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REFINET

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WP5

D5.2

PTEC

Communication and Dissemination Report

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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
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 made this vision a reality.

The present document summarizes the dissemination activities to be carried out in order to aware the sector about the REFINET Vision and Strategic Implementation Plan SIP and create synergies with other initiatives.

This plan considers two dissemination levels:

- **Internal dissemination** focussed to REFINET consortia and Group of experts
- **External dissemination** that also includes the members of REFINET network and other people interested in Transport Infrastructures.

Dissemination activities will be focused on three sectors that have been identified as especially relevant to assure the expected impact of the project: Transport sector, Construction sector and ICT (Information and Communication Technologies) sector.

Three main dissemination actions have been defined:

- **Dissemination of REFINET results.** That action tries to make known the project results among RTD community and the industry (particularly SMEs) in the identified sectors;
- **REFINET network**, oriented to promote the participation of external experts;
- **International Entities**, oriented to promote the dialogue with decision-making bodies.

Interaction between three European CSAs in Transports (REFINET, FOX and USE-iT) in communication and dissemination is planned

The document will be updated during the life of project including the activities not yet defined and a new version will be ready at month 12 (Deliverable 5.3).

2.- INTRODUCTION

The objective of the present document is to define the communication and dissemination activities to be developed in the frame of the REFINET project in order to disseminate a deep knowledge of the activities carried out by the consortium.

Both internal dissemination (with close interaction between the REFINET consortium and REFINET Group of experts) as well as external dissemination will be considered in the plan.

In relation with the target audience of REFINET, three sectors have been identified as especially relevant to assure the expected impact of the project:

- Transport and infrastructures sector.
- Construction sector
- ICT (Information and Communication Technologies) sector.

The REFINET communication and dissemination plan will assure both RTD community and the industry (particularly SMEs) to be informed about innovative scenarios, vision and priorities, etc. (to be redrafted).

Related to joint dissemination activities between three European CSAs in Transports (REFINET, FOX and USE-iT), joint event sessions will be planned over 2016 and 2017. Also, the three project Coordinators and Dissemination Managers will 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). Based on this identification by each project, common targeted dissemination strategies will be identified, and in a second step, a coordinated approach for the deployment of those common strategies will be devised.

3.- OVERALL DISSEMINATION APPROACH

REFINET will develop an integrated dissemination (with close interaction between REFINET consortia and the REFINET Group of experts) and external dissemination (typically through well-organized support to conferences, workshops, online newsletters, etc.). This translates into not only informing the RTD community and the industry, and SMEs in particular, about innovative scenarios, vision and priorities (SIP), but into paving the way towards the integration in the process loop of the various stakeholders along the value chain, with their different expertise, and so as to generate a vision and SIP that are indeed shared by the whole community and indeed integrating the most of the stakeholders views and feedback.

The dissemination objectives are:

- To raise awareness on REFINET project results (best practices, scenarios, vision, SIP).
- To enhance 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 projects about transport infrastructures.

Deliverables and other results of REFINET will be public in order to maximize the impact of the project.

REFINET partners will participate in all dissemination activities and PTEC will be in charge of the coordination of those activities as WP5 coordinator.

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

4.- EXPECTED RESULTS

These are the main expected results:

- Refinet Web within Transport Mobility at ECTP new website that will be continuously updated
- Social media (Facebook, LinkedIn and Twitter) Every relevant event or new public deliverable will be disseminate through social media
- Two leaflets during the life of the project

- Six newsletters during the life of the project
- At least 6 publications in specialized magazines during the 2016
- 12 presentations in conferences during 2016
- Dissemination of the summary of each workshop that will be organized within WP3 activities
- Dissemination of the summary of each workshop that will be organized within WP4 activities
- Two international conferences during the life of the project

5.- DISSEMINATION TARGET GROUPS

REFINET NETWORK AND OTHER INTERESTED PEOPLE	
Objective	Make known the project results
Responsible(s)	PTEC with support of all partners
Target	RTD community and the industry (particularly SMEs) in the identified sectors REFINET NETWORK
Dissemination channels	WEB REFINET e-newsletter Social media Papers and speeches in events International conferences
REFINET CONSORTIA AND GROUP OF EXPERTS	
Objective	Promote the participation of external experts
Responsible(s)	PTEC with support of all partners
Target	Refinet consortia Experts group
Dissemination channels	e-newsletter REFINET workshops and conferences REFINET web Speeches in events
INTERNATIONAL ENTITIES	
Objective	Promote dialogue with decision-making
Responsible(s)	PTEC with support of all partners
Target	European Commission European Parliament External bodies Local Authorities etc.
Dissemination channels	e-newsletter REFINET workshops and conferences

