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REthinking Future Infrastructure NETworks

REFINET

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WP5

D5.3



PTEC

Communication and Dissemination Report 2

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Dissemination Level

PU

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RE

CO

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Date	Version	Author/Contributor ¹	Revision By ²	Comments
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Abbreviations

Acronym	Full name
ACARE	Advisory Council for Aeronautics Research in Europe
AREMA	The American Railway Engineering and Maintenance-of-Way Association
APM	International Conference on Automated People Movers and Automated Transit Systems
CEDR	Conference of European Directors of Roads
CIB	Conseil International du Bâtiment (International Council for Building)
CSA	Coordination Support Action
EAPA	European Asphalt Pavement Association
ECTP	European Construction Technology Platform
ENCORD	European Network of Construction Companies for Research and Development
ERTRAC	European Road Transport Research Advisory Council.
ERRAC	European Rail Research Advisory Council
EUPAVE	European Concrete Paving Association
EURNEX	EUropean rail Research Network of Excellence
FHWA	Federal Highway Administration
INNOTRANS	International Trade Fair for Transport Technology
MESA	Maritime Europe Strategy Action
NTPs	National Technology Platforms
TRA	Target Research Arena
TRB	Transportation Research Board
WATERBORNE	European Technology Platform WATERBORNE

Definitions

Term	Full name
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1 EXECUTIVE SUMMARY

REFINET is a Coordination Support Action CSA funded by the European Commission. Its objective is to create a sustainable network that integrates relevant stakeholders' representatives of all transport modes (road, railway, maritime, fluvial...) and transport infrastructure sectors in order to create a shared European vision of how should be specified, designed, built or renovated, and maintained the multimodal European transport infrastructure network of the future (including, but not only, cross-modal aspects) in order to enhance the effectiveness of the sector, and elaborating the Strategic Implementation Plan (SIP) that will define the innovation activities that are required to make this vision a reality.

The first REFINET communication and dissemination Deliverable 5.2 was published in September 2015. It included the dissemination strategy and the planned activities for the first year of this CSA.

The present Deliverable 5.3 includes the achieved communication and dissemination activities during the first year as well as the planned activities during the second year.

During the first year, REFINET web has been developed and continuously updated, three REFINET workshops have been organised and the conclusions of each one has been disseminated through different channels, and an invited session at TRA 2016 was held between REFINET, FOX and USE-it. Two newsletters have been published and disseminated through the network of stakeholders and REFINET web. Finally, REFINET members have had an active collaboration with other networks and presentations of REFINET project in different forums have been done.

During the second project year, two REFINET dissemination events will be organized, one at ECTP conference (November 2016) and other at FIRM17 (April 2017) with FOX and USE-it. Besides, two REFINET workshops will be held and the conclusions will be disseminated. Finally, three newsletters will be published and other dissemination activities through different networks will be carried out.

2 INTRODUCTION

REFINET dissemination strategy was defined in Deliverable 5.2 Communication and dissemination report (first year) with the following dissemination objectives:

- To raise awareness on REFINET project results (best practices, scenarios, vision, SIP).
- To enhance the sharing of knowledge and of results between the (EC-funded) projects dealing with innovative processes and technology integration for the design and/or the renovation of infrastructures.
- To promote the uptake of emerging technologies and best practices as identified in REFINET to the research community, the Transport sector and the construction sector at large.
- To enhance the mapping of construction-related infrastructures projects with Transport initiatives and projects, or in national and international initiatives.
- To promote synergies between the European Structural and Investment Funds, Horizon 2020 and other R&I project about transport infrastructures.

The present document summarizes the dissemination activities carried out during the first year and the activities to be carried out during the second year.

REFINET dissemination and communication activities will address both the transport infrastructure sector (which is the main actor), and society (mainly the end-user). In order to reach both target audiences, REFINET is developing the following activities:

- Creating a project website, permanently updated with information about the project evolution. The project's public deliverables will be accessible through this web site.
- Launching some news in social networks (LinkedIn, Facebook, Twitter, etc.) and on the ECTP Infrastructure / Mobility website to interact with the sector and the society.
- Distributing e-Newsletters.
- Participating in conference and other events, organized by the project or in collaboration with other initiatives.
- Publishing papers and press releases.

REFINET partners are participating in all dissemination activities and PTEC is coordinating these activities as WP5 coordinator.

Related to joint dissemination activities between three European CSAs in Transports (REFINET, FOX and USE-iT), joint event sessions held in 2016 and also will be planned over 2017. The three project Coordinators and Dissemination Managers share the Dissemination Strategy Plans as to identify a potential list of common joint event sessions, and potential common publications (through common sessions in conferences organised by the three projects, and common publications signed by the three projects in newspapers and journals).

3 DISSEMINATION ACTIONS CARRIED OUT DURING 1ST PERIOD (M1 TO M12)

This chapter summarizes the dissemination activities carried out during the first project year, ending with the indicators of dissemination effectiveness defined at the beginning of the project and the results reached in this first year

3.1 REFINET WEB (www.refinet.eu)

Created in January 2016, REFINET web it is a channel of continuous communication with stakeholders and a regular update of contents has been done. REFINET website is linked with the ECTP Infrastructure & Mobility Committee website for the shake of integration and future continuity after finishing this CSA.

More detailed information about the REFINET website has been included in Deliverable 5.1



Figure 1 REFINET website

Table 1 summarizes the REFINET news published in this web with links to other webs (ECTP, PTEC, ENCORDER, FEHRL, etc.).

Date	Title	webs	LINK
16/11/2015	REFINET flyer has been published	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=79&cHash=9570f9468f71d1471e20443ecd60a484
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=325:refinet-flyer-has-been-published&catid=49&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2797&
16/11/2015	First REFINET newsletter issued	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=78&cHash=cd73fc379af19a3ecec53a13ec9e036e
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=327:first-refinet-newsletter-issued&catid=49&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2834&
		ENCORD	http://www.encord.org/?p=1225
17/12/2015	REFINET, FOX and USE-IT CSAs held a workshop in the frame of TRB2016	REFINET	http://refinet.eu/news-events/events/event-detail/?tx_ttnews%5Btt_news%5D=66&cHash=98e4b68197e7067e77d72ab31ef34d4f
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=333:cross-modal-transport-infrastructure-workshop-trb2016-13-january-washington-dc-us&catid=67&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2983&
18/12/2015	REFINET activities	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=82&cHash=63b14d8bb0dd37bbe853b9dc95953276
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=336:refinet-activities&catid=67&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2876&

