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### **[D2.3] ENTRANCE Platform**

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01	23/09/2021	Silvia Colella (INNEN)	Preparation of the deliverable based on the Platform developed and inputs received about contents
02	28/09/2021	Carolina Salas (PNO) Jeanett Bolther (PNO)	Revision and finetuning

## QUALITY CHECK REVIEW

Reviewer (s)	Main changes
Edgar Valverde (PNO)	A review of the entire deliverable has been made to ensure accordance to ENTRANCE vision and formatting.
Carolina Salas (PNO)	A review of the entire deliverable has been made to ensure that the deliverable contains all relevant sections and information.
Jeanett Bolther (PNO)	A review of the entire deliverable has been made to ensure a coherence with the project Grant Agreement and overall project focus.

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## 1. LIST OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Definition
CMS	Content Management System
CPV	Business Sectors in TED (Tenders Electronic Daily)
CSA	Coordination and Support Action
EC	European Commission
EU	European Union
H2020	Horizon 2020
KoM	Kick-off Meeting
M	Month
PC	Project Coordinator
SEO	Search Engine Optimization
SSL	Secure Sockets Layer
TED	TED (Tenders Electronic Daily)
WP	Work Package
WPL	Work Package leader

### Short name and name of beneficiaries

Short name	Name
CIAOTECH	Ciaotech Srl
PNO ES	PNO Innovation S.I.
INNEN	Innovation Engineering Srl
TRV	Tri-Vizor NV
ITSN	ITS Norge-norsk forening for multimodale intelligente transport systemer og tjenester
ITA	Instituto Tecnológico de Aragon
AV	Aerospace Valley
RG	Associacio Rail Grup

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Short name	Name
VIL	Vlaams Instituut voor de Logistiek VZW
ALICE	Alliance for Logistics Innovation through Collaboration in Europe
EURA	EURA AG
ESC	European Council of Transport users-conseil Europeen des usagers des Transports
CFH	Crowdfundinghub BV
EITUM	EIT KIC Urban Mobility SI
BABLE	BABLE UG
IWT	European Inland Waterway Transport (IWT) Platform



## 2. EXECUTIVE SUMMARY

ENTRANCE has created a unique EU online Matchmaking platform for the entire European transport and mobility landscape that will be sustainable beyond the project's duration. The platform (i) connects 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 (ii) creates an increased visibility of "first-of-a-kind" transport solutions, foreseen replacement plans and schedules of major buyers and public and private financing opportunities; (iii) does an automatic matchmaking that will facilitate the scale up, market uptake, and access to finance as well as generate specific alerts.

The present document describes the map of the platform developed in the framework of the ENTRANCE project, the information and the features provided currently offered by the **ENTRANCE Platform**, available at <https://app.entrance-platform.eu/>.

It's important to notice that the access to the platform is through the ENTRANCE public website and the URL of the platform is "embedded" into the primary domain "entrance-platform.eu".

In fact, the project website ensures that interested stakeholders have access to all information about the project. The website will serve as the main homepage for distributing the project's information and results providing regular updates on project activities and achievements, deliverables, meeting announcements, news and events (workshops, webinars, etc.) as well as a series of information products and packages for a wide range of interested stakeholders (e.g. downloadable project brochures, newsletters, and other dissemination materials).

The platform is available and accessible from the website and it is strictly linked to the website itself also through the sharing of the pages NEWS, DOCUMENT REPOSITORY, EVENTS and PROJECT PARTNERS that are accessible on both sides.

This document includes some images (screenshots) to better illustrate the different areas/sections available for visitors and/or consortium.

### 3. INTRODUCTION

To achieve the overall goals of the ENTRANCE project, the ENTRANCE EU Matchmaking platform will offer a sustainable, common and legitimate European matchmaking platform for the transport and mobility sector, serving as a reference hub for bridging gaps and facilitating matchmaking between providers of innovative zero emission transport and mobility technologies, products and services, buyers and investors. The platform will ensure (i) an increased visibility of “first-of-a-kind” transport solutions, foreseen replacement plans and schedules of major buyers and public and private financing opportunities, as well as (ii) matchmaking mechanisms that will facilitate solution scale up, market uptake, and access to finance. Matchmaking will occur between platform users and assets from all areas of the “supply-demand-finance” based on a pre-defined taxonomy to classify the needs and offers of various platform users, as better described in the deliverable 2.2.

The platform will promote dissemination of information and exchange of knowledge on best practices on deployment of innovative and sustainable transport solutions, national and European tenders, and legislation related to the uptake of innovative transport and mobility solutions by providing relevant databases in these areas accessible to all platform users both for browsing and automatic matchmaking. Additionally, the platform will provide tools and services to support further project objectives and activities, including:

- Engaging users of the platform through training and brokerage activities
- Facilitating cross-fertilisation and clustering activities with European transport and mobility associations and initiatives
- De-risking the uptake of innovative solutions through, e.g., purchase aggregation facilitation
- Supporting solution providers and buyers with access to public and private innovation finance

In this document, all the sections of the platform are fully described and shown.

## 4. ENTRANCE EU MATCHMAKING PLATFORM

The official project website is online since the month 3 of the project and provides a short description of the project, as better described in the D2.1. The ENTRANCE website shows also the access to the user log-in and registration system for the Matchmaking Platform.

The image below shows the screenshot of the homepage of the website (Figure 1).

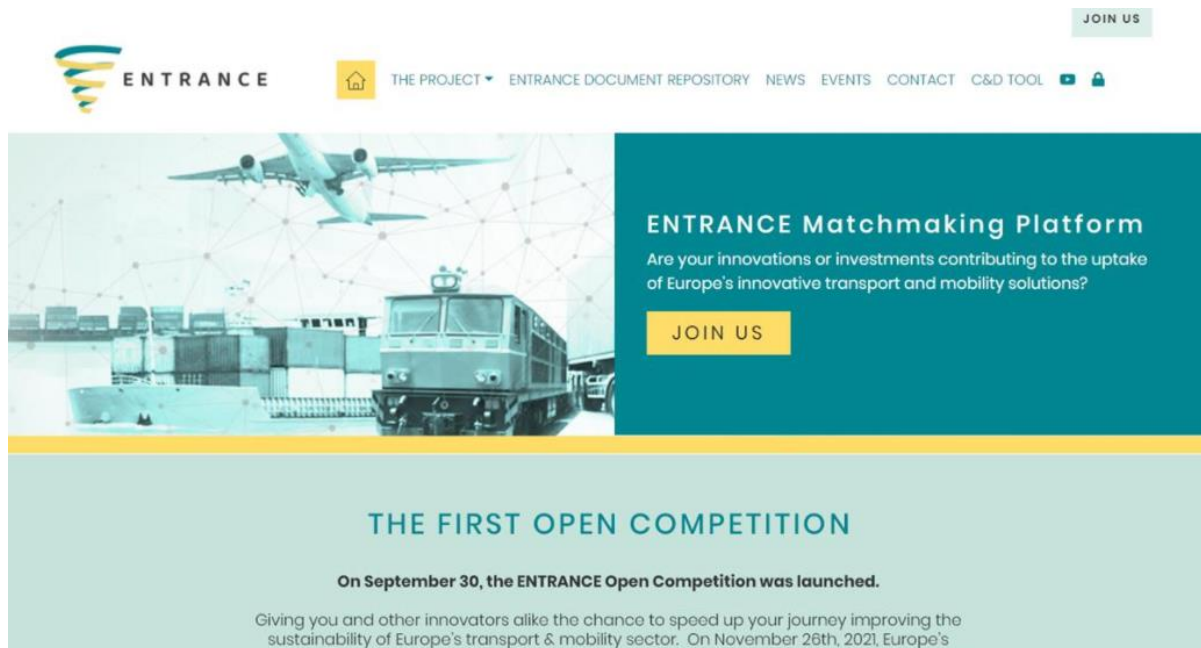


Figure 1. Homepage - Website

Through the link “Join us” the user can make a registration on the ENTRANCE platform and become a member of its community, by providing information as First Name, Last Name, email and Company name, or doing the “Log in”, if the user is already registered (Figure 2).

According to the output of the requirement analysis (D2.2), the platform includes the following sections:

1. **LOG IN/ SIGN UP**
2. **DASHBOARD**
3. **DEMAND**
  - a. PURCHASE AGGREGATION REQUESTS
  - b. PURCHASE / REPLACEMENT PLANS
  - c. TENDERS
4. **SUPPLY**
  - a. SOLUTIONS
  - b. PATENTS
5. **FINANCE**
  - a. GRANTS

b. ALTERNATIVE SOURCES OF FINANCE

## 6. KNOWLEDGE HUB

- a. BEST PRACTICES
- b. LEGISLATIONS
- c. COLLABORATIONS
- d. FAQ
- e. TRAINING
- f. NEWS, DOCUMENT REPOSITORY, EVENTS (directly addressed to the public website)

## 7. NETWORK

- a. PROJECT PARTNERS (directly addressed to the public website)
- b. PARTNER PLATFORMS

In order to provide the expected functionalities and matchmaking, the following dependencies are expected for the ENTRANCE platform:

- In order to facilitate matchmaking, all platform assets are classified based on the ENTRANCE taxonomy classifier, capable of classifying, according to known taxonomies, even heterogeneous data, such as solution providers, potential buyers, investors, patents, scientific articles and tenders, but also descriptions of company profiles and their reference technologies.
- Automatic matchmaking and information on / matching to patents, tenders and EU funding in the domain of the project depend on the proper implementation and connection of matchmaking algorithms being developed by INNEN and BABLE. On the side of INNEN, the matchmaking algorithms form their basis in tools including WheesBee innovation search tool, INNEN's advanced business intelligence and data mining solution. The algorithms behind WheesBee is connected to ENTRANCE for e.g. identifying and making available the patents and the EU funding in the domain of the project

In the following, each section will be illustrated in more details.

### 4.1. REGISTRATION OF THE USER

#### 4.1.1. Log in/Sign up

Creating an account on ENTRANCE is free and is the best way to benefit from ENTRANCE project resources and its community of transport and mobility leaders and innovators.

By creating an account, the users will join the ENTRANCE community of stakeholders who are accelerating “first of a kind” sustainable transport solutions.

