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Type of Action: **Coordination and support action (CSA)**

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## **D4.3 Generic communication and dissemination package – Nr.2**

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*Version 1.0*

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## Abbreviations

Abbreviation	Definition
EC-INEA	European Commission's Innovation and Networks Executive Agency
ISPIII	infra4Dfuture Stakeholder Platform for Infrastructure Innovation and Implementation
H2020	Horizon 2020 EU Research and Innovation Program
NTIA	National Transport Infrastructure Authorities
TRA	Transport Research Arena

## Executive summary

This document includes the second version of the general communication and dissemination package of the infra4Dfuture project. It has been produced by the Centre for Research and Technology Hellas (CERTH) / Hellenic Institute of Transport (HIT).

This document consists of the description of the communication and dissemination material that has been produced since the first version of this document, as well as updates of already existing material and tools. These include the official i4Df leaflet, the 1<sup>st</sup> and 2<sup>nd</sup> project newsletters, updates on the project website and the project social media. The aim of these tools is to be used, for the wide dissemination of the project and the communication of its scopes and findings to the involved stakeholders, the research community and the public. Therefore, it is of primary interest of the i4Df Consortium to continuously improve them and keep them up to date with the project progress and findings.

Thus, throughout the project duration these tools will be updated when needed and following the progress of the project work, in order to reflect the status of the project and to actively involve all related parties to its activities.

## 1 Introduction

Infra4Dfuture (i4Df) is a 24-month project under the H2020 topic of MG-2-4-2018-“Infrastructure Innovation for the Future”.

infra4Dfuture aims to develop a demand-driven overarching strategy and coordination mechanism for the modernization of transport infrastructure including a shared strategic vision on future infrastructure capabilities and common pathways for innovation development and implementation.

Facing a variety of emerging challenges, such as climate change, resilience, ageing infrastructure, maintenance, digitalisation, automation, energy and electrification, the National Transport Infrastructure Authorities (NTIA) have urgent requirements for infrastructure innovation. In view of the long cycle times in infrastructure management and the rapid mounting pressure from these challenges, there is a need for fast delivery of ready-to-implement, cost-effective innovative solutions matching the requirements of the NTIA that jointly build the TEN-T network.

The infra4Dfuture consortium encompasses 20 partners from 17 countries, 19 of them being NTIA, joining forces to develop:

- a strategic coordination mechanism aiming to deliver a concerted cooperation and collaboration across a portfolio of relevant European and national innovation programmes and initiatives;
- a shared strategic vision on future infrastructure capabilities, each capability encompassing a series of focus areas for innovation.

infra4Dfuture is based on a sound and coherent consultation and dialogue process with relevant stakeholders. This process will be structured in a sequence of strategic, decision-making conferences and a supporting, tactical sequence of expert workshops and regional events. These will culminate in the founding of the infra4Dfuture Stakeholder Platform for Infrastructure Innovation and Implementation (ISPIII) at the TRA 2020. ISPIII will ensure a continuation of the coordination mechanism and shared vision beyond the duration of the action. Follow-up ISPIII events will take place at the consecutive biannual TRA conferences.

### 1.1 Purpose of the document

Following the infra4Dfuture Dissemination Strategy, as defined within D4.1, and the first issuing of communication and dissemination material in D4.2, D4.3 includes an update of this generic communication and dissemination package produced for the infra4Dfuture project. This package already included a collection of tools for the broad dissemination of the project aims and outcomes, to be used by the consortium partners and cooperating bodies, in order to reach broad audiences and enable the effective communication of the infra4Dfuture achievements, while also attractive valuable contributions from the addressed stakeholders groups. In D4.3, this collection has been enriched with new material, while the already existing tools have been continuously updated with emerging information from the project activities.

In particular, the tools that are being described in D4.3 are:

- The updated official project leaflet

- The 1<sup>st</sup> Newsletter
- The 2<sup>nd</sup> Newsletter
- The updated i4Df Website
- The i4Df Social Media

This deliverable refers to Task 4.1

## 2 Official i4Df leaflet

The project leaflet is an essential tool to raise awareness on the project. For the needs of 1st Stakeholder Conference, a first leaflet was prepared by RWS, including basic information regarding i4Df project and the consortium. Following this, a more illustrative leaflet has been produced, including all the essential project information (Project logo, origin, stakeholder engagement, approach, content, expected outcomes, consortium partners and coordinator contact details) in a threefold A4 format. This constitutes the official i4Df leaflet; copies of this leaflet are printed on high quality paper and distributed to the Consortium partners for further dissemination in i4Df events, conferences, interactions with stakeholders and any other occasion. Since its original issuing, the leaflet has been updated, accommodating small changes and updates on the i4Df events' planning. The updated leaflet can be found in Annex I.

## 3 1<sup>st</sup> and 2<sup>nd</sup> i4Df Newsletters

### 3.1 Newsletter template

The newsletter is a useful dissemination tool, as it constitutes a document for direct communication of the project results to all interested recipients. Within i4Df project lifetime four Newsletters are planned to be issued and distributed to a wide list of related parties (researchers, road authorities, EU and local policy makers, etc.). For this reason, a common template has been designed from this early stage of the project, in order to define a uniform format and structure for the Newsletters layout (see D4.2).

The template has been created in Microsoft Publisher, which is a practical tool for Newsletters creation and allows an illustrative design. The front page includes the i4Df project, the title of each Newsletter, the most important news, as well as a table of contents of the whole Newsletter. The next pages are aimed to include other news of the project, in combination with photos, key messages, links to related web pages, etc. Finally, the last page is standard, providing general information on the project and its partners and the contact details of the coordinator, along with the standard disclaimers. A series of different layout options are suggested, to be selected according to the text length and availability of illustrative material for each entry.

### 3.2 1<sup>st</sup> i4Df Newsletter

The 1<sup>st</sup> i4Df Newsletter has been issued in January 2019 and is since available on the project website.



Figure 1: The front page of the 1<sup>st</sup> i4Df Newsletter

It starts with some general information about the i4Df project and its content and expected outcomes. Then it provides an overview of the kick-off meeting in Brussels and the 1<sup>st</sup> Stakeholder Conference, summarizing the main points of both meetings, including also pictures from the events.

Moreover, it also contains a first summary of the *Transport Infrastructure Capabilities for 2040*, along with overall information on the project events, with emphasis on the 1<sup>st</sup> Expert Workshop that was upcoming and the final Conference, to be held during the TRA 2020 Conference.

Finally, information on the project website, the social media and the Consortium, along with the contact details of the Coordinator are presented in the last page of the document.

The 1<sup>st</sup> i4Df Newsletter can be found in Annex II.



### 3.3 2<sup>nd</sup> i4Df Newsletter

The second i4Df Newsletter is issued in May 2019 and uploaded on the project website.



Figure 2: The Front Page of the 2<sup>nd</sup> i4Df Newsletter

It starts with a summary of the status of work in project, highlighting its main achievements so far and pointing out that the project is in full progress and is processing according to this planning.

Then a section about D1.1: Stakeholder Map for Transport Infrastructure Innovation follows, underlining the main findings of this Deliverable.