Date	Title	webs	LINK
11/01/2016	REFINET, FOX and USE-it workshop	REFINET	http://refinet.eu/news-events/events/event-detail/?tx_ttnews%5Btt_news%5D=83&cHash=6c841ee2acd2aac1b707ce393f94e526
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_jevents&task=icalrepeat.detail&evid=322&Itemid=1&year=2016&month=01&day=21&title=refinet-fox-and-use-it-workshop-21-january-brussels-be&uid=25be7b9379b16ac289937756293d98a4
		PTEC	http://www.plataformaptec.com/ver-noticia.php?id=2931&
		FEHRL	https://www.eventbrite.fr/e/workshop-about-technology-demand-and-transfer-in-cross-modal-transport-infrastructures-registration-19854377979
11/01/2016	REFINET CSA at TRB 2016 conference	REFINET	http://refinet.eu/news-events/events/event-detail/?tx_ttnews%5Btt_news%5D=66&cHash=98e4b68197e7067e77d72ab31ef34d4f
		PTEC	http://www.plataformaptec.com/ver-noticia.php?id=2930&
18/01/2016	REFINET consortia publishes an article in FEHRL magazine	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=84&cHash=8eedff07b8d6e775b85775be8d259371
		ECTP	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=84&cHash=8eedff07b8d6e775b85775be8d259371
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2946&
25/01/2016	LinkedIn REFINET group and REFINET web available	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=140&cHash=d6f4afae002f93c813f19c9ce63eef3d
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=346:linkedin-refinet-group-available&catid=67&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2963&
01/02/2016	Materials from USE-iT, FOX and REFINET stakeholder workshop	REFINET	http://refinet.eu/news-events/news/news-detail/?tx_ttnews%5Btt_news%5D=144&cHash=97a1b2fe68404e124c19440462b3a667
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=349:materials-from-use-it-fox-and-refinet-stakeholder-workshop-available&catid=67&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2982&
		LINKEDIN	https://www.linkedin.com/grp/post/8464241-6099841133460877312?trk=groups-post-b-title

Date	Title	webs	LINK
01/02/2016	REFINET, FOX and USE-IT CSAs held a workshop in the frame of TRB2016	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=143&cHash=ccdcb6cb407e8f8becc36fdf0bd3815e8
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=348:use-it-fox-and-refinet-feature-at-trb2016&catid=67&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=2983&
		LINKEDIN	https://www.linkedin.com/grp/post/8464241-6100199939004993540?trk=groups-post-b-title
03/02/2016	USE-iT, FOX and REFINET feature at TRB2016	REFINET	http://refinet.eu/news-events/news/news-detail/?tx_ttnews%5Btt_news%5D=143&cHash=ccdcb6cb407e8f8becc36fdf0bd3815e8
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=348:use-it-fox-and-refinet-feature-at-trb2016&catid=67:information&Itemid=111
		PETC	http://www.plataformaptec.es/ver-noticia.php?id=2983&
		FEHRL	http://www.useitandfoxprojects.eu/news/use-it-fox-and-refinet-feature-at-trb2016
15/02/2016	REFINET workshop experts	REFINET	http://refinet.eu/index.php?id=199&tx_ttnews%5Btt_news%5D=147&cHash=50a23fd266c99fa2a7f2beec22f90d7f
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=3023&
		LinkedIn	https://www.linkedin.com/groups/8464241/8464241-6104954003953582082
08/03/2016	REFINET Newsletter No.2 is available	REFINET	http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=150&cHash=f8e9a752b9a9d176dcc1d67390a6758d
		ECTP	http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=360:refinet-newsletter-no-2-is-available&catid=49&Itemid=111
		PTEC	http://www.plataformaptec.es/ver-noticia.php?id=3086
		ENCORD	http://www.encord.org/?p=1264

Table 1 REFINET news during 1st year

3.2 Dissemination of workshop results

The dissemination of REFINET results to relevant stakeholders in the transport infrastructures are been carried out, among others, through sectorial workshops conducted on a regular basis in different member countries. REFINET experts were contacted and asked to contribute to these workshops.

Summaries of these workshops, organized in the frame of WP 3, are been used as dissemination material and included in REFINET web, newsletters, etc., as it is shown in Table 2.

TASK	Done	DISSEMINATION CHANNELS
Workshop with NTPs experts on Transport Infrastructures	21 st Oct.15 (by WebEx)	REFINET NEWSLETTER No1 http://refinet.eu/fileadmin/user_upload/documents/50D3676v1_REFINET_NEWSLETTER_Is.pdf PTEC WEB http://www.plataformaptec.com/ver-noticia.php?id=2760& NTPs newsletter No 7 http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=335:ptec-publishes-ntps-newsletter-no-7-december-2015&catid=76&Itemid=113
Workshop on Technological demands in New and Existing Transport Infrastructures	2 nd Dec. 15, at IETcc, Madrid, Spain with about 15 participants	REFINET WEB http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=82&cHash=63b14d8bb0dd37bbe853b9dc95953276 REFINET newsletter No 2 http://refinet.eu/fileadmin/user_upload/documents/REFINET_NEWSLETTER_Issue2.pdf ECTP WEB http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=338:be-part-of-new-european-vision-towards-integrated-cross-modal-transport-infrastructure&catid=67&Itemid=111 PTEC WEB http://www.plataformaptec.es/ver-noticia.php?id=2876& NTPs newsletter No 7 http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=335:ptec-publishes-ntps-newsletter-no-7-december-2015&catid=76&Itemid=113
Workshop on technological demands on transport infrastructures	16 th March 16 at ARUP facilities, London UK with about 25 participants	REFINET WEB http://refinet.eu/index.php?id=201&tx_ttnews%5Btt_news%5D=154&cHash=a923514b82557b86a6bc4bc9431aaa32 PTEC WEB http://www.plataformaptec.es/ver-noticia.php?id=3023& NTPs newsletter No 8 http://www.ectp.org/enewsportal/index.php?option=com_content&view=article&id=335:ptec-publishes-ntps-newsletter-no-8-march-2016&catid=76&Itemid=113

		content&view=article&id=362:https-network-newsletter-no-8&catid=76&Itemid=113
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Table 2 REFINET workshops during 1st year



Figure 2 Madrid workshop (Dec. 2nd, 2015)



Figure 3 London workshop (March 16th, 2016)

3.3 REFINET dissemination event

An invited session on REFINET, FOX and USE-it was carried out in April 20th at TRA 2016 in Warsaw on Increasing the Performance of Multimodal Transport Infrastructure through stakeholder engagement and European wide shared vision. There were about 50 participants and this session was coordinated by FEHRL. Thierry Goger, FEHRL Secretary General, introduced the session and acted as moderator throughout the event.