Table 1 Dissemination target groups

6.- DISSEMINATION INSTRUMENTS

REFINET website

The REFINET website will be integrated into the Infrastructure / Mobility Committee of the ECTP website and it will be created during the early phase of the project.

The site aims to be a channel of continuous communication with stakeholders and a regularly updating of the web contents will be done.

The structure of the website will include a public area as well as a private one. The layout of the public website will include:

- **REFINET CSA** will present an overview of the objectives and the activities proposed within REFINET
- **PARTNERSHIP**
- **DOCUMENTS** will include both, REFINET documents as well as EC and stakeholders documents related to the REFINET topic. REFINET documents will include: REFINET deliverables (only final versions), publications in specialized magazines, etc.
- **LINKS** to relevant websites of the EC, the partners, the relevant ETPs and clusters/networks active in the relevant fields of the project
- **NEWS**, uploaded on a regular basis
- **CALENDAR** setting out REFINET events and also other ones of in the relevant areas of the project
- **REFINET NETWORK** (without contact details)
- **REGISTER** for the reception of the REFINET e-newsletter
- **ACCESS TO THE PRIVATE AREA.** The private area will include all REFINET documents. Its access will be restricted to REFINET members and REFINET experts. This Private Area is already operative and used by the REFINET consortium Members.
- **ACCESS TO REFINET SOCIAL NETWORKS**

It has been decided to integrate REFINET strategy within ECTP & Infrastructure / Mobility strategy. Consequently, some delay has been produced when preparing REFINET web due to the new ECTP website under preparation.

DISSEMINATION OF WORKSHOP SUMMARIES

The dissemination of REFINET results to relevant stakeholders and the transport infrastructures sector will be carried out, among others, through sectorial workshops and conferences conducted on a regular basis in different member countries.

REFINET experts will be contacted and asked to contribute to workshops and conferences.

Summaries of workshops organized in the frame of WP 3 and 4 will be used as dissemination material.

REFINET CONFERENCES

Conferences in April 2016 (at TRA) and April 2017 (at the FEHRL Infrastructure Research Meeting FIRM17 along with the USE-iT final workshop) will be organised in coordination of other CSAs funded by EC under topics 8.1 and 8.2.

PTEC, as coordinator of dissemination activities, will closely collaborate with FEHRL as coordinator of FOX and USE-it, in the organization of the Conferences.

LEAFLETS

The partners will develop specific communication content (brochures, leaflets) targeted to the general public (infrastructures owners and managers, local authorities, etc.) and distribute them in events targeting this audience.

EXTERNAL EVENTS

The partners will attend project related events, conferences, seminars, workshops etc. to promote project results. The table shows a tentative list of main conferences and workshops of interest

Event	Web	Key topics			
		Construction	Transport	ICT	General
ERTRAC Annual Conference	http://www.ertrac.org/index.php?page=ertrac-annual-conference		T		
TRA 2016	http://www.traconference.eu		T		
TEN-T Days	http://www.tentdays2013.eu		T		
INNOTRANS Conference	http://www.innotrans.de/en		T		
ECTP Conference 2016	http://www.ectp.org/Conference2014.asp	C		ICT	
ENCORD Workshops	http://www.encord.org/?page_id=24	C		ICT	
CIB World Building Congress	http://www.wbc16.com	C			
Workshops of the construction NTPs network	www.ectp.org	C			
APM Conference	http://www.apmconference.org/			ICT	
Danish Maritime Forum	www.danishmaritimedays.com/		T		
Scotland's Next Generation Smart Rail,	http://www.mackayhannah.com/conferences/s-cotlands-next-generation-rail-smart-partnership-across-the-industry		T		
AREMA 2015	https://www.arena.org/meetings/2015/index.html		T		
AusRail 2015	http://www.ausrail.com/		T		
World Congress on Rail Research	http://www.wcrr2016.org/		T		

Table 2 Tentative list of main conferences and workshops of interest

NEWSLETTERS

REFINET e-newsletter 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.