In the next pages, focus is put on the already realised and upcoming events, as these are of special importance at this stage of the project. First, the outcomes of the 1<sup>st</sup> Expert Workshop, which took place in Bergisch Gladbach on February 2019 are shortly presented, illustrated with pictures from the event. The 3<sup>rd</sup> GB meeting, held in Thessaloniki early May 2019 is also presented, while a whole page is dedicated to the 2<sup>nd</sup> Stakeholder Conference, held in Brussels on 22<sup>nd</sup> May, presenting its aim and organisation, along with outcomes and pictures.

Finally, the upcoming EU Regional Outreach Events, planned for September to November 2019, hosted in four different project countries are announced, providing details on the dates and venues, thus inviting interested parties to attend them.

At the end of the document, the standard project communication page is included, with details on the website and social media, as well as presentation of the Consortium and contact details of the Coordinator.

The 2<sup>nd</sup> i4Df Newsletter can be found in Annex III.

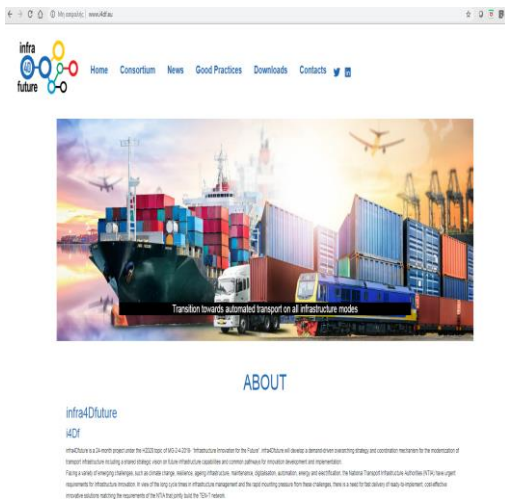
## 4 i4Df Website

The i4Df website (D4.10) has been designed and launched in M3 of the project by CERTH/HIT and can be found at <http://www.i4df.eu/>

Ever since its first launch, the website serves as a dynamic tool, constantly updating with project news, announcement, achievement and any other relevant content.

Moreover, improvements have been made, in cooperation and upon suggestions from the project Coordination team and Consortium partners, in order for it to be more attractive and user friendly, thus better addressing the project audience. Such improvements include:

- The overall redesign of the website front page:
  - Addition of a banner, with rolling images (provided by Consortium partners), has been created and placed at the top of the home page – after the menu (see Figure 3).



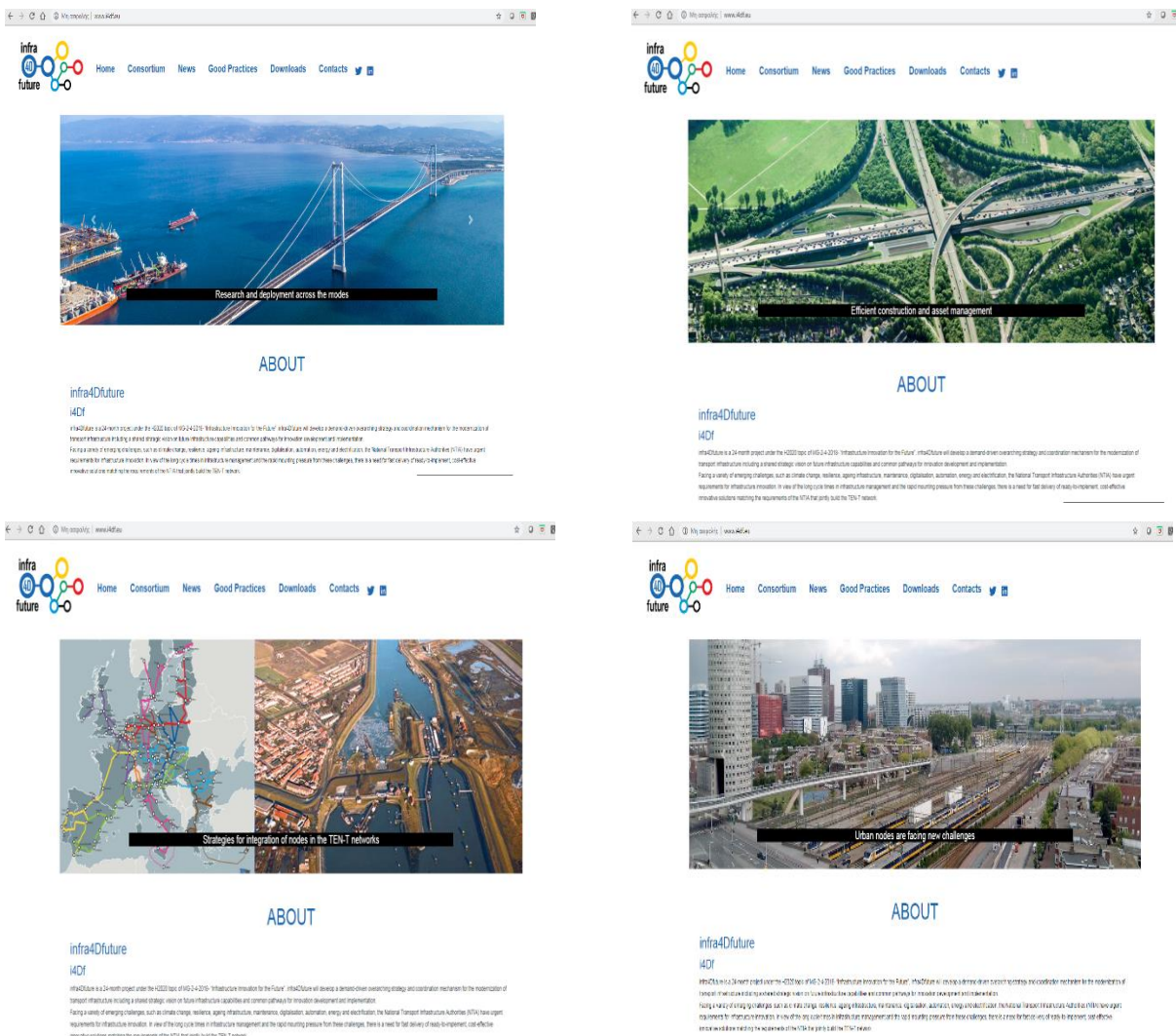


Figure 3: Banner with different images on i4Df front page

- The “Latest News” area on the front page has been updated to a more attractive way of presentation (see Figure 6).

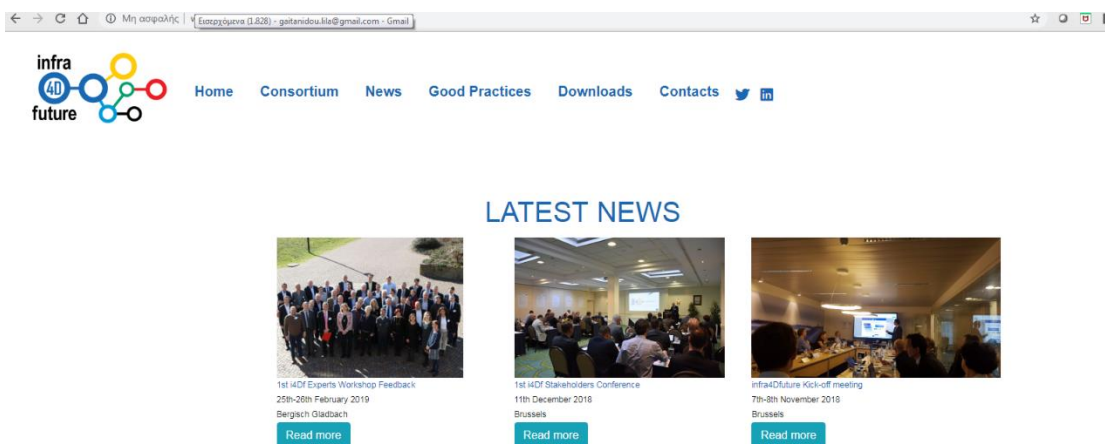


Figure 4: The “Latest News” area on the front page of i4Df website

- An “Events list”, with active links leading to more information about each specific event and a special field allowing the visitors to subscribe for the i4Df Newsletter have also been added in the first page (see Figure 5).