Presentations on REFINET was done by Alain Zarli from CSTB and presentations on FOX and USE-it were done by Ewa Zowka of IBIDIM, Ursula Blume of BAST and Martin Lamb of Maple Consulting. The closing of this invited session was done by Jesús Rodríguez from PTEC.

Alain Zarli summarised the REFINET multi-modal transport infrastructure model, developed from the documents of different Technology Platforms and other Associations, that was coordinated by Tecnalía. He also presented the work under progress on collection of best practices and analysis of available technologies that is being coordinated by Dragados and Arup. Ewa Zowka presented an overview of the USE-iT project and Ursula Blume the FOX project, followed by Martin Kamb who outlines the next steps.

Jesús Rodríguez closed this session commenting the need to cover initiatives on innovation in both new and existing transport infrastructures, including maintenance and adaptation to new demands, through these three CSAs. He also pointed out the continuity of innovation initiatives in transport infrastructures through the European Construction Technology Platform and its Infrastructure & Mobility committee.



Figures 4-6 Thierry Goger, FEHRL, Ursula Blume, BAST and Ewa Zofka, IBDiM at USE-iT, FOX and Refinet Invited Session at TRA2016

During the same day, a strategic session on “Green and resilient infrastructure” was organised at TRA2016 where Dragados, member of REFINET, was one of the speakers together with Acciona, Colas, University of Dublin, Voestalpine and Polish State Railways. This session had been promoted by ECTP through the Infrastructure and Mobility Committee with the participation of CSTB and Dragados.



Figure 7 Speakers at Green and resilient infrastructure



Figure 8 Miguel Segarra from Dragados at Green and resilient infrastructure

3.4 Leaflet

A REFINET leaflet was published last November 2015 as a presentation of REFINET and its consortium. It was prepared by PTEC with FEHRL and it is available in REFINET website at:

http://refinet.eu/fileadmin/user_upload/documents/REFINET_Leaflet.pdf



Figure 9 REFINET leaflet

3.5 Participation in external events

The partners attended project related events, conferences, seminars, workshops etc. to promote project results. Table 3 shows the conferences and workshops where REFINET has been presented during the first year.

EVENT	PARTICIPANT(S)	DATE
6 th European Transport Research Conference TRA 2016.	CSTB FEHRL D'APPOLONIA TECNALIA DRAGADOS ARUP PTEC UIC	18 th -21 st April, 2016
Highways England Innovation workshop held at Transport Systems Catapult	ARUP	27 th Oct 2015
Transportation Research Board TRB 2016 January, D.C.	FEHRL CSTB	10 th –14 th Jan 16
Webinar workshop of the construction NTPs network	PTEC DRAGADOS TECNALIA	21 st Oct. 2015
ENCORD council meeting	DRAGADOS	5-6 October 2015
UK National Platform for Construction and Knowledge Transfer Network (KTN).	ARUP	21 st Jan 2016
PIARC conference	ARUP FEHRL	2 nd -6 th Nov 15
AusRail 2015	ARUP	24-26 Nov.2015
EraNet INFRAVATION kick-off meeting	FEHRL, PTEC, TECNALIA, DRAGADOS	12-13 th Nov 2015
KTN Built Environment Steering Group meeting	ARUP	22 July 2015
CIRIA (Construction Industry Research & Information Association) Council event	ARUP	14 April 2016
11th Conference on Asphalt Pavements for southern Africa-CAPSA 15	FEHRL	August 2015
EURNEX advisory group	FEHRL	June 2015
FOX & USE-iT Kick-off meeting	FEHRL	May 2015
FEHRL General Assembly 2015/1	FEHRL	May 2015

 Table 3 Participation in external events during 1st year

3.6 REFINET newsletters

REFINET e-newsletters were published every four months and disseminated through the website, with information about REFINET progress and other news on innovation in transport infrastructures.

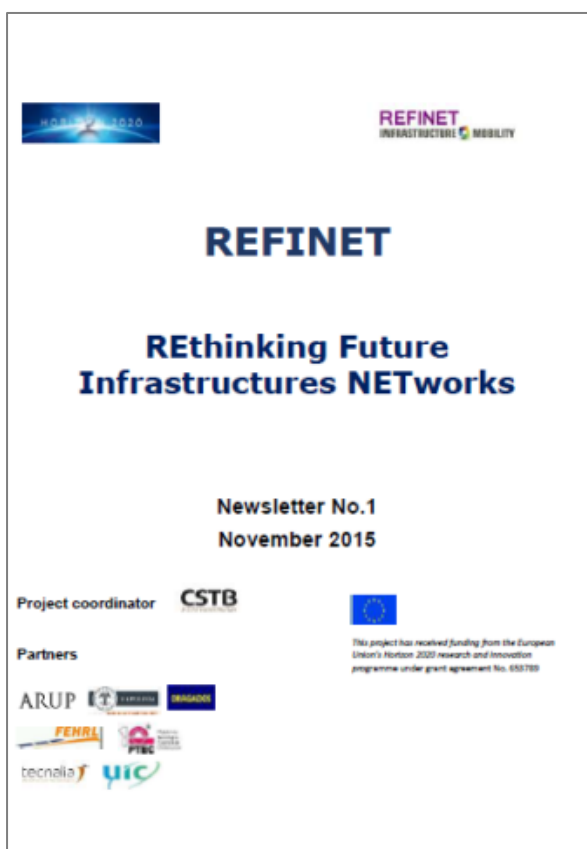
The terms of content of the newsletters is the following:

- **Presentation**
- **REFINET progress** where relevant activities either finished or in progress are summarized
- **REFINET community** where activities of REFINET members and REFINET experts are included on research and innovation in transport infrastructures.
- **Coordination with projects & networks**, where information about other CSAs, European projects, Networks, Non-European projects (US, etc.) are included
- **News** where general infrastructures R&D news and events are included

The newsletters have been disseminated through REFINET members and REFINET experts' database (about 600 members) and are available at REFINET web, ECTP website and PTEC website (www.plataformaptec.es)

TASK	RESPONSIBLE(S)	PLANNED	DONE
1 st REFINET newsletter	PTEC	November 2015	November 2015
2 nd REFINET newsletter	PTEC	February 2016	February 2016
3 rd REFINET newsletter	PTEC	April 2016	To be published at the end of May 2016

