figure 36: Main actors in management systems and digitalisation technologies for air transport.

6.5. INNOVATIVE MATERIALS

The maps created for the innovative materials solutions highlight an overall less crowded ecosystem. The number of relevant organisations, in fact, in this field is lower than the other technologies analysed for the different mode of transports, except for air transportation.

Among these few companies, **Hydrogenious Technologies GmbH**, can be highlighted. They are an SME which has developed an innovative **Liquid Organic Hydrogen Carrier (LOHC)** for hydrogen storage and transportation, and which has the highest innovation and affinity index in both **road (Figure 37)** and **rail (Figure 38)** transport modes. In the same modes of transport maps, another company can catch our attention: **Hysilabs**, which also produces an **innovative hydrogen carrier**, called HydroSil, and which is located in the middle part of both maps, thus being able to reach Hydrogenious on the right side in the near future.

The map related the **waterborne transport (Figure 39)** sees even fewer relevant players, among which **Umicore** stands out thanks to its high investing capacity and innovation/affinity index. Umicore, indeed, is a large enterprise leader in production of **catalysts to eliminate NOx** from vessel engines of all sizes and can be considered a market leader in the sector.

The map of **air transport (Figure 40)** is the unique for this technology with a good number of organisations represented. In fact, there are several organisations (big players such as Airbus, Safran, GE Aviation, etc.) which are interested in or are developing materials to reduce the weight of aircrafts parts or components and consequently reduce the emissions of air transport industry. However, the map shows that all the organizations are concentrated on the left side, testifying that there is no one company in this field that stands out from the others regarding the degree of innovation. It is a segment hold by established leaders, but the position of **Composite Research Srl** can be noted, which developed and patented MadFlex, a technology that allows the creation of **ultralight multilayer panels**, and which according to our calculation index is the one on the far right of the map.

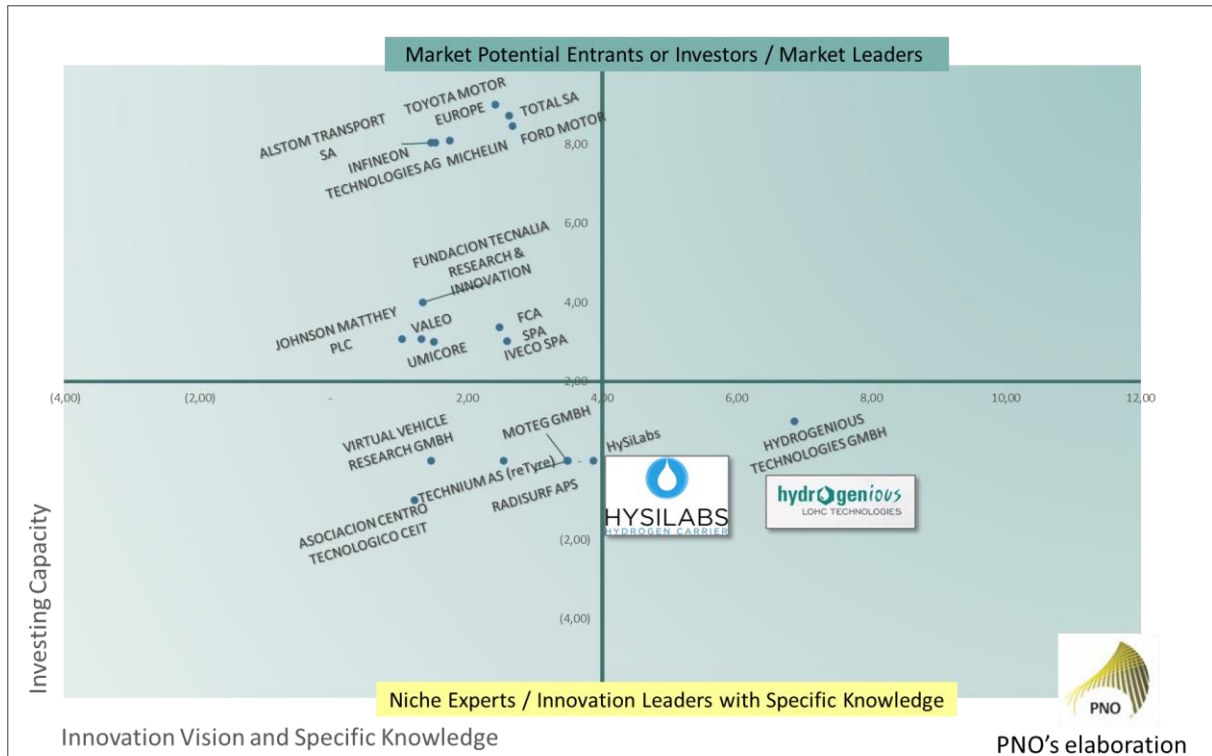


Figure 37: Main actors in innovative materials solutions for road transport.

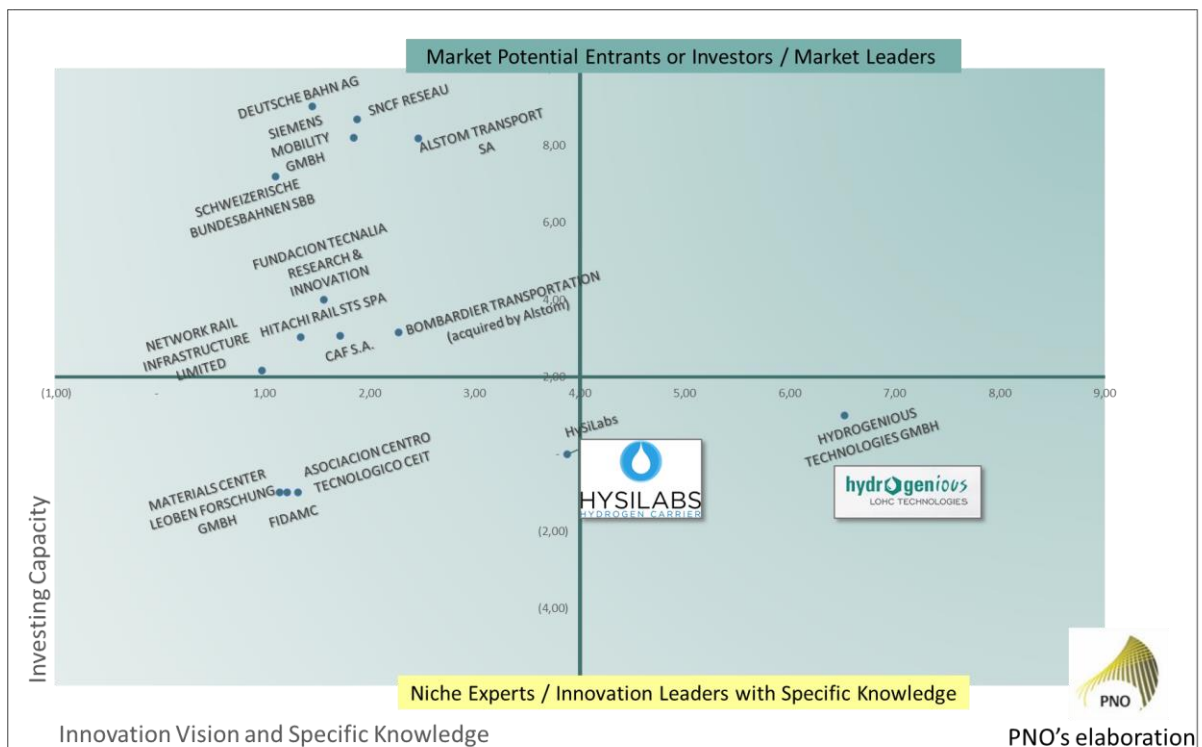


Figure 38: Main actors in innovative materials solutions for rail transport.

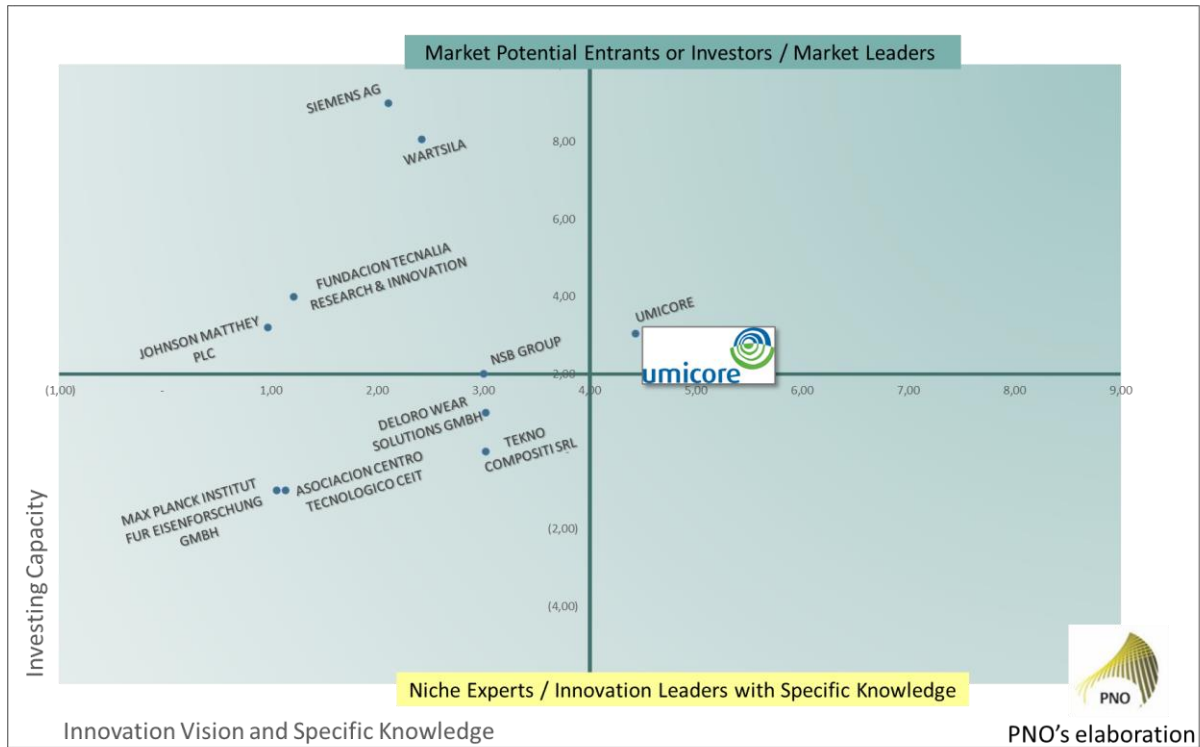


Figure 39: Main actors in innovative materials solutions for waterborne transport.

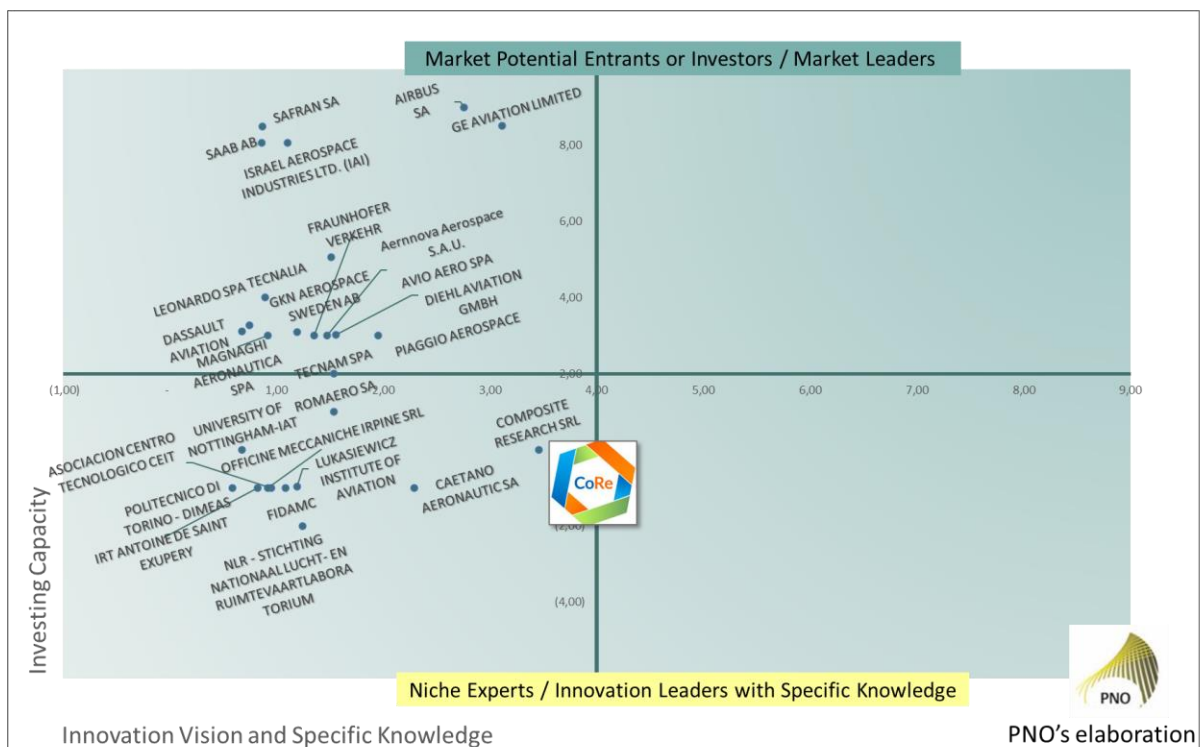


Figure 40: Main actors in innovative materials solutions for air transport.

6.6. OTHER TECHNOLOGIES

This section will show the maps of the organizations related to the other technologies considered: *smart solutions, transport & logistics operations, vehicle design, vehicle technology, other*. These technologies have been put together (and divided by mode of transport) because they do not have many other relevant players based on our selection criteria.

The **road transport** map (*Figure 41*) highlights two SMEs on its right side: **Nuwiel GmbH**, which has developed an **electric trailer to transport goods with automated brake and acceleration system for bikes**, and **Fuelsave GmbH**, which develops several solutions to increase efficiency and lower the impact in the environment, such as highly efficient **new type of engine and other solutions able to save fuel**.

In the **rail transport** map (*Figure 42*) there are no organizations that are particularly distinguished from the others. In fact, the map shows the main big players in rail transportation interested in and potentially buyers of new technologies capable to lower emissions in the sector and does not show emerging companies that can provide innovative solutions, with the exception of large companies such as Siemens AG and Thales Group.

Even in the **waterborne transport**, the number of small companies and organisations shown is limited, but it is possible to highlight SMEs which have fallen into the right side of the map (*Figure 43*): **Norsepower Oy Ltd**, which develops **rotor sails** able to make vessels fuelled by wind, and **Bound4blue SL**, which is also an engineering company with the mission to deliver **automated wind-assisted propulsion** systems as a turnkey solution for all shipowners and shipping companies looking for a reduction in fuel costs and pollutant emissions.

The map of **air transport** (*Figure 44*), instead, shows the usual big players in the air transport sector in the upper part, while in the lower part some organizations that conduct research and innovative engineering studies as well as some aeronautics engineering SMEs. The company that stands out from the others, with an innovation rate such as to make it fall into the right part of the map, is **GKN Aerospace Sweden AB**, company which is a major supplier of **integrated composite structures**, offers one of the most comprehensive capabilities in high performance metallics processing and is the world leading supplier of cockpit transparencies and passenger cabin windows.

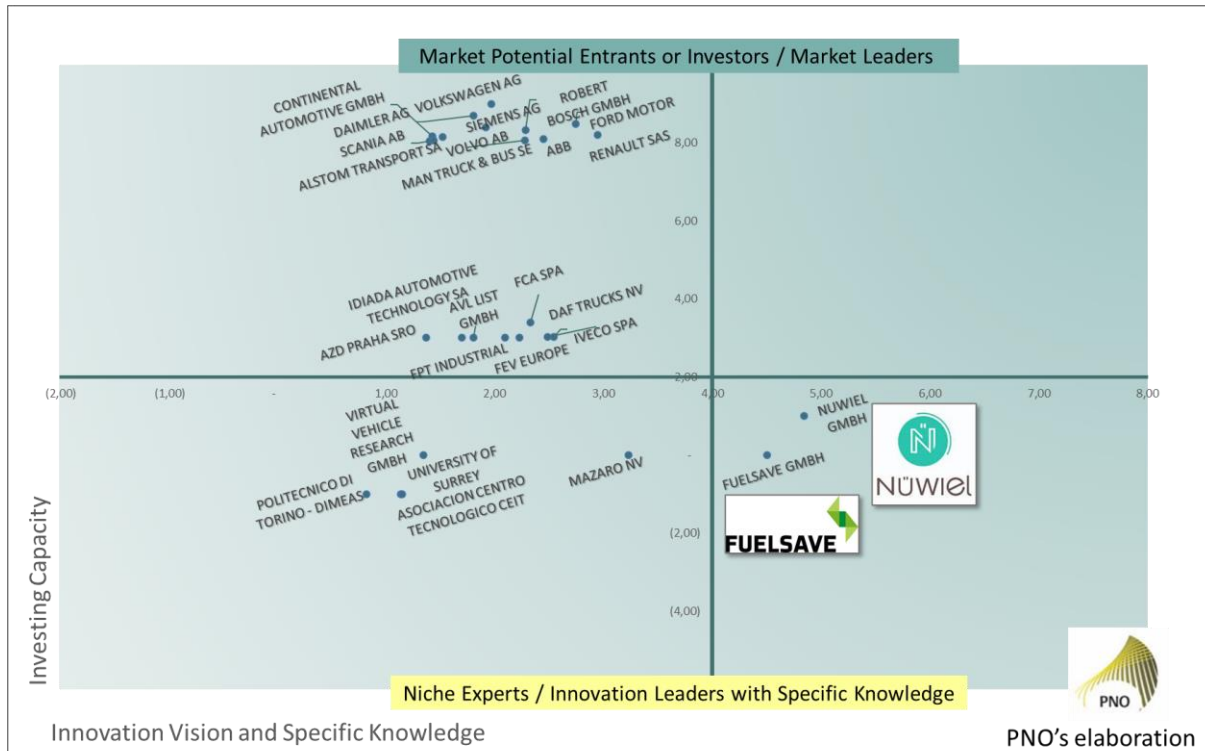


Figure 41: Main actors in other technologies aiming to lower emissions for road transport.