Newsletter targets will be REFINET network members, REFINET Group of experts, participants in REFINET public events and anyone else interested in the REFINET topic.

COLLABORATION WITH OTHER NETWORKS

REFINET results will be also disseminated through different networks. The different National Construction and Transport Technology Platforms will 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 will disseminate the results of the project by means of the NTPs newsletter and internal meetings.

Other REFINET members with a close collaboration with other European construction networks will 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) will allow reaching also stakeholders out of Europe.

DISSEMINATION ACTIVITIES WITH INTERNATIONAL ENTITIES

Some specific activities are planned to disseminate REFINET results at European Commission, European Parliament and other International Entities.

OTHER DISSEMINATION CHANNELS

- Results of the project will be published in specialized magazines.
- Social media like LinkedIn will be utilised to promote the project results
- Each member will disseminate REFINET results through its corporative websites and e-newsletters
- FEHRL and PTEC will inform about REFINET project in its internal meetings
- Educating policy makers to gain their support will entail communicating the information so that the trade-offs and investment priorities are clear.
- Peer reviewed scientific publications (scientific audience).
- Participation at conferences.
- Poster (civil and scientific audience).
- Leaflets (civil and scientific audience).
- Web site (civil and scientific audience).
- Press Release (civil and scientific audience).

7.- PARTNER SPECIFIC DISSEMINATION PLANS

This chapter summarizes the own dissemination plan to be carried out by each REFINET member during the first year of the project.

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).	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 rFINE)	Information about REFINET project and the ICT roadmap	Increase of awareness (and potential feedback) from many ETP stakeholders.
Conferences and events Key 2016 conferences: TRA2016 WCRR2016 (CIB) WBC2016 (CIB World Building Congress)	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 3 CSTB dissemination activities

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	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.

	meetings such like CEDR, EAPA, EUPAVE meetings				
Conferences and events	Session on Cross-modal transport infrastructure with USE-IT and FOX CSAs at FIRM17 in April 2017 (along with USE-iT final conference)	International conferences	transport infrastructure research experts	Information about REFINET project and progress	Articles & presentations – providing international visibility
Conferences and events	Organization of a session on Cross-modal transport infrastructure with USE-IT and FOX CSAs at TRA2016 in April 2016	Organization of events	transport infrastructure research experts	Information about REFINET project and progress	Articles & presentations – providing international visibility
Conferences and events	Presentation at TRB16 within the FEHRL-FHWA meeting gathering high level EU and USA representatives	International conferences	transport infrastructure research experts	Information about REFINET project and progress	Articles & presentations – providing international visibility
FEHRL website (http://www.fehrl.org/index.php?) and e-newsletter	FEHRL will include from time to time (upon agreement of the consortium) a reference to REFINET in its e-newsletter published every 2 months	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	Hard-copy magazine	transport infrastructure research experts	Information about REFINET project and progress	Articles providing international visibility

Table 4 FEHRL dissemination activities

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,	Information about the REFINET project and its progress	Make known the project and its results globally.

			SouthAmerica, Middle East, etc.		
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 September 2015, November 2015 and February 2016	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	REFINET item in the agenda of the next ENCORD council meeting	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.
Collaboration with other networks	Infrastructures Conference organized by PTEC that will take place in February 2016 in Barcelona	Public conference	Around 150 participants expected (Industrial companies and research groups)	Information about REFINET project and the ICT roadmap	Awareness among transport infrastructure experts.
Conferences and events	TRA 2016 Invited session on REFINET, USE-iT and FOX CSAs	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	Transport, Mobility and Infrastructure construction for all modes of transport.	Presentations providing international visibility