In particular, registered users have access to the following benefits and advantages:

- Gain access to a personalised user dashboard to share and receive information and relevant matches related to innovative transport and mobility solutions and stakeholders

- Connect directly with and contact other transport and mobility leaders from all areas of the 'supply-demand-finance' triangle
- Receive personalised notifications and matches for information and contacts most relevant to you as related to your expressed interests in sustainable transport solution deployment and uptake
- Create a page for and promote your organisation directly to our community
- Access exclusive resources including information on best practices, relevant legislations, and collaboration documents and templates
- Coordinate with other buyers to jointly procure innovative transport and mobility solutions and find the best suppliers to meet your demand
- Share information and assets with fellow community members

To access the user interaction functionalities and personalised / restricted platform content, a user must log in so that the system can determine the access level. The users will be informed of how their data will be collected and managed through the Privacy Notice visible at the registration phase. . The log in will be possible both through the public website and the dedicated url: <https://app.entrance-platform.eu/>.

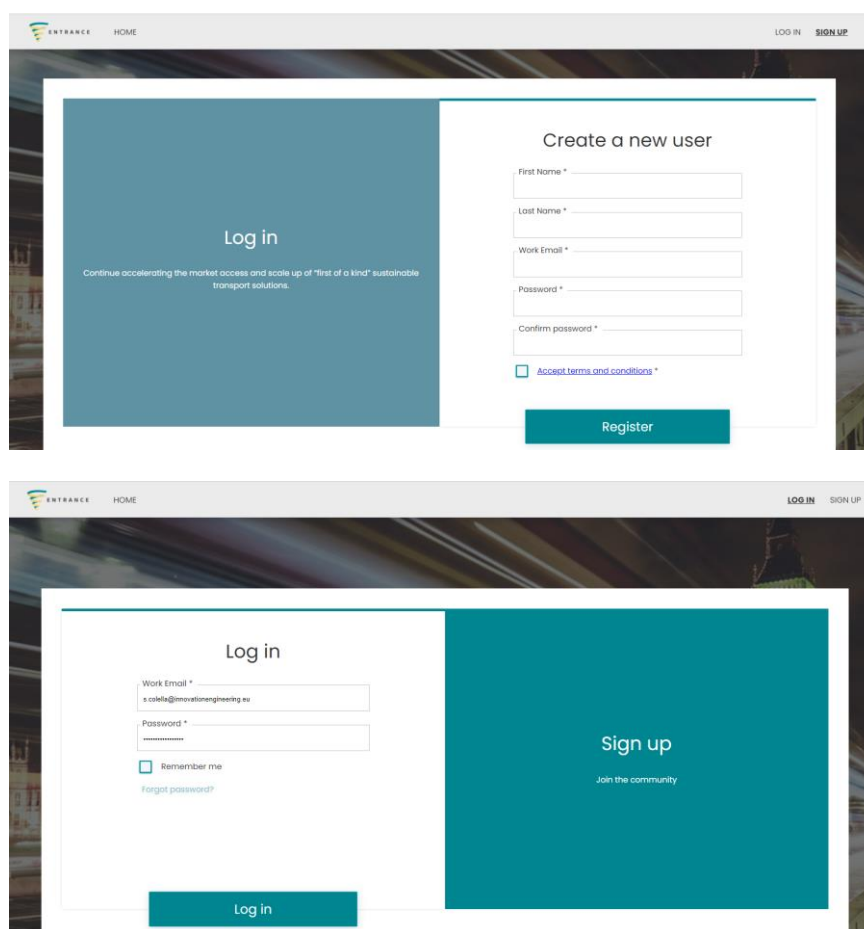
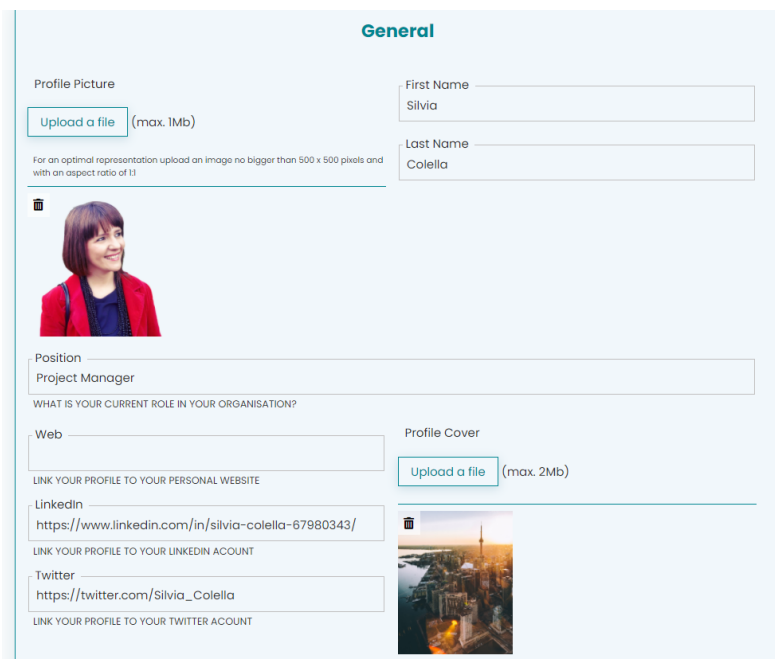


Figure 2. Log in / Sign up interface

#### 4.1.2. Edit profile

After the registration, it's possible to edit the profile at any time and to change the information collected following two modules:

- **General** (Figure 3): general info regarding the user
- **Matchmaking Preferences** (Figure 4): the user can indicate which Sectors of Transport and Solution types want to see more information on and be matched with and which types of organisations the user want to receive information and matches about



**General**

Profile Picture

Upload a file (max. 1Mb)

For an optimal representation upload an image no bigger than 500 x 500 pixels and with an aspect ratio of 1:1

First Name  
Silvia

Last Name  
Colella

Position  
Project Manager  
WHAT IS YOUR CURRENT ROLE IN YOUR ORGANISATION?

Web  
LINK YOUR PROFILE TO YOUR PERSONAL WEBSITE

LinkedIn  
https://www.linkedin.com/in/silvia-colella-67980343/  
LINK YOUR PROFILE TO YOUR LINKEDIN ACCOUNT

Twitter  
https://twitter.com/Silvia\_Colella  
LINK YOUR PROFILE TO YOUR TWITTER ACCOUNT

Profile Cover

Upload a file (max. 2Mb)

Figure 3. Edit Profile – General

### Matchmaking Preferences

Let us know which Sectors of Transport and Solution types you want to see more information on and be matched with!

**Sectors of Transport**

<input type="checkbox"/> Road Transport (0) ▼	<input type="checkbox"/> Air Transport (0) ▼
<input type="checkbox"/> Waterborne Transport (0) ▼	<input type="checkbox"/> Rail Transport (0) ▼
<input type="checkbox"/> Other Modality (0) ▼	

**Solution types**

<input type="checkbox"/> Alternative Fuels and Vehicles (0) ▼	<input type="checkbox"/> Decarbonisation (0) ▼
<input type="checkbox"/> Digitalisation (0) ▼	<input type="checkbox"/> Electrification (0) ▼
<input type="checkbox"/> Innovative Materials	<input type="checkbox"/> Smart Solutions (0) ▼
<input type="checkbox"/> Transport & Logistics Operations (0) ▼	<input type="checkbox"/> Vehicle Design (0) ▼
<input type="checkbox"/> Vehicle Technology (0) ▼	<input type="checkbox"/> Management Systems (0) ▼
<input type="checkbox"/> Other (0) ▼	

Which types of organisations do you want to receive information and matches about?

Supply Type  
THESE ORGANISATIONS CAN PROVIDE FIRST-OF-A-KIND AND NEAR TO MARKET TRANSPORT AND MOBILITY SOLUTIONS (TECHNOLOGIES, PRODUCTS AND/OR SERVICES).

Demand Type  
THESE ORGANISATIONS ARE POTENTIAL BUYERS AMONG THE MAIN PUBLIC AND PRIVATE ACTORS OF THE TRANSPORT AND MOBILITY SECTOR.

Finance Type  
THESE ARE PUBLIC AND PRIVATE ORGANISATIONS THAT PROVIDE DIFFERENT FUNDING PROGRAMMES FOR INNOVATION IN THE TRANSPORT SECTOR.

Figure 4. Edit Profile - Matchmaking Preferences

## 4.2. DASHBOARD

The ENTRANCE Dashboard (Figure 5) is the personalized space where it's possible to check what's new on the watchlist; manage the assets, the pages and the subscriptions; edit the profile; or use new tools to accelerate the market access and scale up of "first of a kind" sustainable transport solutions.

The left and right side of the dashboard are made up of so-called widgets. They encapsulate a certain functionality on ENTRANCE, such as managing your personal data. Most of the widgets come with a small info icon which, upon hovering provide more information on the specific widget and its contents.

All of the posts from members as well as automated articles informing users about activities on the platform will be displayed in the central space.

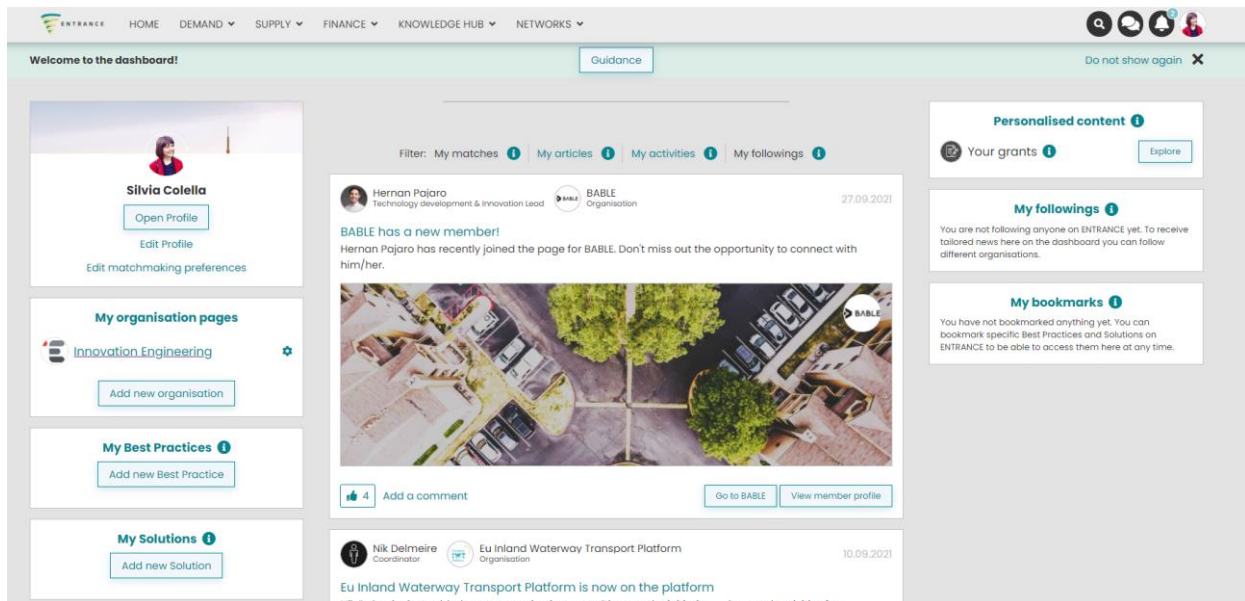


Figure 5. Dashboard

### 4.3. MY MATCHES

The user is able to receive personalised matches and notifications on the ENTRANCE Platform under the section “My Matches”. Specifying the matchmaking preferences in the main user profile and visiting the ‘Edit matchmaking preferences’ link on the user dashboard to update the preferences at any time can set the functionality and check the results (Figure 6).