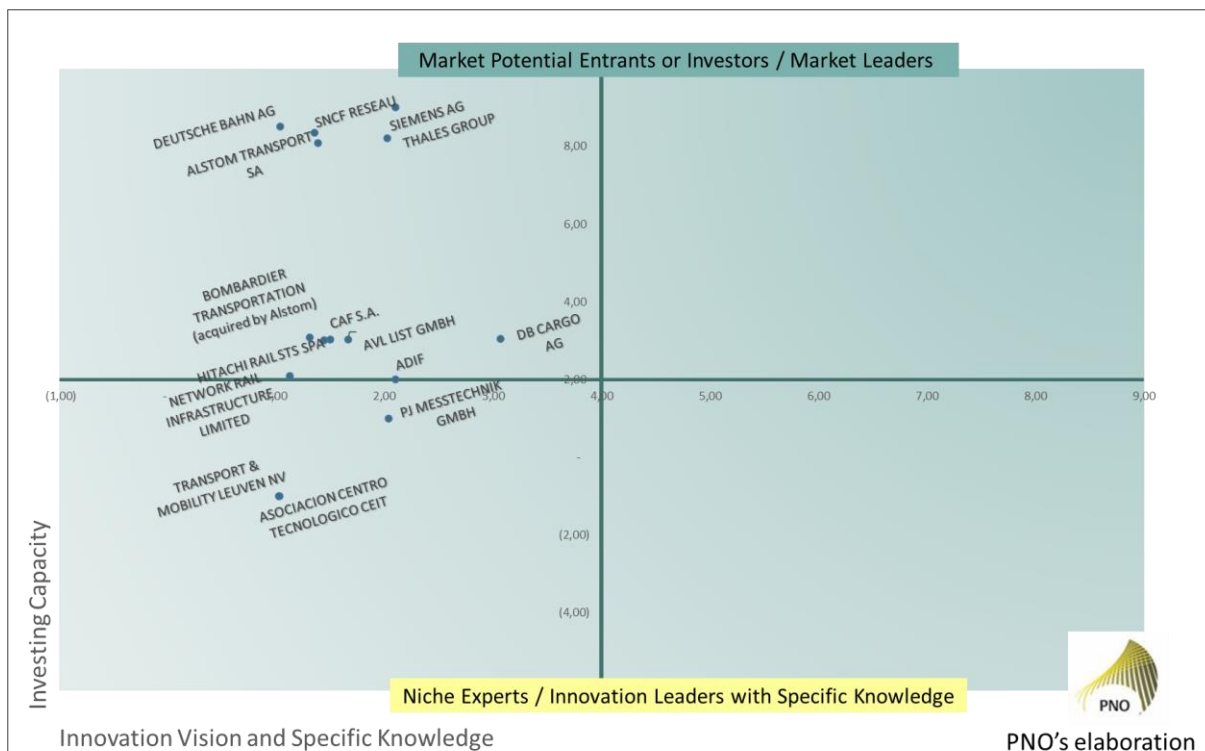


Figure 42: Main actors in other technologies aiming to lower emissions for rail transport.



Figure 43: Main actors in other technologies aiming to lower emissions for waterborne transport.

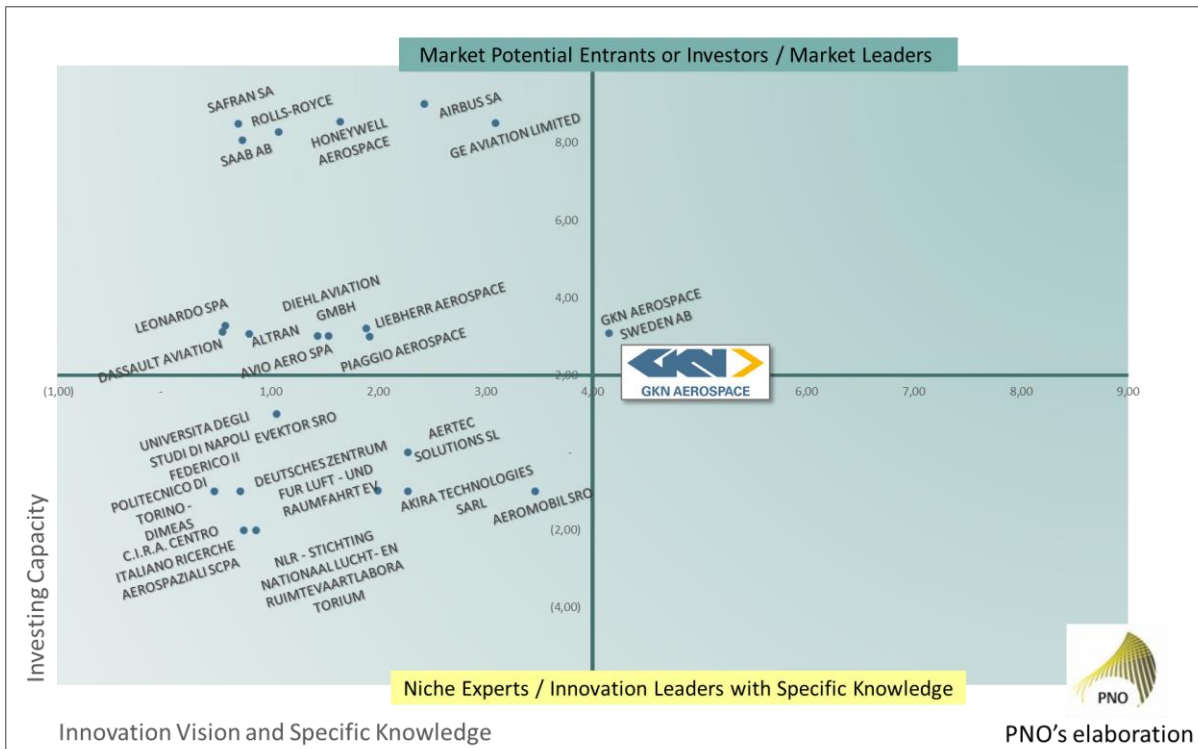


Figure 44: Main actors in other technologies aiming to lower emissions for air transport.

6.7. TECHNOLOGIES FOR MODALITY TRANSPORT

Finally, a separate map was built that included the main actors of combined transport (**modality transport**) because the technologies that favour its implementation can be considered different from those applied for other modes of transport. The map, shown below, allows the identification as most active and innovative organisations those which manage hubs and terminals (CSP Iberian Valencia Terminal Sausa, Duisport, PSA Antwerp, Interporto Padova, etc.), provide intermodal transport (Kombiverkehr, Hupac, Mercitalia, ZSSK Cargo, etc.) and some start-up/SME which develops technologies to favour the shift from a mode of transport to another. Among these, **Cargobeamer AG** can be highlighted, an SME which provides a **smart, reliable and environmentally friendly system for intermodal transport** of all types of semi-trailers by rail and falls into the right part of the map.



Figure 45: Main actors in technologies able to implement modality transport.

7. CONCLUSIONS

This report clearly reflects on the complexity of the transport and mobility sector, while it at the same time clearly shows how vibrant it is while tackling its future sustainability. The ENTRANCE community will therefore be enriched by the possibility of contacting the wide range of identified stakeholders.

The main figures of this assessment considering the main profiles of the platform are:

- A total of **945 organisations** can be considered under the SUPPLY category.
- A total of **1013 organisations** can be considered under the DEMAND category.
- A total of **217 investors** have been identified as potential INVESTORS.

It is noticeable that all these entities are nowadays, or have been in recent years, active on innovation activities oriented to decarbonising the transport of goods and passengers.

This assessment will become a practical yet useful guidance for identifying the entities that could represent the early adopters for the ENTRANCE platform. The approach will combine the knowledge collected by performing this assessment with the strategy developed for the project and collected under deliverable 6.1 'Communication and Dissemination Plan'.

8. BIBLIOGRAPHY / REFERENCES

Ref1. European Commission. (2021). *COMMISSION NOTICE - Guidance on Innovation Procurement*.

Ref2. European Commission. (2021). *Shaping Europe's digital future - Pre-Commercial Procurement*.

9. ANNEX 1 – PROJECTS AND PATENTS IDENTIFICATION

The identification of R&D&I projects and patents has been performed on PNO’s proprietary databases (e.g. on the Wheesbee intelligence platform ([link](#))): each search is based on identified keywords as shown below.

All the projects funded by the listed programmes have been taken into account, considering the following boundaries:

- The project aims to lowering emissions in Transport and Mobility sector (e.g. projects regarding only to improve security in T&M sector are excluded);
- Technologies ready-to-market or TRL>6 for Smart, Green and Integrated Transport’s H2020 call;
- Starting date from 01/2014 onwards.

The patent search has been instead performed considering the following boundaries:

- Patent with focus on *lowering the environmental impact in the transport and mobility sector*;
- Patent with *priority claim in Europe* (the technology has protection in Europe or in one of the European countries, also if it is patented by a non-European organisation);
- *European applicants or applicants with offices in Europe*;
- Patent with *priority claim date from 01/2014 onwards*;
- CPC codes regarding the field of lowering the emissions in the transportation sector: **B60** (Vehicles in General); **B61** (Railways); **B62** (Land Vehicles for Travelling otherwise than on Rails); **B63** (Ships or other Waterborne Vessels; Related Equipment); **B64** (Aircraft; Aviation; Cosmonautics); **E01** (Construction of Roads; Railways; or Bridges); **F01** (Machines or Engines in General); **F02** (Combustion Engines; Hot-Gas or Combustion-Product Engines Plants); **F03** (Machines or Engines for Liquids; Wind, Spring, or Weight Motors; Producing Mechanical Power or a Reactive Propulsive Thrust); **F16** (Engineering Elements and Units); **F17** (Storing or Distributing Gases or Liquids); **F23** (Combustion Apparatus; Combustion Processes); **H02** (Generation; Conversion or Distribution of Electric Power); **Y02T** (Climate Change Mitigation Technologies related to Transportation).

Table 7: Table of keywords

Sector/Objects	Land transport, Road transport, Logistics, Maritime transport, Seaborne transport, Sea transport, Waterborne transport, Inland waterways transport, Short-sea transport, Air transport, Rail transport, Railways, Locomotive, Train, Vessel, Ship, Shipping, Ferry, Boat, Car, Trailer, Truck, Bus, Aircraft, Tanker, Infrastructure, Freight transport, Mobility
Actions	Optimising, Improving, Reducing congestion, Enhancing, Reducing fuel consumption, Extending battery lifespan, Traffic controlling, Synchronising, Data sharing, Connecting, Increasing, Reducing weight
Solutions	Electrification, Electric vehicles, Fuel cell, Hydrogen, Liquid hydrogen, Alternative fuels, Biomethane, LNG, CNG, Bio-based fuels, Electric charging, Fast charging, EV range extender, Management systems, Smart charger, Internet of Things, ICT-based solution, Intelligent traffic system, Artificial intelligence, Intermodality, Smart system, Intelligent system, Lightweight material, Composites, Big data, 5G, Multimodality, Automation
Benefits	CO2 free, Zero emissions, Low fuel burn, Green transport, Low-emissions transport, Intelligent transport, Near to zero emissions, Low environmental impact, No pollutants, Decarbonization

10. ANNEX 2 – PROJECTS IDENTIFIED

The list below, provides the acronym of all the projects that have been selected for this assessment. The total number of projects is 556. This list includes the results obtained by analysing projects under the programmes EIC Accelerator for SME (ex SME Instr.), LIFE, COSME (Competitiveness for SME), CEF Transport, EMFF (European Maritime and Fishery Fund), H2020 Smart, Green and Integrated Transport and INTERREG 2014-2020. It excludes other results that were found by desk research not corresponding to these programmes.

CASSIO	Hydrogenlogistics	New multimodal terminal of the Port of Strasbourg/Lauterbourg
FUTrailer	H2Engine	Studies of river access to Port 2000
HyLIZER	Project Racoon	Breakthrough LNG deployment in inland waterway transport
IMPOWER2X	Hailo-8	Core Network port Regensburg - improving accessibility
MOBHYLE	ONO	LNG for shipping and logistics in Europe
Simacan LINK	HYDROSIL	LNG Logistics
DazePlug	Transmetrics	PAN-LNG-4-DANUBE
EEN HSHS	OPTELA	Trimodal Linz port - Rail connection and port enhancement
GREENing the BLUE	Matrix Charging	Port-Liner, "zero emission" ships for inland waterways
Cluster ACT	LiveIT	Upgrade of the combined cargo terminal rail infrastructure at the Port of Moerdijk
FreShER	HPCForEVs	Upgrading infrastructure at Seville Port to improve interconnection between the waterway and rail and maritime transport
SpaceTech4Sea	INTRANSYS	Port development of the Ports of Mulhouse-Rhine
ZboxBlueLogistics	NYSMART	Electrification of the Seine Axis: onshore power and water supply for fluvial units
LIFE_SC	Airport IQ	Upgrading infrastructure for waterborne operations at three locations on the Maas and Albertkanaal
LIFE ASPIRE	Agro Highway	GAINN4SHIP INNOVATION
LIVE ECOTRAVID	FREEWAY	Cleanport
LIFE GySTRA	GlobalBLED	Nordic Maritime Hub
TankSensor	FastPrk-2	The northern ScanMed ports - Sustainable maritime links
LIFE LANDFILL BIOFUEL	Echaea	Twin-Port 2
LIFE STEAM	CONCEPT	ReaLNG
LIFE SAVE	Circlenergy	HEKLA
LIFE GYR	BITRIDE BIKE SHARING	STM Validation Project
U-MOB LIFE	Addionics	Back from Black
MILE21-Life	GoOpti	Environmental compliance and upgrade of the North Sea MoS Felixstowe-Vlaardingen
i-SharE LIFE	CLOUD-VAS	Biscay Line - Multiple port Finland-Estonia-Belgium-Spain long distance MoS, relevant to many core network corridors
LIFE BrennerLEC	CREEV	Zero Emission Ferries - a green link across the Oresund
LIFE GYM	EHSTACK	Planning, construction, demonstration and market roll-out of small-scale liquefaction and supply facility for Liquefied Biogas (LBG) as alternative fuel for the transport sector
BIOHEC-LIFE	BUSUP	Upgrading and sustaining the competitive Germany-Finland (RoRo multiple ports loop) Baltic MoS link
EP TENDER	LIFE 'N GRAB HY!	Rostock-Gedser Motorway of the Sea - Part 2
ZapGoCharger	PROMETHEUS-5	Poseidon-Med II
Adaptcontrol	LIFE BIOBCOMPO	elmpact
comAUX	CAPOWER	GAINN4MOS
Raven	4FOLD Phase 2	Study and deployment of integrated gas & water cleaning system and biofuel-MGO blend for Atlantic Corridor upgrade
reinventing the tyre	AINARA	
QualE-fly	REBOOT	
SMASH	LIFE CLINSH	
X-CAP	LIGHTYEAR	
LIFE METHAmorphosis	Cryoshelter	
BATTERY PLUS	AQUASONIC DIESEL	
AVILOO bcheck	LIFE CIRCforBIO	
MAXITHERM	ACEP	
Capcooltech	FENIX	
YawSTOP	Decarbonised passenger transport at European Airports	
Triboconditioning	Connection of the Budapest-Arad railway line to the multimodal hub at Budapest Airport	
WHIITE	Implementation of Functional TWR at Göteborg Landvetter Airport	
Seabubbles	Skavsta Access 2.0	
RebelRocket	Croatia Airlines joining the EGNOS family	
SmartRunway	AlA's evolution into a high-performing node within the European ATM network	
SkySaver	Deployment of SESAR solutions in TAP's fleet	
SIADe SaaS	Implementation of Voice over IP (VoIP) in the Barcelona Area Control Centre	
UNITE	Watertruck+	
SKLCarbonP2	Bridges and culverts in the Münster city section of the Dortmund-Ems canal	
SulPure		
SAFE-CTS		
RadiBond		
TrafficWise		
SMARTER-2		
TRUFUS		
INCH		
PolyHalter		

