

FUNDRES

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Deliverable D5.1

Dissemination, Communication and Exploitation Plan

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1 History of changes

N°	Changes	Leader
0.1	26/03/2020	First version, input UIC
0.2	08/04/2020	First version, input LAPLACE
0.3	20/04/2020	Review, input EPFL
0.4	20/04/2020	Review, input POLIMI
1.0	27/04/2020	Final version, UIC
2.0	07/01/2021	Update, UIC

2 Authors

		Details of contribution
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	POLIMI Francesco Castelli Dezza Contributor 2	Revision input

3 Summary

This document has been prepared in order to provide a clear communication, dissemination and exploitation strategy for the Shift2Rail funded project FUNDRES (Future UNified Dc Railway Electrification System), and to describe the tools that will be used to facilitate the wide-spread of information and knowledge from the results created by the project, among and beyond the members of the consortium (and beyond the life of the project).

In this deliverable, we will present materials and strategies for communicating and disseminating FUNDRES objectives and results to railway stakeholders and the scientific community. Those include:

- The creation of a project identity;
- The creation of a public website;
- The publication of two newsletters;
- The intensive use of social media;
- The organisation of a final event;
- The creation of an advisory Board;
- Regular publications/articles on the project objectives and achievements;
- Participation in conferences and international railway events.

Throughout the project, the Dissemination Work Package (WP5) will drive the dissemination of information, particularly for the purpose of ensuring future exploitation and the collaboration with the other S2R projects. The widespread and targeted dissemination of the project outputs is vital to the acceptance and implementation of the technologies developed and for this reason all the other project partners are going to be involved in the production and publication of material like project flyer, newsletters, articles, press releases, presentations and scientific publications.

The task leader of the work package 5 is UIC with the support of all partners.

This deliverable will be a dynamic document that will be revisited and edited periodically and will evolve with the project.

This version is an update of the report submitted in April 2020. We have made a few updates in the text and have added 2 chapters:

- Chapter 7.6 will present our strategy of virtual dissemination should the Covid-19 pandemic last long in 2021
- Chapter 7.7 will present a summary of the dissemination KPIs during the 2-year duration of the project.

4 List of abbreviations

Abbreviation/Acronyms	Description
AB	Advisory Board
AC	Alternative Current
APEC	Applied Power Electronics Conference
CFM	Call For Members
CIFI	College of Italian Railway Engineers
DC	Direct Current
ECCE	IEEE Energy Conversion Congress and Exposition
ECPE	European Center for Power Electronics
EPFL	Ecole Polytechnique Fédérale de Lausanne
ERA	European Union Agency for Railways
ETR	Eisenbahn Technische Rundschau
FDCTS	Flexible DC Transmission System
FUNDRES	Future UNified Dc Railway Electrification System
GA	Grant Agreement
IEEE	Institute of Electrical and Electronics Engineers
IP	Innovation Programme
IRJ	International Railway Journal
JRRT	Journal of Rail and Rapid Transit
LAPLACE	Laboratoire Plasma et Conversion d'Énergie
PCIM Europe Conference	Conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management
POLIMI	Politecnico di Milano
RGCF	Revue Générale des Chemins de Fer
RTR	European Rail Technology Review
S2R JU	Shift2Rail Joint Undertaking
STC	Steering Committee
TD	Technology Demonstrator
TRA	The Transport Research Arena
TRL	Technology readiness level
UEEIV	Union European Railway Engineering Associations
UIC	Union Internationale des Chemins de fer
WCRR	World Congress on Railway Research
WP	Work Package

5 Background and objectives

5.1 Background

FUNDRES “Future UNified Dc Railway Electrification System” is a 24-month project, funded by the Shift2Rail JU under the European Union Horizon 2020 Research and innovation programme.

FUNDRES project answers to the challenges identified in the Shift2Rail Open Call “S2R-OC-IP3-01-201: Future traction power supply for railways and public transport”. The call is inserted on Shift2Rail Innovation Programme 3 -IP3 “Cost-Efficient and Reliable High-Capacity Infrastructure” of the Shift2Rail Master Plan, and it is related to the topics of Future traction power supply for railways and public transport.