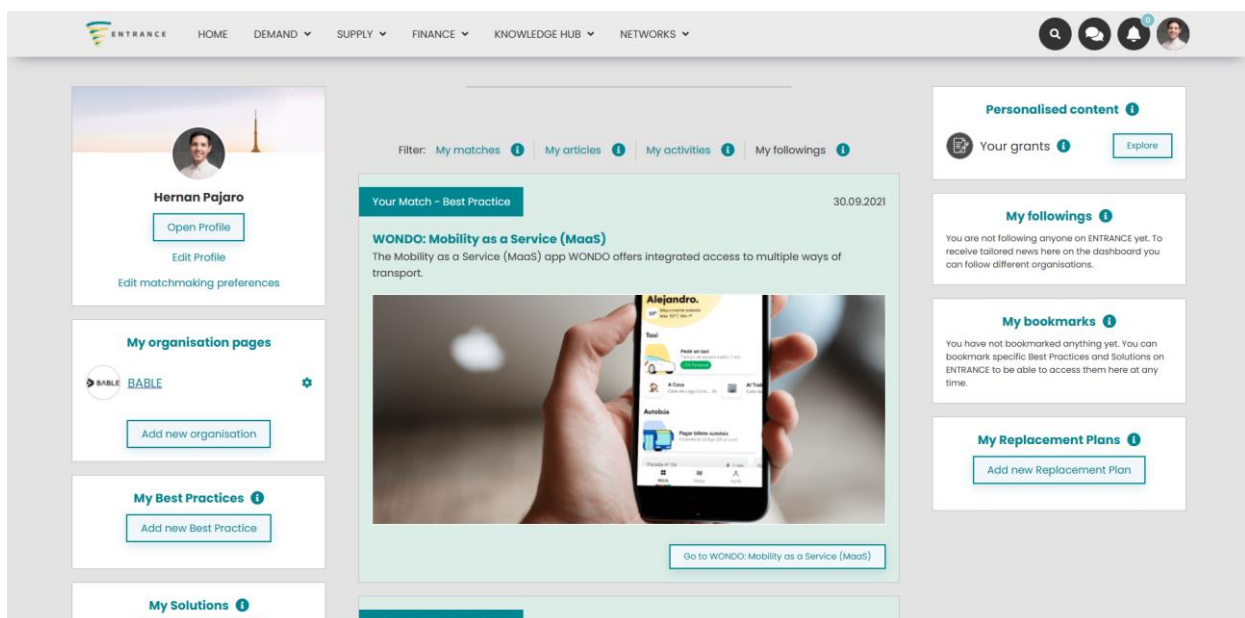


Figure 6. My Matches



#### 4.3.1. Connection with other members of the platform

A logged-in user can set the matchmaking preferences from within the user dashboard. Once the preferences are set, the user may be matched to individual users and organisations, and from this point the user is able to directly contact these members he/she is matched with by:

- Accessing the link to the profile of any organisation or member you are matched with from the 'My matches' section of your user dashboard.
- Contacting any member who you are matched with directly via the ENTRANCE messenger (search by their name or organisation). Access the messenger from the top header of the platform.

In the future months we release more of new ways for members to connect

## 4.4. DEMAND

The DEMAND section on ENTRANCE provides an overview of the member organisations on ENTRANCE who are potential buyers among the main public and private actors of the transport and mobility sector.

In addition, this section provides the following resources relevant to demand actors:

- **A space to share Purchase Aggregation Requests:** create your own or join an existing one to spread the risks of procuring innovative transport and mobility solutions over a multiple number of regrouped buyers. Entities involved in Purchase Aggregation requests will receive tailored support from the ENTRANCE neutral trustee to facilitate their grouped transactions.
- **A space to share foreseen Purchase and Replacement Plans:** to communicate buyer needs to the community of ENTRANCE suppliers of innovative transport and mobility solutions.

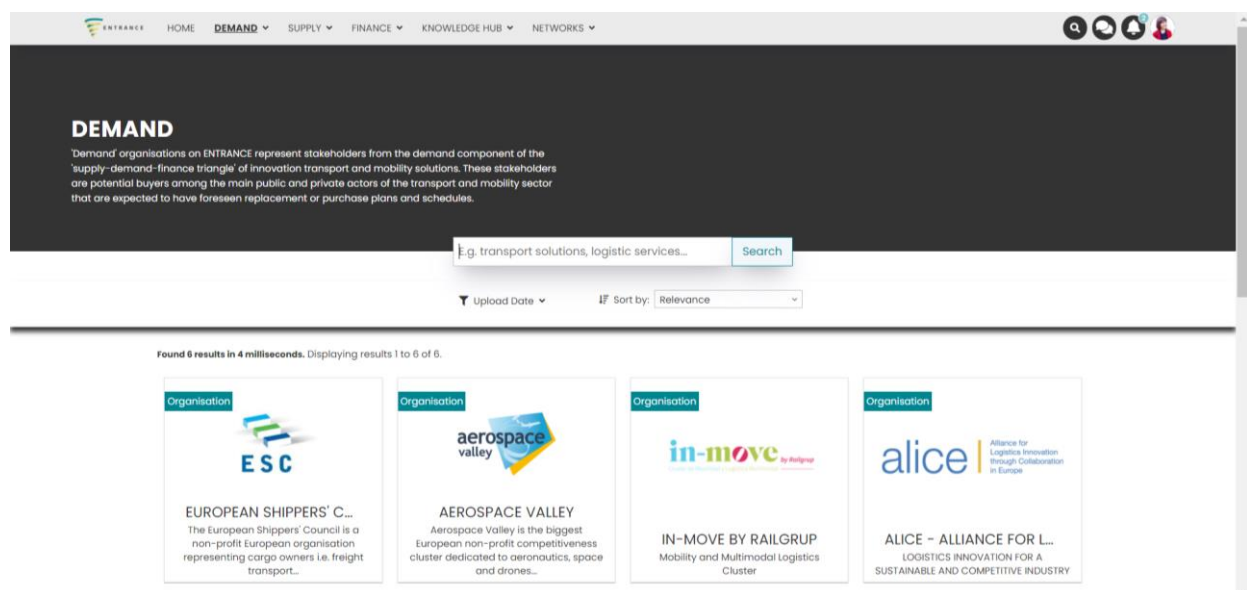


Figure 7. Demand Section

### 4.4.1. PURCHASE AGGREGATION REQUESTS

Purchase aggregations enable demand entities to spread the risks of procuring innovative transport and mobility solutions over a multiple number of regrouped buyers, thereby de-risking the acquisition of innovative solutions.

The user can start a new Purchase Aggregation Request (under the tab “Search”, Figure 8 ) to express the demand or join an existing request, as in the Figure 9.