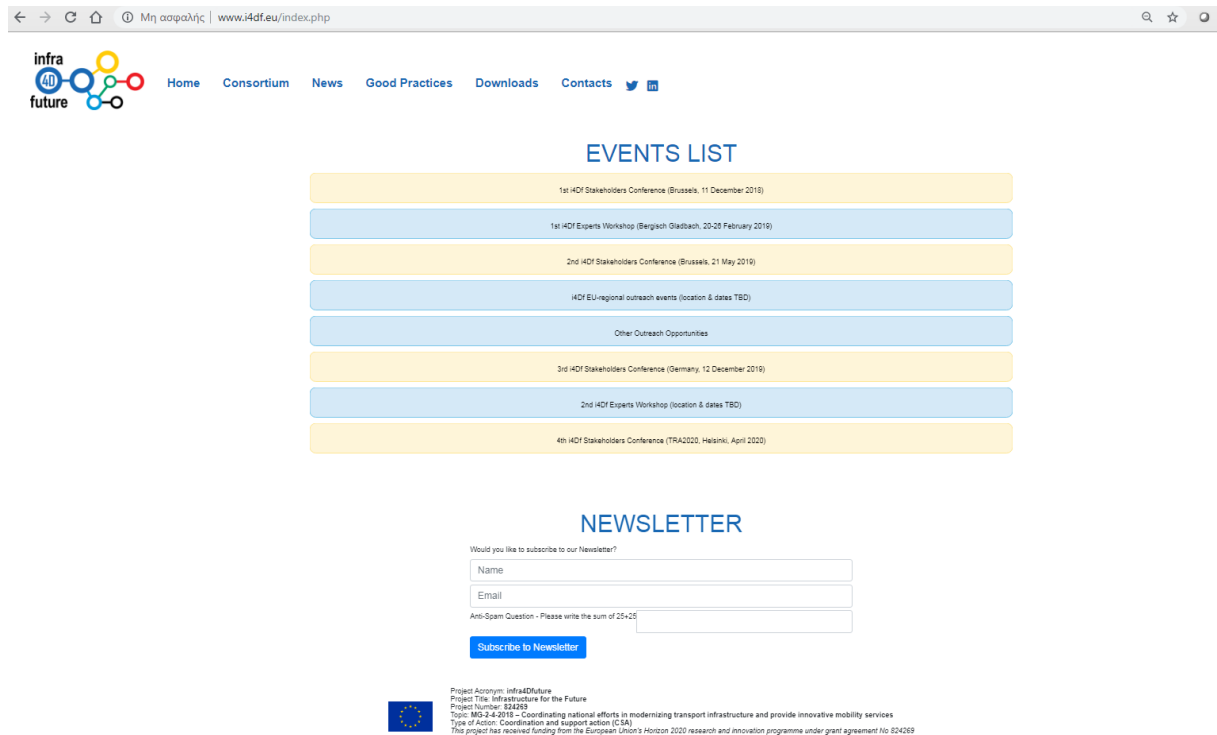


Figure 5: The “Events List” and “Newsletter” registration areas on the front page of i4Df website

- The update of the “Contacts” page to a more attractive way of presentation (see Figure 6).

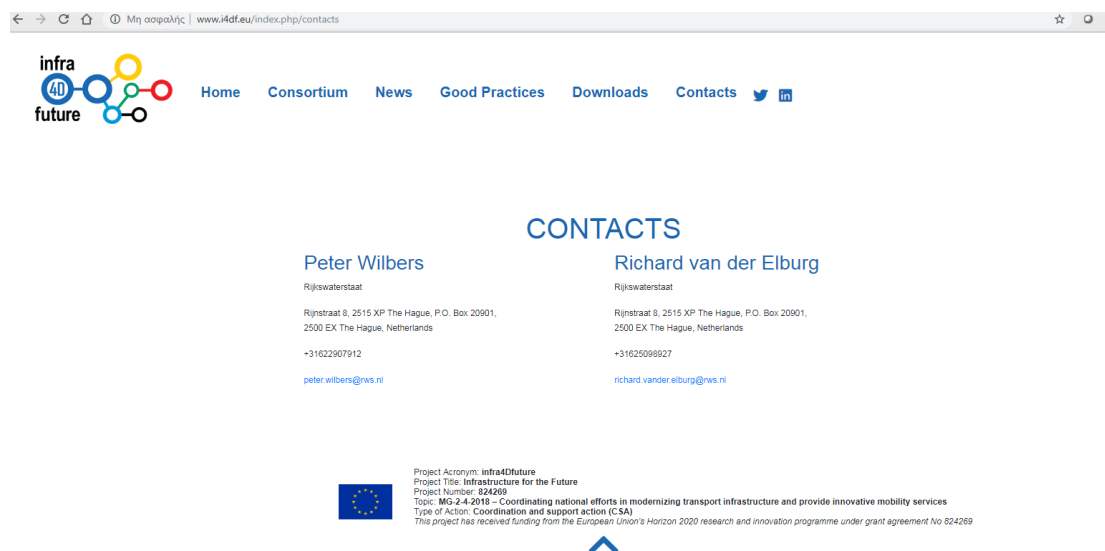


Figure 6: The updated “Contacts” page of i4Df website

- The merging of the “Events” and “News” pages to a new “News” area, including content of both previous pages in a more attractive way (see Figure 7).

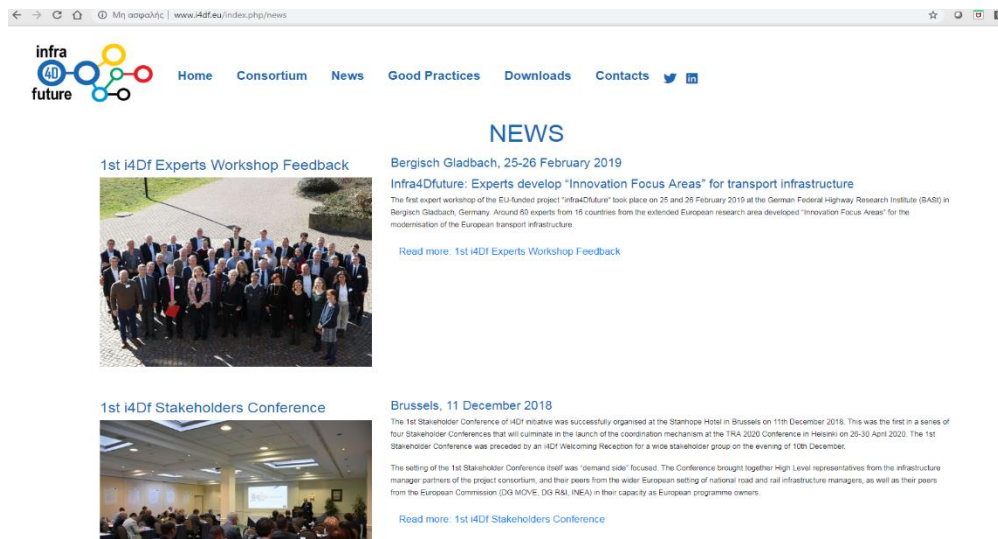


Figure 7: The updated “News” page of the i4Df website

- Finally, compatibility with different web browsers has been thoroughly looked into and now the website is compatible with the most commonly used ones (IE11, Chrome, Firefox, Opera).