The Call is associated to the Technology Demonstrator – TD3.9: Smart Power Supply.

The present document “Dissemination, Communication and Exploitation Plan” - Deliverable D5.1 – is the first deliverable within Work Package 5 (Communication, dissemination and link with other projects of S2R) of the FUNDRES project (Grant Agreement No. 881772).

WP5 involves three tasks, as follows:

- Task 5.1 - Project Dissemination and Promotion
- Task 5.2 - Dissemination activities and communication with other projects of S2R
- Task 5.3 - Exploitation plan

This report will present an overview of the work to be done in all three tasks.

5.2 Objectives

The main objectives of The Shift2Rail funded project FUNDRES “Future UNified Dc Railway Electrification System” are:

- to define the future unified DC railway electrification including:
 - the study of the strategy for changing the railway electrification system from 1.5 kVDC or 3 kVDC to 9 kVDC;
 - the setting-up of the Flexible DC Transmission System (FDCTS) concept which allows to implement a new DC line, interconnected with different AC lines by means of power electronics devices;
 - the analysis of the integration in a common DC link that acts as an energy hub that collects the electricity production from the other sources (wind or solar) or the braking trains and deliver it to the connected loads, as the trains in traction phase or the charging infrastructures for electric vehicles. These common DC link can be realised at various voltage levels;
- to deliver modelling tools to simulate all scenarios and to implement Digital Twins, both at equipment level and system level;
- to set up representative experimental demonstration to evaluate performances of the future system;
- to give recommendations for the new future unified DC railway power supply to the project’s advisory group, to the members of Shift2rail’s Innovation Programme n°3, to standardisation committees.

This document has been prepared in order to provide a clear dissemination, communication and exploitation strategy for FUNDRES, and to describe the tools that will be used to facilitate the wide-spread of information and knowledge from the results created by the project, among and beyond the members of the consortium (and beyond the life of the project).

Each of the project partners will be actively involved in the dissemination and exploitation activities. This document shall be regularly updated with the report on their activities and with the potential opportunities for publications, workshops, meetings and other types of events.

6 Project dissemination and promotion

6.1 Project graphic identity

6.1.1 Logo

As a first step, the project logo was prepared and approved by all partners. The typography of the FUNDRES logo is crisp, sober and straight, and its grey color symbolises the railways, rolling stock, technology and innovation. The train consists of two shades of blue separated by a white line evoking the electric current. Blue also symbolises safety and high technology.

Finally, the nose of the train is used to form the number 9, which corresponds to the voltage (in kV) of the new electrification system proposed by this project.



Figure 1 FUNDRES logo

This logo will be used further for all dissemination actions and will play a role of utmost significance in creating project association regarding visual communication.

6.1.2 Project templates

Project templates for PowerPoint presentations, word reports and meeting agenda and minutes, were prepared immediately after the creation of the project logo. This Deliverable Report was made according to the deliverable template that will be used for all project deliverables.

6.1.3 Project Flyer

An A5 flyer will be prepared in the first months of the project. It will contain a synthetic description of the project background, objectives and expected outcomes as well as facts and figures and the list of partners at kick-off date. It will be largely distributed by the project partners in all coming events (listed in paragraph 6.3 of this report) and in events organised by the project partners. A pdf version of the flyer will be made available for download on the project website and advertised through social media accounts of project partners.

6.2 Project public website

A dedicated website was set up at the beginning of the project using the already set graphic identity. The URL of the website is <https://fundres-project.eu/>. The website is publicly accessible, mobile friendly and is linked to Google Analytics to keep track of visitors. The public website contains the following pages:

- Presentation of the project
- The "About" Page will give the visitors an overview of the project aims, objectives and work plan.
- Consortium
- This page will display the list of all partner companies. Access to the partner websites will be allowed by clicking on their respective logos.
- News and events
- The "News" page provides information on past and upcoming events such as project meetings, participation in international conferences, etc. It will be updated regularly. News should also speak to non-experts so they will be written in a clear and understandable manner without jargon.
- Documents and download
- All FUNDRES publications (Press releases, flyer, newsletter...) and deliverables produced during the lifespan of the project will be made available in this section.
- Contact form (to send messages and requests to the dissemination WP leader);
- Members' area
- This tab is reserved to partners and enables them to access the FUNDRES private area.



