



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 824269). 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 1st and 2nd i4Df Stakeholder Conferences have taken place in Brussels.
- The 1st 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>

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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 digitalised 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.

1ST EXPERT WORKSHOP IN BERGISCH-GLADBACH

The 1st i4Df Expert Workshop took place on 25th and 26th 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.



3RD GB MEETING IN THESSALONIKI

The 3rd Governance Board meeting took place in Thessaloniki, on the 2nd and 3rd 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 2nd 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).



2ND STAKEHOLDER CONFERENCE IN BRUSSELS

On 21 May 2019, the 2nd 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*



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.



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.



The 2nd 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.

i4Df CONSORTIUM

The i4Df consortium encompasses 20 participants, 19 of them being National Transport Infrastructure Authorities (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
- Innovation Programme Owners
- Industrial Lead Suppliers
- Research Providers

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.

North (Latvia; Jūrmala)

Host:

- Latvijas Valsts Celi (LSR)

Date:

- 10.-11.09.2019 (welcome reception on Tuesday; event on Wednesday)

Location:

- Jūrmala

Participating countries:

- Project : Norway; Sweden; Finland; Denmark; The Netherlands
- Non-project partners: Lithuania; Estonia; Iceland

East (Poland; Warsaw)

Host:

- Ministerstwo Infrastruktury (MI PL)

Date:

- 15.10.2019 (Tuesday, full day)

Location:

- Warsaw, Ministry of Infrastructure

Participating countries:

- Project partners: Germany; Austria;
- Non-project partners: Slovakia; Czech Republic; Slovenia; Hungary

West (France; Paris)

Host:

- Ministère de l'écologie du développement durable des transports et du logement (MEEM)

Date:

- 30.9-01.10.2019 (noon-to-noon; Thursday – Friday)

Location:

- Paris, Federation of public works

Participating countries:

- Project partners: Spain; Portugal; Belgium
- Non-project partners: UK; Switzerland; Luxembourg

South (Greece; Thessaloniki)

Host:

- Centre for Research and Technology Hellas/ Hellenic Institute of Transport (CERTH/HIT)

Date:

- 05.-06.11.2019 (noon-to-noon; Tuesday – Wednesday)

Location:

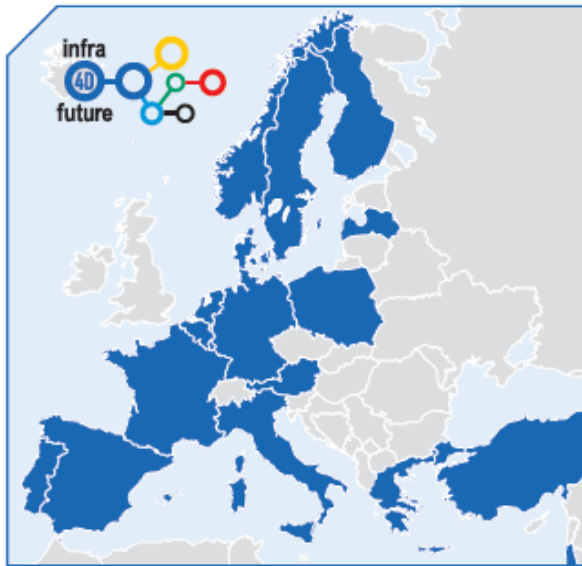
- Thessaloniki, CERTH/HIT premises

Participating countries:

- Project partners: Italy; Israel; Turkey;
- Non-project partners: Romania; Bulgaria; Serbia; Croatia

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>



JOIN US ON SOCIAL MEDIA



<https://twitter.com/i4Dfproject>



<https://www.linkedin.com/groups/13655794/>



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i4Df 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. BMW (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. Karayolları Genel Müdürlüğü - TR 
20. TÜV Rheinland Consulting 