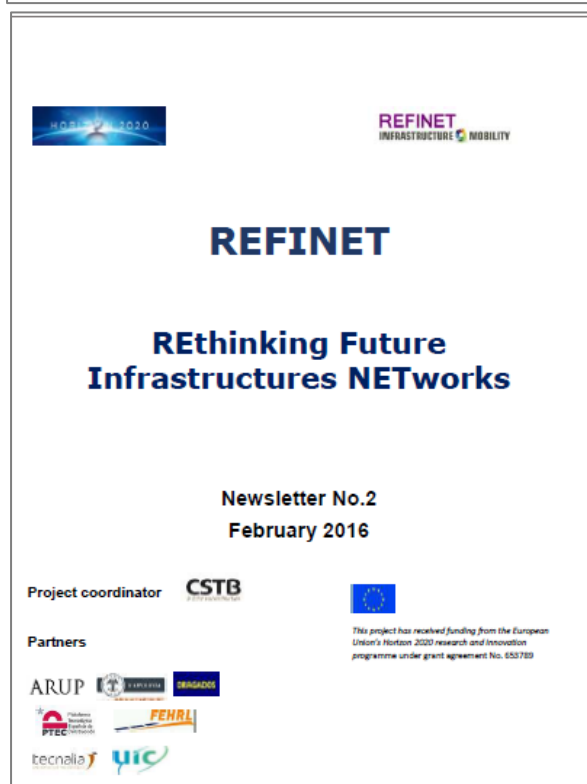
Table 4 REFINET newsletters published during 1st year



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Figure 10 REFINET newsletters during the 1st year

3.7 Collaboration with other networks

REFINET results are also disseminated through different networks. The different National Construction and Transport Technology Platforms constitute one of the main dissemination channels to assure that the REFINET project reaches the main stakeholders in all Europe.

PTEC, as coordinator of National Technology Platforms Network, is disseminating the results of the project by means of the NTPs newsletter and meetings.

Other REFINET members with a close collaboration with other European construction networks also participate in that task. Examples of such collaboration are:

- DRAGADOS that participates in the REFINET project on behalf of Encord
- FEHRL Forum of European National Highway Research Laboratories with its members
- FEHRL with other CSAs funded by EC under topics 8.1 and 8.2. (FOX, USE-IT)
- FEHRL with ERTRAC members
- CSTB, as General Secretary of ECTP, with ECTP members
- UIC International Union of Railways with its members and ERRAC
- D'Appolonia with WATERBONE (through its mother company RINA currently appointed as vice-chair of the Waterborne Technology Platform)
- D'Appolonia with the CSA MESA "Maritime Europe Strategy Action" (<http://www.waterborne-tp.org/index.php/mesa>) whose objectives are in line with main strategic objective of the WATERBORNE-TP.
- PTEC with the network of construction NTPs in European countries

Links with International associations such as the FHWA (Federal Highway Administration of the U.S. Department of Transportation) is been carried out at TRB conferences, TRA2016 and Infravation events where CSTB, FEHRL, PTEC, DRAGADOS, TECNALIA and other REFINET members are participating.

Table 5 summarizes the activities in collaboration with other networks carried out during the first project year:

TASK	RESPONSIBLE(S)	DONE
REFINET news in NTPs network newsletter	PTEC	15 th October 2015 18 th March 2016
REFINET news in NTPs network meeting	PTEC	22 nd October, 2015 8 th March 2016
Presentation of REFINET (11 th PTEC conference)	DRAGADOS	6 th April 2016
ECTP	CSTB	Continuous (with support from DRAGADOS).
UK National Platform for Construction and Knowledge Transfer Network (KTN).	ARUP	21 st Jan 2016
Publication of REFINET newsletter at ENCORD website	DRAGADOS	November 2015 February 2016
ENCORD	DRAGADOS	5-6 th October 2015
Presentation of REFINET in CSAs FOX and USE-iT Consortia meetings and newsletters	FEHRL	REFINET information given at kick off meeting on 7-8th May 2015, first PMG on 14th October 2015 second PMG on 20th January 2016 and third PMG on 21st-22nd April 2016
Presentation of REFINET in CSA SETRIS Consortium meeting	FEHRL	
Two meetings per year of the CSA Coordinators and Dissemination Managers for Refinet, FOX and USE-iT	PTEC CSTB FEHRL	15 th July 2015 19 th October 2015 7 th April 2016
Update of REFINET at ERTRAC Plenaries and WGs activities	FEHRL	throughout 2015 and 2016
ERRAC	UIC	Continuous (ERRAC steering committee, RICG)
PTC Spanish Road Technological Platform	TECNALIA	Presentation about the REFINET multimodal transport infrastructure (RMMTI) model and its progress in different meetings
Exchange of information with RINA (Vice-Chair of TP)	D`APPOLONIA	Exchange of information with RINA (Vice-Chair of TP)

Table 5 Activities in collaboration with other networks during 1st year

A brief summary of these activities with other networks is the following:

NTPs NETWORK: Dissemination activities during the 1st year have been:

- REFINET news has been included in each NTPs Newsletter published in October 2015 and February 2016. Those newsletters have been submitted to the NTPs network (around 80 participants from 20 countries plus DG Research and Innovation and DG Growth) and are available at both ECTP website and PTEC website.

- REFINET CSA has been presented in NTPs network meetings in October 2015 and March 2016, respectively.

PTEC conference (Barcelona, April 6th, 2016): This conference dealt with the innovation in the maintenance and upgrading of the existing network of transport infrastructures, with the participation of Public authorities from the Government of Cataluña and the Town Hall of Barcelona, and with 120 attendants.

PTEC presented the activities of this NTP on innovation in the construction sector. DRAGADOS presented REFINET CSA in the framework of activities at European level to promote innovation in transport infrastructures, in connexion with the European Construction Technology Platform ECTP. This presentation is available at PTEC website in (<http://www.plataformaptec.com/ver-presentacion.php?id=64&>



Figure 11 Presentation of REFINET at 11th PTEC's Conference

ENCORD: under the coordination of DRAGADOS, REFINET has been presented and discussed in all **ENCORD meetings** of the first year of the CSA. ENCORD will continue the activities of providing input to REFINET during the second year of the project. REFINET has been a topic in the following ENCORD meetings:

- **ENCORD Council Meeting 5-6 October 2015.** Hosted by Vinci and Ferrovial Agroman at ITER in Cadarache, France. The Refinet proposal and its objectives were discussed in detail as well as the way in which the different partners could contribute to the initiative. A meeting of the ENCORD Workgroup on Infrastructure was scheduled in connection with the next council meeting whose main topic was discussing the input for the REFINET collection of best practices in transport infrastructure.
- **ENCORD Work Group on Infrastructures - 29 February 2016.** Hosted by Teixeira Duarte - Porto, Portugal. The venue was AICCOPN (Construction Industrial and Public Works Association). The meeting and workshop were prepared by DRAGADOS and contained three topics that were the following: Update on the Work Group on Infrastructure, update on the progress of the REFINET CSA and, REFINET Best Practices Workshop. In this last part of the meeting and based on the identified / collected input, the technological demands of transport infrastructure were presented to the participants and discussion followed in relation to technology gaps, potential impact of the different practices and timeline and strategy for the implementation of a Strategic Implementation Plan at European Scale.