Figure 2 FUNDRES website homepage

The structure of the public website will adapt and be amended to suit the project and partner's requirements as delivery occurs. The number of visitors on the project website is expected to amount to around 500 for the two-year duration.

The website will remain online at least 5 years after the end of the project so that the outcomes of the project remain available for the railway stakeholders and target audience.

6.3 Newsletters

The project will produce two newsletters. The first newsletter will be released around month 12 and the second newsletter towards the end of the project in month 24. The newsletters will provide up-to-date information on the status and achievements of the project. The newsletters will be circulated via e-mailing lists, via twitter and in a printed version that complements the project flyer.

In order to ensure that the widest audience possible is reached, each partner will use its own mailing list. The newsletters will also be uploaded on the project webpage and printed copies will be distributed at events and workshops. Content of FUNDRES newsletters will also be sent to S2R via the [S2R Projects Communication Planning Google sheet](#).

Additionally, the consortium partners will use their own networks to widely disseminate the results of the project.

6.4 Social media

Social Media will be largely used to communicate about the project objectives and results.

Twitter and LinkedIn will be the two preferred media for this purpose.

We will use the established twitter and LinkedIn accounts from the project partners and from Shift2Rail to communicate about the project and share the available documents. We will always use the (#FUNDRES) so that all communication about the project is focused and gathered under the same #.

Regular posts will be prepared by FUNDRES partners for sharing on S2R social media channels, and this content will be put on the [S2R Projects Communication Planning Google sheet](#).

Project partners will make at least 50 posts during the life duration of the project. They will continue after the project end to disseminate via social media the results of the project.

7 Dissemination activities and communication with other projects of S2R

This task will actively engage the target audiences of S2R JU and partners of IN2STEMPO for a sound impact of the project. The structure, work programme and expected outcomes of FUNDRES are aligned with the objectives of the Shift2Rail JU project IN2STEMPO “Innovative Solutions in Future Stations, Energy Metering and Power Supply” (GA 777515) and will also contribute to the progress of the Shift2Rail Innovation Programme (IP3) work.

The project partners will also ensure close collaboration with the Shift2Rail and actively participate in liaising, disseminating and communicating activities promoted by Shift2Rail. FUNDRES partners will also provide all materials requested by S2R JU for editions of an e-newsletter, for website, for dissemination through social media applications such as LinkedIn groups and twitter. The dissemination at the public level, will be coordinated with the members of S2R JU and the IP3 steering committee.

7.1 Target audience

The consortium plans to disseminate the results at three different levels:

- Cooperation with the S2R JU and IN2STEMPO members
- Scientific community and railway operators
- Public

In collaboration with WP1, a map of the dissemination target audiences was built at the start of the project. This map will be used to tailor the dissemination channels to the needs of these target audiences by defining a distinct strategy of targeted messages, means and language.

The target groups have been identified and described on the basis of the level of interest in the topics and the use of information/communication: conceptual use, impacting levels of knowledge and understanding, strategic use, impacting the definition of policies and broad research themes.

Railway undertakings, Infrastructure managers, Railway associations and Federations: The new concept proposed in the project will be presented to all stakeholders in the railway sector. These include presenting the strong points and main results of the project and highlighting the advantages that MVDC electrification can bring in the current context of using renewable energies.

Railway Traction Power Supply industry: The studies carried out in WP2, WP3 and WP4 will allow to define a new range of power converters intended for supplying electrified railway infrastructure in MVDC. Project partners will communicate on the expected specifications, in particular in terms of functionality and power level.

Electricity Transmission System Operators: Until now, railway lines have been viewed by power TSOs as consumers. The project proposes a new vision for the management of electrical energy on railway infrastructure. Railway lines electrified in MVDC can serve as an energy hub for renewable energies and offer to TSOs new services such as voltage and frequency support. Therefore, WP2 results will be disseminated widely to railway operators.