As the website is one of the main images of the project to the world, improvement will continue when necessary, while updates are also performed periodically, following the progress of the project.

## 5 i4Df Social Media updates

As thoroughly discussed in D4.1, the use of social media aims at raising interest in infra4Dfuture, promoting the project and informing a broader audience on project news and developments.

Project specific [Twitter](#) and [LinkedIn](#) accounts have been created by CERTH/HIT, to raise awareness and maximise exposure. Relevant buttons/icons for infra4Dfuture social media accounts are also included in the infra4Dfuture website.

The specific rules for the use of the infra4Dfuture social media use are included in D4.1 and shall not be repeated here.

### 5.1 LinkedIn

LinkedIn® is a professional network and discussions are rather fact based. The LinkedIn group for infra4Dfuture is used for engaging with a professional public in discussions and disseminating project results.

The group can be reached at <https://www.linkedin.com/groups/13655794/> and all project partners have been invited to join the group and invite their related contacts to do so as well. The number of LinkedIn members is 61 till the time of this deliverable production and it is constantly increasing.

All partners are requested to make posts on the project’s social media platforms, after attending conferences or events where the infra4Dfuture project is promoted/ disseminated. This can be done through their personal accounts and sharing it to project’s homepage for

each account or sending the appropriate information to CERTH/HIT that is the administrator of the accounts.

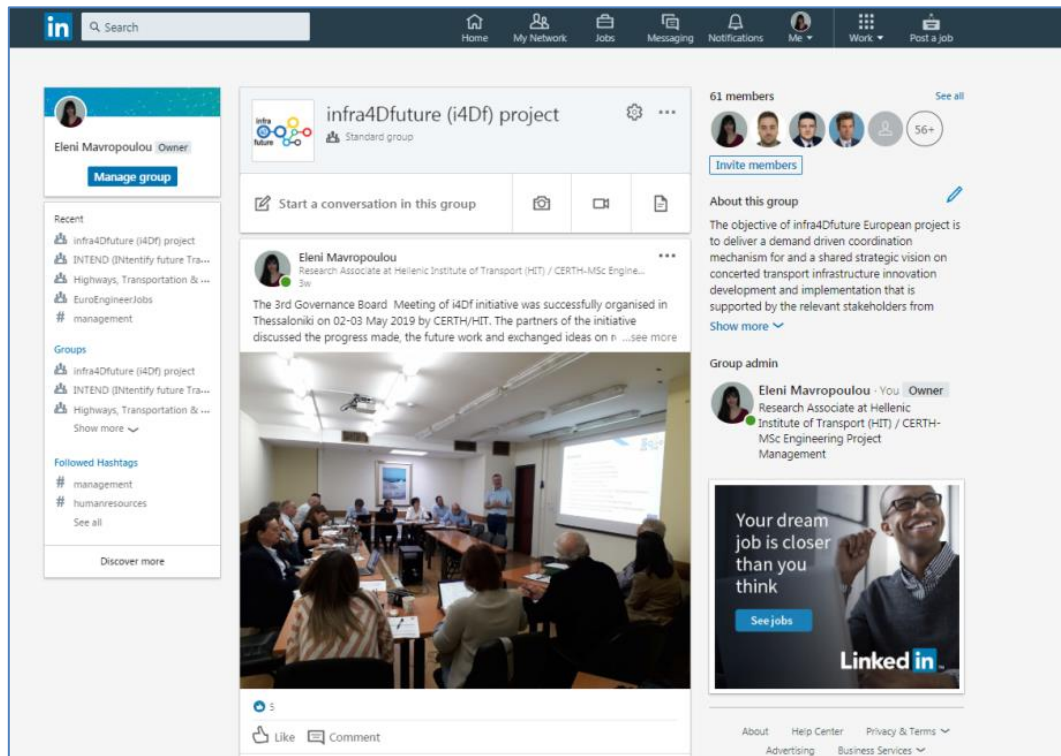


Figure 8: i4Df LinkedIn group

## 5.2 Twitter

Twitter® is a very effective tool to spread important pieces of information within seconds to a broad public. Therefore, short messages (140 characters maximum) can be published to inform about the latest project news.

An infra4Dfuture Twitter® account has been created by CERTH/HIT (<https://twitter.com/i4Dfproject>) which allows a quick overview of what is going on in the project, providing links to related websites for more details, plus giving the opportunity to comment on information. By generating followers, an infra4Dfuture community is being developed, sharing the news in time and keeping in touch if desired. More details on the use and rules for the Twitter account can be found in D4.1.

All partners are requested to send information about their i4Df dissemination activities to CERTH/HIT, in order to post them accordingly. The number of Twitter followers is 14 till the time of this deliverable production and it is constantly increasing.



Figure 9: i4Df Twitter account

## 6 Conclusions

Deliverable D4.3 presents the second version of the generic communication and dissemination package that has been produced by CERTH/HIT, with contribution from the Coordination team.

This package consists of a series of tools, to be used by the Consortium partners and beyond, which are: the i4Df official leaflet (updated), the 1<sup>st</sup> and 2<sup>nd</sup> i4Df Newsletters, the updated i4Df website, as well as the i4Df social media.

The aim of this material is threefold: first to create a standard and recognisable visual identity for the project (with the use of common templates for its dissemination actions); second, to broadly disseminate the project aims, goals and foreseen activities (with the distribution of the leaflet in any available occasion); and, third, to communicate the project progress, activities and achievements in periodic (with the issue of the four i4Df newsletters, two of which are already available) and as well as day-to-day (through the i4Df social media and website) basis, while also attracting useful interactions and feedback.

The ultimate aim is to foster the effective and direct dissemination and communication of project activities and outcomes to the directly address (i.e. involved stakeholders) along with broader (i.e. the general public) audience for the open, interactive and fruitful project elaboration.

## ANNEXES



ANNEX I: i4Df leaflet

stakeholder engagement

**infra4Dfuture stakeholder engagement**

The coordination mechanism will build on a structured dialogue between relevant stakeholders from public, industry and research. In this dialogue the demand side for innovation and implementation is formed by the public infrastructure managers as the 'issue owners' and hence the implementing client for innovation, and European and transnational public programme owners as funding client. The supply side in the dialogue is formed by relevant industry as lead supplier of innovation, and supporting research providers.