Installation of gas & water cleaning system for the upgrade of the Atlantic Arch	FAST-E (DE/BE)	CONCORDA
CORE LNGas hive	MECOR	E-VIA – FLEX-E
INES	NEXT-ITS 2	Comprehensive fast-charging corridor network in South East Europe
GAINN4CORE	EU ITS Platform	NEXT-E
DOOR2LNG	COHRS	URBAN-E
Bothnia Bulk	URSA MAJOR 2	MI2
Blue Baltics	GREAT	C-ROADS ITALY
S/F SamuelLNG for a Blue Atlantic Arch	CROCODILE 2	GAINN4MED
EG LNG bunker vessel	UNIT-E	Upgrading of Modal Interconnection on Malta's TEN-T (road) Core Network: Marsaxlokk-Luqa-Valletta (Marsa - Action B1 and parts of Actions B2, B3 and B4)
SuperGreen	Arc Atlantique Corridor phase II	BIOLNG4EU
LNGHIVE2	Connect2LNG	LEM project
GAINN4MID	H2Nodes	C-ROADS Portugal
TWIN PORT III	BESTWay	Nordic Hydrogen Corridor
LNGHIVE2 VESSELS DEMAND	FAST-E (SK/CZ)	Traffic Management Integration in the National Traffic Management Centre 2
BlueHUBS	Development of LNG/L-CNG network in Finland	FuelCNG
Cargo capacity upgrade and LNG bunkering Swinoujscie – Ystad maritime link	EAS-HyMob	Liquefied BioGas: Fuelling renewable transport in the Visegrad countries
EU Green Loop	TIMELY	EUROP-E
Eastern Baltic Hub - Improving port access and hinterland connection of the HaminaKotka port in the ScanMed corridor	Development of LNG infrastructure in Poland - the pilot project	H2Bus Europe
Ravenna Port Hub: infrastructural works	Study of innovative natural gas solutions for road transport in north west Europe with pilot deployment in UK and the Netherlands	Central European Ultra Charging
GAINN4SEA	CITRUS	MEGA-E
Intelligent Sea	C-ROADS CZECH REPUBLIC	BioLNG EuroNet
GREEN C PORTS	Studies for construction of the D52 motorway, Bavory– CZ/AT border section	MULTI-E
iTerminals 4.0	Electric vehicle fast charging backbone network Central Europe	Blue Stations Network
SMART-C	C-Roads-Germany	Zero Emission Valley
Upgrade of the combined transport RSC terminal Rotterdam	Deployment of autogas refuelling stations in different metropolitan areas between Spain and Portugal	LAST MILE
Feasibility study and technical documentation of the intelligent cargo road traffic management system in the port of Gdynia	SoLC-ITS	CORRI-DOOR ²
Smart, Electronic and Autonomous Multimodal Transportation System and Port Operations	POSTLowCIT	Olympic Energy
Blue Port Kiel	INMAB	Green Connect - A public CNG network
ALFION	SILNGT Small Scale Transport	CRE8
LNGHIVE2 Santander	InterCor	AMBRA-Electrify Europe
LNGHIVE2 Vessels Demand2	EAST-E	Snam 4 Mobility
EALINGWorks Valenciaport	Creation of an LNG road haulage market in a smart & quick way	REMETBUS2 Rotterdam
LNGHIVE2 Barcelona	Models for Economic Hydrogen Refuelling Infrastructure	Zero emission public transport services for Schiphol Amsterdam Airport and along the core corridors.
LNGHIVE2 Algeciras	ULTRA-E	PURE H2
Sea Li-ion	CIRVE	Building a charging infrastructure for electric vehicles in order to decarbonise public transport in Warsaw
EALING	EVA+	Svealand Public Transport infrastructure roll-out for biogas and electric buses
Upgrade of the Kapellskär-Naantali (MoS Finnlink) Baltic sea bridge	LNG motion: Fuelling trucks with LNG/CNG along the Core Network	C-ROADS Greece
Upgrading the port of St Malo for safe, secure and sustainable RoPax traffic development	AUTOCITS	C-ROADS Austria 2
Upgrading works for a sustainable growth New RoRo ramp at Port of Dunkirk: securing & improving environmental performance of the traffic on the NS-Med corridor	C-Roads France	NordicWay 3 - Urban Connection
H2Bordeaux	Deployment of autogas refuelling stations in different metropolitan areas between Spain and Portugal	InDID
Hansalink 2	CIRVE_PT	Mobilidata
Naples LNG Coastal Depot	CNG ROMANIA	Construction of the Lefkosia South Orbital Motorway - Phase B3
High Voltage Shore Connection (HVSC) for the TEN-T Core Grand Harbour Port, Malta – Action A	C-Roads Slovenia	Grupo Ruiz Clean Bus Fleet
Bio2Bunker	NCE-FastEvNet	ISM
Preparing the port of Karlshamn for the next generation of large Ro-Pax vessels and provision of onshore power supply	C-Roads Belgium/Wallonia	Development of a network of alternative fuel technology in the Atlantic and Mediterranean corridors across Spain
Gävle Port - Electrified railway connection	Modernisation of the I-8 Kalotina–Sofia Ring Road, from km 1+000 to km 15+500 and stage link	ECO-Net
Pilot deployment of a smart (bio-) LNG/CNG network in Flanders, investigating an innovative "mobile CNG pipeline" concept	URSA Czechia	Total High Power Charging
Safe and secure infrastructure in Flanders	LNG4Trucks	Planning and design phases of TEN-T priority route improvement in Donegal
	Study for a pilot CNG filling station network	EV Charging Italy
	C-Roads Spain	EV Stations 2.0
	NEST-ITS 3	Zero Emission Buses for public transport in Amsterdam, The Netherlands
	URSA MAJOR neo	RESTART
	High speed electric mobility across Europe	Development of Sofia railway junction: Sofia-Voluyak railway section
	ECO-GATE	Knappenrode-Horka-German/Polish border section: upgrade, electrification and ETCS planning
	SOCRATES2.0	
	H2Benelux	
	BENEFIC	

<p>40-CONTECH MEDAS 3.0 ETCS: development of the generic design Level 2, key catalyst for the roll-out of ETCS2 in Belgium Coordinated and harmonised implementation of rail freight corridors and freight and passenger telematics applications ETCS Petrovice u Karvine-Ostrava-Prerov-Breclav ERTMS Deployment on the German part of the Rhine-Alpine Core Network Corridor Support and coordination of the Rhine-Alpine Rail Freight Corridor for its long term sustainable operation RIO Railway Infrastructure Optimisation ERTMS Trackside deployment along the Copenhagen H-Køge Nord-Ringsted section in East Denmark Construction of railway infrastructure in the Rododafni-Psathopirgos section of the new Athens-Patras railway line Murcia LAA Aveiro-Salamanca-Medina del Campo railway connection: Works on energy facilities and services to follow-up works Implementation of UIC gauge (phase 1) on the Valencia-Tarragona-Barcelona section of the Mediterranean Corridor New Southern Rail and Road Access to the Port of Barcelona - Phase 2 - Connection Works Development of Rail Freight Corridor Atlantic "Sines-Lisboa/Leixões-Madrid-Medina del Campo/Bilbao/San Sebastian-Irun-Bordeaux-Paris/Le Havre/Metz-Strasbourg /Mannheim/Sines-Elvas/Algeciras" Support to ERTMS implementation Studies and activities regarding the enhancement of Baltic-Adriatic Rail Freight Corridor New high capacity railway line: Central Trans-Pyrenees crossing. Studies (Phase 2) Development of a 1,435 mm standard gauge railway line in the Rail Baltica corridor through Estonia, Latvia and Lithuania Creation of permanent counterflow installations on the Gazinet-Dax section to increase capacity Rail2Bordeaux ARMIS Modernisation of the Serqueux-Gisors railway line ETCS Deployment on the French part of the Antwerp-Basel route Preparation for construction of a second track, upgrade and modernisation of the Škrjjevo-Rijeka-Jurdani railway section Design and study for the modernisation of the Békéscsaba-Lökösháza (country border) railway section Upgrading the Kelenföld-Pusztaszabolcs railway line, Stage 1 (Upgrading the Kelenföld-Százhalombatta section and installation of ETCS level 2) ERTMS Deployment on the Italian part of the Rhine-Alpine Core Network Corridor</p>	<p>Upgrade and Strengthening of Rail Freight Corridor 6 - Mediterranean Corridor including extension to Croatia MXP-AT Railink Enhancing the efficiency of the new container terminal of Interporto di Padova Brussel-Luxembourg-Strasbourg section of the "EuroCap-Rail" - Luxembourg rail network, works for the construction of a new section providing a direct link between Luxembourg Station and Bettembourg Station Retrofitting locomotives with ETCS baseline 3 Preparatory study for the deployment of ERTMS on the Kijfhoek (Port of Rotterdam)-Roosendaal-Belgian border railway line section Works on the E75 railway line (Sadowne-Czyżew section) along with the remaining works on the Warszawa Rembertów-Sadowne section Studies for the Aveiro-Vilar Formoso rail section Rehabilitation of the Brasov-Simeria railway line, upgrade for a maximum speed of 160 kph MidNordic Corridor – Electrification and reconstruction of a Cross Border Link Bottleneck rehabilitation in the area of Bivje on the Divača-Koper railway line Technical Equipment and Infrastructure Upgrade: Londonderry to Coleraine Rail Line Birmingham International Station integrated TEN-T transport hub Deployment of ETCS Bsl3 L2 on 106 AM Break motor units - Retrofit action to promote safety and cross border transport Modernisation of the Kostenets-Septemvri railway section Implementation of TAF TSI at private railway undertakings Deployment of ERTMS/ETCS on-board components compliant with ETCS Baseline 3 in ČD CARGO, a.s. vehicles on the Rail Freight/Core Network Corridors Deployment of ERTMS/ETCS on-board components compliant with Baseline 3 in České dráhy a.s. vehicles ETCS Beroun-Plzeň-Cheb Paskov Multimodal Container Terminal Intermodal Terminal Melnik, Phases 2 and 3 Upgrade and retrofitting of on-board ERTMS in Renfe's vehicles Sines/Lisboa-Madrid high speed rail line - Madrid urban node. Studies for an improved and intermodal adaptation of Chamartín station and high speed access to Madrid airport Studies and works for connections by rail of 4 existing freight terminals along the Mediterranean Corridor in Spain RAISE-IT Project to install ERTMS Baseline 3 on the Regional trains linking France and Luxembourg Studies for the implementation of the Toulouse Aerospace Express project Upgrade of the existing track and construction of a second one on the</p>	<p>Križevci-Koprivnica-state border railway line section Upgrade of the Százhalombatta-Pusztaszabolcs railway section, including the installation of ETCS Level 2 Stage 2 deployment of the GSM-R system on the TEN-T Railway Core Network in Hungary Enhancing Interporto di Padova - Step 2: ancillary measures and ICT solutions for optimising terminal operations, accessibility and interconnections Vado Multimodal Platform rail/road terminal (core RRT node of the TEN-T network) intermodal connections optimisation and Upgrading (VAMP UP) ERTMS L2 B3 On-board deployment on NS vehicles Electrification of railway lines 278 and 274, Węglińiec-Zgorzelec section Rehabilitation of the Braşov-Sighişoara railway section, Apaşa-Caşa sub-section Deployment of on-board ERTMS in Sweden Deployment of ERTMS/ETCS on the Dobova-Zidani Most and Pragersko-Maribor-Sentilj railway lines Upgrade of the Zidani Most-Celje railway line Implementation of the technical interoperability for TAF-TSI subsystem at ZSSK CARGO Modernisation of the Žilina-Košice railway line, Liptovský Mikuláš-Poprad-Tatry (outside) section, stage 1 (Poprad-Lučivná) Shifting Freight2Rail Electrification of the Mol-Weert (Belgian part) railway line Deployment of ETCS Bsl3 L1+L2 on 42 HLE 13 locomotives – retrofit action to promote safety and cross-border transport Development of the Plovdiv Railway Node Upgrade and electrification of the Lohsa-Horka (a) route section HYBRID-INFRA-RAIL TAF/TAP-TSI implementation in Greece: Design and development of scalable TAF/TAP-TSI systems FPSII - Advanced deployment of innovative solutions to improve railway traffic management & operation on the Core Network Demonstration study of infrastructure associated with an innovative LNG traction solution in railway operations 2EUStates2cross Implementation Study for the optimisation of the cross-border rail infrastructure in the Ghent-Terneuzen port area Sharing of train tracking & estimated time of arrival information Implementation of TAF-TSI at the Hungarian private railway undertakings MiRO ERTMS on strategic sections of 3 Core Network Corridors Construction of a pilot docking station, as a part of an LNG distribution system based on cryogenic tank containers Deployment of ERTMS/ETCS on TEN-T Core Network railway lines</p>
---	---	---

Sustainable Public Transport in the Urban Node Malmö
 Deployment of on-board ERTMS in Sweden
 Delivery and installation of ETCS into 361 series motive power units for ZSSK
 Upgrading and electrification from Vienna Stadlau to the Slovakian Border near Marchegg (bottleneck removal)
 Cross-border TAF TSI Telematics investment Action
 DB TAF-TSI: Investing in digital communication infrastructure based on telematics application for freight
 Implementing the Scan-Med corridor - Upgrading the Danish railway access line to the Fehmarnbelt tunnel (Phase 1)
 Core Network - Elimination of Lyon railway bottleneck
 Track-side deployment of ERTMS level 2 baseline 3 on the Paris-Lyon HSL
 Rail Freight Strengthening Project – Retrofitting of MIR loco E405/E412 with ETCS/ERTMS L2 Baseline 3
 ERTMS Baseline 3 upgrade on-board units (OBUs) Rhine-Alpine freight locomotives - II
 Deployment of ERTMS On-board in Sweden 2017-2023
 VTG Rail Europe status oriented and predictive maintenance
 Variable Gauge For Freight Transport
 Implementing Telematics Applications for European Interoperability
 Building interoperable rail system in the Baltic countries
 SaMiR
 MIRO
 I RAIL
 Automated combined transport terminal in Calais enabling the modal shift of all types of semi-trailers from road to rail
 Centralising open access intermodal terminal operations for extra-long freight trains in the Kouvola rail-road terminal
 Track-side deployment of ERTMS in the Channel Tunnel and interfaces with neighbouring networks
 InGE
 Veneto Region coordinated initiative enhancing core intermodal nodes
 Upgrade and electrification of the Szentgotthárd/Jennersdorf (Hungary / Austria)–Graz railway line
 Upgrade and electrification of the Wiener Neustadt-state border-Loipersbach-Schattendorf (-Sopron) railway line
 ERTMS prototyping for TRAXX MS2 and TRAXX AC3 locomotives
 On-board deployment of ETCS Baseline 3 for Siemens locomotives operating on the TEN-T
 ERTMS equipment of Baden-Wuerttemberg regional rolling stock
 Electrification and signalling works in cross-border Guillaumi-Tui section
 LARA
 TEN-T Upgrade DART+ South West, Engineering Design
 On Board ERTMS B3 equipment for the Lombardy Fleet

MXP-NLINE
 Prototype for retrofit of Drielandentrein (through-train Liège-Maastricht-Aachen) with ERTMS (B3) on-board equipment
 Rotterdam and EU hinterland connection: Theemsweg railway section superstructure
 Establishment of a new Comprehensive TEN-T Network cross-border line linking the Katowice and Ostrava regions (Phase I)
 Feasibility study and technical design for the modernization of the Coslariu – Cluj-Napoca Railway Line
 Battery Cortex
 DIS LOGUN
 M4H2LM
 iTORQUE
 DEE-DCR-RE
 BAMBOO
 SMARTBUS
 X-Weaving
 LPG for downsized engines
 MODBATEV
 GALILEO 4 Mobility
 FLAGSHIPS
 THOR
 HEAVEN
 H2Haul
 H2ME
 JIVE
 JIVE 2
 ZEFER
 FCH2RAIL
 StaSHH
 SAT GAM 2018
 FR8RAIL II
 FR8RAIL III
 FR8RAIL IV
 FINE-2
 X2RAIL-3
 X2RAIL-4
 PIVOT2
 REG GAM 2018
 SPARE
 TOD
 WINFRAME 4.0
 EESTEM
 cLeVER
 FRC GAM 2018
 TRAIL
 VOLT
 9eGEN
 EINSTAIN
 PROPCONEL
 EDEC
 ENG GAM 2018
 GAM-2020-ENG
 DEFLECT
 IMASAT
 MIDAS
 SYS GAM 2018
 NSLGP
 SCOPUS
 CoCoNut
 IMPERIAL
 INN-PAEK
 FRCDoorDemonstrator
 HEPODIS
 LightAir
 IOVISTAS VIRTEST
 NADia

ELCOCOS
 FITCoW
 WELTMAP
 GAM AIR 2018
 GAM-2020-AIR
 INTELLICONT
 ITEMB
 LPA GAM 2018
 HLFC 4.0
 ShipFC
 COSMHYC DEMO
 HyShip
 CoachHyfied
 PJ28 IAO
 GRADE
 DIGITS-AU
 ALBATROSS
 PJ38-W3-ADSCENSIO
 E-ferry
 LeanShips
 GreenCharge
 MEISTER
 HySeas III
 HyMethShip
 1000kmPLUS
 CEVOLVER
 SYS2WHEEL
 AUTOSHIP
 GasOn
 ECOCHAMPS
 HDGAS
 PORTIS
 IMPERIUM
 HERCULES-2
 ORCA
 THOMSON
 RotorDEMO
 ELECTRIC_AXLE
 GFF
 CIVITAS ECCENTRIC
 optiTruck
 C-Mobile
 ENABLEH2
 SELFIE
 ICT4CART
 AEROFLEX
 EVC1000
 TELL
 ASSURED
 STEVE
 COLHD
 GHOST
 LONGRUN
 SOLUTIONSplus
 SHOW
 INCIT-EV
 USER-CHI
 FASTWATER
 SeaTech
 eCharge4Drivers
 FLAMINGO
 LEONARDO
 REFLECTIVE
 MARBEL
 ALBATROSS
 ALMA
 HELIOS
 Current Direct
 URBANIZED
 PHOENICE

11.ANNEX 3 – STAKEHOLDERS IDENTIFIED

11.1. SUPPLY

The list below corresponds to all the entities that have been considered under the supply category. The total number of entities is 945.