Research institutions and laboratories: The activities of WP2 to WP4 are carried out in research laboratories in the field of electrical engineering and more particularly in power electronics. The results

obtained will cover both a system approach with the development of digital models as well as experimental approach with the implementation of power converter tests and a final demonstrator. These results have to be widely disseminated to the community of researchers in electrical engineering.

7.2 Advisory board

FUNDRES partners will establish an Advisory Board (AB) in the first months of the project. This board will include partners of IN2STEMPO members of IP3 and a representative from the EU Agency for Railways (ERA). These experts will provide quality control, advice, and validation of the vision, which will contribute to the global impact and outreach of the project.

The AB will communicate with the STC throughout the project lifetime and will use their networks to disseminate and exploit the project results, at the European and International level.

The AB representatives will be invited to attend all FUNDRES consortium and AB meetings, as well as FUNDRES final event, along with consortium members. FUNDRES partners will take into account the recommendations of the advisory group. Several structures and control strategies of the various AC/DC and DC/DC converters with or without galvanic insulation will be set up and validated by the AB.

7.3 Participation in international conferences and forum

Apart from the final conference, some other conferences and public events will be targeted where FUNDRES can be presented and communicated to a wide audience. FUNDRES will be presented during high-level EU events such as:

- IEEE Electrification Transportation Conference “ESARS-ITEC” (01-03/12/2020 Venice, Italy);
- International Trade Fair for Transportation Technology “InnoTrans”;
- World Congress on Railway Research “WCRR”;
- Transport Research Arena “TRA”;
- Special sessions on major IEEE conferences: PCIM, ECCE, APEC, IECON, etc;
- European Center for Power Electronics “ECPE” seminar/workshop with major railway players in Europe and European Railway Engineer Associations (Union European Railway Engineering Associations “UEEIV”, College of Italian Railway Engineers “CIFI”, etc...);
- Specialised PhD Courses on the railway electrical systems;
- On events related to relevant research programmes organised by local authorities and by the EC and to facilitate the publication of results and conclusions in the academic community.

All partners will be active in the promotion and dissemination, by joining these and other major events and conferences and presenting objectives, results and achievements of the project.

During the first year of the project, most of the planned physical events have been cancelled due to the Covid-19 situation. A new chapter (7.6) has been added to this document to present an alternative strategy of virtual dissemination.

7.4 Publications/articles

In order to maximise impact during and beyond project duration, the partners of FUNDRES will produce scientific publications and contribute to a reference publication on relevant topics concerning the competitiveness of the European transport manufacturing industries e.g. in the Springer Lecture Notes of Mobility book series.

Project results are also planned to be published through articles in specialised press and scientific journals, such as:

- IET Journal on Electrical Systems in Transportation,
- IEEE Transactions on Transportation Electrification,
- Railway Gazette,
- IRJ,
- European Rail Technology Review, “RTR”,
- European Railway Review,
- Journal of Rail and Rapid Transit “JRRT”,
- Revue Générale des Chemins de Fer “RGCF”,
- Eisenbahn Technische Rundschau “ETR”,
- Ingegneria Ferroviaria,
- Rail Technology Magazine, etc.

Regular information shall be published through the usual channels of the different associations involved in the project, such as:

- Shift2Rail channels using the S2R tool: [S2R Projects Communication Planning Goggles Sheet](#);
- UIC e-News (an article will be published in the weekly UIC electronic letter for each FUNDRES event, like Kick-off and final event), as well as for any important result achieved by the project partners. The UIC e-News is sent to more than 4000 addresses in the railway community all around the world. These articles will also be made available on the project website;
- And all partners’ existing communication and dissemination channels of the partners involved in FUNDRES. These include (electronic) newsletters, websites of the project partners and partner related communication or working events.

The project partners will publish at least 10 news articles on different channels over the lifetime of the project.

Furthermore, academic partners will ensure that technical outputs are widely disseminated in journals and peer reviewed literature.

The time delay required to publish in conferences and scientific journals is important because of the peer review process. For conferences, papers have to be submitted 5 to 6 months in advance. The publication process in a journal is even longer and reaches 10 to 12 months. It is during the meetings of the steering committee, every six months, that the projects of publications, in conference or in journal, will be discussed. As a result, first publications are rather to be considered for the end of 2020 or at the beginning of 2021. The final results of the research works will only be published in the course of 2022.