Table 5 DRAGADOS dissemination activities

TECNALIA

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Collaboration with other	PTEC's Transport Infrastructure Working Group Meeting 22 ND September 2015,	Presentation about REFINET	Spanish Industrial and	Information about the	Awareness among transport

networks	November 2015 and February 2016	in the different Transport Infrastructures Working Group meetings	research entities	REFINET project Refinet multimodal transport infrastructure (RMMTI) model and its progress.	infrastructure experts from the industry and the academia of project results
Collaboration with other networks	PTC Spanish Road Technological Platform meetings in 2015 and 2016	Presentation about REFINET in the different meetings	Spanish Industrial and research entities	Information about the Refinet multimodal transport infrastructure (RMMTI) model and its progress.	Awareness among transport infrastructure experts from the industry and the academia of project results
Workshops and Events	Contribution to the workshop to be organised by PTEC at Madrid, 21ST October 2015, being the contribution focused on the dissemination of the objectives of the project for the definition of a multi-modal transport infrastructure model	Presentation	NTP	Gathering the needs for the definition of a multi-modal transport infrastructure model	Awareness among transport infrastructure experts from the industry and the academia of project results regarding the RMMTI model
Workshops and events	Organisation of three workshops in the context of WP3 in order to analyse: the technological demands of the new transport infrastructures (Madrid NOV-DIC 2015) and another one focused on the existing transport infrastructures (Madrid NOV-DIC 2015), and the third to discuss with the refinet network the achievement of the reFINET Vision and Strategic Implementation Plan (SIP) (BRUSSELS TBC Sep 2016)	Presentation	REFINET network	Technological demands of the new and transport infrastructures to be represented in the RMMTI model	Awareness among transport infrastructure experts from the industry and the academia of project results regarding the RMMTI model and the SIP.
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	Submission of papers to two of the following Spanish magazines, which are reference publications in the transport infrastructure sector, aimed at owners and operators: Ingeniería Civil Cedex (http://www.cedex.es/CEDEX/LANG_CASTELLANO/DOCU/PUBLICACIONES/RINGCIVIL/) 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,	Paper	Spanish Industrial and research entities	RMMTI model. SIP	Articles providing international visibility

	<p>geotechnical and related disciplines.</p> <p>Revista de Obras Públicas:(http://ropdigital.ciccp.es/acerca-de.php) 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/ 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, 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>				
Conferences and events	<p>Presentation at TRA16. Submission of papers + presentations at conferences</p>	<p>Articles & presentations – providing international visibility</p>	<p>All experts & stakeholders involved in the infrastructure domains (Construction & engineering industry, Technology integrators, Asset Managers) as well as all transport modes owners & operators</p>	<p>RMMTI model. SIP</p>	<p>Disseminate refine results, focusing on the SIP.</p>
TECNALIA website	<p>Dissemination at the web of Tecnalía of relevant events and main results of the project</p>	<p>Website and related social media social media</p>		<p>RMMTI model. SIP</p>	<p>to promote the project’s progress and results, as well as announce upcoming events.</p>

Table 6 TECNALIA dissemination activities

D’Appolonia

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
D’Appolonia website and newsletter	<p>D’Appolonia will primarily disseminate the project to the external public through its website (www.dappolonia.it) and through the website of</p>	<p>Website</p>	<p>All interested accessing the website</p>	<p>Information about overall goal and objectives of REFINET</p>	<p>Promote the project’s progress and results</p>

	<p>the mother company RINA (www.rina.org).</p> <p>An internal (to the RINA group) e-newsletter will be distributed as well</p>		Employees belonging to the RINA Group		
Collaboration with other networks	<p>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</p>	Internal meetings	Members of the WATERBORNE Technology Platform	Information about overall goal and objectives of REFINET	Increase of awareness (and potential feedback) from many ETP stakeholders.
Collaboration with other networks	<p>D'Appolonia will provide a direct connection 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.</p>	Meetings, information sharing (brief presentations, documents)	MESA project partners and through them the MESA users and stakeholders	Information about overall goal and objectives of REFINET to identify synergies	Increase of awareness (and potential feedback) from many ETP stakeholders.
Other EU projects	<p>D'Appolonia will facilitate an exchange of information among REFINET and Security projects related to Critical Infrastructure (CI) protection against climate changes and natural hazards. Among the others, a connection with the H2020 Secure Society project EU-CIRCLE, D'Appolonia is member of, will be established. EU-CIRCLE – "A pan-European framework for strengthening Critical Infrastructure resilience to climate change" aimed at making the interconnected and interdependent European Critical Infrastructures more resilient to climate change. Inputs on topics such as resilience of infrastructures and trends on infrastructure protection against climate changes will be accounted for and considered in the REFINET long-term vision.</p>	Project Meetings and presentation	Projects consortia	Information exchange and identification of possible synergies	Strengthening the cooperation and exchange of information with other projects and initiatives related to the impact of climate changes and natural hazards on critical infrastructures
Conferences and events	<p>D'Appolonia will attend TRA2016, presenting the paper entitled "Towards an comprehensive Asset</p>	Presentation of REFINET project	All stakeholders in the transport	Information about REFINET Strategic Vision and details on the future of	Articles & presentations – providing international