Innovation and Implementation DEMAND

PUBLIC ISSUE OWNERS

INNOVATION PROGRAMME OWNERS

↔

Innovation and Implementation SUPPLY

INDUSTRIAL LEAD SUPPLIERS

RESEARCH PROVIDERS

**infra4Dfuture outcomes:**

- Concerted rolling transport innovation programme portfolio until 2040, spanning European, and transnational innovation programmes
- Comprehensive coordination mechanism, supported by the relevant stakeholders, to guide the development and deployment of the activities within the respective concerted portfolio of programmes with aim to drive the effective delivery of demand driven, ready to implement, cost effective innovative solutions.
- Supported framework for professional competence building in order to support the implementation and deployment of the innovative solutions up to larger network scales. On basis of this framework the stakeholders from education and training can be engaged.
- Strategic stakeholder platform to deploy the coordination mechanism during a multiannual period – 2021-2027 involving the relevant stakeholders from public, industry and research and guiding from a common vision on infrastructure capabilities for 2040.

consortium

1. Rijkswaterstaat (Ministerie van Infrastructuur en Waterstaat) - NL
2. Vaylä - FI
3. Agentschap Wegen en Verkeer - BE
4. Latvijas Valsts Ceļi - LV
5. Vejdirektoratet - DK
6. Trafikverket - SE
7. Statens Vegvesen - NO
8. BMVI (Bundesministerium für Verkehr und digitale Infrastruktur) - DE
9. BAST (Bundesanstalt für Straßenwesen) - DE
10. ANAS S.p.A. - IT
11. bmvit (Bundesministerium für Verkehr, Innovation und Technologie) - AT
12. Ministerio de Fomento - ES
13. Infraestruturas de Portugal - PT
14. Ministerstwo Infrastruktury - PL
15. Ministerstwo Gospodarki Morskiej i Żeglugi Śródlądowej - PL
16. CERTH / HIT (Centre for Research and Technology Hellas / Hellenic institute of Transport) - GR
17. Ministère de la Transition écologique et solidaire - FR
18. Netivei Israel - IL
19. Karayollari Genel Müdürlüğü - TR
20. TÜV Rheinland Consulting

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[www.i4df.eu](http://www.i4df.eu)
 @i4Dfproject
 www.linkedin.com/groups/13655794/

Building a strategy and coordination mechanism for future demand-driven multimodal transport infrastructure innovation and implementation

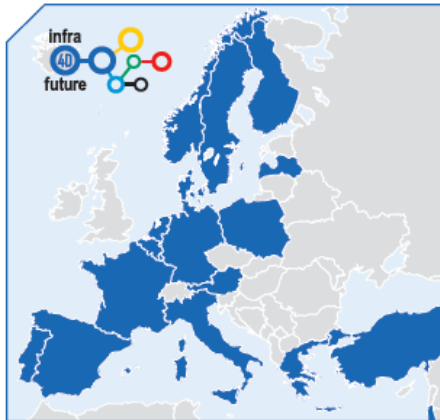
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824269.

origin

**infra4Dfuture origin**

Transport infrastructure managers have an urgent need for innovative solutions that are cost-effective and readily implementable in their operations. These operations comprise of the basic physical and organisational structures and facilities needed for the operation of the transport network. This includes buildings, access roads and flanking supply networks for power and data/information.

Acknowledging the large commonality in the challenges each of them needs to address, nineteen infrastructure managers from Europe, Turkey and Israel have joined forces in the infra4Dfuture (i4Df) initiative to deliver an effective coordination mechanism for demand driven infrastructure innovation and implementation up to larger network scales. The i4Df initiative is financed as a Coordination and Support Action (CSA) by the European Commission with a duration from 1 October 2018 to 30 September 2020 (Grant Agreement No 824269). In addition, the initiative is supported by the Conference of European Directors of Roads (CEDR) and the European Rail Infrastructure Managers (EIM).



Combined, the i4Df consortium partners are responsible for managing transport infrastructure that covers the largest part of the TEN-T network. Through the support from CEDR and EIM the initiative achieves virtually complete leverage of the results across the European transport system. i4Df joins forces to address common transport infrastructure challenges.

approach

**infra4Dfuture approach**

In order to build awareness, understanding, trust and endorsement, over the course of the project runtime (until 30 September 2020), four high level Stakeholder Conferences will be organised, in which high level representatives from the four mentioned stakeholder groups will discuss and conclude on the (strategic) content and workings of the mechanism. The high level Stakeholder Conferences are supported by expert workshops and EU-regional outreach events.

Following endorsement of the coordination mechanism in the fourth high level Stakeholder Conference that is planned in conjunction with the TRA conference in Helsinki in April 2020, its roll-out will focus on concertation of a portfolio for European and transnational innovation programmes for the next decade.

**infra4Dfuture events**



content & impact

**infra4Dfuture content**

The i4Df coordination mechanism will drive effective demand driven innovation and implementation from a common vision on the key capabilities of infrastructure management in 2040 and corresponding guiding objectives.



**infra4Dfuture impact**

The overall objective of delivering the i4Df coordination mechanism is to enable effective, demand driven infrastructure innovation and implementation ensuring noticeable benefits for the transport system's end-user. More in particular the impact of rolling out the i4Df coordination mechanism will be:

- More ready-to-implement, cost effective innovative solutions to address the challenges infrastructure managers are facing (already today). This will be enabled by cutting out duplications between the various corresponding innovation programmes as well as by enabling focused twinning of results, and structured gate reviewing of next stages in innovation development and implementation.
- Shorter time to market of the respective innovative solutions, enabling a faster response by the infrastructure managers –as the implementing clients- to the demands and needs of the end-users for infrastructure services. This will be enabled by anticipating follow-up stages along the designated innovation pathways towards deployment of cost-effective solutions. .
- More on target solutions through concerted cooperation and collaboration of the relevant stakeholders under the guidance of a coherent set of common, long term objectives from the public infrastructure managers. This approach will ensure appropriate 'market perspective' for industrial suppliers' innovation actions and initiatives.

i4Df will deliver maximum impact from innovation and implementation funding.

## ANNEX II: 1<sup>st</sup> Newsletter



Coordinating  
Transport Infrastructure  
Innovation and  
Implementation

# i4Df Newsletter 1

## i4Df IN A NUTSHELL

The infra4Dfuture (i4Df) initiative is a Coordination and Support Action (CSA) funded by the H2020 programme (Grant Agreement No 824289). The main aim of the initiative is to develop a demand-driven overarching strategy and mechanism for the transnational coordination of multimodal transport infrastructure innovation and implementation.

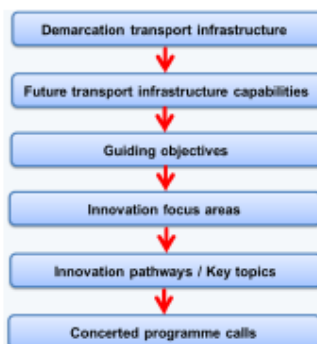
The infra4Dfuture consortium encompasses 20 partners from 17 countries, 19 of them being National Transport Infrastructure Authorities (NTIA) joining forces to develop:

- a strategic coordination mechanism for demand driven infrastructure innovation, aiming to deliver a concerted cooperation and collaboration between relevant stakeholders, across a portfolio of relevant European and transnational innovation programmes and initiatives,
- a shared strategic vision on future infrastructure capabilities, and corresponding key focus areas for innovation each.

The i4Df initiative has a duration from 1 October 2019 to 30 September 2020 and it is supported by the Conference of European Directors of Roads (CEDR) and the European Rail Infrastructure Managers (EIM).