"La Sapienza" University of Rome - POMOS (Pole for Sustainable Mobility) Dept.	AVILOO GMBH	CETMA - CENTRO DI RICERCHE EUROPEO DI TECNOLOGIE DESIGN E MATERIALI
2ELECTRON	AVL SOFTWARE AND FUNCTIONS GMBH	CEZ A.S.
3DBATTERY LTD	AVMAP	CHALMERS UNIVERSITY OF TECHNOLOGY
3LRobotics	AVT STOYE GMBH	CHAPS SPOL SRO
AAQIUS & AAQIUS SA	AVY BV	ChargePoint
AARHUS UNIVERSITET	Awake.AI	CI COMPOSITE IMPULSE GMBH & CO
ABB	AXEGAZ SA	Ciclogreen Move and Win S.L.
Acc Mobility	AZD PRAHA SRO	CIMARRON COMPOSITES LLC
ADATICA ENGINEERING SL	BAE SYSTEMS (OPERATIONS) LIMITED	CIMNE
ADD Technologies	Ballard Power Systems Europe A/S	Circ
ADDIONICS LTD	BASF SE	CIRCLE SPA
ADDVOLT SA	BE CHARGE S.R.L.	CIRCOMP GMBH
ADN CONTEXT - AWARE MOBILE SOLUTIONS SL	BECKER MARINE SYSTEMS GMBH	CIRCONTROL SA
ADVANCED INNOVATIVE ENGINEERING (UK) LIMITED	BE-MOBILE NV	CITYWAY
AELER TECHNOLOGIES SA	BENEVELLI SRL	CIXI
AERO CONSULTANTS AG	BESTMILE SA	CleanCar.io
AERO-MAGNESIUM LIMITED (A.C.S)	BIA POWER	CLEANTRON CLEANTECH BATTERIES CLEM'
AEROMECHS SRL	BigMile	CLEVER A/S
AeroMobil	BILLY BIKE	CLMS (UK) LIMITED
AGA AB (LINDE GROUP)	BIOWAY S.R.O.	CLUE TECHNOLOGIES SL
AGILE POWER SWITCH 3D INTEGRATION	BLACKSTONE TECHNOLOGY GMBH	COLLECTE LOCALISATION SATELLITES (CLS GROUP)
AIMSUN SL	Blinkee.city	Composite Research srl
AIR LIQUIDE SA	BLU ELECTONIC SRL	COMPOSITES ARAGON SL
AIRSEAS SAS	BLUE GRID GAS & POWER S.A. OF ENERGY	COMPOXI S.L.
AIRTEL ATN LIMITED	BLUEBUS (BLUE SOLUTIONS, BOLLORE GROUP)	CONNECTED KERB
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	BLUEDOT	CONOSHIP INTERNATIONAL BV
AKUO ENERGY SAS	BLUEWAYS INTERNATIONAL BVBA	CONTINENTAL AUTOMOTIVE GMBH
ALCATEL LUCENT (NOKIA)	BLYSTAD ENERGY MANAGEMENT AS	CORIMA TECHNOLOGIES
ALGRET INNOVATIONS LTD	BOC LIMITED (LINDE GROUP)	CORIOLIS COMPOSITES
ALKE SRL	BOUND4BLUE SL	CORTUS ENERGY AB
ALLEGO BV	BP CHARGEMASTER	COSMOTE MOBILE
ALTRAN	Breda University of Applied Sciences	TELECOMMUNICATIONS S.A.
ALTROCONSUMO EDIZIONI SRL	BRIGHTLOOP SAS	COVENTRY UNIVERSITY
ALTYS TECHNOLOGIES	BringAuto	COVESS NV
AMMINEX EMISSIONS TECHNOLOGY AS (FAURECIA)	BRNO UNIVERSITY OF TECHNOLOGY	CRANFIELD UNIVERSITY
ANEMOI MARINE TECHNOLOGIES LTD	BROADBIT BATTERIES OY	CRI EHF
ANSYS UK LIMITED	BRUSA ELEKTRONIK AG	CRYNORM SYSTEMS BV
ANT Maschinen GmbH	BULTACO MOTORS SL	CRYOSHELTER GMBH
APPLIED NANO SURFACES SWEDEN AB	BUNKERNET LTD	CTAG
AQUASONIC SL	BUSINOVA	CTLUP SRL
ARISTOTELIO PANEPISTIMIO	BUSUP TECHNOLOGIES SL	D2M-ENERGYTRANSIT
THESSALONIKIS	BUTAN PLIN CROATIA	D3 Technologies AG
ARISTOTELIO PANEPISTIMIO	C.I.R.A. CENTRO ITALIANO RICERCHE AEROSPAZIALI SCPA	DAEDALEAN AG
THESSALONIKIS - COMPUTER ENGINEERING DEPT.	C2C-NewCap	Dancer Bus
ARKEMA FRANCE SA	CaCharge	DANFOSS EDITRON OY
ARTIN SPOL. S.R.O.	CAETANO AERONAUTIC SA	DANMARKS TEKNISKE UNIVERSITET
ARTUS SAS (MEGGITT)	CALBATT SRL	DAPHNE TECHNOLOGY SA
ASCENDANCE Flight Technologies	CAPTAIN AI	DARETECH
ASE SPA	CARGOBEAMER AG	DATABEAON SL
ASKOLL EVA SPA	CARGONEXX	DAZETECHNOLOGY SRL
ASOCIACION CENTRO TECNOLOGICO CEIT	CARGOTEC OY	DB ENERGIE GMBH
ATAWEY	Carplane® GmbH	DBA LAB SPA
ATLANTIS IT SL	CEA - Commissariat à l'Energie Atomique et aux Energies Alternatives	DBH LOGISTICS IT AG
ATOM	CEGELEC SA (ACTEMIUM)	DecisionBrain
ATOS	CEIIA	DELORO WEAR SOLUTIONS GMBH
Auto Drive Solutions	CELLCIBUS	DENISSON ENERGY S.R.L
AUTOAID GMBH	CELLINT TRAFFIC SOLUTIONS LTD	DEPA SA
AUTOKAB SAS	CENEX - CENTRE OF EXCELLENCE FOR LOW CARBON AND FUEL CELL TECHNOLOGIES	DEUTSCHE TELEKOM AG
AUTOROUTES TRAFIC	CENTRO NACIONAL DEL HIDROGENO	DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV
AUVE TECH OUE	CENTRUM DOPRAVNIHO VYZKUMU v.v.i.	DIGITAL SYSTEM INTEGRATOR SRL
AVESTA BATTERY & ENERGY ENGINEERING	CEPSA	DINITECH GMBH
AVIA INGENIERIA Y DISEGNO	CEREUS TECHNOLOGY	DOLPROP INDUSTRIES AB
	CERTH-HIT	DRIVE SYSTEMS NV
	CETIL DISPENSING TECHNOLOGY S.L.	DRONAMICS
		DRONE-FUTURE BVBA
		DUBLIN CITY UNIVERSITY
		DUCKT

DUCKTRAIN	EVARM INNOVATION SL	GLEAM TECHNOLOGIES GMBH
DUFOUR AEROSPACE	EVBOX BV	GMVIS SKYSOFT SA
DYNAMIC E FLOW	EVE SYSTEM SAS	GOOPTI
DYNNIQ NEDERLAND BV	EVERFUEL EUROPE A/S	INTELLIGENTNE
E.GO MOOVE GMBH	EVERYSENS	TRANSPORTNE RESITVE DOO
E.ON	EVOLO	GORDIAN
EASE-LINK GMBH	EVOY AS	Green Communications SAS
EASYMILE SAS	FACHHOCHSCHULE	GREENFLUX ASSETS BV
EATON ELEKTROTECHNIKA SRO	NORDWESTSCHWEIZ	Greensight
Eccocar Sharing S.L.	FAIVELEY TRANSPORT ITALIA SPA	GREENSPIDER GMBH
ECHANDIA MARINE SWEDEN AB	(WABTEC)	GRUPA LOTOS SA
eCloud Company	FCP FUEL CELL POWERTRAIN GMBH	GRUPO DISA
ECO EOLIC TOP SYSTEM SL	FELYX	GRUPO ETRA
ECOLE POLYTECHNIQUE FEDERALE	Ferri Motorcycles	GTD SISTEMA DE INFORMACION SAU
DE LAUSANNE	FERROAMP	GULPLUG
ECOVOLVE	FIER Automotive BV	H2 ENERGY AG
EDF - ELECTRICITE DE FRANCE	FLUIDTIME DATA SERVICES GMBH	H2 MOBILITY GMBH
EDISON SPA	FLYZEN	H2FLY GMBH
EDP ENERGIA	FONDAZIONE BRUNO KESSLER	H2P SYSTEMS
EEBC - EUROPEAN ELECTRICAL BUS	FONDAZIONE LINKS	HACON INGENIEURGESELLSCHAFT
CO GMBH	FORDONSGAS SVERIGE AB	MBH
EESTI ENERGIA AS	FORESHIP OY	HAILO TECHNOLOGIES LTD
EFESTO	FORTUM OYJ	HALMSTAD UNIVERSITY
EH GROUP ENGINEERING SA	FORTUM SVERIGE AB	Hardt Hyperloop
EIDGENOSSISCHE TECHNISCHE	FRAUNHOFER VERKEHR	HEART AEROSPACE AB
HOCHSCHULE ZUERICH	FRAUNHOFER-CML	HEDNO SA
EIFER EUROPÄISCHES INSTITUT FÜR	FRAUNHOFER-IISB	Heilbronn University of Applied Sciences
ENERGIEFORSCHUNG EDF KIT EWIV	FRAUNHOFER-IMM	HEINZMANN GMBH & CO KG
EIFHYTEC	FRAUNHOFER-ISE	HELBIO S.A.
EINRIDE	FRAUNHOFER-ISI	HELIOX BV
ELAPHE POGONSKE TEHNOLOGIJE	FRAUNHOFER-ITWM	HELMHOLTZ-ZENTRUM GEESTHACHT
DOO	FRAUNHOFER-IVI	HEP D.D.
ELECTREON	FRAUNHOFER-LBF	HERA SPA
ELECTROCHAEA GMBH	FREEWAY SAS	HERE GLOBAL BV
ELECTROMAPS SL	FREQUENTIS AG	HEUSCH BOESEFELDT GMBH
Electronic Solutions (ELSOL)	FREUDENBERG FST GMBH	HEXAGON
ELEKTRO LJUBLJANA D.D.	FRIEDRICH-ALEXANDER-	HeyCharge GmbH
ELES DOO SISTEMSKI OPERATER	UNIVERSITAET	HITACHI EUROPE LIMITED
PRENOSNEGA	ERLANGEN-	HITACHI RAIL STS SPA
ELEKTROENERGETSKEGA OMREZJA	NUERNBERG	HIWITRONICS VERIEN ZUR
ELOGEN	FUELSAVE GMBH	UNTERSUCHUNG VON HI-FIDELITY
ELONROAD AB	FUNDACIO EURECAT	WIRELESS ELEKTRONIK-LOSUNGEN
ELRINGKLINGER GROUP	Fundacio Privada i2Cat	HOCHSCHULE FÜR TECHNIK UND
ELWAYS AB	FUNDACION AITIIP	WIRTSCHAFT DES SAARLANDES
EMINING AG	FUNDACION ANDALUZA PARA EL	HOLLAND CONTAINER INNOVATIONS
EMPA - EIDGENOSSISCHE	DESARROLLO AEROESPACIAL	NEDERLAND B.V.
MATERIALPRÜFUNGS- UND	FUNDACION CENTRO DE	HONEYWELL AEROSPACE
FORSCHUNGSANSTALT	TECNOLOGIAS AERONAUTICAS	Hrvatski Telekom d. d.
Encolinvest International SL - ECO-CARS	FUNDACION CIDAUT	HTREN FUEL SYSTEMS AS
ENDESA ENERGIA SA	FUNDACION CIDETEC	HUBJECT GMBH
ENEDIS SA	FUNDACION CIRCE CENTRO DE	HUBUP
ENEL GROUP	INVESTIGACION DE RECURSOS Y	HUG ENGINEERING AG
ENERGETSKI INSTITUT HRVOJE	CONSUMOS ENERGETICOS	Huvr Trek Group SL
POZAR	FUNDACION PARA LA INVESTIGACION,	HUYGENS ENGINEERS BV
ENERTIME SA	DESARROLLO Y APLICACION DE	HYBRID AIR VEHICLES LIMITED
ENEXIS NETBEHEER BV	MATERIALES COMPUESTOS (FIDAMC)	HYDROGENICS EUROPE
ENGIE	FUNDACION TECNALIA RESEARCH &	HYDROGENIOUS TECHNOLOGIES
ENGIE INEO	INNOVATION	GMBH
ENGIE LABORELEC	FUNDACION VALENCIAPORT	HYDRUS ENGINEERING LIMITED
ENI SPA	FUNKWERK SYSTEMS GMBH	HYGEAR BV
ENIDE SOLUTIONS SL	FURUNO FINLAND OY	HYGEN
ENOS D.D.	FUTURE PROOF SHIPPING BV	HYSILABS
ENVIAM	FZI FORSCHUNGSZENTRUM	HYTCHERS
ENVIRONMENTAL PROTECTION	INFORMATIK	I SEE MOBILITY GMBH
ENGINEERING SA	G.M.S. GLOBAL MARITIME SERVICES	I.M.A.S.T. - DISTRETTO
EOLY	LIMITED	SULL'INGEGNERIA DEI MATERIALI
EP TENDER	G4S TELEMATIX S.A.	POLIMERICI E COMPOSITI E
EPROINN SRL	GALILEO SATELLITE NAVIGATION	STRUTTURA SCARL
EQUINOR ENERGY AS	(GSN) LTD	IBERDROLA SAU
ERICSSON AB	GALP GAS NATURAL SA	IBIL SA
ERNEO	GARRETT MOTION	IBK-INNOVATION GMBH & CO. KG
ERTMS SOLUTIONS SPRL	GASPOL SA	IBM IRELAND LIMITED
ESI ITI GMBH	GASUM OY	ICELANDIC NEW ENERGY LTD
ESMART SYSTEMS AS	GAZELLE TECH	ICPE
ESSENCE Motorcycles	Gdansk University of Technology	I-DE REDES ELECTRICAS
ETREL SVETOVANJE IN DRUGE	GDYNIA Maritime University	INTELLIGENTESSA
STORITVE DOO	GECCO	IDEAS & MOTION SRL
E-TRUCKS EUROPE BVBA	GERTEK SOCIEDAD DE GESTIONES Y	IDIADA AUTOMOTIVE TECHNOLOGY
EURECOM	SERVICIOS SA	SA
EUROPEAN SUSTAINABLE	GERTRUDE SAEM	IDNEO TECHNOLOGIES SAU
PROPULSION	GESTION INTELIGENTE DE CARGAS	IEED VEDECOM
EUROTECH SP ZOO	SA	IESTA - INSTITUT FÜR INNOVATIVE
EVA (Electric Visionary Aircraft)	GEVAS SOFTWARE GMBH	ENERGIE
E-VAI SRL	GEYSER BATTERIES OY	STOFFAUSTAUSCHSYSTEME
	GIVENTIS INTERNATIONAL BV	IFP Energies nouvelles