	Integrity Management (AIM) approach for European Infrastructures”, whose co-authors are among the others Dragados and Bast (FEHRL member).		sector	Transport Assets Integrity Management	visibility
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Table 7 D`Appolonia dissemination activities

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 webinar	Presentation on REFINET	Webinar	Approximately	European	Promote and

	as part of Global Research webinar on European research funding (delivered on 22 July 2015)	presentation of REFINET project	50 participants plus wider audience reached through creation of intranet page	transport and construction-related research	disseminate REFINET, plus seek engagement and input from global networks.
Conferences and events	<p>ReFINET will be presented at the following conferences:</p> <p>Danish Maritime Forum,</p> <p>AREMA 2015</p> <p>Scotland’s Next Generation Smart Rail</p> <p>AusRail 2015</p> <p>APM Conference 2016</p> <p>World Congress on Rail Research</p> <p>CIRIA Member Day 2016</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 – presentation at meeting that took place on 22 July and a further presentation planned for meeting taking place in November 2015.</p> <p>Possible workshop with KTN and UK National Platform for the Built Environment in November/December 2015.</p>	Magazine / newsletter articles; Presentations at strategic meetings.	Construction, built environment and transportation professionals including from industry, academia, SMEs, and regulators	Information about the REFINET project and its progress.	Awareness among transport infrastructure experts from the industry and discussion about project progress.

Table 8 Arup dissemination activities

PTEC

Dissemination instrument	Outline	Media type	Audience	Main topics	REFINET related dissemination
Collaboration with other networks	Dissemination through NTPs Network: 3 NTPs meeting each year 4 newsletters each year. Workshops with Transport Infrastructures specialists nominated by NTPs (First one in October 21 st , 2015)	Information in meetings and newsletters	National technology Platforms Industrial and research members of each Platform	Information about REFINET project and the ICT roadmap	Promote the participation of external experts Make known the results of the project Announce of upcoming events
PTEC network	Information in Transport Infrastructures PTEC Working Group meetings, in September 2015, November 2015 and February 2016	Internal meetings	Industrial and research entities	Information about REFINET project and the ICT roadmap	Promote the participation of external experts Make known the results of the project Announce of upcoming events
PTEC network	Infrastructures Conference organized by PTEC that will take place in February 2016 in Barcelona	Public conference	Around 150 participants expected (Industrial companies and research groups)	Information about REFINET project and the ICT roadmap	Make known the results of the project Announce of upcoming events
Web PTEC and newsletter www.plataformaptec.es	Weekly publication of a e-newsletter	Web and related social media	Around 1500 registered recipients	Construction sector	Make known the results of the project Announce of upcoming events

Table 9 PTEC dissemination activities

8.- MEASUREMENT OF DISSEMINATION EFFECTIVENESS

INDICATOR	TARGET
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
Participation in workshops and conferences	More than 12 presentations of REFINET results in conferences and events
People registered in REFINET public conferences	More than 100 participants
Followed in social networks	More than 500 followers
Stakeholders reached though papers in journals and conferences	More than 10.000 stakeholders reached

Table 10 Indicators of effectiveness

9.- DETAILED ACTION PLAN FOR 1ST PERIOD (m1 to m12)

REFINET WEB

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
Web development	ECTP + PTEC		December 2015
Web content	PTEC	all partners	Continuous

Table 11 Activities related to REFINET web during the 1st period

DISSEMINATION OF WORKSHOP SUMMARIES

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
Workshop with NTPs experts on Transport Infrastructures	PTEC	TECNALIA DRAGADOS	21 st October 2015 (by WebEx)
Workshop on Technological demands in New and Existing Transport Infrastructures	TECNALIA	PTEC DRAGADOS ARUP	2 nd December 2015, at IETcc, Madrid, Spain