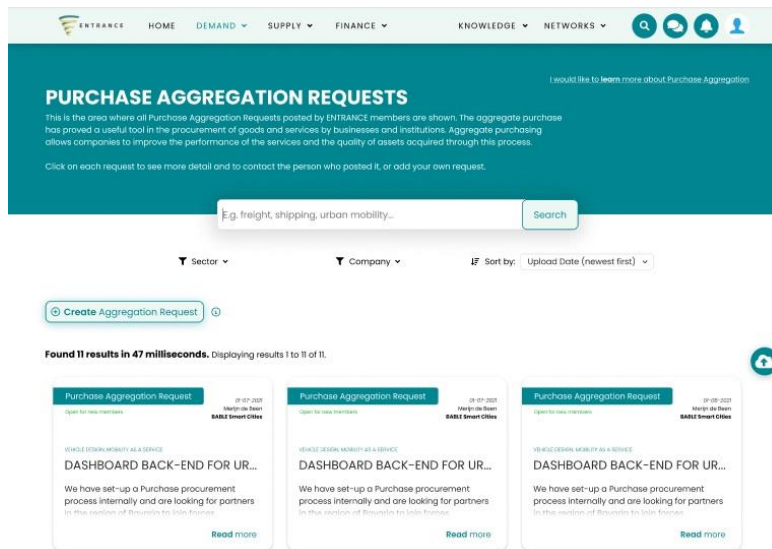


Figure 8. Purchase Aggregation Request – example mockup

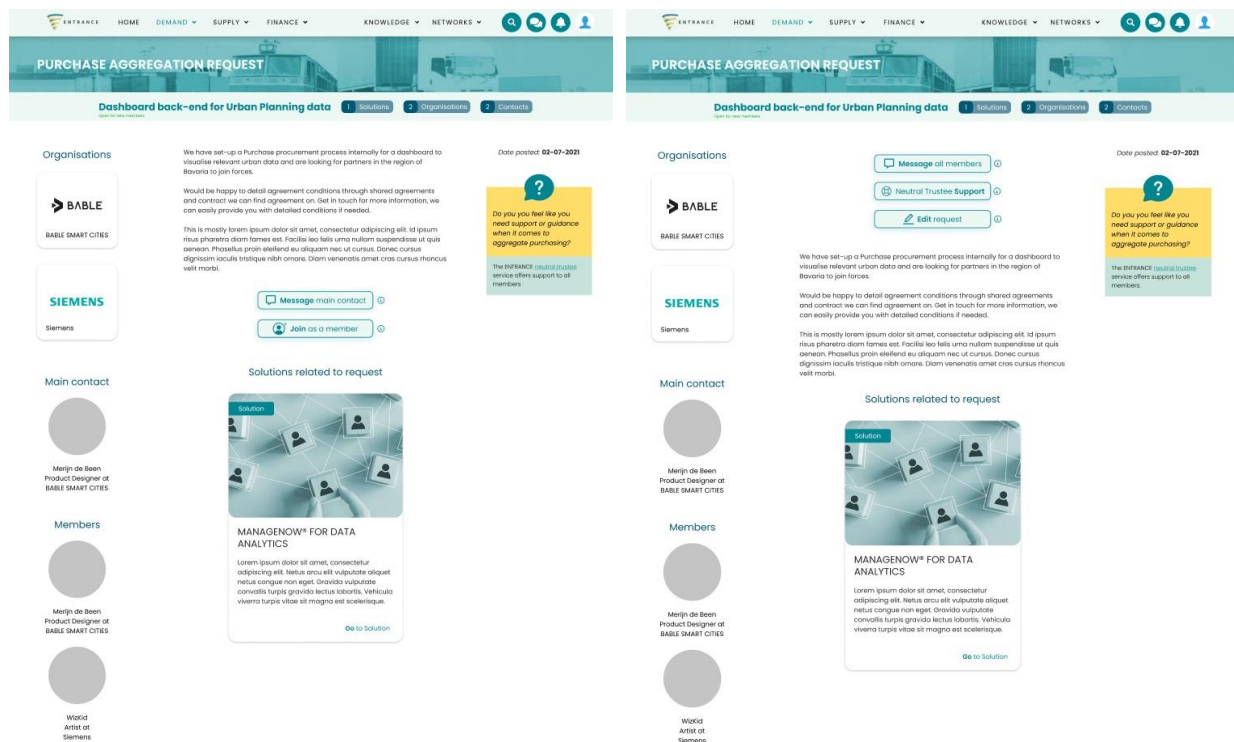


Figure 9. Purchase Aggregation Request - Example Mockup

#### 4.4.2. PURCHASE / REPLACEMENT PLANS

This page (Figure 10) provides the foreseen replacement plans (Figure 11) and purchase schedules of buyers (demand) of transport and mobility solutions. As a demand user, the user can list the foreseen plans to be matched with a supplier who fits the needs.

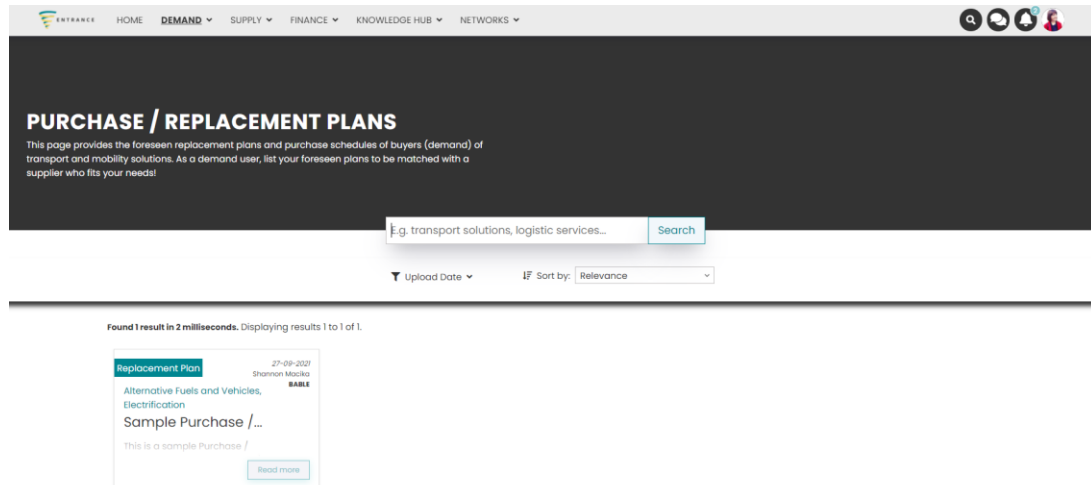


Figure 10. Purchase/Replacement Plans

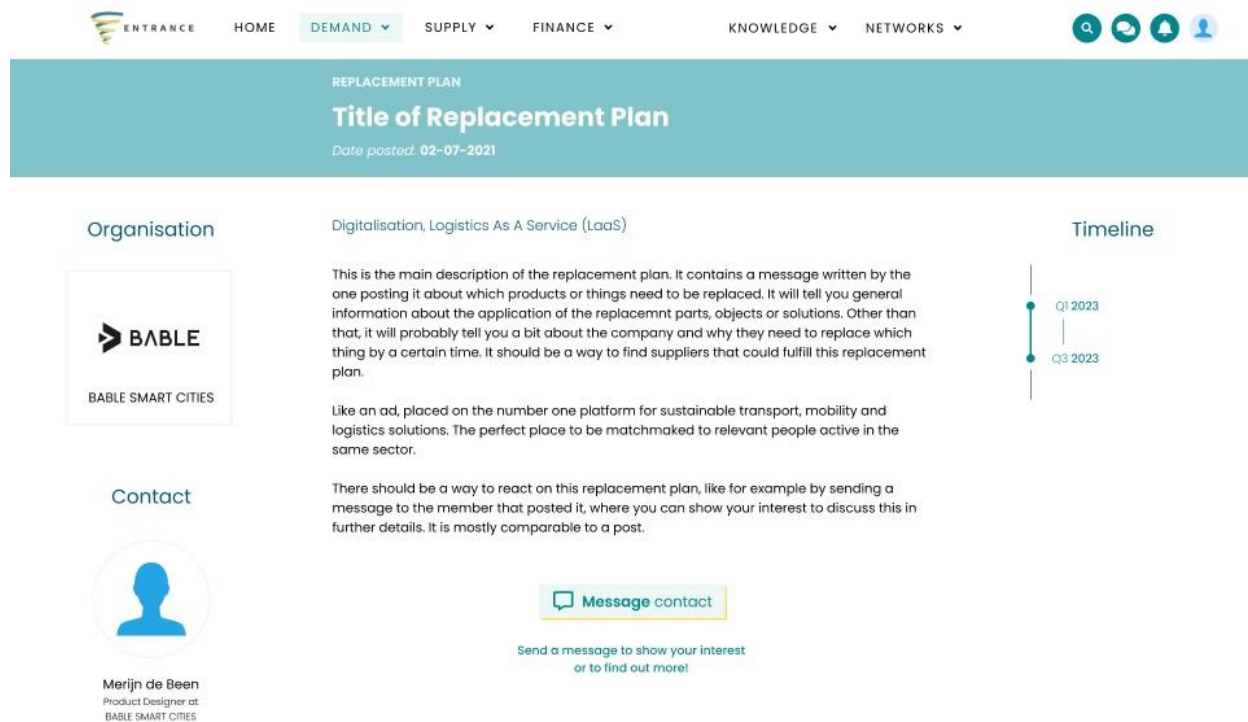


Figure 11. Replacement Plan – example mockup

### 4.4.3. TENDERS

This section (Figure 12) contains tender-related information obtained from the open EU TED database (<https://ted.europa.eu/TED/browse/browseByMap.do>), such as name, description, contracting authority, contract amount, and CPV code.

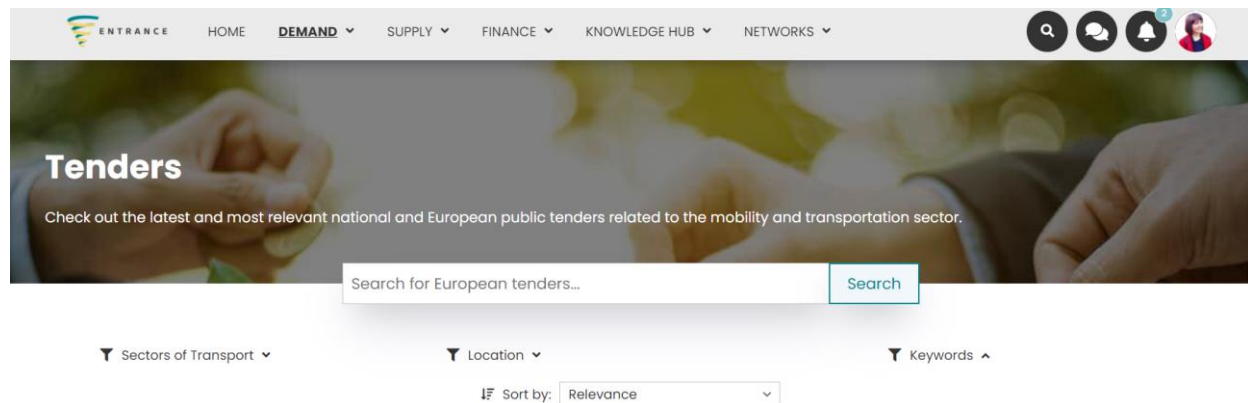


Figure 12. Tenders

## 4.5. SUPPLY

The SUPPLY section (Figure 13) on ENTRANCE provides an overview of the member organisations on ENTRANCE that can provide first-of-a-kind and near to market transport and mobility solutions (technologies, products and/or services).

In addition, this section provides the following resources relevant to supply actors:

- A space to showcase their innovative Solutions – first-of a kind zero (or near to zero) emission transport and mobility products, technologies and services with a Technology Readiness Level of 7 or above. These solutions directly support the goals established by the European Commission to reduce the transport CO2 emissions and respond to the increasing mobility needs of people and goods.
- An overview of the Patents most relevant to the area of innovative transport and mobility solutions.