Project partners will publish at least 2 peer-reviewed articles to report on the outcomes of the project.

7.5 Organisation of a final event

The FUNDRES final event will be organised around month 24. To ensure maximum participation, invitations will be sent to the key actors in the field, such as European Power electronics manufacturers, railway infrastructure managers and power grid operators. The event location will also be chosen carefully.

This final event will provide a platform to discuss the achieved results of the project. Solutions for the identified problems and challenges will be presented based on the FUNDRES project results and the harmonisation of needs, requirements and demands facing the Shift2Rail expectations will be discussed. The technologies developed and enhanced by FUNDRES along with the results of the validation will be presented during a demonstration event that will be held during the final event.

If the Covid-19 situation is not solved in November 2021, the final event will be organised online.

7.6 Strategy to adapt to the Covid 19 situation and virtual environment

Concerning the attendance to events, the initial plan was to attend at least 8 events over the project life. In the first three months of 2020, FUNDRES partners had planned to attend 4 conferences and public events where FUNDRES objectives could be presented and communicated to a wide audience. FUNDRES was to be presented during high-level EU events, i.e.:

- Rail Live 2020 (Madrid, Spain, 01-03 April 2020),
- TRA 2020 (Helsinki, Finland, 27-30 April 2020),
- TEN-T Days (Sibenik, Croatia, 13-15 May 2020),
- InnoTrans 2020 (Berlin, Germany, 22-25 September 2020)

Due to the Covid 19 situation, all these events have been successively cancelled.

The Shift2Rail Innovation days held virtually on 22-23 October 2020 gave FUNDRES a great opportunity to present its work and share experience with three other Shift2Rail IP3 projects, namely ASSETS4RAIL, IN2TRACK2, and IN2STEMPO in a parallel session called “Cost-efficient, sustainable and reliable high capacity infrastructure”.

The FUNDRES presentation made on that occasion can be downloaded on FUNDRES website at: <https://fundres-project.eu/wp-content/uploads/2020/10/S2R-Innovation-Days-FUNDRES.pdf>. Tweets and retweets have been made to announce the S2R Innovation Days, the parallel session in which FUNDRES was presented and to announce the link to the presentation.

As the Covid-19 situation will probably last at least until the summer, and as we are now entering in the second half of the project, it is now time to set-up a virtual dissemination strategy to ensure that the project outcomes are widely disseminated amongst the targeted audience. Below is a list actions we should envisage in 2021 to widely disseminate the results of FUNDRES on a virtual basis:

- Support in and contribute to the organisation of virtual events gathering Shift2Rail IP3 projects partners to disseminate the preliminary achievements and share experience. Social media would be widely used to invite the project target audience to these events;
- Prepare an animated presentation on project achievements that will be disseminated via twitter project partners, LinkedIn and the Shift2Rail JU

FUNDRES project partners will follow the announcement of railway virtual events and contact conference organisers to propose their participation in virtual events and conferences.

7.7 Project dissemination and promotion KPIs

Below is a table summarising the targets of dissemination measures in the initial plan and indicating the new target KPIs to achieve, as the number of dissemination events has had to be slightly adapted to face the Covid-19 situation.

Action	Initial KPIs	KPIs after mitigation
Project website visitors	500	500
Project website duration after project end	5 years	5 years
Social media	50 posts	50 posts
Participation in international conferences and forum	8	5 online or physical
Publication of news articles	6	10
Publication of peer-reviewed papers	2	2
Electronic newsletters	2	2
Number of Advisory Board meetings	4	4
Number of participants to the final conference	40	80 (if online)

FUNDRES Dissemination KPIs

8 Organisation of the work package

The leader of the Communication, dissemination and link with other projects of S2R work package (WP5) is UIC.

The Dissemination Manager is responsible for:

- Producing dissemination material;
- Organising the final conference;
- Keeping track and reporting back to the coordinator on the project dissemination activities;
- Ensuring proper use of public dissemination materials with respect to partners' IPR's;
- Ensuring consistency of project image and published contents;
- Making sure of optimum use of the project dissemination resources.