IFSTTAR	KU LEUVEN	NAVLANDIS SL
IKEM - INSTITUT FUR KLIMASCHUTZ	Kurt.energy	NAVYA
ENERGIE UND MOBILITAT-RECHT,	KUWAIT PETROLEUM ITALIA SPA	NAWATechnologies
OKONOMIE UND POLITIK EV	LADAR LIMITED	Neander Shark GmbH
IKERLAN S. COOP	LANDI RENZO SPA	NEDGIA MADRID S.A. (GRUPO
ILS- Institut für Landes und	Laplandar	NATURGY)
Stadtentwicklungsforschung gGmbH	Last Mile Team	NEDSTACK FUEL CELL TECHNOLOGY
IM Efficiency	LEC GMBH	BV
IMEC	LECLANCHE SA	NEEL SP. ZOO
IMECAR ELEKTRONIK	LEONARDO SPA	NEL HYDROGEN AS
INCAS - National Institute for Aerospace	LEROUX ET LOTZ TECHNOLOGIES	NEOGLS
Research "Elie Carafoli"	LIEBHERR AEROSPACE	NEOPTERA LTD
INDRA SISTEMAS SA	LIEBHERR SA	NERVE SMART SYSTEMS APS
INEGI - INSTITUTO DE CIENCIA E	LIEWENTHAL ELECTRONICS LTD	NESTE OYJ
INOVACAO EM ENGENHARIA	LIGHTYEAR ONE	Nevomo
MECANICA E ENGENHARIA	LILIUM AVIATION	NEXEYA FRANCE
INDUSTRIAL	LINDE GMBH	NEXT Electric Motors
INERATEC GMBH	LINDHOLMEN SCIENCE PARK	NEXTANT APPLICATIONS &
INFORMATION TECHNOLOGY FOR	AKTIEBOLAG	INNOVATIVE SOLUTION SRL (NAIS)
MARKET LEADERSHIP	Link Campus University	NEXXTLAB SA
InfoTripla Oy	LINKOPINGS UNIVERSITET	NHP SRL
INGENIEURGESELLSCHAFT FUER	LIQUIND GMBH	NIMBER AS
AUTO UND VERKEHR GMBH	LIVEDRIVE	NLR - STICHTING NATIONAAL LUCHT-
INIT GROUP	LKR LEICHTMETALL	EN RUIMTEVAARTLABORATORIUM
INLECOM INNOVATION	KOMPETENZENTRUM RANSHOFEN	NOESIS SOLUTIONS NV
INNOGY SE (E.ON.)	GMBH	NOKIA SOLUTIONS & NETWORKS
INO8	LMAD - LAST MILE AUTONOMOUS	NOMMON SOLUTIONS AND
InstaFreight	DELIVERY	TECHNOLOGIES SL
INSTITUT MINES-TELECOM	LOGIT ONE NV	NORDCOM SPA
Institute for Innovative Technologies Ltd	LORTEK S COOP	NORDSOL
INSTITUTE METRON	LOTOS PALIWA SP Z.O.O.	NORDSYS GMBH
INSTITUTE OF COMMUNICATION AND	LUKASIEWICZ INSTITUTE OF AVIATION	NORSEPOWER OY LTD
COMPUTER SYSTEMS	LUNDS UNIVERSITET	NOVOTECH AEROSPACE ADVANCED
INTELLIGENT ENERGY LIMITED	Luxembourg Institute of Science and	TECHNOLOGY SRL
INTENS CORPORATION SRO	Technology (LIST)	NPROXX BV
INTERACTIVE FULLY ELECTRICAL	LUXOFT ITALY SRL	NTUA - NATIONAL TECHNICAL
VEHICLES SRL	MACQ SA	UNIVERSITY OF ATHENS
INTRACOM S.A. TELECOM SOLUTIONS	MAGMENT GmbH	NUWIEL GMBH
INVENT GMBH	MAGNETIC SYSTEMS TECHNOLOGY	NXP SEMICONDUCTORS
IO-DYNAMICS GMBH	LIMITED (MAGTEC)	NETHERLANDS B.V.
IONITY GMBH	MAGNUSS	O.M.T. - OFFICINE MECCANICHE
IPT TECHNOLOGY GMBH	MAHYTEC SARL	TORINO SPA
IREC - FUNDACIO INSTITUT DE	MAP TM	O2 CZECH REPUBLIC
RECERCA DE L'ENERGIA DE	MARIN - STICHTING MARITIEM	OECON PRODUCTS & SERVICES
CATALUNYA	RESEARCH INSTITUUT NEDERLAND	GMBH
IREN SPA	MARINE ENGINEERING SRL	OFFICE NATIONAL D'ETUDES ET DE
IRIZAR E-MOBILITY SL	Marine Performance Systems BV	RECHERCHES AEROSPATIALES
IRT ANTOINE DE SAINT EXUPERY	MARINE SERVICE GMBH	OFFSHORE NAVIGATION LTD
ISTANBUL OKAN UNIVERSITESI	MARLO AS	OLTIS GROUP A.S.
ISTITUTO INTERNAZIONALE DELLE	MARSEILLE GYPTIS INTERNATIONAL	OMV GROUP
COMUNICAZIONI (IIC)	MASH Energy ApS	ON ELECTRIC SHARING MOBILITY
ITACA SRL	MATERIALS CENTER LEOBEN	ONOMOTION GMBH
ITALIANA PETROLI SPA (GRUPPO API)	FORSCHUNG GMBH	OnTruck
ITM POWER PLC	Mavel Powertrain	OPEN TECHNOLOGY SERVICES AE
ITO WORLD LTD.	MAX PLANCK INSTITUT FUR	OPUS REMOTE SENSING EUROPE SL
IT'SUNLIMITED SYSTEMS	EISENFORSCHUNG GMBH	Öresundskraft AB
ENGINEERING BV TRADING AS NGENI	MAZARO NV	ORIBIKY
IZIVIA (GROUPE EDF)	MBN NANOMATERIALIA SPA	OTC ENGINEERING SOCIEDAD
JEMA ENERGY SA	MCPHY ENERGY	LIMITADA
JOHNSON MATTHEY PLC	MECAPROM	OTIV
Joulz Diensten B.V.	MEGGITT AEROSPACE LIMITED	OXEON AB
Journify	MET3R	OY LANGH TECH AB
JSC VEJO PROJEKTAI	METHANEX EUROPE SA	OY TURKU ENERGIA - ABO ENERGI AB
KAPSCH	MILESWAP	Oy Woikoski Ab
KARDINAL	MILEUS	P.G.A. ELECTRONIC
KAROS	MILLOR ENERGY SOLUTIONS SL	PANSA - POLSKA AGENCJA ZEGLUGI
KELAG KARNTNER ELEKTRIZITATS	Mob-Energy	POWIETRZNEJ
AKTIENGESELLSCHAFT	MOBLE SA	PARABOL
KENTKART EGE ELEKTRONIK AS	MOBIAG	ParkingMap
KEYOU GMBH	Mobimeo	PAROX ENERGY OU
KIDO DYNAMICS	Mobistreet	PASSION MOTORBIKE FACTORY SL
KIUNSYS (MUNICIPIA - GRUPPO	MOIA	PATENTEC AS
ENGINEERING)	MOLGAS ENERGIA SAU	Pavnext
KNORR-BREMSE SYSTEME FUR	Moovster	PAZTIR B.V.
SCHIENENFAHRZEUGE GMBH	MOSAIC FACTOR SL	PENSO LTD
KOLBERG CASPARY LAUTOM AS	MOTEG GMBH	PERS-EE
KONETIK	MOTIT WORLD SL	PETROL GROUP
KONGSBERG DIGITAL AS	MOVISTAR SA	PETROLEOS DE PORTUGAL -
KONGSBERG MARITIME AS	MULTITEL INNOVATION CENTRE	PETROGAL S.A.
Koninklijke KPN NV	MYFC AB	PEX
KONTRON TRANSPORTATION	NANOLIKE SAS	PHOENIX ISI
AUSTRIA AG	NANOSUN LIMITED	PILDO LABS WESSEX LTD
KRAFTHEM	NATURGY ENERGY GROUP SA	PIONIRA NV
K-RYOLE	NAVIGATO	PITPOINT CLEAN FUELS

PJ MESSTECHNIK GMBH	SHIFT Aviation Solutions Ireland	TEKNOLOGISK INSTITUT
PLACE TO PLUG	SHOTL	TELEFONICA SA
PLANET PLANUNGSGRUPPE ENERGIE	SIA DIGAS	TELENAVIS S.A.
UND TECHNIK GBR	SIEMENS AG	Teleport Mobility
PLUSERVICE SRL	SIEMENS INDUSTRY SOFTWARE	TEMAI INGENIEROS SL
POLITECNICO DI MILANO	SIEMENS MOBILITY GMBH	TERRAIN TECHNOLOGIES SL
POLITECNICO DI MILANO - DAER	SILENCE URBAN ECOMOBILITY	TEVVA MOTORS LIMITED
POLITECNICO DI TORINO	SILEX INDUSTRIAL AUTOMATION PLC	THALES GROUP
POLITECNICO DI TORINO - DIMEAS	SIMACAN BV	THYSSENKRUPP
POLITECNICO DI TORINO - E3 GROUP	SINTEF AS	COMPONENTS
POLYCOM PREDELAVA PLASTICNIH	SIQENS GMBH	TIER Mobility
MAS INORODJARSTVO SKOFJA LOKA	SIRRIS	TITAN LNG BV
DOO	SITI - Higher Institute on Territorial	T-MOBILE AUSTRIA GMBH
POWER SYSTEM TECHNOLOGY	Systems for Innovation	T-MOBILE CZECH REPUBLIC
PowerCell Sweden AB	SKELETON TECHNOLOGIES	TNO
POWERDALE NV/SA	SKYLIFE ENGINEERING SL	TOMTOM
POWERTECH SYSTEMS	Skymanics Europe	TOTAL SA
Poznan University of Technology	SKYPULL SA	TRACKS
PRAGMA INDUSTRIES FUEL CELLS	SLOT CONSULTING LTD	TRACTABEL-ENGIE SA
PRIMARINE GMBH (ERC GROUP)	SMART AIRPORT SYSTEMS	TRAFFIC TECHNIQUE SA
Prins Autogassystemen B.V.	Smart Cylinders	Transilvania University of Brasov
PRISMA ELECTRONICS SA	SMATRIS GMBH & CO KG	TRANSMETRICS AD
Privé S.r.l.	SOFICO	TRANSPOLIS
PROBUNKERS	SOFLEET (SYNOX)	TRANSPORT & MOBILITY LEUVEN NV
PRODEVELOP SL	SOFTECO SISMAT S.R.L. (ALGOWATT)	TRANSPORT SYSTEMS CATAPULT
PROMATECH	SOFTWARE AG	TRESOIL BIOFUELS SRL
TECHNOLOGIES	SOFTWHEEL LTD	TRILOBES BV
PROTASIS SA	SoHHytec	T-SYSTEMS INTERNATIONAL GMBH
PROTOM GROUP SPA	SOLBIAN ENERGIE ALTERNATIVE SRL	TTTECH GROUP
Proton Motor Fuel Cell GmbH	SOLMOVE GMBH	TU EINDHOVEN
PROTOTECH AS	SOLTEL IT SOLUTIONS	Tuireann Energy Ltd.
PTV AG	SOLUM	TURNN
QARIN BV	Solution F	TWI LIMITED
QOOLERS S.R.O.	Sono Motors	UBIGO INNOVATION AB
QUMAK SA	SOPHIA HIGH TECH SRL	ULTIMATE CELL LDA
QWELLO	SPEAR POWER SYSTEMS BV	UMICORE
R3 - RELIABLE REALTIME RADIO	SPIE SUD-EAST	Uneed.IT
COMMUNICATIONS GMBH	SPP A.S.	Universidad Autonoma de Madrid
R53 ENGINEERING	SSPA SWEDEN AB	Universidad Cardenal Herrera
RADISURF APS	Stadtwerke Bruneck – Azienda	Universidad Carlos III de Madrid
RDIUP	Pubbliservizi Brunico	Universidad Complutense de Madrid
REBELROAM OU	STADTWERKE NORDERNEY GMBH	Universidad de Alcalá
RED ELECTRICA DE ESPANA S.A.U.	STAM SRL	Universidad de Almería
RenCat Aps	STATENS VAG- OCH	Universidad de Burgos
Renovatio Asset Management SRL	TRANSPORTFORSKNINGSINSTITUT	Universidad de Cadiz
REPSOL SA	STATIONS-E	Universidad de Cantabria
RESCOLL	STATKRAFT HYDROGEN SWEDEN AB	Universidad de Cordoba
RHEINENERGIE AG	STEMMANN-TECHNIK GMBH	Universidad de Extremadura
RHEINISCH-WESTFAELISCHE	STENA RECYCLING AB	Universidad de Granada
TECHNISCHE HOCHSCHULE AACHEN	STORENGY	Universidad de Jaën
RHOE URBAN TECHNOLOGIES	STRATIO AUTOMOTIVE	Universidad de la Laguna
RISE RESEARCH INSTITUTES OF	STREAMDATA.IO (AXWAY)	Universidad de la Rioja
SWEDEN AB	SUBLIME Energie	Universidad de Las Palmas de Gran
ROAD CLOUD OY	SUMY	Canaria
ROBERT BOSCH GMBH	SUNSWAP	Universidad de Leon
ROLANDE BV	SUPER RADIO AS	Universidad de Malaga
ROOL'IN	SURFACE EFFECT SHIPS EUROPE AS	Universidad de Murcia
ROUTE220 SRL	(SES-X)	Universidad de Navarra
RUPTELA UAB	SURVE MOBILITY GMBH	Universidad de Salamanca
RYSE HYDROGEN LIMITED	SUSTAINABLE ENERGY AS	Universidad de Valladolid
SAAB TRASPONDERTECH AB	SWARCO	Universidad de Vigo
SAFE GREEN LOGISTICS A/S	SWESTEP AB	Universidad del País Vasco / Euskal
SAFRAN AEROTECHNICS	SWOBSEE GMBH	Herriko Unibertsitatea
SAFRAN ELECTRICAL & POWER	SWUGO	Universidad Europea
SAFRAN SA	SYCUBE	Universidad Francisco de Vitoria
SAFT	INFORMATIONSTECHNOLOGIE GMBH	Universidad Miguel Hernandez
SammeVei	SYMBIO	UNIVERSIDAD POLITECNICA DE
SAMSUNG SDI BATTERY SYSTEMS	SYSDADVANCE SISTEMAS DE	MADRID
GMBH	ENGENHERIA S.A.	UNIVERSIDAD POLITECNICA DE
SCANDINAOS AB	TANKTWO OY	MADRID - INSIA DEPT.
SCANDINAVIAN AVIONICS GREECE SA	TASS INTERNATIONAL MOBILITY	Universidad Rey Juan Carlos
SCHOLT ENERGY CONTROL BV	CENTER B.V. (SIEMENS)	Universidad San Pablo CEU
SCOOBIC	TECHNI-MODUL ENGINEERING	UNIVERSIDADE DE COIMBRA
SeaBee	TECHNISCHE UNIVERSITAET GRAZ	Universidade de Coruna
SEABILITY LTD	TECHNISCHE UNIVERSITAET ILMENAU	Università degli Studi della Basilicata
SEABUBBLES	TECHNISCHE UNIVERSITAET WIEN	Università degli Studi della Campania
SEAFLEX AB	TECHNISCHE UNIVERSITAT BERLIN	“Luigi Vanvitelli”
SELT AEROSPACE & DEFENCE	TECHNISCHE UNIVERSITEIT DELFT	Università degli Studi dell'Insubria
SEM SIGEIF MOBILITES	TECHNIUM AS (reTyre)	Università degli Studi di Brescia
SEM SRL - SMART ECO MOVING	TECHNO SYSTEM DEVELOPMENT SRL	Università degli Studi di Cassino e del
SENSEFIELDS SL	TECHNOLUTION BV	Lazio Meridionale
SENSIBLE 4 OY	TEKNO COMPOSITI SRL	Università degli Studi di Catania
SERVO MOVEMENT KFT	TEKNOLOGIAN TUTKIMUSKESKUS VTT	UNIVERSITA DEGLI STUDI DI FIRENZE
SHELL	OY	

UNIVERSITA DEGLI STUDI DI FIRENZE - DIE DEPT. Università degli Studi di Milano-Bicocca UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II Università degli Studi di Perugia Università degli Studi di Torino UNIVERSITA DEGLI STUDI GENOVA - DITEN Università degli Studi ROMA TRE Università di Bologna Università di Camerino Università di Parma Università di Pavia UNIVERSITA DI PISA Università LUISS Guido Carli UNIVERSITAET STUTTGAERT UNIVERSITAET ULM Universitat Abat Oliba CEU Universitat de Barcelona UNIVERSITAT DE GIRONA UNIVERSITAT DE GIRONA - AMADE Universitat de Lleida Universitat de Valencia Universitat de Valencia - LISITT Universitat Hamburg Universität Hildesheim Universitat Jaume I UNIVERSITAT POLITECNICA DE CATALUNYA UNIVERSITAT POLITECNICA DE CATALUNYA - FIB UNIVERSITAT POLITECNICA DE VALENCIA UNIVERSITAT POLITECNICA DE VALENCIA - CMT THERMAL ENGINES Universitat Pompeu Fabra Universitat Rovira i Virgili Universidad San Jorge UNIVERSITE DES SCIENCES ET TECHNOLOGIES DE LILLE - LILLE I	UNIVERSITEIT GENT UNIVERSITETET I OSLO University di Genova UNIVERSITY OF BATH University of Gothenburg University of Hertfordshire UNIVERSITY OF NOTTINGHAM-IAT UNIVERSITY OF PATRAS UNIVERSITY OF SOUTHAMPTON UNIVERSITY OF STRATHCLYDE University of Stuttgart UNIVERSITY OF SURREY University of Trás-os-Montes e Alto Douro UNIVERSITY OF TRENTO University of Worcester University of Zagreb Universotà di Siena Univrsidad de Zaragoza upBUS Urban Mobility Systems BV Urban Sharing URBEEZ Utrecht University of Applied Sciences UZE.energy VADECITY VALEO COMFORT AND DRIVING ASSISTANCE VELCO VEM SOLUTIONS SPA VEPLAS GROUP VERBUND AG VERKOR VESPUTI VESTEL ELEKTRONIK SANAYI VE TICARET ANONIM SIRKETI VIANOVA VIASERVICE SA VICUS DESARROLLOS TECNOLOGICOS SL VIMASOL E HIJOS SL VIRTUAL VEHICLE RESEARCH GMBH	VMZ BERLIN BETREIBERGESELLSCHAFT MBH Voi Technology VOLOCOPTER GMBH VOLTERO SAS Volvero VRIJE UNIVERSITEIT BRUSSEL VZLU - CZECH AEROSPACE RESEARCH CENTRE WAERTSILA GAS SOLUTIONS AS WARTSILA WATTO WE DRIVE SOLAR NL BV WESTCON POWER AUTOMATION AS WESTERN SYSTEMS OY Wind Mobility WIND TRE SPA WINSLIM SARL WORLDSENSING S.L.N.E. XELECTRIX POWER GMBH XEROLUTIONS SL XYZ Dynamics Yape YARA INTERNATIONAL ASA Západoslovenská energetika (ZSE) ZAPGO LTD ZEHUS SPA Zeleros ZEMISSION AB ZENTRUM FUR SONNENENERGIE-UND WASSERSTOFF-FORSCHUNG BADEN-WURTTEMBERG Zéphyr & Borée ZEPLUG Zepp.solutions B.V. ZET GMBH ZETA AUTOMOTIVE LTD ZOOV ZORLU ENERJI ELEKTRIK URETIM AS ZPARQ AB
---	---	--

11.2. DEMAND

The list below corresponds to all the entities that have been considered under the demand category. The total number of entities is 1023.