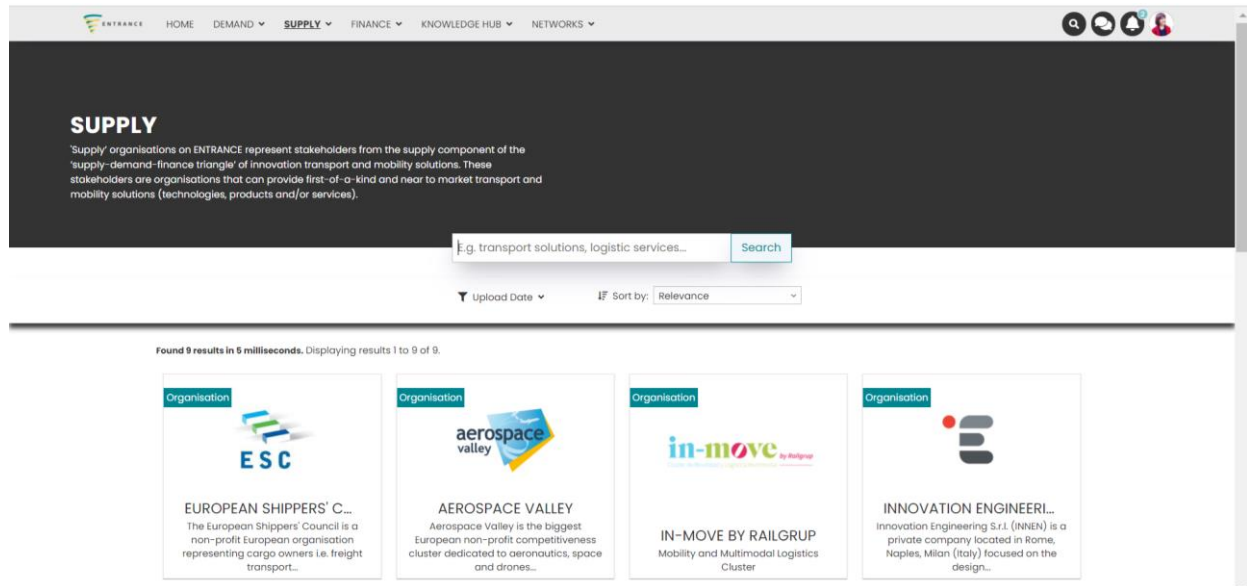


Figure 13. Supply Section

#### 4.5.1. SOLUTIONS

Solutions on ENTRANCE (Figure 14) are first-of a kind zero (or near to zero) emission transport and mobility products, technologies and services with a Technology Readiness Level of 7 or above. These solutions directly support the goals established by the European Commission to reduce the transport CO2 emissions and respond to the increasing mobility needs of people and goods, thereby offering novel approaches to achieve (i) better transport and mobility, (ii) less pollution, and (iii) less congestion.

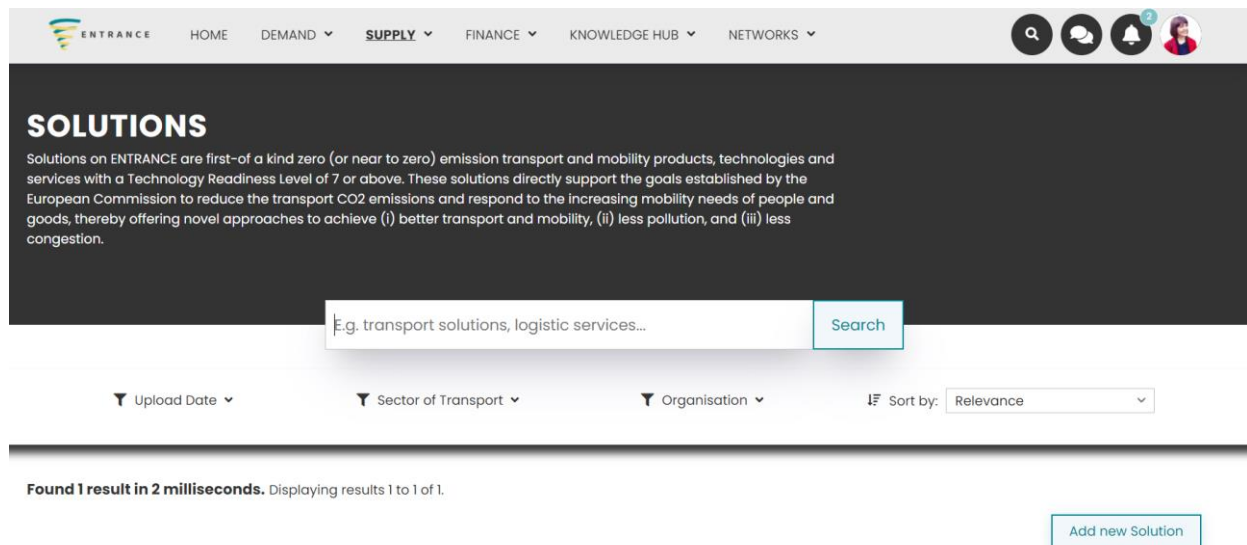


Figure 14. Solutions

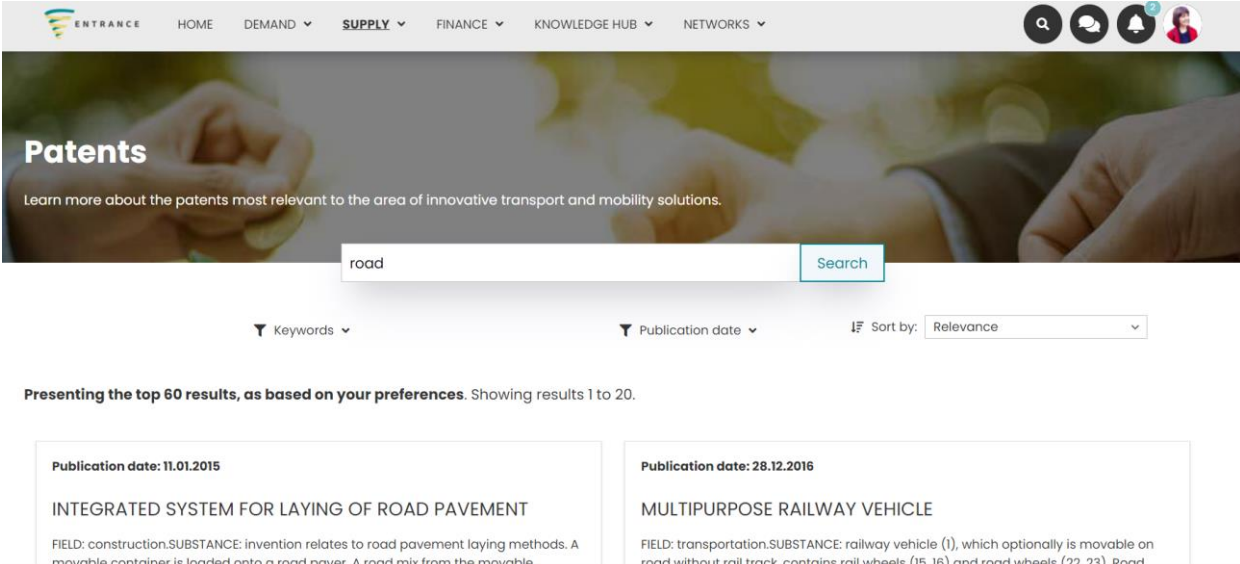
The details of the solution are displayed on an example mockup in Figure 15.



Figure 15. Solution - Detailed view – example mock-up

## 4.5.2. PATENTS

This section (Figure 16) will show the patents most relevant to the area of innovative transport and mobility solutions. It has been built upon the knowledge learned in Wheesbee and make available and improve the search tools existing for patent databases, as advanced business intelligence and data mining solution of INNEN, allowing technology scouting and intelligence. It has been connected to ENTRANCE for making available the patents in the domain of the project.



The screenshot shows the ENTRANCE Patents search interface. At the top, there is a navigation bar with the ENTRANCE logo and menu items: HOME, DEMAND, SUPPLY, FINANCE, KNOWLEDGE HUB, and NETWORKS. On the right side of the navigation bar, there are icons for search, chat, notifications, and a user profile. Below the navigation bar, there is a large banner with the word "Patents" and a sub-header: "Learn more about the patents most relevant to the area of innovative transport and mobility solutions." Below the banner, there is a search bar with the text "road" and a "Search" button. Below the search bar, there are three filters: "Keywords", "Publication date", and "Sort by: Relevance". Below the filters, there is a message: "Presenting the top 60 results, as based on your preferences. Showing results 1 to 20." Below the message, there are two patent results displayed in a grid. The first result is "INTEGRATED SYSTEM FOR LAYING OF ROAD PAVEMENT" with a publication date of 11.01.2015. The second result is "MULTIPURPOSE RAILWAY VEHICLE" with a publication date of 28.12.2016. Below each result, there is a brief description of the patent.

Figure 16. Patents

## 4.6. FINANCE

The FINANCE section on ENTRANCE provides an overview of the member organisations on ENTRANCE that are the public and private organisations providing different funding programmes for innovation in the transport sector, including private investors, public funding instruments as well equity instruments and debt instruments (and relevant hybrids and blends).

In addition, this section provides the following resources relevant to finance of innovative transport and mobility solutions:

- Check out the latest and most relevant national and European grants related to the mobility and transportation sector.
- Learn more about alternative sources of finance: innovative funding schemes for transportation and logistics solutions

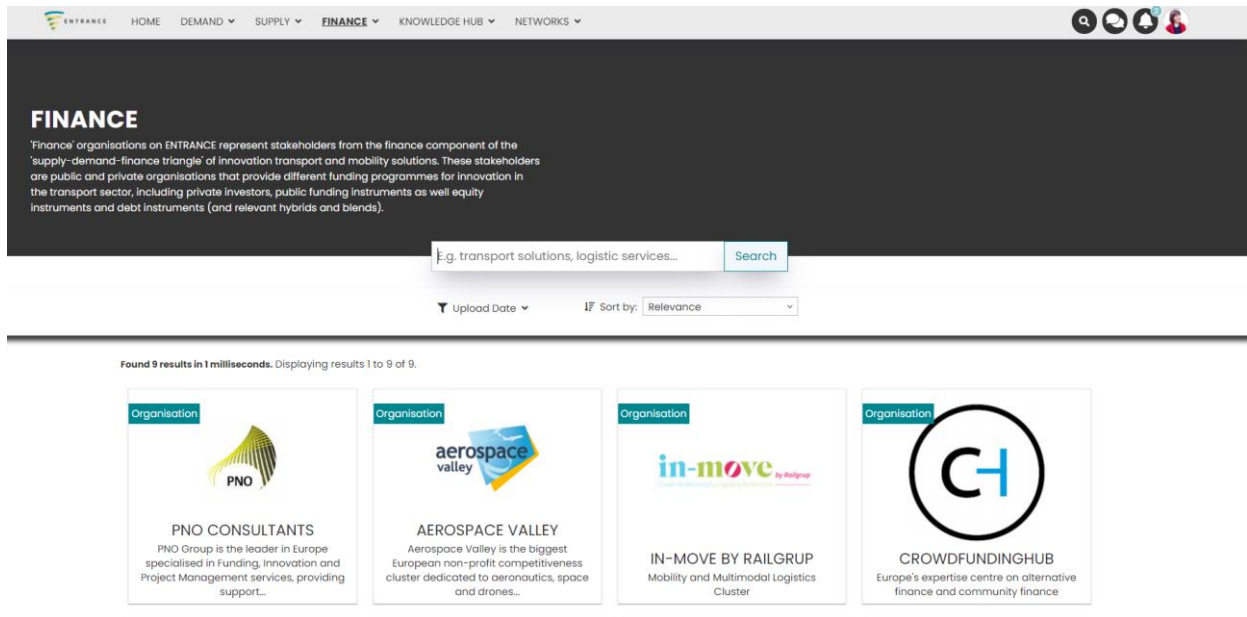


Figure 17. Finance Section

#### 4.6.1. GRANTS

The section (Figure 18) is dedicated to the latest and most relevant national and European grants related to the mobility and transportation sector. Similarly, to the TENDERS section, this is strictly connected to the Wheesbee platform and currently 263 grants are open and searchable.