## i4Df CONTENT

The i4Df coordination mechanism will facilitate effective demand driven innovation and implementation from a common vision on the key capabilities of infrastructure management in 2040 and corresponding guiding objectives. From this common vision, the innovation focus areas will be derived, which frame the pathways for innovation development and implementation, resulting in the demarcation of specific topics and corresponding calls across the concerted portfolio of European and transnational programmes.



i4Df Initiative process

30/01/2019  
Volume 1, Issue 1

Dear reader,

We would like to welcome you to the first i4Df newsletter presenting you an update of the initiative after its start-up.

### INSIDE THIS ISSUE

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### i4Df PUBLICATIONS SECTION

All i4Df initiative deliverables and articles are available in the i4Df website under the publications section

<http://www.i4df.eu/downloads.html#>

### UPCOMING DELIVERABLES

"Stakeholder map for transport infrastructure innovation"-March 2019

It will present a map, providing a first ever consolidated overview of all cross-modal stakeholder bodies in the European arena as well as a joint Vision on infrastructure capabilities until 2040.

## KEY EXPECTED OUTCOMES

- Concerted rolling transport innovation programme portfolio until 2040, spanning European, and transnational innovation programmes
- Comprehensive coordination mechanism, supported by the relevant stakeholders, to guide the development and deployment of the activities within the respective concerted portfolio of programmes with the aim to drive the effective delivery of demand driven, ready to implement, cost effective innovative solutions.
- Framework for professional competence building in order to support the implementation and deployment of the innovative solutions up to larger network scales. On the basis of this framework the stakeholders from education and training can be engaged.
- Strategic stakeholder platform to deploy the coordination mechanism during a multiannual period – 2021-2027 involving the relevant stakeholders from public, industry and research and guiding from a common vision on infrastructure capabilities for 2040.

*'For more details regarding i4Df initiative, please follow the link: <http://www.i4df.eu>'*

## KICK OFF MEETING IN BRUSSELS

The official Kick Off Meeting with the i4Df consortium partners took place in Brussels on the 7<sup>th</sup> and 8<sup>th</sup> November 2018 and was hosted by the coordinator Rijkswaterstaat (Ministerie van Infrastructuur en Waterstaat) at RWS Brussels Office. The aim and plans for the initiative realization have been discussed in detail.

The meeting commenced with a welcoming and opening speech by i4Df Coordinator Mr. Peter Wilbers, Senior Programme Advisor of RWS, followed by brief speeches of

the Policy Officer of DG MOVE, Mr. Rafal Stanecki and the Project Manager of INEA, Mr. Sergio Escoriba. Both EC officials highlighted the importance of the initiative in view of the need for modernization and competence development in EU Infrastructure along with the necessity for broad communication and implementation of the outcomes, to bring added value to EU citizens.

The meeting continued with an introduction to the i4Df initiative of RWS by Mr. Peter Wilbers, who described among others, the objectives and impacts as well as the structure and the approach of the initiative. Representatives from all Work Package leaders gave short presentation on the challenges, needs and objectives of the corresponding work packages.



Kick off Meeting Presentation

## 1<sup>ST</sup> STAKEHOLDER CONFERENCE

The 1<sup>st</sup> Stakeholder Conference of i4Df initiative was successfully organised at the Stanhope Hotel in Brussels on 11<sup>th</sup> December 2018. This was the first in a series of four Stakeholder Conferences that will culminate in the launch of the coordination mechanism at the TRA 2020 Conference in Helsinki on 26-30 April 2020. The 1<sup>st</sup> Stakeholder Conference was preceded by an i4Df Welcoming Reception for a wide stakeholder group on the evening of 10<sup>th</sup> December.

The setting of the 1<sup>st</sup> Stakeholder Conference itself was "demand side" focused. The Conference brought together High Level representatives from the infrastructure manager partners of the i4Df consortium, and their peers from the wider European setting of national road and rail infrastructure managers, as well as their peers from the European Commission (DG MOVE, DG R&I, INEA) in their capacity as European programme owners.

The Conference commenced with an opening speech by the Managing Director of i4Df Coordinator Rijkswaterstaat, Mr. Cees Branden. Subsequent presentations were made by Conference participants (EC-DG MOVE, EC-INEA, CEDR and EIM).

The Conference continued with an introduction to i4Df by Coordinator RWS as well as a presentation of the objectives of the event and explanation of the discussion sessions. Four roundtables offered the opportunity to the participants to engage in lively discussions about the needed capabilities for future

demand driven transport infrastructure innovation and implementation (with horizon 2040) and about the demarcation of transport infrastructure that i4Df should cover. The Conference concluded with a presentation of the next steps.

The objective of this first Stakeholder Conference was to achieve high level understanding and support for a common vision on infrastructure innovation and implementation needs until 2040 (road, rail), on related capabilities and initial innovation focus areas and on the demarcation of transport infrastructure. The outcomes of the 1<sup>st</sup> i4Df Stakeholder Conference will serve as input for the 1<sup>st</sup> Expert Workshop which is scheduled for 25<sup>th</sup> and 26<sup>th</sup> February at the BAST premises in Bergisch Gladbach, Germany.

For following Stakeholder Conferences and Expert Workshops a wider group of stakeholders will be invited, including Industrial Lead Suppliers and Research Providers.



1<sup>st</sup> i4Df Stakeholder Conference

### i4Df CONSORTIUM

The infra4Dfuture consortium encompasses 20 participants, 19 of them being NTIA covering road, rail and water transport infrastructure.

They represent national transport and infrastructure programmes from 17 countries that can be distinguished in

- EU Member States: Sweden, Finland, The Netherlands, Germany, France, Italy, Spain, Portugal, Latvia, Italy, Belgium, Greece, Poland and Austria;
- FP7 associated countries: Norway, Turkey and Israel.

### STAKEHOLDER INVOLVEMENT

The coordination mechanism will build on a structured dialogue between relevant stakeholders from public, industry and research:

- National Transport Infrastructure Authorities (NTIA)
- Innovation Programme Owners (IPO)
- Industrial Lead Suppliers (ILS)
- Research Providers (RP)



### 1ST EXPERT WORKSHOP

The next i4Df event will be the 1st Expert Workshop, scheduled for 25th and 26th February in Germany. The event will be hosted by Federal Highway Research Institute (BAST) at its premises in Bergisch Gladbach. The expert workshop will be attended by senior experts from the i4Df consortium partners and other relevant stakeholders. The experts will further develop and sharpen the innovation and implementation capabilities and related innovation focus areas.



### i4Df INITIATIVE FINAL CONFERENCE

The i4Df final event will constitute the Fourth Stakeholder Conference at the TRA 2020 that will be held in Helsinki.

The fourth stakeholder Conference will aim to secure support of the relevant stakeholders for the fully developed coordination mechanism, the i4Df Stakeholder Platform for Infrastructure Innovation and Implementation (ISPIII).



## “TRANSPORT INFRASTRUCTURE CAPABILITIES FOR 2040”

A “Transport infrastructure capabilities for 2040” document has been developed and presents a common, systemic vision on surface transport infrastructure capabilities for 2040 i.e. with a view to achieving a single European Transport Area servicing the same transport market (passengers, freight).

This common vision will serve as a guiding framework for cooperation and collaboration between infrastructure managers, innovation programme owners, relevant industry and supporting research on infrastructure development, innovation needs

and their implementation actions.