Table 12 REFINET workshops during 1st period

REFINET CONFERENCE

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
1 st Conference session at TRA 2016 (Warsaw) with Fox and Use-it CSAs	FEHRL	PTEC & Other partners	19 th - 21 st April 2016

Table 13 REFINET Conferences

LEAFLET

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
1 st leaflet	PTEC	FEHRL	October 2015

Table 14 REFINET dissemination material

PARTICIPATION IN EXTERNAL EVENTS

EVENT	PARTICIPANT(S)
ERTRAC Annual Conference	FEHRL
6th European Transport Research Conference TRA 2016. 18 th -21 st April Warsaw, Poland	FEHRL CSTB D`APPOLONIA TECNALIA DRAGADOS
CIB World Building Congress 2016 WBC2016. 30 th May-3 rd June Tampere, Finland	CSTB
Transportation Research Board TRB 2016 January 10 th –14 th Washington, D.C.	FEHRL
11 th World Congress on Railway Research WCCR 2016 29 th May-2 nd June Milan	CSTB
Workshops of the construction NTPs network	PTEC
Danish Maritime Forum, 5 th - 9 th October Copenhagen	ARUP
AREMA 2015, , 4 th -7 th October Minneapolis	ARUP
Scotland's Next Generation Smart Rail, 28th October Edinburgh	ARUP
AusRail 2015, 24-26 November 2015 Melbourne	ARUP
APM Conference 2016, , 17 th -20 th April 2016 Toronto	ARUP
World Congress on Rail Research, 29 th May - 2 nd June Milan	ARUP
ENCORD council meetings	DRAGADOS
EraNet INFRAVATION kick-off meeting (Nov.12-13 th) with 8 project consortia	FEHRL, PTEC, TECNALIA
TEN-T Days	
INNOTRANS Conference	
2015 IEEE 18 th International Conference on Intelligent Transportation Systems - (ITSC 2015)	
ECTP Conference 2016	

Table 15 Participation in external events during 1st period

REFINET NEWSLETTER

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
1 st REFINET newsletter	PTEC	All partners	November 2015
2 nd REFINET newsletter	PTEC	All partners	February 2016
3 rd REFINET newsletter with FOX and USE-it CSAs	PTEC & FEHRL	All partners	April 2016

Table 16 REFINET newsletters

COLLABORATION WITH OTHER NETWORKS

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
REFINET news in NTPs network newsletter	PTEC		15 th October 2015

REFINET news in NTPs network meeting	PTEC		22 nd October, 2015
Presentation of REFINET (11 th PTEC conference)	PTEC		24 th of February 2016
REFINET news in NTPs network newsletter	PTEC		February 2016
ECTP	CSTB	Dragados, Tecnalia, Arup, D'Appolonia	Continuous
ENCORD	DRAGADOS		Council meeting in October 5-6 th , 2015
Presentation of REFINET in CSAs FOX and USE-iT Consortia meetings and newsletters	PTEC	CSTB & FEHRL	Continuous
Two meetings per year of the CSA Coordinators and Dissemination Managers for Refinet, FOX and USE-iT	PTEC	CSTB & FEHRL	October 2015 and March 2016
ERTRAC	FERHL		Continuous
WATERWORNE-TP	D'APPOLONIA		Continuous

Table 17 Collaboration with other networks

PUBLICATIONS IN JOURNALS

JOURNAL	RESPONSIBLE(S)
FEHRL Infrastructure Research Magazine (FIRM)	FEHRL
World Highways	FEHRL
Thinking Highways	FEHRL
Ingeniería Civil Cedex	TECNALIA
Revista de Obras Públicas	TECNALIA
Ingeopress	TECNALIA

Table 18 REFINET planned publications

DISSEMINATION ACTIVITIES WITH INTERNATIONAL ENTITIES

FEHRL will present REFINET at TRB16 within the FEHRL-FHWA meeting gathering high level EU and USA representatives

OTHER DISSEMINATION CHANNELS

TASK	RESPONSIBLE(S)	OTHER PARTICIPANTS	DEADLINE
Social Networks setup	PTEC	CSTB	December 2015
Participation and content in Social Networks	PTEC	All partners	Continuous
Dissemination through partners corporative websites and social media	All partners		Continuous

Table 19 Other dissemination channels