Partners are expected to contribute by:

- Identifying and informing the consortium about dissemination opportunities (e.g. events, publications, etc.);
- Promoting the project results in their own organisation with press releases and web pages;
- Submitting technical papers and presenting the project results at relevant external conferences according with the project quality plan;
- Ensuring liaison with appropriated standardisation bodies;
- Suggesting stakeholders to be invited to the related conferences to promote the project.

All dissemination actions undertaken for FUNDRES will be reported to the dissemination manager (UIC) using the excel tables specially prepared for this data collection (see excel tables for dissemination and communication activities and for publications in appendices).

9 Exploitation plan

9.1 Objectives

The exploitation strategy of FUNDRES will ensure that the impact of the project outcomes is maximised during the project implementation and especially after the completion of the project activities in collaboration with the advisory groups.

Project outputs have a maximum TRL of 4, thus far from commercial products. Future collaboration with academic or industrial partners could be initiated as part of the dissemination activities of task 5.2. Commercial potential of outcome could be assessed, such as digital models that could be a commercial output from the project when the deployment of 9kV would be effective. Participation of UIC will contribute to disseminate the ideas and concept of 9 kVDC network together with market sensing.

Accuracy of the economic evaluation will be quite difficult as it depends on equipment in each European country. However, the consortium will consider all steps to implement the concept in Europe and give some indication about the cost of investment based on existing studies.

A further area of exploitation concerns the valuable knowledge generated during the project. FUNDRES will create knowledge and data, in the project's research and development activities. This constitutes an opportunity for researchers who will continue to work on the topic, taking the project results further in the scientific domain. The exploitation intentions of FUNDRES partners are the following:

LAPLACE

To develop for Infrastructure manager the concept of SST which allows a migration from a conventional DC electrification (1.5 kV or 3 kV) to the new 9 kVDC system.

EPFL

To realise digital twin of a converter system and demonstration at pilot scale for the 9 kVDC power supply system to evaluate performances of the future system and assess interactions with 3-phase utility grids in ancillary service markets.

POLIMI

To bring expertise about the integration of renewable energy in the future unified electrical system for railway and how to manage the faults in case of degradation mode.

UIC

UIC is an international association dedicated to promote railways, facilitate all forms of international cooperation among members and relevant stakeholders, as well as disseminate best practices. UIC offers an experienced dissemination and communication team, with all necessary knowledge, network and media, to perform the dissemination activities in an effective way. UIC has no commercial purposes. However, it will encourage the use of the solutions developed within the project by its members (railway infrastructure managers and freight operators) through dissemination in the related forum and working groups.

FUNDRES is setting the foundations for developments that will be continued within Shift2Rail's IP3: "Cost-Efficient and Reliable High-Capacity Infrastructure". Therefore, the exploitation of the project's results will have to be ensured towards S2R IP3. The objectives for the exploitation of results will be to ensure:

- An efficient collaboration between FUNDRES and its complementary project, IN2STEMPO and more largely with all IP3 projects;
- A good transfer of results between FUNDRES and Shift2Rail;
- That FUNDRES results will be forwarded to the relevant regulation and standardisation bodies competent for the various transport sectors if needed.

9.2 Exploitation Measures

FUNDRES should directly feed TD3.9 through the project IN2STEMPO. To ensure the good transfer of results between FUNDRES and IN2STEMPO first, Shift2Rail generally speaking, the FUNDRES project will follow 2 steps, i.e.:

- Create an advisory board, in which members from IN2STEMPO (WP leaders and TD3.9 leader) participate together with external experts. The advisory board will be the place where both meetings will meet. On the one hand FUNDRES will present the latest progress and outcomes, and on the other hand, IN2STEMPO will provide latest request, give advice and recommendations if necessary, so that the project addresses TD3.9 the right way.
- Ensure a smooth transfer of FUNDRES results to the corresponding CFM project IN2STEMPO, as well as with any other future Shift2Rail IP3 CFM project: this step will be performed by inviting scientific experts from IN2STEMPO to technical meetings as necessary. Confidentiality and exploitation issues are ruled by the Collaborative Agreement (COLA) signed by both projects.