Figure 12: ENCORD WG on Infrastructure meeting, Porto, February 29, 2015

- **ENCORD Council meeting. 1-2 March 2016.** Hosted by Teixeira Duarte - Porto, Portugal. The venue was AICCOPN (Construction Industrial and Public works Association). The progress of the REFINET CSA was presented to the council members as well as a summary of the work carried out during the workshop on Best Practices celebrated during the first day of the meeting held in Porto.

ECTP: The link between ECTP and REFINET is obvious for various reasons, besides the fact the REFINET coordinator ensures the role of ECTP General Secretariat. REFINET is a continuation of the ECTP reFINE³ initiative that advocates the need for developing High-Level Service Infrastructures (HLSI), to be considered the core elements of a future fully functional and EU-wide multimodal integrated transport by 2030. Thus, through the elaboration of an overall strategic framework for comprehensive and coherent community actions in the area of multi-modal infrastructures, REFINET makes the link between ECTP and the European Platforms on Transport modes as well as the construction NTPs network, so as to ensure maximum synergy in the combined research and innovation efforts within the European context and potentially incorporating international experience.

The ECTP has provided some of the experts (from its wide network of stakeholders related to ECTP projects) participating to the various REFINET workshops organized during the first year (period #1). Moreover, a link has been established between the REFINET and ECTP Web sites for an increased visibility of REFINET within ECTP and its Infrastructure & Mobility (I&M) Committee, and REFINET has been advertised through the ECTP portal.

In the 2nd year of REFINET, the SIP will integrate various contributions from the many ECTP stakeholders in Europe (and beyond), and will outline the priorities and proposed implementation actions for the widespread deployment of smart (new or renovated) multi-modal infrastructure concepts. Moreover, a specific & dedicated REFINET Workshop is planned at the upcoming ECTP Conference 2017 (see <http://www.ectp.org/Conference2014.asp> for info on ECTP conference).

WATERBORNE-TP: Exchange of information with RINA during the first year of REFINET with prime focus on the analysis of the strategic research agenda of the TP has been done by DAPPOLONIA. RINA will be invited to the WP4 autumn 2016 workshop as representative of WATERBORNE.

3.8 Publications in journals

Table 6 summarizes the publications in journals carried out during the first year

JOURNAL	RESPONSIBLE(S)	PUBLICATION DATE
FEHRL Infrastructure Research Magazine (FIRM)	FEHRL	Two articles July 2015 and January 2016
Towards a Comprehensive Asset Integrity Management (AIM) Approach for European Infrastructures (TRA2016)	DRAGADOS and DAPPOLONIA	April 2016

³ European Construction Technology Platform (ECTP) – Research for Future Infrastructure Networks in Europe (reFINE)

AUSRAIL 2015 paper on innovative slabtrack design with reference to REFINET and SHIFT2Rail	ARUP	November 2015
UIC FOCUS N°3 Europe-Innovating for the future European railway system	UIC	April 2016

Table 6 REFINET publications in the 1st year

3.9 Dissemination activities with international entities

A Workshop on Cross-Modal Transport Infrastructure held on 13th January 2016 at the Transportation Research Board (TRB) Annual Meeting in Washington, DC. This workshop, organized by REFINET, FOX and USE-it, provided an overview of these three European initiatives currently underway to pursue the development of a more integrated multi-modal transportation network. Representatives from CSTB and FEHRL introduced the objectives, strategies, and activities of each effort. A detailed presentation on REFINET explored that project's efforts to develop a new framework for multi-modal infrastructure, integrate outcomes from FOX and USE-iT, combine those outcomes with the model to develop a new vision for that infrastructure, and ultimately provide incentives to public and private sectors to invest in the needed R&D.

3.10 Other dissemination channels

LinkedIn REFINET group was created in January 2016 to promote debate between REFINET members and REFINET network of experts and stakeholders. It has around 70 members and it will be used in a more extensive way during the second year of this CSA.

REFINET activities are also disseminated through partners' corporative websites and social media

3.11 Measurement of dissemination effectiveness

At the beginning of the project, dissemination effectiveness indicators were defined. Table 7 shows the results reached during the first project year. Visits to REFINET website and REFINET documents downloaded indicators will be measured at the end of the project

INDICATOR	TARGET	RESULT
Visits to the REFINET WEBSITE	More than 5,000 visits	
REFINET documents downloaded	More than 1.000 documents	

e-newsletter dissemination lists	More than 1.000 people registered in the dissemination list	600 REFINET experts + 2000 people registered in PTEC newsletter
Participation in workshops and conferences	More than 12 presentations of REFINET results in conferences and events	15 (see table 3 of this document)
People registered in REFINET public events	More than 100 participants	50
Followed in social networks	More than 500 followers	1200 FOLLOWERS
Stakeholders reached through papers in journals and conferences	More than 10.000 stakeholders reached	2000 FIRM + 2200 TRA + 3000 AUSRAIL

Table 7 Indicators of effectiveness

4 ACTION PLAN FOR 2ND PERIOD (M13 TO M24)

This chapter shows the dissemination activities that are planned for the second project year. Whereas they are here classified by the type of dissemination, they are classified by partner in chapter 5 of this Deliverable.

REFINET WEB

During the 2nd year the REFINET web content (www.refinet.eu) will be continuously updated and PTEC will be in charge of that task with CSTB and all REFINET partners

DISSEMINATION OF WORKSHOP SUMMARIES

REFINET will organize two workshops during the second project year in the frame of WP 4. The conclusions of those events will be disseminated through next channels:

- REFINET website
- ECTP website
- Partners corporative websites
- REFINET newsletters
- NTPs network newsletters

Table 8 summarizes the planed workshops and dates.

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DATE
REFINET workshop WP4	D'APPOLONIA + PTEC	All partners plus invited experts	September/October 2016
REFINET workshop WP4	D'APPOLONIA + PTEC	All partners plus invited experts	February/March 2017

Table 8 REFINET workshops during 2nd year

REFINET DISSEMINATION EVENTS

In November 2016, a REFINET session will be organized in the frame of ECTP conference together with Infrastructure & Mobility ECTP committee.