In its original version, it served as input for the first i4Df Stakeholder Conference on 11 December 2018, in order for the participants to discuss and conclude on the infrastructure capabilities for 2040, as well as on first notions on the innovation focus areas and required professional competences. Considering the suggestions captured from the conference, the paper is being updated to serve as input for the 1st Expert Workshop end of February.

### i4Df EVENTS

The 1<sup>st</sup> Stakeholder Conference of i4Df initiative took place in Brussels on 11th December 2018. In order to enhance awareness, understanding, trust and endorsement over the course of the project runtime (until 30 September 2020) three more Stakeholder Conferences will be organized in which high level representatives from stakeholder groups will discuss and conclude on the content and workings of the mechanism.

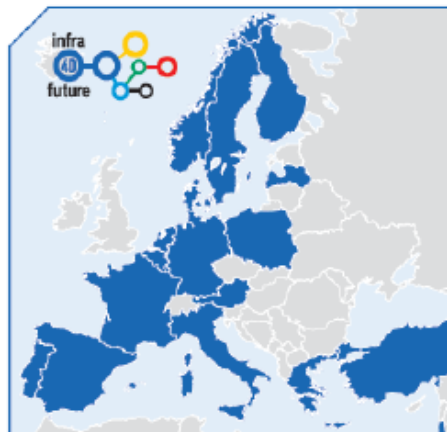
The Stakeholder Conferences will be supported by Expert Workshops and EU-regional outreach events that will be held throughout the duration of the project.



i4Df event dates set

## WEBSITE INFORMATION

For further information on the **i4Df initiative**, visit the website and subscribe to our newsletter to stay up to date : <http://www.i4df.eu>



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## i4Df Consortium

1. Rijkswaterstaat (Ministerie van Infrastructuur en Waterstaat) 
2. Liikennevirasto 
3. Agentschap Wegen en Verkeer 
4. Latvijas Valsts Celi 
5. Vejdirektoratet 
6. Trafikverket 
7. Statens Vegvesen 
8. BMVI (Bundesministerium für Verkehr und digitale Infrastruktur) 
9. BAST (Bundesanstalt für Straßenwesen) 
10. ANAS S.p.A. 
11. bmvit (Bundesministerium für Verkehr, Innovation und Technologie) 
12. Ministerio de Fomento 
13. Infraestruturas de Portugal 
14. MINISTERSTWO INFRASTRUKTURY 
15. MGMIZS (Ministry of Maritime Economy and Inland Navigation) 
16. CERTH / HIT (Centre for Research and Technology Hellas / Hellenic Institute of Transport) 
17. Ministère de la transition écologique et solidaire 
18. NETIVEI ISRAEL 
19. Karayollari Genel Müdürlüğü 
20. TÜV Rheinland Consulting 

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824269.*

## ANNEX III: 2<sup>nd</sup> Newsletter



Coordinating  
Transport Infrastructure  
Innovation and  
Implementation

# i4Df Newsletter 2

## i4Df IN PROGRESS

The infra4Dfuture (i4Df) initiative is a Coordination and Support Action (CSA) funded by the H2020 programme (Grant Agreement No 824289). The main aim of the initiative is to develop a demand-driven overarching strategy and mechanism for the transnational coordination of multi-modal transport infrastructure innovation and implementation.

i4Df is now running for 8 full months, with all its Work Packages in progress:

- The first project Deliverables are already issued (see below) and more are on the way.
- The 1<sup>st</sup> and 2<sup>nd</sup> i4Df Stakeholder Conferences have taken place in Brussels.
- The 1<sup>st</sup> i4Df Expert Workshop has been realised in Bergisch-Gladbach.
- The four EU Regional Outreach Events are in full preparation, planned for September-November this year (see page 4).

This ambitious project, encompassing experts and national transport infrastructure authorities from multi modalities from 17 countries, is proceeding according to plan, towards reaching its goal for better coordinated multi-modal transport infrastructure innovation and implementation in Europe and beyond.

## D1.1: STAKEHOLDER MAP FOR TRANSPORT INFRASTRUCTURE INNOVATION

One of the issued Deliverables concerns D1.1, with the following main contents:

- Overview of the relevant stakeholders to the i4Df initiative as the foundation on which the invitations to the following Stakeholder Conferences were/will be sent
- Initial description of the three infrastructure capabilities for 2040, including guiding objectives
- Initial overview of 14 corresponding innovation focus areas that are key to develop towards the guiding objectives
- Key notions on professional competence development as a starting point for further elaboration
- Initial references to strategic agendas and positions for the various stakeholders

with the ultimate aim of driving demand-driven innovation, spanning the entire process of research and deployment towards larger network scales.

For more information visit: <http://www.i4df.eu>

30/05/2019  
Volume 1, Issue 2

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CAPABILITY: Infrastructure optimally meeting end-user needs	CAPABILITY: Infrastructure meeting environmental and social sustainability needs	CAPABILITY: Infrastructure achieving added value from digitalisation
1-1: Guaranteed asset health and availability	2-1: Resource efficient manufacturing, construction and operations	3-1: Managing the transition towards the accommodation of automated transport on road, rail, air and waterways infrastructure
1-2: Integrated infrastructure life-cycle management	2-2: Advanced strategies and approaches for accommodation of the energy transition in transport	3-2: Advanced approaches and strategies for automated construction and maintenance of infrastructure with support of artificial intelligence
1-3: Service timed to the second	2-3: Advanced strategies and approaches to minimize the impact of noise/vibration, and pollutant emissions.	3-3: Secure and resilient data and information provision across the multimodal, transnational network (road, rail, water, air) for all users.
1-4: Responsible procurement fostering strong innovation delivery mechanisms	2-4: Advanced approaches and strategies for the integration of (urban) nodes in the TEN-T networks - multimodal, multi-scalar, and multi-objective	3-4: Data-driven and digitalized asset management
1-5: Key Performance Indicators to meet the end user's mobility and logistic needs		
1-6: Strategies and approaches for ensuring optimal safety, security and resilience of the infrastructure network		

Innovation Focus Areas for 2040 per capability





**i4Df PUBLICATIONS SECTION**

All public i4Df initiative deliverables and articles are available in the i4Df website under the publications section

<http://www.i4df.eu/downloads.html#>

**UPCOMING DELIVERABLES**

"Joint Vision on Transport Infrastructure innovation until 2040"

providing a consolidated, adequate detailed description of the infrastructure capabilities and the corresponding innovation focus areas.

**1<sup>ST</sup> EXPERT WORKSHOP IN BERGISCH-GLADBACH**

The 1<sup>st</sup> i4Df Expert Workshop took place on 25<sup>th</sup> and 26<sup>th</sup> February 2019 at the German Federal Highway Research Institute (BAST) in Bergisch Gladbach, Germany. Around 60 experts from 16 countries from the extended European research area developed "Innovation Focus Areas" for the modernisation of the European transport infrastructure.



For two days, the BAST event offered i4Df consortium partners, representatives of the European Commission and the European platforms CEDR, EIM, Shift2Rail, Waterborne, ENCORD, FEHRL, ECTRI and FERSI the opportunity to identify and detail promising intermodal "Innovation Focus Areas" for the modernisation of transport infrastructure. The result are 14 "Innovation Focus Areas" that can potentially be implemented within relevant European and national research and innovation programmes.



**3<sup>RD</sup> GB MEETING IN THESSALONIKI**

The 3<sup>rd</sup> Governance Board meeting took place in Thessaloniki, on the 2<sup>nd</sup> and 3<sup>rd</sup> of May 2019, hosted by CERTH/HIT in its premises, with the participation of 20 i4Df Consortium members.