In addition, regular interaction with the S2R JU, through the IP3 Steering Committees, are performed. FUNDRES project progress and outcomes are presented on a 2 months basis. IP3 Steering Committee is the place where possible issues can be resolved between all the project coordinators, and potential exploitation issues could be raised, including further research needed.

All this exchange of information will enable the FUNDRES project to provide feedback to the relevant stakeholders in Shift2Rail, but also to collect suggestions that could be relevant for the on-going activities of the project.

10 Conclusions

This document provides plans in the areas of dissemination and exploitation. It presents a comprehensive dissemination strategy for the FUNDRES project and describes the materials and strategies that have and will be used for external communication, along with the engagement and uptake of the results by relevant stakeholders.

A series of dissemination events have been planned, but it is anticipated that more dissemination opportunities will arise as the project progresses. Therefore, the FUNDRES consortium will use this plan as an initial strategy which will be further updated and reviewed on a regular basis. Dissemination activities will be discussed at WP level and will be coordinated generally via WP5.

Routes to exploitation have been identified and the specific cooperation with the Shift2Rail Joint Undertaking and the relevant IP3 CFM projects will be a key activity to ensure both success of FUNDRES and Shift2Rail.

11 Annexes

DISSEMINATION & COMMUNICATION

As of 31 December 2020



Categories	Date	Location	Name of action / Short description	Link
Article	03/12/2020	FUNDRES website	Article in the project website: "FUNDRES kick-off meeting held on 28 November 2019 at SNCF RESEAU premises in Saint-Denis, France"	https://fundres-project.eu/2019/12/03/fundres-kick-off-meeting/
Press release	13/12/2019	UIC eNews #671	Article in the UIC Enews: "FUNDRES kick-off meeting held on 28 November 2019 at SNCF RESEAU premises in Saint-Denis, France"	https://uic.org/com/enews/671/article/fundres-kick-off-meeting-held-on-28-november-2019-at-sncf-reseau-premises-in?var_recherche=FUNDRES
Press release	19/12/2019	EPFL website	Presentation of the project	https://actu.epfl.ch/news/future-unified-dc-railway-electrification-system/
Press release	07/01/2020	LAPLACE website	Presentation of the project	http://www.laplace.univ-tlse.fr/FUNDRES
Press release	21/12/2019	POLIMI website	Presentation of the project	https://www.polimi.it/index.php?id=6414&L=1&id_progetto=312&L=1&sel_ruolo=Partner&sel_search_name=
Website	04/01/2020	FUNDRES website	Launch and running of FUNDRES website	https://fundres-project.eu/
Press release		UIC website	Presentation of the project	https://uic.org/projects/article/fundres#Project-description
Flyer	July 2020	FUNDRES flyer	Preparation of FUNDRES flyer and upload on FUNDRES website	https://fundres-project.eu/wp-content/uploads/2020/09/FUNDRES_flyer_Final.pdf
Presentation	September 2020	FUNDRES presentation	Preparation of FUNDRES presentation and upload on FUNDRES website	https://fundres-project.eu/wp-content/uploads/2020/10/S2R-Innovation-Days-FUNDRES.pdf
Social media	Period 1	Twitter	several tweets to announce project documents and events	(#FUNDRES)
Participation to a Conference	23/10/2020	Shift2Rail Innovation days-22+23/10/2020, online	Online presentation of the project in a parallel session entitled " "Cost-efficient, sustainable and reliable high capacity infrastructure"	https://shift2rail.org/wp-content/uploads/2020/10/S2R-Inno-Days-Programme_21_10_20.pdf
Article	15/11/2020	FUNDRES website	News on the presentation of FUNDRES at the S2R Innovation Days	https://fundres-project.eu/2020/11/15/presentation-of-fundres-at-the-shift2rail-innovation-days-on-23-october-2020/
Social media	Period 1 (from M1 to 12)	Twitter	several tweets to announce project documents and events	(#FUNDRES)
Organisation of a workshop	11/12/2020	Online	Organisation of the 1st FUNDRES Advisory Board	