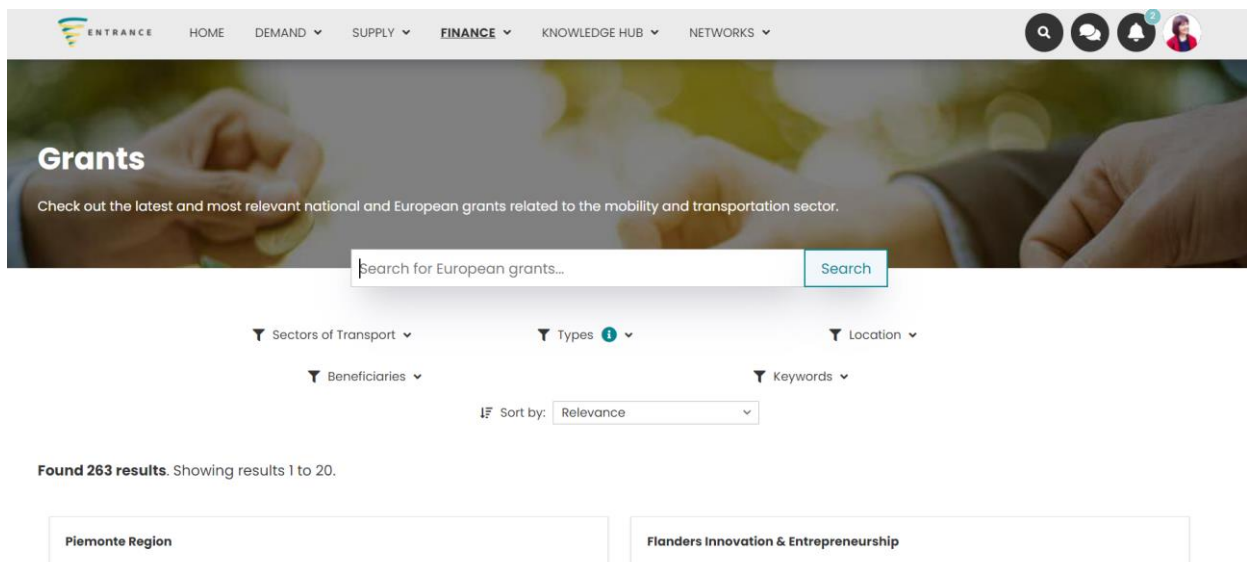


Figure 18. Grants



#### 4.6.2. ALTERNATIVE FINANCE ECOSYSTEM

The alternative finance ecosystem can be used by any person or organisation to explore the funding landscape. This ecosystem aims to better define what types of financing are suitable options. This section is an invitation to the entire mobility and transportation sector, to innovate towards sustainability quicker by enabling the power of alternative finance and is managed by CFH.

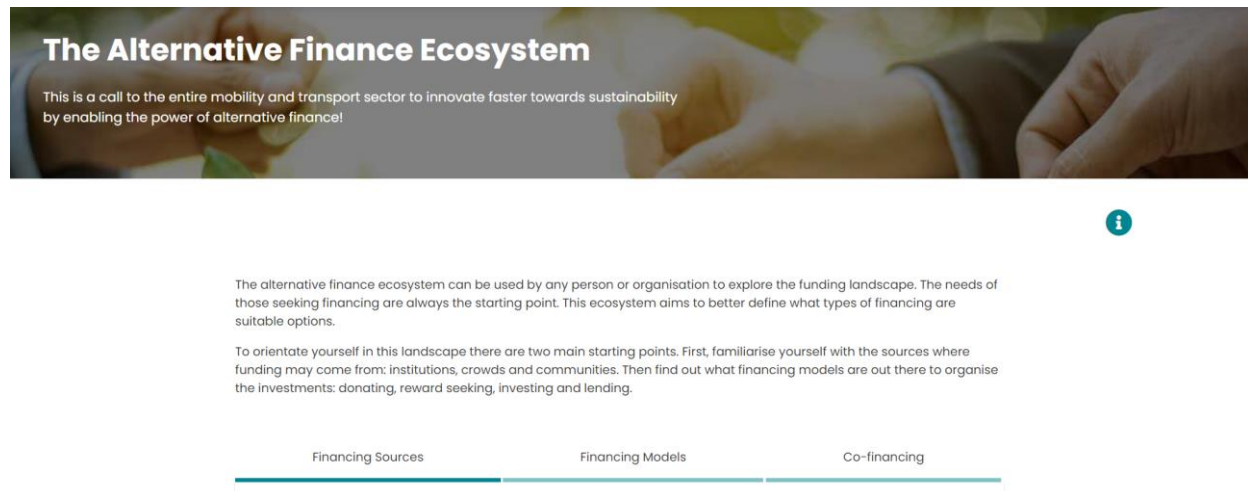


Figure 19. Alternative finance ecosystem

## 4.7. KNOWLEDGE HUB

The ENTRANCE Knowledge Hub – like all resources on the platform – is exclusively available to our logged-in users. The ENTRANCE Knowledge Hub includes the following resources:

- **Best practices:** Learn from real-life examples of deployments of innovative transport and mobility solutions that share insights and learnings.
  - **Legislations:** Learn more about the relevant EU legislative framework and specific legislations related to the area of deployment of transport and mobility solutions.
  - **Collaboration:** Find support documents for purchase aggregation services and more. The legal document templates provided in this section have been created by the ENTRANCE neutral trust to help transport and mobility solution providers and buyers overcome the technicalities connected to building partnerships and achieving a market uptake.
  - **FAQs:** this page is the ENTRANCE platform manual to learn more about the full scope of benefits and advantages the ENTRANCE platform and project provide.
- Training:** View training recordings and other materials from ENTRANCE project training events.

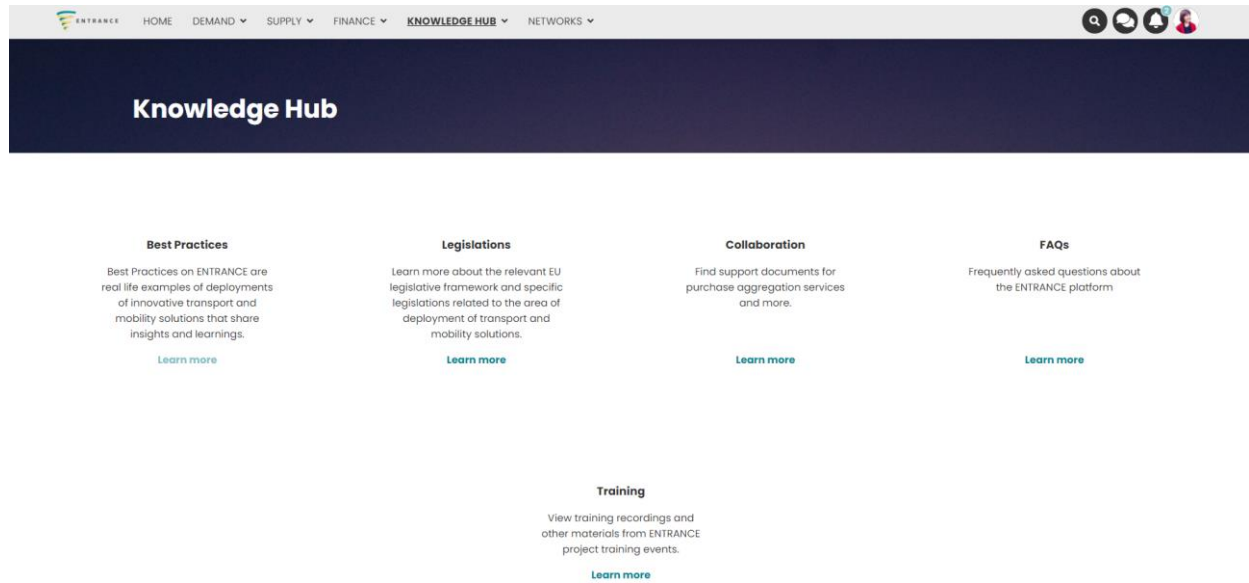


Figure 20. Knowledge Hub

#### 4.7.1. BEST PRACTICES

Best Practices on ENTRANCE are real life examples of deployments of innovative transport and mobility solutions that share insights and learnings.

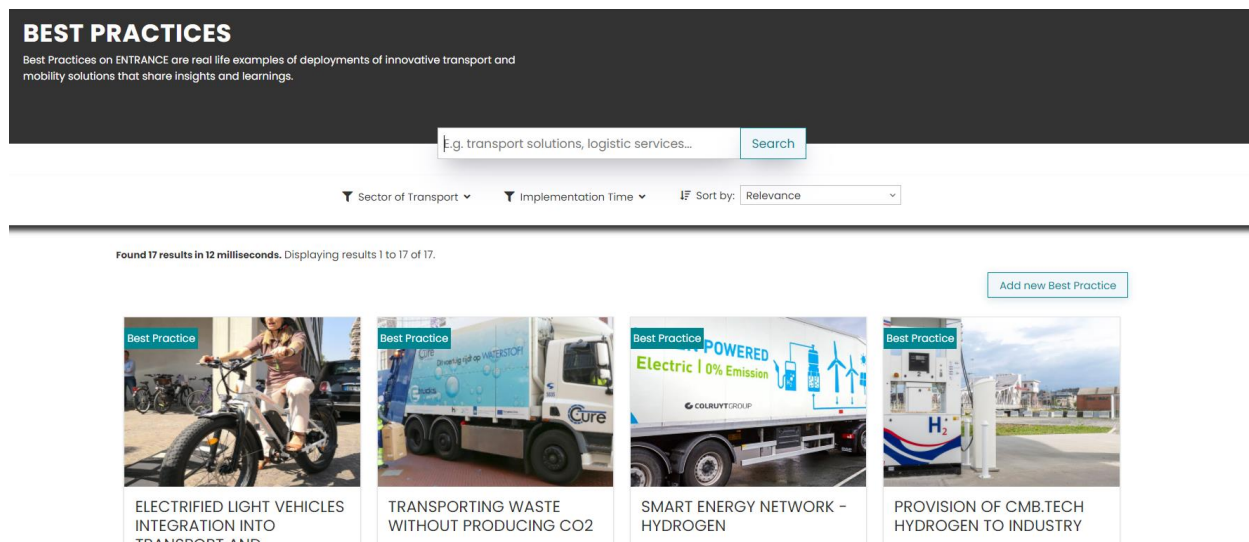


Figure 21. Best Practices

#### 4.7.2. LEGISLATIONS

Under this tab, the relevant EU legislative framework and specific legislations related to the area of deployment of transport and mobility solutions are searchable (Figure 22).