In April 2017, at the FEHRL Infrastructure Research Meeting FIRM17, a session will be organised together with FOX and USE-it CSAs

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
REFINET session at ECTP conference	PTEC	All REFINET partners	17-19 th November 2016
REFINET & FOX & USE-it Session at FIRM17	FEHRL	All REFINET partners	April 2017

Table 9 REFINET dissemination events during 2nd year

LEAFLET

An updated version of the REFINET leaflet will be developed during the second year and will be published in October 2016. PTEC as coordinator of WP5 will be in charge of this task and FEHRL will give support in the development.

PARTICIPATION IN EXTERNAL EVENTS

The partners will attend project related events, conferences, seminars, workshops etc. to promote project results. Table 10 shows a list of main conferences and workshops of interest for the 2nd year.

EVENT	DATE AND PLACE	PARTICIPANT(S)
CIB World Building Congress 2016 WBC2016.	30 th May-3 rd June Tampere, Finland	CSTB
11 th World Congress on Railway Research WCRR 2016	29 th May-2 nd June Milan	CSTB UIC ARUP
AISCAT (www.aiscat.it) 50-year anniversary Participation as delegate + Dialogue with organiser; Hold WP4 workshop in conjunction with AISCAT event? Invite AISCAT rep to REF WP4 workshop	Date to be announced Rome	D'APPOLONIA
World Congress on Rail Research,	29th May - 2nd June 2016 Milan	ARUP
CIRIA Network event	October 2016 (tbc)	ARUP
KTN / Innovate UK Infrastructure Systems event	July/Aug 2016 (tbc)	ARUP
TRB 2017– session (jointly with FOX & USE-iT)	8-12 January 2017 Washington, D.C	FEHRL
RS5C Conference 2016 (not charged to the project)	17-19 May 2016 Rio de Janeiro	FEHRL
6th Euroasphalt and eurobitume conference (Keynote)	1-3 June 2016 Prague	FEHRL
AUG Congress (Keynote)		FEHRL
Enhancing Highway Performance" (ISEHP 2016) (Keynote)	14-16 June Berlin	FEHRL
Meeting of the EURNEX High Level group of experts (Air and surface transport) External meeting – slot in the agenda		FEHRL
ITS World Conference – Invited session (jointly with FOX & USE-iT) (Keynote)	10-14 October Australia	FEHRL
Workshop with Australian stakeholders		FEHRL
Infravation annual event		FEHRL
ERF Conference – session on cross-modal infrastructure (with FOX & USE-iT)		FEHRL
Scanning Tour 2016	18-21 September Tours (France)	FEHRL
Session on Cross-modal transport infrastructure with USE-IT and FOX CSAs at FIRM17 (along with USE-iT final conference)	April 2017	FEHRL

Table 10 Participation in external events during 2nd year

REFINET NEWSLETTERS

REFINET e-newsletters will be published every four months and disseminated through the website. It will compile information about the REFINET project progress and other news of interest. Table 11 summarizes the publication dates:

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
3 rd REFINET newsletter	PTEC	All partners	May 2016
4 th REFINET newsletter	PTEC	All partners	November 2016
5 th REFINET newsletter	PTEC	All partners	March 2017

Table 11 REFINET newsletters during 2nd year

COLLABORATION WITH OTHER NETWORKS

During the second year the collaboration with other networks will be maintained. Table 12 shows the activities proposed in the frame of this item.

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
REFINET news in NTPs network newsletter and meetings	PTEC		June 2016 November 2016 February 2017
ECTP	CSTB	Dragados, Tecnalía, Arup, D'Appolonia	Continuous
ENCORD	DRAGADOS		Continuous
Presentation of REFINET in CSAs FOX and USE-iT Consortia meetings and newsletters	FEHRL		Xxx May 2016?? - webinar with TRA2016 overview and next steps July 2016 – update article in FEHRL Infrastructure Research Magazine 8 of FOX, USE-iT and REFINET at TRA2016 etc. 14-16th Sept 2016 – 2nd joint stakeholder workshop (& webinar?), Brussels 16-19th Oct 2016 – Infravation and IALCCE conference, Delft 17-18th November 2016 – ECTP conference, Brussels December 2016 – update article in FEHRL Infrastructure Research Magazine 9 of FOX, USE-iT and REFINET January 2017 – 95th TRB Annual meeting,

			Washington, USA April 2017 - joint session at FIRM17 with USE-iT final conference, Brussels July 2017 – update article in FEHRL Infrastructure Research Magazine 10 of FOX, USE-iT and REFINET October 2017 - FOX final conference, Brussels
Two meetings per year of the CSA Coordinators and Dissemination Managers for Refinet, FOX and USE-iT	PTEC	CSTB & FEHRL	October 2016 February 2017
ERRAC	UIC		Continuous (ERRAC steering committee, RICG)
PTEC WG on infrastructure – Dissemination of progress of the REFINET CSA.	DRAGADOS	PTEC	June 2016 October 2016 February 2017
ENCORD WG on Infrastructures (Refinet workshop)	DRAGADOS		October 2016 (date to be fixed).
Publication of REFINET Newsletter at ENCORD website	DRAGADOS		Newsletter publication dates
WATERWORNE-TP	D'APPOLONIA		In time for the WP4 Autumn workshop

Table 12 Collaboration with other networks during 2nd year

PUBLICATIONS IN JOURNALS

JOURNAL	RESPONSIBLE(S)
REFINET: Fostering cross-mode network infrastructures of tomorrow (WCCR2016)	CSTB TECNALIA and UIC
CIRIA Evolution Journal	ARUP
annual FEHRL Infrastructure Research Magazine (FIRM)	FEHRL
Ingeniería Civil Cedex	TECNALIA
Revista de Obras Públicas	TECNALIA
Ingeopress	TECNALIA

Table 13 REFINET planned publications during 2nd year

DISSEMINATION ACTIVITIES WITH INTERNATIONAL ENTITIES

Table 14 summarizes the proposed activities for second year

Dissemination instrument	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
TRB 2017 – Invited session (jointly with FOX & USE-iT)	FEHRL	CSTB (PTEC)	January 2017
RS5C Conference 2016 (not charged to the project)	FEHRL		May 2016
ITS World Conference – Invited session (jointly with FOX & USE-iT)	FEHRL	CSTB (PTEC)	October 2016
Workshop with Australian stakeholders (jointly with FOX & USE-iT)	FEHRL	CSTB (PTEC)	October 2016
Scanning Tour 2016	FEHRL	CSTB (PTEC)	November-December 2016

Table 14 Dissemination activities with international entities during 2nd year

OTHER DISSEMINATION CHANNELS

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
Participation and content in Social Networks (REFINET LinkedIn Group and other)	PTEC	All partners	Continuous
Dissemination through partners' corporate websites and social media	All partners		Continuous
Newsletter of the R&D Committee of the ACS Group's Construction Companies	DRAGADOS		July 2016
Information on the REFINET initiative in DRAGADOS internal training courses	DRAGADOS		According to courses schedules in the area of transport infrastructure (several times per year).