A. AGRATI SPA A/S FEMERN LANDANLÆG AB TRANSITIO ABB ABB TURBO SYSTEMS AG ABEKING & RASMUSSEN SCHIFFS-UND YACHTWERFT SE ABERDEEN CITY COUNCIL* ABERDEEN HARBOUR BOARD ABERDEENSHIRE COUNCIL Abertis Autopistas España S.A. ACB - AIR CARGO BELGIUM ACGB - ALUMINIUM RESERVOIRS ACITURRI ADIF - ADMINISTRADOR DE INFRAESTRUCTURAS FERROVIARIAS ADIF-ALTA VELOCIDAD ADRIA FER SRL AEFP - ASOCIACION DE EMPRESAS FERROVIARIAS PRIVADAS Aernnova Aerospace S.A.U. AERO KOMMUNE AeroMobil AEROSOFT SPA AERTEC SOLUTIONS SL AIR FRANCE SA AIR LIQUIDE SA Air Navigation Services of The Czech Republic AIR TRACTOR, INC. AIRBUS DEFENCE & SPACE AIRBUS HELICOPTERS	AIRBUS OPERATIONS AIRBUS SA AIRPORT NIKOLA TESLA BELGRADE AKIRA TECHNOLOGIES SARL ALEXELA ENERGIA AS ALKE SRL ALLIANDER NV ALLTOURS ALPHA TRAINS LUXEMBOURG S.A.R.L. ALSTOM TRANSPORT SA ALTRA SPA ALTROCONSUMO ANGLO BELGIAN CORPORATION ANTWERP EUROTERMINAL NV ANTWERP PORT AUTHORITY APDL – ADMINISTRAÇÃO DOS PORTOS DO DOURO LEIXÕES E VIANA DO CASTELO S.A APL - Administração do Porto de Lisboa SA APRAM - ADMINISTRAÇÃO DOS PORTOS DA REGIÃO AUTÓNOMA DE MADEIRA SA APSS - ADMINISTRAÇÃO DOS PORTOS DE SETÚBAL E SESIMBRA S.A. AREA METROPOLITANA DE BARCELONA ARGONON SHIPPING B.V. (DEEN SHIPPING) Arista Shipping S.A. ARISTOTELIO PANEPITIMIO THESSALONIKIS	Arnhem Municipality ARRIVA BUS UK ARRIVA PERSONENVERVOER NEDERLAND B.V. ARRIVAL LIMITED AS TALLINK GRUPP AS TALLINNA SADAM ASCO INDUSTRIES N.V. ASFA - Association des Sociétés Françaises d'Autoroutes ASKOLL EVA SPA ASOCIACION AEDIVE ASOCIACION CLUSTER DE MOVILIDAD Y LOGISTICA DE EUSKADI ASOCIATIA DE DEZVOLTARE INTERCOMUNITARA ZONA METROPOLITANA CONSTANTA ASOCIATIA GAZULUI NATURAL PENTRU VEICULE- NGVA Associated British Ports Association des Consommateurs Test-Achats SCRL ASSOCIATION EUROPEENNE DES FOURNISSEURS AUTOMOBILES ASSOCIATION EUROPEENNE DES VEICULES ELECTRIQUES ROUTIERS ASSTRA – Associazione Trasporti ASTILLEROS ARMON SA ASTILLEROS DE SANTANDER SA ATC FRANCE ATHENS INTERNATIONAL AIRPORT S.A. ATHINAIKI METAFORIKI S.A.
--	---	--

Attica Ferries Maritime Company	BORGWARNER GMBH	COMUNE DI VERONA
AUDI AG	BOZANKAYA OTOMOTIV MAK IMALAT	CONFETRA SERVIZI SRL
AUSTRIATECH - GESELLSCHAFT DES BUNDES FÜR TECHNOLOGIEPOLITISCHE MASSNAHMEN GMBH	ITH VE IHR ANONIM SIRKETI	CONNEXION NV
AUSTRO CONTROL OSTERREICHISCHE GESELLSCHAFT FÜR ZIVILLUFTFAHRT MBH	BPOST	Conseil Régional Auvergne-Rhône-Alpes
AUTOBAHNEN- UND SCHNELLSTRASSEN-FINANZIERUNGS-AKTIENGESELLSCHAFT	Breda University of Applied Sciences	Consejería de Fomento e Infraestructuras de la Región de Murcia (Ministry of Public Works and Infrastructure)
AUTORIDAD PORTUARIA DE BALEARES	Breuckmann eMobility	CONSORCIO REGIONAL DE TRANSPORTES PUBLICOS
AUTORIDAD PORTUARIA DE BARCELONA	BRIGHTON & HOVE BUS AND COACH COMPANY LIMITED	REGULARES DE MADRID
AUTORIDAD PORTUARIA DE FERROL-SAN CIBRAO	BRITISH AIRWAYS PLC	CONSORZIO ZAI
AUTORIDAD PORTUARIA DE LA BAHIA DE ALGECIRAS	BRITTANY FERRIES	CONSTELLIUM UK LIMITED
AUTORIDAD PORTUARIA DE VALENCIA	BRUGG ROHR AG	CONTINENTAL AUTOMOTIVE GMBH
Autorità di Sistema portuale del Mar Ligure Occidentale	Brussels Capital Region - Brussels Mobility	CONTINENTAL RAIL S.A.U.
Autorità di Sistema Portuale del Mar Tirreno Settentrionale	BUDAPEST FOVAROS	COOPERATION POUR LE DEVELOPPEMENT ET L'AMELIORATION DU TRANSPORT URBAIN ET PERIURBAIN
Autorita' di Sistema Portuale del Mare Adriatico Centrale	BULATSA - BULGARIAN AIR TRAFFIC SERVICES AUTHORITY	CORREOS SA
Autorità di Sistema Portuale del Mare Adriatico centro-settentrionale	Bulgarian Ports Infrastructure Company	COSTA CROCIERE SPA
Autorità di Sistema Portuale del Mare Adriatico Orientale	Bundesanstalt für Straßenwesen	COSTIERO GAS LIVORNO SPA
Autorità di Sistema Portuale del Mare Adriatico Settentrionale	BURSA BUYUKSEHIR BELEDIYESI	COSTRUZIONI AERONAUTICHE
AUTORITA PORTUALE DEL MAR LIGURE ORIENTALE	BUSINOVA	TECNAM SPA
AUTOSTRADA DEL BRENNERO SPA	CA DE L'AUXERROIS	COUNCIL OF REGION BRITTANY
AVENTICS GMBH	CAETANOBUS	COUNCIL OF VIGO
AVIO AERO SPA	CAF - Construcciones y Auxiliar de Ferrocarriles, S.A.	CP - COMBOIOS DE PORTUGAL EPE
AVL LIST GMBH	Calais Promotion - Association pour le développement Économique du Pays du Calaisis	CPK - CENTRALNY PORT KOMUNIKACYJNY (SOLIDARITY TRANSPORT HUB)
AYUNTAMENT DE BARCELONA	Calvera Group	CROATIA AIRLINES
AYUNTAMIENTO DE BILBAO	CAMARA MUNICIPAL DE LISBOA	CSP IBERIAN VALENCIA TERMINAL SAUSA
AYUNTAMIENTO DE CALVIA	CAPITAL-EXECUTIVE SHIP MANAGEMENT CORP	Cyprus Ports Authority
AYUNTAMIENTO DE MADRID	CAPTAIN ESPANA S.A.U	DAF TRUCKS NV
AYUNTAMIENTO DE MALAGA	CAPTAIN ITALIA SRL	DAIMLER AG
AYUNTAMIENTO DE MURCIA	CARNIVAL CORPORATION & PLC	DAMEN BV
AYUNTAMIENTO DE VALENCIA	CARROSSERIE HESS AG	DANA TM4 ITALIA
AYUNTAMIENTO DE ZARAGOZA	CD CARGO A.S.	Dancer Bus
AZIENDA VENEZIANA DELLA MOBILITA SPA	CEREMA	DANFOSS EDITRON OY
BAE SYSTEMS (OPERATIONS) LIMITED	Ceska republika – Ministerstvo dopravy	DANISH MARITIME AUTHORITY
BAETSEN VERHUUR BV	CESKE DRAHY A.S.	DANISH ROAD DIRECTORATE
BALEARIA EUROLINEAS MARITIMAS S.A.	CESKE PRISTAVY A.S.	DASSAULT AVIATION
BALLERUP KOMMUNE	CFR SA	DB CARGO AG
BANEDANMARK - RAIL NET DENMARK	CFT - COMPAGNIE FLUVIALE DE TRANSPORT (SOGESTRAN GROUP)	DB NETZ AG
BARCELONA DE SERVEIS MUNICIPALS SA	Chambre de Commerce et d'Industrie de Caen Normandie	DCP DUTCH CARGO PURCHASE BV
Basque Government - Traffic Directorate	Chambre de Commerce et d'Industrie de Morlaix	DE VLAAMSE WATERWEG
BATZ SOCIEDAD COOPERATIVA	CHANTIERS DE L'ATLANTIQUE	DECO ASSOCIATION
Bayernhafen GmbH & Co. KG	ChargePoint	DELLA BERNARDINA FLLI SRL
BCT - Baltic Container Terminal Sp. z o.o.	CHEP ESPANA SA	DEMA SPA
BENEVELLI SRL	CIFA SPA	Département de l'Isère
BENTELER INTERNATIONAL AG	Città di Lucca	Department for Infrastructure Northern Ireland
BERNHARD SCHULTE SHIPMANAGEMENT	City of Amsterdam	Department for Transport (UK)
BETAMOTOR SPA	CITY OF BRATISLAVA	Department of Transport (Ireland)
BIRMINGHAM CITY COUNCIL	CITY OF BRNO	DETROIT ELECTRIC GROUP
BLUE GRID GAS & POWER S.A. OF ENERGY	City of Ghent	DEUTSCHE BAHN AG
BLUE LINE LOGISTICS NV	City of Graz	DEUTSCHE LUFTHANSA AKTIENGESELLSCHAFT
BLUEBUS (BLUE SOLUTIONS, BOLLORE GROUP)	CITY OF KOUVOLA	DEUTZ AG
BMK - Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology	CITY OF LJUBLJANA	DFDS A/S
BMVI - Bundesministerium für Verkehr und digitale Infrastruktur	CITY OF OSJEK	DFS DEUTSCHE FLUGSICHERUNG GMBH
BMW GROUP	City of Stockholm	DHL FREIGHT GMBH
BOEING	CITY OF TURKU	DIANA SHIPPING SERVICES SA
BOLLORE PORTS	CITY OF ZAGREB	DIEHL AVIATION GMBH
BOLUDA CORPORACION MARITIMA S.L.	CMA CGM S.A.	DINEX ECOCAT OY
BOMBARDIER TRANSPORTATION	CMTIR TRANSPORTES NACIONAIS E INTERNACIONAIS S.A.	DIRECCIÓN GENERAL DE CARRETERAS - MINISTERIO DE TRANSPORTES MOVILIDAD Y AGENDA URBANA
BORDEAUX METROPOLE	CNH INDUSTRIAL	DIRECCIÓN GENERAL DE LA MARINA MERCANTE
	COLAS	DIRECCION GENERAL DE TRAFICO - MINISTRY OF INTERIOR
	COLRUYT GROUP	DIRECTION DES SERVICES DE LA NAVIGATION AERIENNE
	COMBINED CARGO TERMINAL BV	DISTRIBUTORI ECOS SRL
	COMMUNAUTE D'AGGLOMERATION DE VERSAILLES GRAND PARC	D-LOG Transportes LDA
	COMMUNAUTE D'AGGLOMERATION SARREGUEMINES CONFLUENCES	DOLDERMAN BV
	COMMUNAUTE DE COMMUNES	DONEGAL COUNTY COUNCIL
	TOURAIN VALLEE DE L'INDRE	DOUROGAS SA
	COMUNE DI FIRENZE	DRAGAGES-PORTS
	COMUNE DI GENOVA	DUFOUR AEROSPACE
	COMUNE DI MILANO	Duisburger Hafen AG (DUISPORT)
	Comune di Palermo	
	COMUNE DI TORINO	
	COMUNE DI TRIESTE	
	COMUNE DI VENARIA REALE	