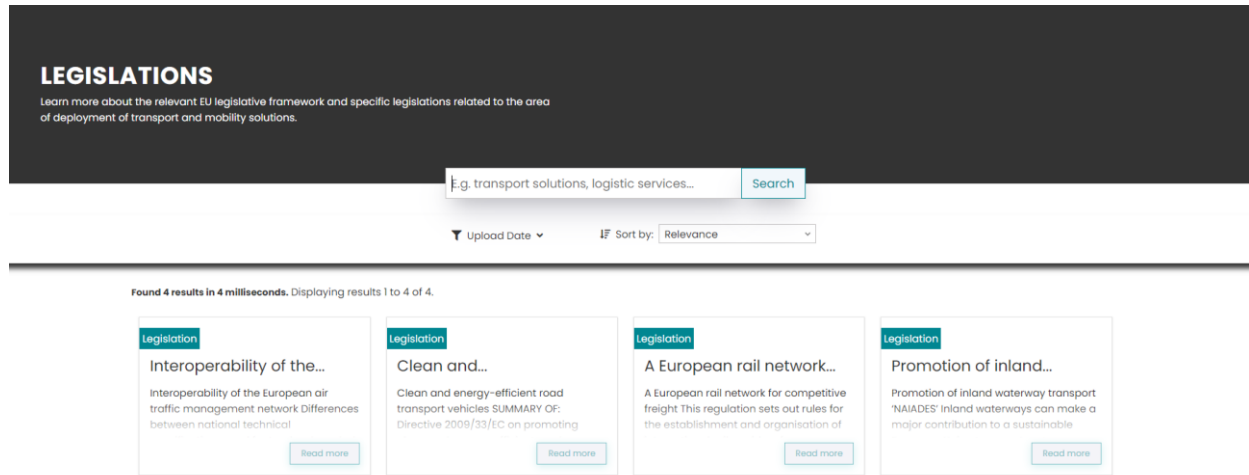


Figure 22. Legislations

### 4.7.3. COLLABORATIONS

In this section, support documents for purchase aggregation services are available. The legal document templates provided in this section have been created by the ENTRANCE neutral trust to help transport and mobility solution providers and buyers overcome the technicalities connected to building partnerships and achieving a market uptake.

In particular, the section will also include:

- Templates for cooperation: Memorandum of understandings, Non-Disclosure Agreements, etc.
- Contract templates: Individual purchase contracts, collaborative services contracts, etc.

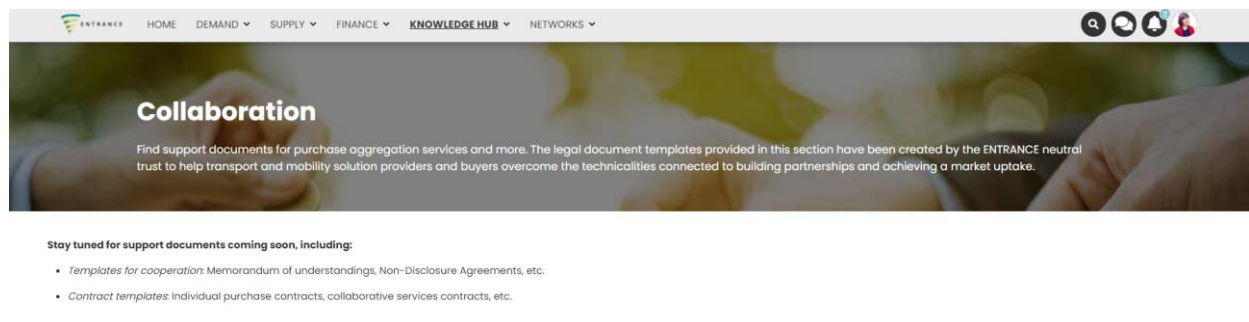


Figure 23. Collaboration

#### 4.7.4. FAQ

General information about the platform are provided here (Figure 24) and

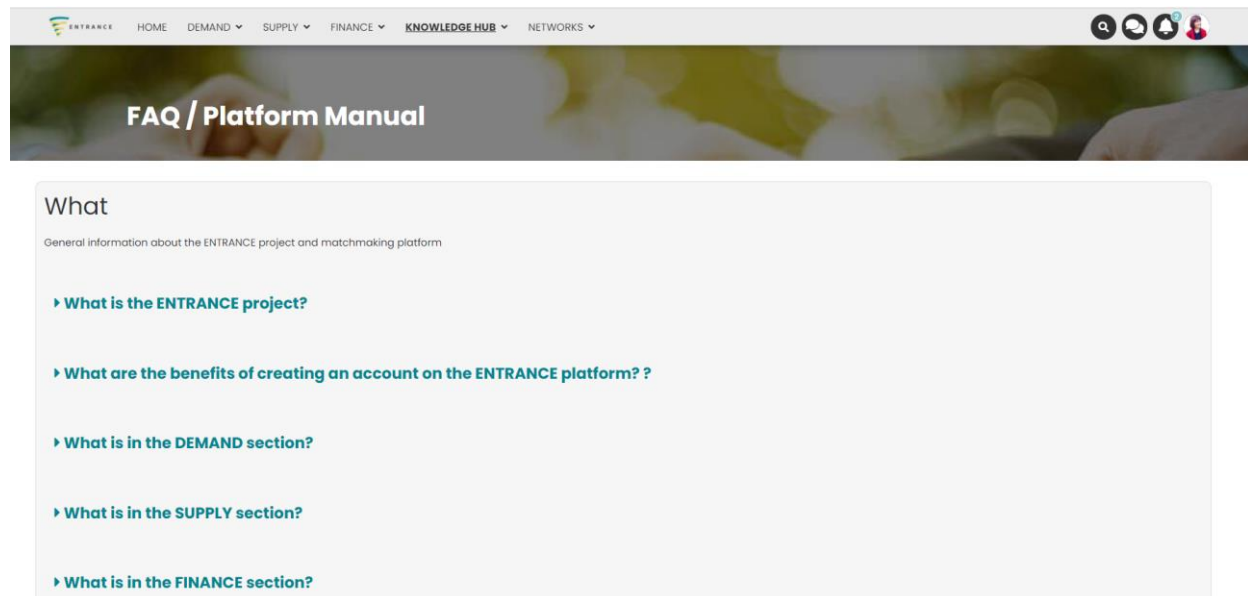


Figure 24. FAQ/Platform Manual

#### 4.7.5. TRAINING

In this section, the view training recordings and other materials from ENTRANCE project training events is available and downloadable.

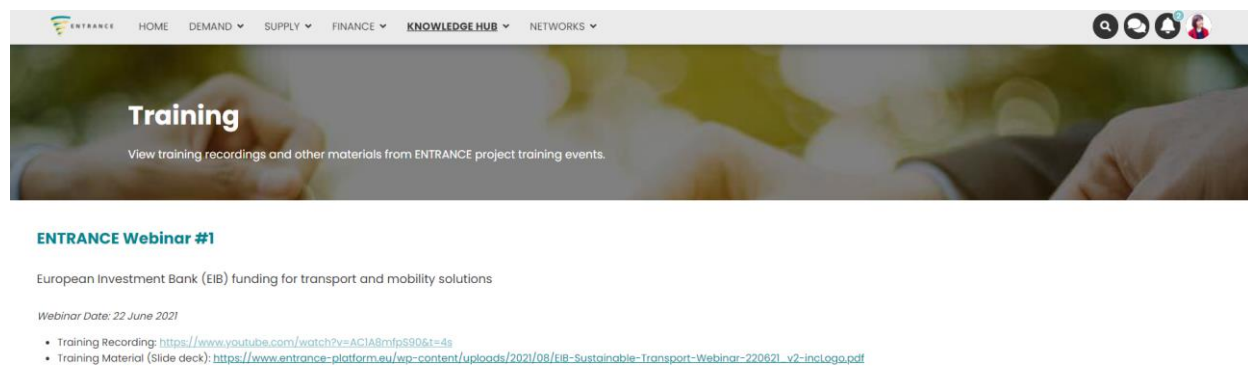


Figure 25. Training

#### 4.7.6. NEWS, DOCUMENT REPOSITORY, EVENTS (directly addressed to the public website)

All these part are addressed to the relative sections of the public website, well described in the previous deliverable 2.1. ENTRANCE WEBSITE.

## 4.8. NETWORK

Under NETWORKS, learn more about the following partner organisations of the ENTRANCE project and platform:

- Project partners of the ENTRANCE project consortium, representing diverse aspects of the transport and mobility sector.
- Partner platforms of the ENTRANCE platform that provide additional information, tools and services relevant for the transport and mobility sector stakeholders.

### 4.8.1. PROJECT PARTNERS (directly addressed to the public website)

The link is connected to the page dedicated to THE CONSORTIUM (<https://www.entrance-platform.eu/the-project/who/>)

### 4.8.2. PARTNER PLATFORMS

On this page the Partner platforms related to the topic are listed (Figure 26).