Table 15 Other dissemination channels during 2nd year

5 PARTNER SPECIFIC DISSEMINATION PLANS

This chapter shows the dissemination activities that are planned for the second project year. Whereas they are here classified by partner, they are classified by the type of dissemination in previous chapter 4 of this Deliverable.

CSTB

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
CSTB Webzine French (www.cstb.fr/actualites/webzine/webzine.html) English (www.cstb.fr/actualites/english-webzine.html). Note: this instrument postponed from year #1 to year #2 – in relationships with publication of Vision & SIP.	The WebZine is the primary dissemination tool for CSTB. It is a free monthly online magazine that gives an update on the stakes and latest news of the construction sector.	Internet webzine	More than 60000 registered recipients, in the construction sector	Construction sector. Thematic sections related to environment and energy, risk and safety, economics, architecture and training.	2 articles corresponding to the major milestones for the REFINET project (e.g. Release of the Vision, Publication of the REFINET SIP)
Collaboration with other networks	Dissemination towards the European Construction Technology Platform (ECTP)	Email, news, related media networks	ETPs industrial members (in ECTP and rEFINE)	Information about REFINET project and the ICT roadmap	Increase of awareness (and potential feedback) from many ETP stakeholders.
Conferences and events Key 2016 conferences: ECTP2016 TRB2017 (others to be confirmed, e.g. in relationships with CIB for instance).	Submission of papers + presentations at conferences, to generate awareness and discussions the REFINET main outputs.	International conferences	All experts & stakeholders involved in the infrastructure domains (Construction & engineering industry, Technology integrators, Asset Managers) as well as all transport modes owners & operators	Innovation in sustainable mobility for Europe (including infrastructures), related to road resp. Railway. Innovation in the Built environment (Buildings and infrastructures).	Articles & presentations – providing international visibility

Table 16 CSTB dissemination activities during 2nd year

FEHRL

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Collaboration with other networks	Dissemination of REFINET project in ERTRAC	Regular Internal meetings	ERTRAC members	Information about REFINET project and progress	Increase of awareness (and potential feedback) from many ERTRAC stakeholders.
FEHRL internal networks	Presentation in FEHRL meetings: Research Coordinators meeting (2/year), General Assembly (2/year) Presentation in external meetings such like CEDR, EAPA, EUPAVE meetings	Dissemination of REFINET project in internal meetings	FEHRL Members and networks	Information about REFINET project and progress	Increase of awareness (and potential feedback) from FEHRL members.
FEHRL website (http://www.fehrl.org/index.php?), e-newsletter and social media	FEHRL will include from time to time (upon agreement of the consortium) a reference to REFINET in its e-newsletter published every 2-3 months, as well as on its website and social media (Linked In groups, Twitter and Facebook)	Website and related social media social media	transport infrastructure research experts	Information about REFINET project and progress	to promote the project's progress and results, as well as announce upcoming events. The newsletter will report the news of the project (and all related projects) to key stakeholders, stimulating the afore-mentioned stakeholder list (which will grow continuously during the project).
Publications in journals	to publish articles in the semi-annual FEHRL Infrastructure Research Magazine (FIRM) as well as relevant journals such as World Highways and Thinking Highways. In 2016 this will include updates in FIRM8 in July 2016 and FIRM9 in December 2016	Hard-copy magazine	transport infrastructure research experts	Information about REFINET project and progress	Articles providing international visibility

Table 17 FEHRL dissemination activities during 2nd year

DRAGADOS

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Newsletter of the R&D Committee of the ACS Group's Construction Companies	The newsletter is a magazine edited by DRAGADOS and published twice a year with contributions focused on R&D from the construction companies of the ACS Group worldwide.	Digital Magazine	Employees and selected customers or potential clients of the ACS Group's Construction companies worldwide, from Europe to Australia, North America, South America, Middle East, etc.	Information about the REFINET project and its progress	Make known the project and its results globally.
DRAGADOS internal training courses	References to REFINET as part of the DRAGADOS training courses	Presentation at the different transport related courses	DRAGADOS employees	Information about the REFINET project and its progress. Awareness about the companies R&D activities in the transport infrastructure sector.	Awareness among transport infrastructure experts of project results.
Collaboration with other networks	PTEC's Transport Infrastructure Work Group is led by DRAGADOS and VIAS. Meetings, in June 2016, November 2016 and February 2017	Information about REFINET in the different Transport Infrastructures Working Group meetings	Spanish Industrial and research entities	Information about the REFINET project and its progress.	Awareness among transport infrastructure experts from the industry and the academia of project results
Collaboration with other networks	ENCORD WG on Infrastructures (Refinet workshop) October 2016	Presentation	Largest infrastructure construction companies in the world.	Information about the REFINET project and its progress.	Awareness among transport infrastructure experts from the industry and discussion about project progress.

Table 18 DRAGADOS dissemination activities during 2nd year

TECNALIA

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Workshops and events	Organisation of a local workshop at the Civil Engineers Professional Body (Bilbao, Sep 2016)	Presentation	Spanish Industrial and research entities	SIP	Promote the project's progress and results, regarding best practices, available technologies and the Strategic Implementation Plan
Publication in journals	<p>Submission of papers to two of the following Spanish magazines, which are reference publications in the transport infrastructure sector, aimed at owners and operators:</p> <p>Ingeniería Civil Cedex (http://www.cedex.es/CEDEX/LANG_CASTELLANO/DOCU/PUBLICACIONES/RINGCIVIL/)</p> <p>Civil Engineering magazine is a magazine of technical and scientific, specialized in the fields of civil engineering: roads, water, port and coastal engineering, structures and building materials, environmental, geotechnical and related disciplines.</p> <p>Revista de Obras Públicas (http://ropdigital.ciccp.es/acerca-de.php)</p> <p>The Revista de Obras Públicas (ROP) is essentially a civil engineering journal. The journal is published by the Spanish Institution of Civil Engineers and is subsequently geared towards both this group of professionals and those in related areas both at home and abroad. The articles published in the journal subsequently aim to be of utmost interest to all potential readers.</p> <p>Ingeopress, http://www.ingeopres.es/</p> <p>INGEOPRES is a monthly magazine about up-to-date civil engineering, mining, energy, geology and environmental techniques. The average monthly circulation is 11.500 copies,</p> <p>Ache: http://www.e-ache.com/Ache is a non-profit association declared of public interest, consisting of technicians interested in the field of concrete structures, both in the development of knowledge and its practical use</p>	Paper	Spanish Industrial and research entities	RMMTI model. SIP	Articles providing international visibility