DUNDEE CITY COUNCIL	FRENI BREMBO SPA	HERNING KOMMUNE
EASYJET AIRLINE COMPANY LIMITED	FUORIMURO - SERVIZI PORTUALI E	Hessen Mobil - Straßen- und
EATON ELEKTROTECHNIKA SRO	FERROVIARI S.R.L.	Verkehrsmanagement
E-DISTRIBUZIONE SPA	FUTURE PROOF SHIPPING BV	HEULIEZ BUS
EEIG Atlantic Corridor	GARDNER DENVER LIMITED	HEVIZ-BALATON AIRPORT
EEIG Baltic-Adriatic Corridor	GAS NETWORKS IRELAND	HGM ENERGY GMBH
EEIG Corridor Rhine-Alpine EWIV	GAS2MOVE SL (LLEWO)	HIGAS SRL
EEIG ERTMS USERS GROUP	GASFIN SA	HITACHI EUROPE LIMITED
EESTI RAUDTEE	GASNAM	HITACHI RAIL STS SPA
EGILE MECHANICS SL	GAVLE HAMN AB	HONDA R&D EUROPE (DEUTSCHLAND)
EIDESVIK SHIPPING AS	GAZELLE TECH	GMBH
EIDSVAAG AS	GAZOCEAN	HUNGAROCNTRON ZRT.
ELENGY SA	GCA LOGISTIQUE	HUPAC INTERMODAL NV
ELRINGKLINGER GROUP	Gdansk University of Technology	HUTCHINSON SA
ELRON	GDYNIA Maritime University	HUTCHISON PORTS VENLO
EMEL – Empresa Municipal de Mobilidade	GE AVIATION LIMITED	HyCologne - Wasserstoff Region
e Estacionamento de Lisboa	GEMEENTE EINDHOVEN	Rheinland e.V.
Emerald Green Maritime Limited (MITSUI	GEMEENTE HELMOND	HYDROGEN EUROPE
OSK LINES LTD)	Gemeente Nijmegen	HYDROGEN SWEDEN
EMPRESA MARTIN S.A. (GRUPO RUIZ)	GEMEENTE TERNEUZEN	HYPE-STEP
EMPRESA MUNICIPAL DE	General Directorate for National Roads	HYSOLUTIONS GMBH
TRANSPORTES DE MADRID SA	and Motorways	HYSTER-YALE EUROPE
ENAGAS SA	GEVEKE WERKTUIGBOUW BV	HYUNDAI EUROPE
ENAIRE	GEVEN SPA	HŽ INFRASTRUKTURA d.o.o.
ENAV SPA	GILBERT DE CLERCQ NV	IBERIA LINEAS AEREAS DE ESPANA SA
ENTE VASCO DE LA ENERGIA	GKN AEROSPACE SWEDEN AB	OPERADORE
E-PORT-LINER HOLDING BV	GKN DRIVELINE INTERNATIONAL	ICCT - INTERNATIONAL COUNCIL ON
EQUINOR ENERGY AS	GMBH	CLEAN TRANSPORTATION EUROPE
ERMewa SA	GLOBAL MARITIME ENTERPRISES LTD	GGMBH
ERTICO-ITS EUROPE	GO4 SRO	ICLEI EUROPEAN SECRETARIAT GMBH
E-SHUTTLE GMBH	GOMORE APS	IGOUMENITSA PORT AUTHORITY SA
ESK SA	GOODRICH ACTUATION SYSTEMS	ILIADIS CARGO SA
ESL SHIPPING LTD	GOTEBORGS HAMN AB	INDUSTRIA DE TURBO PROPULSORES
ESSENCE Motocycles	GOTEBORGS KOMMUN	S.A.U.
E-TRUCKS EUROPE BVBA	Grad Zadar	INECO S.A.
EUROCITIES ASBL	GRAF SPA	INFINEON TECHNOLOGIES AG
EUROPEAN FERRY COMPANY	GRAND PORT MARITIME DE	INFRAEL SA
(INTERFERRY)	BORDEAUX	INFRAESTRUTURAS DE PORTUGAL SA
EUROPEAN HYDROGEN ASSOCIATION	GRAND PORT MARITIME DE	INFRASTRUCTURE MALTA
EUROPEAN PASSENGERS'	DUNKERQUE	INGENIERIA TECNICA DEL
FEDERATION IVZW	GRAND PORT MARITIME DE	TRANSPORTE TRIA SA
EUROPEAN SHIPPERS' COUNCIL	MARSEILLE	INNIO JENBACHER GMBH & CO OG
EUROPORT RAUMA OY	Grand Port Maritime de Nantes Saint-	Intelligent Transport Systems Romania –
EUROVIA MANAGEMENT	Nazaire	ITS Romania
EVEKTOR SRO	Grand Port Maritime de Rouen	INTERNATIONAL ROAD FEDERATION
EWTC - East West Transport Corridor	GRAND PORT MARITIME DU HAVRE	INTERPORTO BOLOGNA S.P.A.
Association	GREEN CARGO AB	INTERPORTO DI VADO V.I.O. SPA
EXMAR MARINE	GREEN TOMATO CARS LIMITED	INTERPORTO PADOVA S.P.A.
F LLI CODOGNOTTO DI CODOGNOTTO	GREENWAY INFRASTRUCTURE S.R.O.	Interregional Alliance for the Rhine-Alpine
GIANFRANCO&C SNC	Grenoble-Alpes Métropole	Corridor EGTC
FAIVELEY TRANSPORT ITALIA SPA	GRIMALDI DEEP SEA SPA	INVERSORA MELOFE SL
(WABTEC)	GRIMALDI EUROMED SPA	IRIZAR E-MOBILITY SL
FAURECIA	GROUP ARRIVA SLOVENIA	IRIZAR S COOP
FCA SPA (now STELLANTIS)	GROUP SAMAT S.A.	IRU - INTERNATIONAL ROAD
FEDERATION INTERNATIONALE DE	GROUPE GALERIES LAFAYETTE	TRANSPORT UNION
L'AUTOMOBILE	GROUPE PSA (now STELLANTIS)	ISRAEL AEROSPACE INDUSTRIES LTD.
Fenris Motorcycles	GRUPA LOTOS SA	(IAI)
FERGUSON MARINE ENGINEERING	GRUPO ALONSO	i-Trans - Association "Transports
LTD	GRUPO DISA	Terrestres Promotion"
FERROVIAL CORPORACION S.A.	GRUPO HAM	ITS MOBILITY GMBH
FERROVIENORD SPA	GRUPO RENFE SA	ITS SPAIN
FEV EUROPE	GRUPO SOUSA SGPS	IVECO SPA
FINCANTIERI SPA	GRUPO TORO & BETOLAZA	J.A.M DE RIJK B.V.
FINNLINES PLC	Gruppo Torinese Trasporti S.P.A.	JAC ITALY DESIGN CENTER SRL (JAC
Flemish Agency for Roads and Traffic	GTAX RAIL AUSTRIA GMBH	MOTORS)
FLEMISH GOVERNMENT - DEPT. MOW	GVB ACTIVA BV	JACKY PERRENOT
FLOYD ZRT.	HALLANDSTRAFIKEN	Jaguar Land Rover
FLUGHAFEN STUTTGART GMBH	HAMBURGER HOCHBAHN AG	JIHOSTROJ AS
(STUTTGART AIRPORT)	HANS LEHMANN KG	JOHN DEERE FORESTRY OY
FM LOGISTIC	HAROPA GIE	JSC VEJO PROJEKTAI
FMN SPA	HAVI LOGISTICS UNIPessoal LDA	KARLSHAMNS HAMN AB
FOKKER TECHNOLOGIES HOLDING BV	HEART AEROSPACE AB	KAUTEX TEXTRON
FORD MOTOR	HEATHROW AIRPORT LIMITED	KLAIPEDOS MIESTO SAVIVALDYBES
FORD OTOMOTIV SANAYI ANONIM	HECTOR RAIL AB	ADMINISTRACIJA
SIRKETI	Heilbronn University of Applied Sciences	KLAIPEDOS NAFTA SC
FORSCHUNGSVEREINIGUNG	HEINZMANN GMBH & CO KG	KNORR-BREMSE SYSTEME FUR
SCHIFFBAU UNDMEEERESTECHNIK E.V.	HELLENIC AEROSPACE INDUSTRY SA	SCHIENENFAHRZEUGE GMBH
FORSEA FERRIES	HELLENIC ASSOCIATION OF TOLL	KNUTSEN OAS ESPANA SL
FPT INDUSTRIAL	ROAD NETWORK - HELLASTRON	KNV - KONINKLIJK NEDERLANDS
FRAIKIN FRANCE	HELLENIC PETROLEUM	VERVOER
FRANCE MANCHE AS - EUROTUNNEL	Hellenic Seaways Maritime S.A.	KOBENHAVNS KOMMUNE
(GETLINK GROUP)	Hellenic Shortsea Shipowners Association	KOEDOOD DIESELSERVICE BV
FRED.OLSEN, S.A.	HELSINGBORG HAMN AB	KOMBIVERKEHR GMBH
FREIE HANSESTADT BREMEN	Heraklion Port Authority S.A.	KONECRANES

KONGSBERG MARITIME AS	Ministério das Infraestruturas e da Habitação (MIH)	NORTH EAST SCOTLAND TRANSPORT PARTNERSHIP
KONIG METALL GMBH CO KG	MINISTERIO DE FOMENTO	NORTH SEA PORT NV
KOSAN CRISPLANT A/S	Ministério do Planeamento e das Infraestruturas	NORTH SEA SHIPPING AS
KOTUG INTERNATIONAL BV	MINISTERO DELLE INFRASTRUTTURE E DEI TRASPORTI	NORWEGIAN COASTAL ADMINISTRATION
KOUKOUZELIS A.S. & SIA E.E.	Ministrstvo za infrastrukturo (Ministry of Infrastructure)	NORWEGIAN PUBLIC ROADS ADMINISTRATION
KUEHNE+NAGEL AG	Ministry for ecological Transition - Ministry of Transport - MTE	NOVA AIRLINES AB
KUWAIT PETROLEUM ITALIA SPA	Ministry for Innovation and Technology (Hungary)	NRIC - National Railway Infrastructure Company
LA COMPOSITE SRO	Ministry for Transport & Infrastructure of Malta	NSB GROUP
LAER SPA	MINISTRY OF DEVELOPMENT AND INVESTMENTS GREECE	NUOVO PIGNONE (BAKER HUGHES)
LANDESHAUPTSTADT DRESDEN	Ministry of Economic Affairs and Communications of the Republic of Estonia	NVR - Zweckverband Nahverkehr Rheinland
LANDESHAUPTSTADT MUENCHEN	Ministry of Economy, Infrastructure, Maritime and Tourism	ÖBB-Infrastruktur AG
LANDI RENZO SPA	MINISTRY OF INFRASTRUCTURE AND TRANSPORT GREECE	OBŠTINA RUSE
LANGH GROUP OY AB	MINISTRY OF INFRASTRUCTURE SWEDEN	OFFICINE MECCANICHE IRPINE SRL
LATECOERE SA	MINISTRY OF TRANSPORT AND COMMUNICATION OF FINLAND	OGP GAZ SYSTEM S.A.
Lavar Shipping Co. Ltd	Ministry of Transport and Communications of the Republic of Lithuania	OMPI SRL
LCA LOGISTIK CENTER AUSTRIA SUD GMBH	Ministry of Transport of the Republic of Latvia	Organisation of Consumers and Users (OCU)
LDZ - LATVIJAS DZELZCELS	Minoan Lines Shipping S.A.	ORKNEY ISLANDS COUNCIL
LEONARDO SPA	MOBILITY MOTORS SWEDEN AB	OSLO KOMMUNE
LETOVE PŘEVADZKOVE SLUZBY SLOVENSKEJ REPUBLIKY, STATNY PODNIK	Møller Mobility Group	OTOKAR OTOMOTIV VE SAVUNMA SANAYI AS
LHG - Lübecker Hafen-Gesellschaft mbH	MONFORT LOGISTICA S.L.	OV-BUREAU GRONINGEN EN DRENTHE
LIEBHERR SA	MOTEG GMBH	Oxelösunds Hamn AB
LIEBHERR AEROSPACE	MOTHERSON GROUP	PATENTES TALGO SL
LILIUM AVIATION	MSE INTERNATIONAL	Patras Port Authority S.A.
LINDE AG	MT-PROPELLER ENTWICKLUNG GMBH	PAU BEARN PYRENEES MOBILITES
LINEAS N.V./S.A.	MTU AERO ENGINES AG	PCDC - PIRAEUS CONSOLIDATION AND DISTRIBUTION CENTER
Link Campus University	MTU FRIEDRICHSHAFEN GMBH	PD Teesport Limited
LIQUIMET SPA	Multi-Link Terminals Ltd Oy	PELLENC GROUP
LIQVIS GMBH	MUNICIPALITY OF CELJE	PEUGEOT MOTOCYCLES
LKAB	MUNICIPALITY OF EILAT	PIAGGIO & C.S.P.A.
LMG MARIN	MUNICIPALITY OF KOPER	PIAGGIO AERO INDUSTRIES SPA
LNG CROATIA LLC	MUNICIPALITY OF LAVREOTIKI	PIERBURG GMBH
LOGITREN FERROVIARIA SA	MUNICIPALITY OF SOSTANJ	PIPISTREL AIRCRAFT
LOHR ELECTROMECHANIQUE	Município do Fundão	PIRAEUS CONTAINERS TERMINAL SA
London Buses Services LTD	MUNICIPIU RESEDINTA DE JUDET CONSTANTA	PIRAEUS EUROPE ASIA RAIL LOGISTICS, S.A. (PEARL S.A.)
LOTOS PALIWA SP Z.O.O.	MUTUALISTA AÇOREANA - TRANSPORTES MARÍTIMOS S.A.	PIRAEUS PORT AUTHORITY S.A.
LUBECK PORT AUTHORITY	MZA SP. Z.O.O.	PIRELLI
LUFTFARTSVERKET	National Company for Road Infrastructure Administration	PKM PRZEDSIĘBIORSTWO KOMUNIKACJI MIEJSKIEJ SP Z.O.O.
Luleå Hamn AB	National Company Maritime Ports Administration SA Constanta	PKP CARGO INTERNATIONAL A.S.
LUX EXPRESS	NATS (EN ROUTE) PUBLIC LIMITED COMPANY	PKP POLSKIE LINIE KOLEJOWE S.A.
MACHINEFABRIEK BOLIER BV	NAVAL GROUP	PLASTIC OMNIUM ADVANCED INNOVATION AND RESEARCH PLUS METAFORIKI IKE
MADRID CALLE 30 S.A.	NAVANTIA SA	PMC PERSONAL MOBILITY CENTER
Magna Powertrain Engineering Center Steyr GmbH & Co KG	NCE MARITIME CLEANTECH	NORDWEST EG
MAGNA STEYR AG	Neander Shark GmbH	POLFERRIES SA
MAGNAGHI AERONAUTICA SPA	Neoptera Aero	POLIS - PROMOTION OF OPERATIONAL LINKS WITH INTEGRATED SERVICES, ASSOCIATION INTERNATIONALE
MAGNETIC SYSTEMS TECHNOLOGY LIMITED (MAGTEC)	Neptune Lines Shipping & Managing Enterprises S.A.	POLITECNICO DI MILANO
MAGYAR MAGÁNVASÚT ZRT.	NETHERLANDS MARITIME TECHNOLOGY	POLITECNICO DI TORINO
MAHLE INTERNATIONAL GMBH	NETWORK RAIL INFRASTRUCTURE LIMITED	POLSKIE ZAKŁADY LOTNICZE
MALMO STAD	NEWCASTLE CITY COUNCIL	PON POWER BV
MALTA AIR TRAFFIC SERVICES LIMITED	NEXT Electric Motors	PORSCHE AG
MAN ENERGY SOLUTIONS SE	Niedersächsisches Ministerium für Wirtschaft, Arbeit, Verkehr und Digitalisierung	PORT AUTHORITY OF BILBAO
MAN TRUCK & BUS SE	NIESTERN-SANDER REPARATIE BV	PORT AUTHORITY OF CARTAGENA
MARELLI EUROPE SPA	NISSAN EUROPE	PORT AUTHORITY OF GJON
MARFLET MARINE INTERNATIONAL SA	NMBS/SNCB NV/SA	PORT AUTHORITY OF HUELVA
Maritime Technology Cluster FVG S.c.a.r.l.	NOMAGO D.O.O.	PORT AUTHORITY OF MELILLA
Mavel Powertrain	NOORD-HOLLAND	PORT AUTHORITY OF RAFINA SA
MECAPROM	NORDIC RE-FINANCE AB	Port Authority of Santa Cruz de Tenerife
MEDITERRANEAN RAIL FREIGHT CORRIDOR	NORD-MICRO GMBH & CO OHG	PORT AUTHORITY OF SEVILLE
MEDWAY – OPERADOR FERROVIÁRIO DE MERCADORIAS S.A.	NORLED AS	PORT AUTHORITY OF TARRAGONA
MEGGITT AEROSPACE LIMITED		PORT AUTHORITY OF VIGO
MERCEDES-BENZ AG		PORT AUTONOME DE STRASBOURG
MERCEDES-BENZ TURK AS		PORT OF ANTWERP
MERCITALIA INTERMODAL SPA		PORT OF BILBAO AUTHORITY
MERCITALIA RAIL SRL		Port of Cork Company
MERITAITO OY (ARCTIA)		PORT OF FREDERIKSHAVN
MESTNA OBCINA VELENJE		PORT OF GDYNIA AUTHORITY SA
Métropole - Aix - Marseille - Provence		PORT OF HAMINA KOTKA LTD
METROPOLE DE LYON		PORT OF HELSINKI LTD
MEYER WERFT PAPPENBURG GMBH & CO KG		PORT OF KOPER
MICHELIN		
Ministère de la Mobilité et des Travaux Publics-MMTP		
Ministerie van Infrastructuur en Milieu		
Ministerie van Infrastructuur en Waterstaat - Rijkswaterstaat		