During the two days of the meeting, the project partners engaged in a constructive dialogue on the progress of the project and exchanged ideas on its continuation and dissemination of results.

In specific, detailed planning and preparation in view of the 2<sup>nd</sup> i4Df Stakeholders Conference took place, along with preparatory discussions on the organization and final dates arrangements for the i4Df EU regional Outreach Events (see page 4).



## 2<sup>ND</sup> STAKEHOLDER CONFERENCE IN BRUSSELS

On 21 May 2019, the 2<sup>nd</sup> i4Df Stakeholder Conference took place at the conference center The Square in Brussels. The event was attended by over 30 high level representatives from public infrastructure authorities, innovation programme owners, industrial lead suppliers and research providers. The participants were consulted on their guidance for structures and principles to be included in the i4Df coordination mechanism.



Building from National Programmes & Structures  
*Seeking practical opportunities at the European level*



In the morning plenary session Mr. Adrian Mazur from the Polish Ministry of Infrastructure welcomed the audience and outlined the basic concept, that the coordination mechanism would be centered around national transport infrastructure authorities voluntarily joining forces, building from common needs and interests from their national innovation programmes and structures, seeking practical opportunities at the European level.

It was followed by a key note speech by Mr. Herald Ruijters from the European Commission DG MOVE. Mr. Ruijters outlined the Commission's approach to innovation delivery chain (research-deployment-market uptake) and how the respective stages could be supported by its programmes (respectively: Horizon Europe, Connecting Europe Facility, and banking structures such as EIB/EFSI).



The morning plenary session was concluded by Mr. Ruud Smit from the Dutch Rijkswaterstaat Agency who presented the backdrop for the successive stakeholder discussion sessions. In four parallel break-out sessions, and under the guidance of moderators and rapporteurs, the attending stakeholders vividly discussed a set of 3 questions about the workings of the coordination mechanism.

Over a network lunch, the participants had the opportunity to replenish their spent energy in the break-out sessions and discuss further.



The 2<sup>nd</sup> i4Df Stakeholder Conference was concluded with a brief wrap-up session, in which Mr. Mazur invited the four moderators to provide key findings from their respective discussion groups. Mr. Peter Wilbers from Rijkswaterstaat and Coordinator of the i4Df initiative, finally gave a brief overview of the next steps. After compilation and basic editing, each of the participants will be sent a summary of the outcomes of the discussions.

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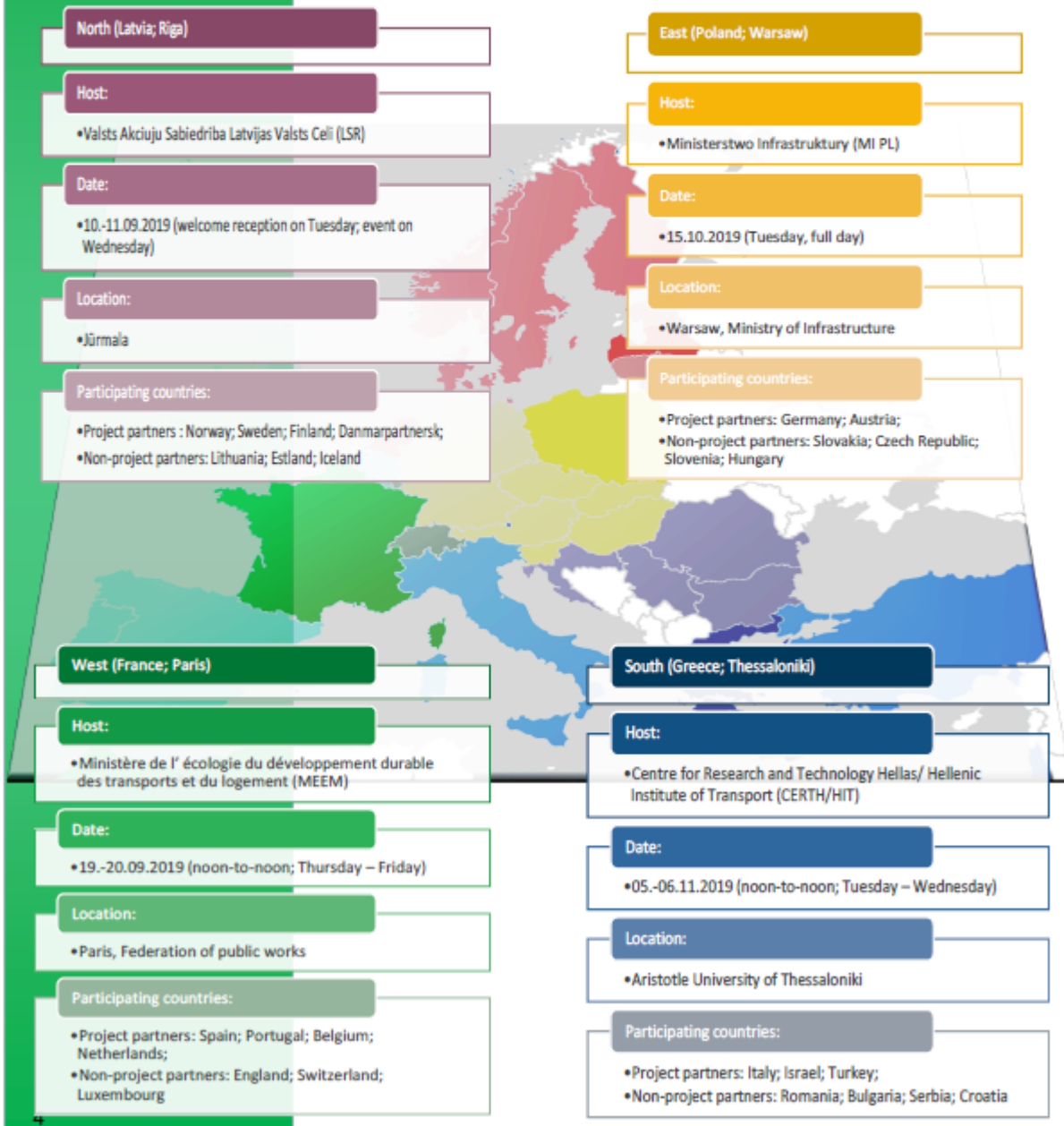
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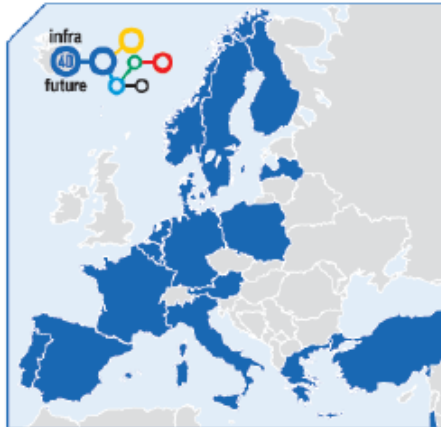
## EU REGIONAL OUTREACH EVENTS

Four EU Regional Outreach Events are planned in the course of the project, to capture the regional dimension of infrastructure innovation, while gaining feedback local actors and disseminating the project findings. They will take place from September to November 2019, hosted by four different Consortium members, in four different EU regions.



## WEBSITE INFORMATION

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