Table 19 TECNALIA dissemination activities during 2nd year

D'Appolonia

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
D'Appolonia website and newsletter second version	D'Appolonia will primarily disseminate the project to the external public through its website (www.dappolonia.it) and through the website of the mother company RINA (www.rina.org). An internal (to the RINA group) e-newsletter will be distributed as well	Website	All interested accessing the website Employees belonging to the RINA Group	Refinet SIP and its deployment strategy	Promote the project's progress and results
Collaboration with other networks (invite RINA at autumn workshop as representative of WATERBORNE)	Through RINA, currently appointed as vice-chair of the Waterborne Technology Platform (WATERBORNE-TP), D'Appolonia will ensure that the waterborne community will be made aware of the project results	Internal meetings	Members of the WATERBORNE Technology Platform	WATERBORNE's perspective for Refinet SIP	Inputs to consolidating the strategy for the Deployment of the Refinet SIP
Collaboration with other networks	The project closed early 2016, however, D'Appolonia will continue providing a direct connection with the CSA MESA "Maritime Europe Strategy Action" (http://www.waterborne-tp.org/index.php/mesa) whose objectives were in line with main strategic objective of the WATERBORNE-TP.	Meetings, information sharing (brief presentations, documents)	MESA project partners and through them the MESA users and stakeholders	Refinet will interact with MESA through their Exploitation activities Refinet SIP and its deployment strategy	Increase of awareness (and potential feedback) from many ETP stakeholders.
Other EU projects	Connection with the H2020 Secure Society project EU-CIRCLE, D'Appolonia is member of, will continue. EU-CIRCLE.	Project Meetings and presentation	Projects consortia	Information exchange and identification of possible synergies Refinet SIP and its deployment strategy	Involve infrastructure managers in the autumn workshop
Other EU projects	LOGIMATIC (H2020 Space project started March 2016) – DAPP is a partner; topic: using satellite technology to improve logistics in ports. Advisory Board and project partners are port authorities (exchange through workshops)	Project Meetings and presentation	Projects consortia & Advisory Board	Information exchange and identification of possible synergies Refinet SIP and its deployment strategy	Inputs to consolidating the strategy for the Deployment of the Refinet SIP

Table 20 D'Appolonia dissemination activities during 2nd year

ARUP

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
ARUP internal networks and newsletters	Arup's internal global Skill Networks enable the firm to mobilise expertise rapidly, identify needs in professional practice, and inspire the informal contributions of large numbers of people to advance understanding and knowledge	Dedicated intranet page and circulation via internal newsletters	Advanced Technology & Research (389 members) Building Performance & Systems (442 members) Civil Engineering & utilities (948 members) Digital Environments (1842 members) Highway Engineering (890 members) Maritime (504 members) Master Planning & urban design (431 members) Operations Consulting (426 members) Rail Engineering (794 members) Structural Engineering (2400 members) Transport Planning (619 members)	Transport systems, BIM, Asset Management.	Promote and disseminate ReFINET outputs, plus seek engagement and input from global networks.
ARUP Internal webinars and events		Webinar and face-to-face presentations of REFINET project	Approximately 50 participants at each webinar plus wider audience reached through creation of intranet page	European transport and construction-related research	Promote and disseminate ReFINET, plus seek engagement and input from global networks.

			Approximately 8 participants at each internal meeting of Arup Business Leaders		
Conferences and events	<p>KTN / Innovate UK event on infrastructure systems, July / Aug 2016 (tbc)</p> <p>CIRIA Council / Network event presentation, October 2016 (tbc)</p>	Conference presentations giving overview of REFINET work programme (2015) and initial outputs (2016)	Conference attendees from the rail, highway, maritime and construction sectors.	Transport, Mobility and Infrastructure construction for all modes of transport.	Presentations providing international visibility
External communication channels	<p>Dissemination through membership of Construction Industry Research and Information Association (CIRIA) - magazine article, newsletter and/or event presentation</p> <p>Dissemination through membership of Knowledge Transfer Network Built Environment Theme Steering Group, and UK National Platform for the Built Environment.</p> <p>Inclusion of REFINET project summary and link to website/outputs in forthcoming new Arup Research Website (October/November 2016).</p>	<p>Magazine / newsletter articles; Presentations at strategic meetings.</p> <p>Website</p>	Construction, built environment and transportation professionals including from industry, academia, SMEs, and regulators	Information about the REFINET project and its progress, and link to outputs when they are available.	Awareness among transport infrastructure experts from the industry and discussion about project progress.

Table 21 Arup dissemination activities during 2nd year

PTEC

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Collaboration with other networks	<p>NTPs Network meetings in June 2016, Nov. 2016 and Feb. 2017</p> <p>Newsletters in June 2016, Nov. 2016 and Feb. 2017.</p> <p>Webinar workshops with Transport Infrastructures specialists nominated by NTPs</p>	Information in meetings and newsletters	National technology Platforms Industrial and research members of each Platform	Information about REFINET project and the ICT roadmap	<p>Promote the participation of external experts</p> <p>Make known the results of the project</p> <p>Announce of upcoming events</p>
PTEC network	Meetings of Transport Infrastructures PTEC WG in June 2016, October 2016 and February 2017	Internal meetings	Industrial and research entities	Information about REFINET project and the ICT roadmap	<p>Promote the participation of external experts</p> <p>Make known the results of the project</p> <p>Announce of upcoming events</p>
Web PTEC and newsletter www.plataformaptec.es	Weekly publication of e-newsletters	Web and related social media	Around 2000 registered recipients	Construction sector	<p>Make known the results of the project</p> <p>Announce of upcoming events</p>

Table 22 PTEC dissemination activities during 2nd year

UIC

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
UIC FOCUS N°3 Europe-Innovating for the future European railway system (April 2016)	Project description and key achievements	Brochure	Railway stakeholders	Information about REFINET	Make known the results of the project
E-news	REFINET progress	Article published on UIC website	Public	Information about REFINET	Make known the results of the project Announce of upcoming events
Conferences and events	11th World Congress on Railway Research	Presentation	Railway stakeholders	Presentation of achievements and objectives of the REFINET project	Make known the results of the project
Collaboration with other networks	ERRAC Steering committee	Presentation	Railway stakeholders	Presentation of achievements and objectives of the REFINET project	Make known the results of the project Announce of upcoming events

Table 23 UIC dissemination activities during 2nd year