Port of Moerdijk N.V.	SAGGAS SA	STENA LINE SCANDINAVIA AB
PORT OF NAANTALI LTD	SAM ALGECIRAS SL	STENA REDERI AB
Port of Raabe Ltd	SANEF SA	STEYR MOTORS GMBH
PORT OF ROTTERDAM	SAN-JOSE LOPEZ S.A.	STOCKHOLM SKAVSTA FLYGPLATS AB
PORT OF TURKU LTD	SANTANDER PORT AUTHORITY	STOCKHOLMS HAMN AB
PORT OF YSTAD	SANTIERUL NAVAL DAMEN GALATI SA	STOCKHOLMS STAD
PORT OF ZEEBRUGGE	SANTOS & VALE LDA	STOLT NIELSEN LTD
PORTO ANTICO DI GENOVA SPA	SAPA GROUP SPA	STRAETO BS
PORTOS DOS AÇORES S.A.	SAS DUNKERQUE LNG	Strasbourg Eurometropole
PORTS OF NORMANDY	SASA SPA AG SOCIETA AUTOBUS	SUARDIAZ GROUP
PORTSMOUTH INTERNATIONAL PORT	SERVIZID'AREA SPA	SUMY
Poznan University of Technology	SCALE GAS SL	SVEALANDSTRAFIKEN AB
PRIMAFRIO SL	SCANDINAOS AB	SVITZER A/S
PROBUNKERS	SCANDLINES GEDSER-ROSTOCK APS	SWDAVIA AB
PRORAIL BV	SCANIA AB	SWEDISH MARITIME ADMINISTRATION
PROVINCE OF LIMBURG	SCHAEFFLER TECHNOLOGIES AG & CO. KG	SWEDISH TRANSPORT ADMINISTRATION
PROVINCIE ANTWERPEN	SCHEEPSWERF DAMEN GORINCHEM BV	SWISS INTERNATIONAL AIR LINES AG
Provincie Gelderland	SCHIPHOL NEDERLAND BV	Syndicat mixte des mobilités de l'aire grenobloise (SMMAG)
Provincie Noord-Brabant	SCHMITZ CARGOBULL AG	Syndicat Mixte des Transports en Commun de l'agglomération toulousaine
Provincie Utrecht	SCHWEIZERISCHE BUNDESBAHNEN SBB	Syndicat Mixte pour la gestion des Ports du Sud Alsace
PROVINCIE ZEELAND	SCOOBIC	SYNDICAT MIXTE REGIONAL DES PORTS DE CAEN-OUISTREHAM ET CHERBOURG
PROVINCIE ZUID-HOLLAND	SE Klaipeda State Seaport Authority	TAB TRANSPORTS SA
PSA ANTWERP NV	SEA EUROPE	TAKARGO – TRANSPORTES DE MERCADORIAS S.A.
Public Works Department – Ministry of Communications and Works, Republic of Cyprus	SEAT SA	TAMPEREEN KAUPUNKI
PUERTOS DEL ESTADO	SEEHAFEN KIEL GMBH & CO. KG	TARGU MURES TRANSYLVANIA AIRPORT
PVF SCHIENENFAHRZEUGE SRO	SEOPAN - Asociación de Empresas Constructoras y Concesionarias de Infraestructuras	TATRAVAGONKA AS
RACC - REIAL AUTOMÒBIL CLUB DE CATALUNYA	SERFIM GROUP	TAXIWAY
RAIL CARGO AUSTRIA AG	Servei Català de Trànsit	TBP D.D.
RAIL SERVICE CENTER ROTTERDAM BV	SERVICIOS TERRESTRES Y MARITIMOS SA (SETEMAR)	TELAIR INTERNATIONAL AB
RAILNETEUROPE	SHELL	TEMPUS-TRANS S.R.O.
RB RAIL AS	SHFCA - Scottish Hydrogen & Fuel Cell Association	TENNECO AUTOMOTIVE EUROPE BVBA
REDERI AB ECKERO	Shipping Company of Crete S.A. (ANEK Lines)	TERMINAL DE CONTENIDORS DE BARCELONA, S.L.
REGANOSA	SHIPYARD GEBR. KOOIMAN BV	TERMINAL LINK SAS
REGION BLEKINGE	SIA DOBELES AUTOBUSU PARKS	TEVVA MOTORS LIMITED
REGION GAVLEBORG	SICAMB - SPA	THIEN EDIVES GMBH
REGION NORMANDIE	SIEMENS AG	TIEL - TRANSPORTES E LOGISTICA S.A.
REGION OF CENTRAL MACEDONIA	SIEMENS ENGINES SAU	TIRSAN TREYLER SANAYI VE TICARET AS
REGION SKANE	SIEMENS MOBILITY GMBH	TJA - TRANSPORTES J.AMARAL S.A.
Regionalverband FrankfurtRheinMain	SJ AB	TOFAS TURK OTOMOBIL FABRIKASI ANONIM SIRKETI
Regionalverband Mittlerer Oberrhein	SKANETRAFIKEN	TORQEEDO
Regionalverkehr Köln GmbH	SKYGUIDE	TOTAL SA
REGIONE VENETO	SLCA - SERVICIOS LOGISTICOS DE COMBUSTIBLE DE AVIACION SL	TOYOTA MOTOR EUROPE
REMONTOWA LNG SYSTEMS SP. Z.O.O.	SLOCAT FOUNDATION	TRAFIKSELSKABET MOVIA
REN Gasodutos, S.A.	SLOVENSKE ŽELEZNICE – POTNIŠKI PROMET D.O.O.	TRAINOSE SA
RENAULT SAMSUNG MOTORS	SNAM 4 MOBILITY SPA	TRANSDEV GROUP
RENAULT SAS	SNCF RESEAU	TRANSFESA LOGISTICS S.A.
RFI RETE FERROVIARIA ITALIANA S.P.A.	SOBY VAERFT AS	Transilvania University of Brasov
Rheinbahn AG	SOCIETÀ AUTOBUS SERVIZI D'AREA SPA- STADTISCHER AUTOBUS SERVICE AG	TRANSPORT MALTA
RHEINMETALL AUTOMOTIVE	SOCIETÀ' PER AZIONI ESERCIZI AEROPORTUALI S.E.A.	TRANSPORTES AÉREOS
RHEIN-NECKAR-VERKEHR GMBH	SOCIETE DES TRANSPORTS INTERCOMMUNAUX DE BRUXELLES SSF	PORTUGUESES, S.A.
RIGAS SATIKSME SIA	SOCIETE DU GRAND PARIS	TRANSPORTES CENTRAL
Rimorchiatori Riuniti Panfido & C. SRL	SOFITEC AERO SL	POMBALENSE LDA
Road and Motorway Directorate of the Czech Republic	SOLARIS BUS & COACH	TRANSPORTES FIGUEIREDO & FIGUEIREDO LDA
ROAD INFRASTRUCTURE AGENCY	Solihull Metropolitan Borough Council	TRANSPORTES PASCOAL S.A.
ROBERT BOSCH GMBH	Solution F	TRANSPORTES PAULO COSTA & FERREIRA LDA
ROLANDE BV	SOMTRANS	TRANSPORTES PAULO DUARTE LDA
ROLLS-ROYCE	SONACA GROUP	TRANSPORTES SÉRGIO LUDOVINO LDA
ROMA CAPITALE	Sono Motors	TRANSPORTS DE BARCELONA SA
ROMA SERVIZI PER LA MOBILITA SRL	SPRAVA ZELEZNIC	TRELLEBORG SEALING SOLUTIONS
ROMAERO SA	STAD ANTWERPEN	FRANCE SAS
ROSETTI MARINO SPA	STADT AACHEN	TRENTINO TRASPORTI SPA
ROSTOCK PORT GMBH	STADT KOLN	TRIESTE TRASPORTI SPA
ROTAREX S.A.	STADT ULM	TRIFLEET LEASING BV
Rotterdam Short Sea Terminals B.V.	STADT VILLACH	TRIUMPH AEROSPACE OPERATIONS UK LTD
ROTTERDAMSE ELEKTRISCHE TRAM N.V.	Stadtwerke Hürth AöR	TT TRANSCOM - POINTER LINES
RUTER AS	STADTWERKE OSNABRUCK AG	TUCO YACHT VAERFT APS
SAAB AB	STAR BULK SHIPMANAGEMENT CO. (CYPRUS) LTD	TURUN KAUPUNKIILIKENNE OY
SAAB TRASPONDERTECH AB	STEMMANN-TECHNIK GMBH	TX LOGISTIK AG
SAFRAN AIRCRAFT ENGINES		
SAFRAN ELECTRONICS & DEFENSE		
SAFRAN HELICOPTER ENGINES		
SAFRAN LANDING SYSTEMS		
SAFRAN NACELLES		
SAFRAN POWER UNITS		
SAFRAN SA		
SAFRAN SEATS		
SAG MOTION GMBH		

UIRR INTERNATIONAL UNION FOR ROAD-RAIL COMBINED TRANSPORT	Università degli Studi di Torino	VIKING LINE ABP
UMBRA GROUP SPA	Università degli Studi ROMA TRE	VILLE DE PARIS
UNIFE - Union of European Railway Industries	Università di Bologna	VISION SYSTEMS AERONAUTICS
UNILEVER BV	Università di Camerino	VITESCO TECHNOLOGIES GMBH
UNION INTERNATIONALE DES TRANSPORTS PUBLICS	Università di Parma	Vlaamse Vervoersmaatschappij De Lijn
UNIONTRANSPORTI	Università di Pavia	VNF - VOIES NAVIGABLES DE FRANCE
Universidad Autonoma de Madrid	Università LUISS Guido Carli	VOLKSWAGEN AG
Universidad Cardenal Herrera	Universitat Abat Oliba CEU	VOLOOPTER GMBH
Universidad Carlos III de Madrid	Universitat de Barcelona	VOLVO AB
Universidad Complutense de Madrid	UNIVERSITAT DE GIRONA	VOLVO BUS CORPORATION
Universidad de Alcalá	Universitat de Lleida	VOLVO CARS
Universidad de Almería	Universitat de Valencia	VOLVO Trucks
Universidad de Burgos	Universitat Hamburg	VOS LOGISTICS OSS BV
Universidad de Cadiz	Universität Hildesheim	VTG RAIL EUROPE GMBH
Universidad de Cantabria	Universitat Jaume I	WABCO
Universidad de Cordoba	UNIVERSITAT POLITÈCNICA DE CATALUNYA	WAERTSILA GAS SOLUTIONS AS
Universidad de Extremadura	UNIVERSITAT POLITÈCNICA DE VALENCIA	WAGENBORG SHIPPING BV
Universidad de Granada	Universitat Pompeu Fabra	WARTSILA
Universidad de Jaén	Universitat Rovira i Virgili	WATERSTOFNET VZW
Universidad de la Laguna	Universidad San Jorge	WESSEM HOLDING BV
Universidad de la Rioja	University di Genova	WIENER LINIEN GMBH & CO KG
Universidad de Las Palmas de Gran Canaria	University of Gothenburg	WILH WILHELMSSEN HOLDING ASA
Universidad de Leon	University of Hertfordshire	WINTERTHUR GAS & DIESEL AG
Universidad de Malaga	University of Stuttgart	WIZZ AIR HUNGARY
Universidad de Murcia	University of Trás-os-Montes e Alto Douro	LEGIKOZLEKEDESI KORLATOLT FELELOSSEGU TARSASAG
Universidad de Navarra	University of Worcester	WIZZ AIR UK LIMITED
Universidad de Salamanca	University of Zagreb	WRIGHTBUS
Universidad de Valladolid	Universotà di Siena	WSW MOBIL GMBH
Universidad de Vigo	Universid de Zaragoza	YESILOVA HOLDING AS
Universidad del País Vasco / Euskal Herriko Unibertsitatea	UPS EUROPE SA	ZAKLADY LOTNICZE MARGANSKI & MYSLOWSKI SA
Universidad Europea	URBAN ELECTRIC MOBILITY	ZEEBRUGGE PORT AUTHORITY
Universidad Francisco de Vitoria	INSTITUTE (UEMI) GMBH	Zéphyr & Borée
Universidad Miguel Hernandez	URBEEZ	ZF FRIEDRICHSHAFEN AG
UNIVERSIDAD POLITÈCNICA DE MADRID	UTKILEN AS	ZODIAC AEROTECHNICS (SAFRAN)
Universidad Rey Juan Carlos	Utrecht University of Applied Sciences	ZPMC SLU
Universidad San Pablo CEU	VALEO	ZSR - Železnice Slovenskej Republiky
Universidade de Coruna	VALEO SIEMENS EAUTOMOTIVE GERMANY GMBH	ZSSK - ZELEZNICNA SPOLOCNOST SLOVENSKO
Università degli Studi della Basilicata	VALSTYBES IMONE ORO NAVIGACIJA	ZSSK CARGO
Università degli Studi della Campania "Luigi Vanvitelli"	VAN ECK TRAILERS BV	CLEPA
Università degli Studi dell'Insubria	VARSINAIS-SUOMEN LIITTO	EICB
Università degli Studi di Brescia	VDL GROUP	EPOMM
Università degli Studi di Cassino e del Lazio Meridionale	VENICE LNG S.P.A.	ERRAC
Università degli Studi di Catania	VEPLAS GROUP	ERRIN
UNIVERSITA DEGLI STUDI DI FIRENZE	VERBAND DER BAHNINDUSTRIE IN DEUTSCHLAND (VDB) EV	ERTRAC
Università degli Studi di Milano-Bicocca	Verband Region Rhein-Neckar	UIC – International Union of Railways
Università degli Studi di Perugia	Verkehrsverbund Mainz-Wiesbaden GmbH (VMW)	UITP – International Association of Public Transport
	VIESOJI ISTAIGA KLAIPEDOS KELEIVINIS TRANSPORTAS	WATERBORNE
	VIIA	Smart Freight Centre

11.3. FINANCE

The list below corresponds to all the entities that have been considered under the finance category. The total number of entities is 223.

EIF/BlueInvest	IBAN - ITALIAN BUSINESS ANGELS ASSOCIATION	VINNOVA
EIF (European Investment Fund)	MERCATOR LEASING GMBH & CO.	ANI - AGENCIA NACIONAL DE INOVACAO
F6s	KfW Group	INNOVIRIS
Techstars	INFORTAR AS	Flanders Innovation & Entrepreneurship
EIT/EIT Urban Mobility	STOLT NIELSEN GAS B.V.	NETHERLANDS ENTERPRISE AGENCY
EIT/EIT InnoEnergy	SCANIA GROWTH CAPITAL	CDTI
EIT/EIT Climate-KIC	VOLVO GROUP VENTURE CAPITAL AB	Ministry of Economic Development and Technology
EIT/EIT Digital	CREDIT AGRICOLE	Innovate UK
EFSD (European Fund for Strategic Investment)	SFBW LANDESANSTALT SCHIENENFAHRZEUGE BADEN-WUERTTEMBERG (AöR)	Austrian Research Promotion Agency (FFG)
ESI Funds (European Structural and Investment Funds)	Bpifrance	MIUR - Ministero dell'Istruzione, Ministero dell'Università e della Ricerca
EIB (European Investment Bank)	Caisse des Dépôts et Consignations (CDC)	National Centre for Research and Development (NCBR)
EC (European Commission)	Council of Europe Development Bank (CEB)	TUBITAK
EIC (European Investment Council)	EBAN	Research Council of Norway
INVESTITIONSBANK SCHLESWIG-HOLSTEIN	Instituto de Credito Oficial	INNOSUISSE - SWISS INNOVATION AGENCY
HAMBURGISCHE INVESTITIONS- UND FORDERBANK	THE WORLD BANK	

BUSINESS FINLAND	EQT VENTURES	Ostbelgieninvest AG
Innovation Fund Denmark	NEXT GEAR VENTURES	PRACTICA CAPITAL
DLR Projektträger	HONDA XCELERATOR	TBA Network
Investment AB Latour	SBB STARTUP	Evolem Start
InnovationsKapital	GE VENTURES	Black Sea Trade and Development Bank
Chalmers Ventures	SAFRAN CORPORATE VENTURES	(BSTDB)
Israel Innovation Authority	DIEHL VENTURES GMBH	SAMAIPATA
National Research, Development and	HONEYWELL VENTURES	Clave Capital
Innovation Office (NRDI)	BAE Systems Investment in Innovation (I3)	PMV
Unternehmertum Venture Capital (UVC)	EQUINOR VENTURES	Journey Partners
Partners	KONGSBERG INNOVATION	Iris Capital
DCP - DIFFUSION CAPITAL PARTNERS	LUFTHANSA INNOVATION HUB	Statkraft Ventures
INNOGEST CAPITAL	Zukunft Ventures	Contrarian Ventures
ENEL STARTUP	ERICSSON VENTURES	SHIP2B
Intesa Sanpaolo Innovation Center	BOEING HORIZON X	CITA Investissement
ENAGAS EMPRENDE	MOTHERSON INNOVATION	ING Corporate Investment Belgium
CO-PACE (Continental Start-Up Program)	MAHLE CORPORATE VENTURE	Mustard Seed Maze
Faurecia Ventures	CAPITAL	Elaia
ABB Technology Ventures	R2 DATA LABS	KARISTA
Robert Bosch Venture Capital GmbH	FORD X	COREAngels Impact
BMW i Ventures	ROAD VENTURES	Presto Ventures
ENGIE New Ventures	EuraTechnologies	Faraday Venture Partners
Shell Ventures	DEMETER Partners	Mainport Innovation Fund II
Reefknot Investments	WeLike	White Star Capital
Saab Ventures	SAMBRINVEST	NovX Capital
Next47 (Siemens Corporate Venture	WeLikeAngels - Investor	Verve Ventures (Investiere)
Capital)	Karot Capital	Indufin
Repsol Corporate Venturing	Expon Capital	BNP Paribas Fortis Private Equity
Total Carbon Neutrality Ventures	PORTUGAL VENTURES	Société Belge d'Investissement
CMA CGM Ventures	GIANO VENTURES	International (SBI)
Plug & Play Ventures	M Capital Partners	Waterland Private Equity
Alliance Ventures	Orevon Venture Partners	Kima Ventures
Volkswagen Group	Starquest Capital	SRIW SA
Daimler Technology & Venture	WakeUp Capital	KATAPULT OCEAN
DEUTSCHE BAHN DIGITAL VENTURES	SpeedInvest	Réseau Yeast
GMBH	Inventures Investment Partners	Erganeo
EDF Pulse Croissance	btov Partners GMBH	Uangel
Air Liquide Venture Capital (ALIAD)	H.I. Capital AG	Jolt Capital
T-Mobile Ventures	Luxembourg Business Angel Network	ACT VC Fund
INVEN CAPITAL	Alter Equity	Invest.BW
Future Energy Ventures	Lean Fund	Sarsia Seed Management AS
EDP Ventures	finance & invest.brussels	Boost HEROES
Indraventures	TechAngels	RAISE VENTURES
Galp Ventures	Breega Capital	Møller Mobility Group
DT Capital Partners	Estari Group	Selvaag Invest
TELEFÓNICA VENTURES	Basinghall Partners	Sustainable Ventures
Toyota AI Ventures	Acceleration Venture	Venture Kick
PERSEO VENTURE BUILDER	Amadeus Capital Partners	Foundation for Technological Innovation
NOKIA GROWTH PARTNERS	SFPI-FPIM	(FIT)
Aster Capital	GO CAPITAL	Cathay Innovation
574 Invest	3LB SEED CAPITAL	OGCI Climate Investments
BlackRock	Growth Partners Capital	Idinvest Partners
Intel Capital	SOFINDEV MANAGEMENT NV	Northzone
ATOMICO	Odyssée Venture	Mubadala Capital Ventures Europe
BAILLIE GIFFORD	Fil Rouge Capital	Goodwater Capital
FREIGEIST CAPITAL	Finaqui Business Angels	SoftBank Vision Fund
LGT BANK AG	EPIC ALFA SP. ZOO	InMotion Ventures
OBVIOUS VENTURES	NEXTUP	MAN Impact Accelerator
TENCENT HOLDINGS LTD.	UNIFUND	Hitachi Ventures GmbH
AIRBUS VENTURES	UNIIQ	
NORRSKEN VC	ENEAS ALTERNATIVE INVESTMENTS	

12.ANNEX 4 – ABOUT WHEESBEE

Wheesbee (www.wheesbee.eu) is a highly innovative information system offering a one-stop-shop to access, organize, analyse and share relevant information needed for research and technological innovation processes. It is one of the most important tools during Innovation Services.