These platforms provide additional information, tools and services relevant for the transport and mobility sector:

**BABLE smart cities core platform** – BABLE offers an exchange platform for the Smart City community and provides a digital toolkit to facilitate implementation of smart and sustainable solutions in cities. It enables innovative companies, public authorities, and experts to exchange information, ideas, products, services and Use Cases as reference projects. In addition to providing the underlying core modules and functionalities of the ENTRANCE platform (adapted to the requirements of ENTRANCE), the BABLE smart cities platform is continuously being improved by public and private users from more than 30 countries and will provide valuable inputs on assets including urban mobility solutions and use cases (best practices). The ENTRANCE platform registration will also be promoted to relevant BABLE platform members working in the transportation and logistics sectors, and the BABLE platform can be promoted in a planned 'Partner Platforms' area within the ENTRANCE platform itself.

**ITAINNOVA / Enterprise Europe Network (EEN)** – The Enterprise Europe Network “helps businesses innovate and grow on an international scale as the world’s largest support network for medium-sized, internationally-ambitious SMEs. ITAINNOVA operates a EEN (<https://een.ec.europa.eu/>) branch, supporting companies by providing services, training and increasing their competitiveness through innovation. Currently it is planned that ITAINNOVA will manually direct relevant users from its EEN branch to the ENTRANCE platform, with the ENTRANCE platform in turn cross-promoting EEN where relevant.

**EIT UM Factory platform concept** – Assets (e.g. best practices, events, tenders) from the EIT Urban Mobility Marketplace and ENTRANCE can be mutually exchanged and featured on both platforms. While a hard-coded, linked connection between the platforms is not anticipated, current opportunities for connection being explored include cross-referencing the platforms after sign-up and cross-promoting the

platforms through a 'Partner Platforms' area within the ENTRANCE platform itself. As the launch of the EIT Urban Mobility Marketplace is planned for Q4 2021, the exact nature of the exchange is still being defined and will be updated once agreed.

**ALICE-ETP Knowledge platform** – The European Technology Platform ALICE (<https://www.etplogistics.eu/>) is set-up to develop a comprehensive strategy for research, innovation and market deployment of logistics and supply chain management innovation in Europe. ALICE is based on the recognition of the need for an overarching view on logistics and supply chain planning and control, in which shippers and logistics service providers closely collaborate to reach efficient logistics and supply chain operations. The platform provides a database of ca. 50 public-funded projects (including deliverables, presentations, etc.) as well as companies and funding opportunities, which can be linked where relevant and incorporated into the ENTRANCE platform. Additionally, similar to the plans for the EIT UM platform linkage, currently it anticipated to crosspromote the platforms to relevant (potential) users to expand the database of relevant ENTRANCE users. While it is known that the platforms will seek cross-promotion opportunities including promotion of the ALICE-ETP platform in a 'Partner Platforms' area within the ENTRANCE platform the exact nature of the exchange will be finalised closer to or shortly after the platform planned for September 2021.

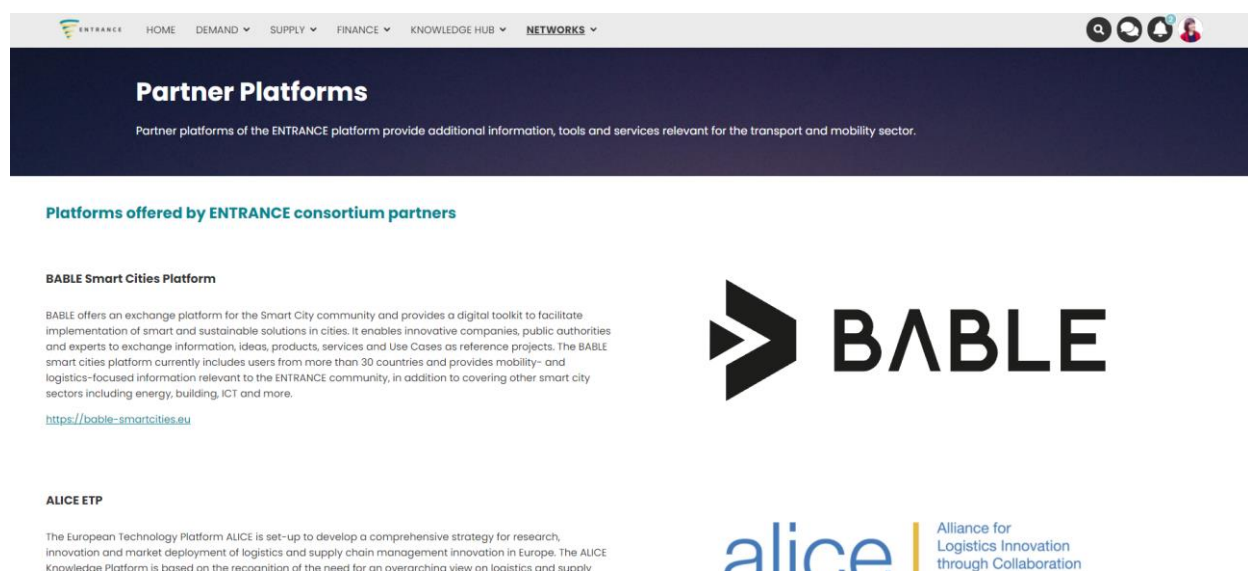
**Wheesbee (INNEN)** - Stakeholders, innovation trends, financing programmes, and best practices within the realms of transport and mobility are identified through the combined use of the in-depth innovation analytics tool – the WheesBee – and the knowledge base of partners and external expert networks and innovation intermediaries. By leveraging on Machine Learning (ML), Hybrid Natural Language Processing (HNLP) techniques, and Social Network Analysis (SNA) algorithms, the WheesBee is a Semi-Automated Innovation Analytics (AIA) web platform, that provides the user with on-demand innovation discovery and analysis capabilities, ad-hoc innovation analytics reporting tools, and in platform dashboard mechanisms for reporting on the (changemaker, breakthrough, matured, and incremental) research hotspots, network ecosystems of Research and Development (R&D) alliances, creative profile of institutional actors in project-based innovation activities (e.g. nationally-, regionally- or EU-funded innovation projects), and R&D outputs (i.e. patent data, bibliometric data). The platform combines and synthesises high-volume, third-party, pre-aggregated R&D data from various relational R&D databases (e.g. patent databases, CORDIS, bibliometric databases, Crunchbase); applies HNLP, advanced mashup and dimensional modelling techniques when mapping source R&D data to the destination (i.e. WheesBee web platform); and, reports on the innovation analytics information in a variety of visualisation and reporting formats (e.g. social network graphs of R&D partnerships formed by innovation projects, patent analytics charts, spreadsheets). By adopting a keyword search strategy, ENTRANCE is extracting traces of innovation solutions codified in various R&D data sources (e.g. patents, published research papers, publicly funded innovation projects, early-stage venture capital deals) with the objective of identifying, quantifying, and concept-mapping the distributed, unstructured knowledge base. This platform enable ENTRANCE to spot: (i) entire R&D&I stakeholders' landscape, formed by various types of actors (e.g. RTOs, SMEs, big industrial players, etc.); (ii) Transport innovation concepts and their TRL maturity levels; (iii) competitive impact and integration of

transport solutions in products and processes across time; and (iv) stability and dynamic nature of technological trajectories.

External platforms:

External information platforms and online tools such as Innovation Radar, TRIMIS and the EIPP platforms will provide interesting sources of information through cross-searches to inform platform assets.

**Horizon Results Platform** – In a new development since the project commenced, currently there a linkage is being planned between the ENTRANCE platform and the Horizon Results platform (<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizonresults-platform>). By collaborating with Horizon Results platform prior to the ENTRANCE platform launch, the ENTRANCE project is able to define asset fields (e.g. for user registration, best practice upload) in a meaningful way such that relevant asset data can be transferred through an application programming interface (API) between the two platforms in a standardised way to facilitate user registration. ENTRANCE also plans to include fields on e.g. whether implementations received EC funds, so that data transferred is also mutually valuable for the Horizon Results platform. Currently it is planned that there will be a manual direction of relevant users from Horizon Results to ENTRANCE; these users will be identified by the ENTRANCE Project Coordinator and provided with a pre-defined link that, if they choose to register to the ENTRANCE platform, will pre-populate relevant information from their solution(s) already uploaded to Horizon Results platform and being brought to ENTRANCE platform. It is also planned to promote the Horizon Results platform in a 'Partner Platforms' area within the ENTRANCE platform itself. The full nature of this planned linkage is still under development and therefore will be elaborated once this planned process has been finalised and implemented



The screenshot shows the 'Partner Platforms' section of the ENTRANCE website. It features a navigation bar with links for HOME, DEMAND, SUPPLY, FINANCE, KNOWLEDGE HUB, and NETWORKS. The main heading is 'Partner Platforms' with a subtext: 'Partner platforms of the ENTRANCE platform provide additional information, tools and services relevant for the transport and mobility sector.' Below this, there are two featured platforms:

- BABLE Smart Cities Platform**: BABLE offers an exchange platform for the Smart City community and provides a digital toolkit to facilitate implementation of smart and sustainable solutions in cities. It enables innovative companies, public authorities and experts to exchange information, ideas, products, services and Use Cases as reference projects. The BABLE smart cities platform currently includes users from more than 30 countries and provides mobility- and logistics-focused information relevant to the ENTRANCE community, in addition to covering other smart city sectors including energy, building, ICT and more. <https://bable-smartcities.eu>
- ALICE ETP**: The European Technology Platform ALICE is set-up to develop a comprehensive strategy for research, innovation and market deployment of logistics and supply chain management innovation in Europe. The ALICE Knowledge Platform is based on the recognition of the need for an overarching view on logistics and supply

Logos for BABLE and ALICE are displayed to the right of their respective descriptions.

Figure 26. Partner Platforms

## 5. TECHNICAL SPECIFICATIONS AND SECURITY ISSUES

As described in the deliverable 1.3, the ENTRANCE Matchmaking Platform is based on the TYPO3 content management system, which is free and open source. It is capable of running on several web servers as well as on top of many operating systems, making it highly flexible. Additional benefits to using TYPO3 at the content management system for the platform include:

- The ability to extend with new functions without writing any program code
- A built-in localization system that can support publishing content in multiple languages
- Advanced front-end editing capabilities for creating an ideal user viewing and navigation experience on the platform
- Scalability to support the platform as it grows in users and needs, e.g., adding additional functionalities to the platform, both during ENTRANCE and beyond the life of the project.

BABLE, one of the project partners developing the platform, implemented and followed a Privacy Statement on the ENTRANCE Matchmaking Platform in accordance with the General Data Protection Regulation (GDPR). Users registering for the platform will agree to this Privacy Statement and will accept all the security standard.