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Dissemination and Communication Plan

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Dissemination Level:

Public	X
Restricted to other programme participants (including the Commission Services)	
Restricted to bodies determined by the MIGRATE project	
Confidential to MIGRATE project and Commission Services	

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1 Abstract

By 2020, several areas of the HVAC pan-European transmission system will be operated with extremely high penetrations of Power Electronics(PE)-interfaced generators, thus becoming the only generating units for some periods of the day or of the year – due to renewable (wind, solar) electricity. This will result in i) growing dynamic stability issues for the power system (possibly a new major barrier against future renewable penetration), ii) the necessity to upgrade existing protection schemes and iii) measures to mitigate the resulting degradation of power quality due to harmonics propagation. European TSOs from Estonia, Finland, France, Germany, Iceland, Ireland, Italy, Netherlands, Slovenia, Spain and UK have joined to address such challenges with manufacturers (GE and Schneider Electric) and universities/research centres. They propose innovative solutions to progressively adjust the HVAC system operations. Firstly, a replicable methodology is developed for appraising the distance of any EU 28 control zone to instability due to PE proliferation and for monitoring it in real time, along with a portfolio of incremental improvements of existing technologies (the tuning of controllers, a pilot test of wide-area control techniques and the upgrading of protection devices with impacts on the present grid codes). Next, innovative power system control laws are designed to cope with the lack of synchronous machines. Numerical simulations and laboratory tests deliver promising control solutions together with recommendations for new PE grid connection rules and the development of a novel protection technology and mitigation of the foreseen power quality disturbances. Technology and economic impacts of such innovations are quantified together with barriers to be overcome in order to recommend future deployment scenarios. Dissemination activities support the deployment schemes of the project outputs based on knowledge sharing among targeted stakeholders at EC level.

2 Abbreviations

AB	Advisory Board
ACER	Agency for Cooperation of Energy Regulators
EC	European Commission
EDSO	European Distribution System Operators
ENTSO-E	European Network of Transmission System Operators for Electricity
EU	European Union
HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
MIGRATE	Massive Integration of Power Electronic Devices
KPI	Key Performance Indicator
RDC	Research and Development Committee
PE	Power Electronic
RG	Reference Group
R&D	Research and Development
R&I	Research and Innovation
TSO	Transmission system Operator
T&D	Transmission and Distribution
WP	Work Package

3 Introduction

The main goal of the Dissemination and Communication Plan is to raise the awareness of the project activities in order to make MIGRATE a successful project with a huge charisma. Therefore an own Work Package has been implemented in order to ensure the handling of public and confidential results. This will be carried out by using different communication channels and materials and in addition by doing workshops with stakeholders or by visiting conferences.

3.1 Purpose of the Dissemination and Communication Plan

This document describes the Dissemination and Communication Plan of MIGRATE – a R&I project funded by Horizon2020 – the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020).

The purpose of this document is to determine all planned communication and dissemination actions during the project lifetime, to ensure an access for all interested stakeholders to public reports and to announce potential events where the project will be represented. Furthermore KPIs are defined in order to measure the effectiveness of the dissemination tools.

3.2 Document Maintenance

This document will be reviewed and updated as needed, as the project proceeds. This document contains a revision history log. When changes occur, the document's revision history log will reflect an updated version number, the date of the new version, the author making the change, and a summary of the changes.

4 Communication and Dissemination Strategy

4.1 Communication and Dissemination objectives set up by the MIGRATE project

Following essential objectives of the project are identified:

- to communicate and disseminate the knowledge, which is not confidential, produced by the project
- to keep the contact at EC level and all relevant stakeholders
- to create a new communication platform or to expand already existing platforms at EC level and between all European Transmission System Operators
- to exploit the results of the project after its lifetime
- to furnish recommendations for future developments

4.2 Communication and Dissemination target audience

The results shall reach for following main target audience:

- European Transmission System Operators
- Manufactures
- Regulating Authorities

The table below connected the different dissemination objectives with the target audiences.

N°	Dissemination Objectives	Targeted audiences
<i>Package the complex knowledge gained through the research and pilot tests</i>		
1	Deliver the new knowledge gained in the project in a packaged way suited to meet the multi stakeholder expectations: <ul style="list-style-type: none"> • A dedicated Advisory Group is built under the management of TENNET to challenge the project findings each year, with a special focus on power manufacturers • A Reference Group of TSOs is built based on willing TSOs to shape the project findings in view of their take-up by ENTSO-E members 	<ul style="list-style-type: none"> • TSOs • Power manufacturers¹ • Renewable electricity generators • Large electricity consumers • Policy makers • ACER and national regulatory agencies • Research community
<i>Motivate for a focused evolution of Grid codes</i>		
2.A	Convince transmission system operators to propose improvements of the present day version of the Grid Codes to account for the proliferation of PE devices	<ul style="list-style-type: none"> • TSOs • ACER • Link with on-going or EC funded selected projects

¹ Including small inverters manufacturers

2.B	Convince transmission operators to get prepared for situations where synchronous machines are no longer in operations (new connection rules for PE devices, new power system control laws)	<ul style="list-style-type: none"> • TSOs • ACER
2.C	Help system operators to explain to electricity retailers and large consumers the modified connection rules of PE devices	<ul style="list-style-type: none"> • Electricity retailers via EURELECTRIC • Large electricity consumers • Link with on-going or EC selected projects which aims at expanding the use of PE devices
<i>Prepare the result exploitation</i>		
3	Prepare progressive deployment roadmaps for any of the results gained in the project	<ul style="list-style-type: none"> • The grant agreement beneficiaries • Future exploitation partners

4.2.1 Targeted audiences within the project’s own community

The main targeted audiences within the project’s own community are TSOs, generators connecting to transmission networks through PE devices, large electricity consumers also connected to transmission networks via PE devices, and regulatory agencies. For regulatory bodies, the following dissemination actions are planned:

- Awareness raising through yearly workshops with ACER which describe the work progress and show the links with both grid code improvements and power system control
- Partners will promote results to policy makers and regulators in their own member states
- A conference will be organised at the end of the project by TENNET in Brussels to bring the results directly to the attention of policy makers at EU level.

4.2.2 Targeted audiences beyond the project’s own community

For the professional target audience, the following choices have been made to design dedicated workshops:

- Associations of power technology manufacturers (like T&D Europe) dealing with inverters and controllers to clarify the potential of PE in transmission systems and the future connection rules to transmission systems in EU28
- Network of power technology manufacturers dealing with protection systems
- Network of research providers (like EERA)
 - To reinforce R&D activities on dynamic simulations of complex power systems and power technology data exchange to model properly system behaviors when implementing a large amount of PE in transmission networks.

To reinforce Hardware in the Loop simulations to understand complex system dynamics at relevant, yet affordable experimental scales.

4.3 Responsibilities

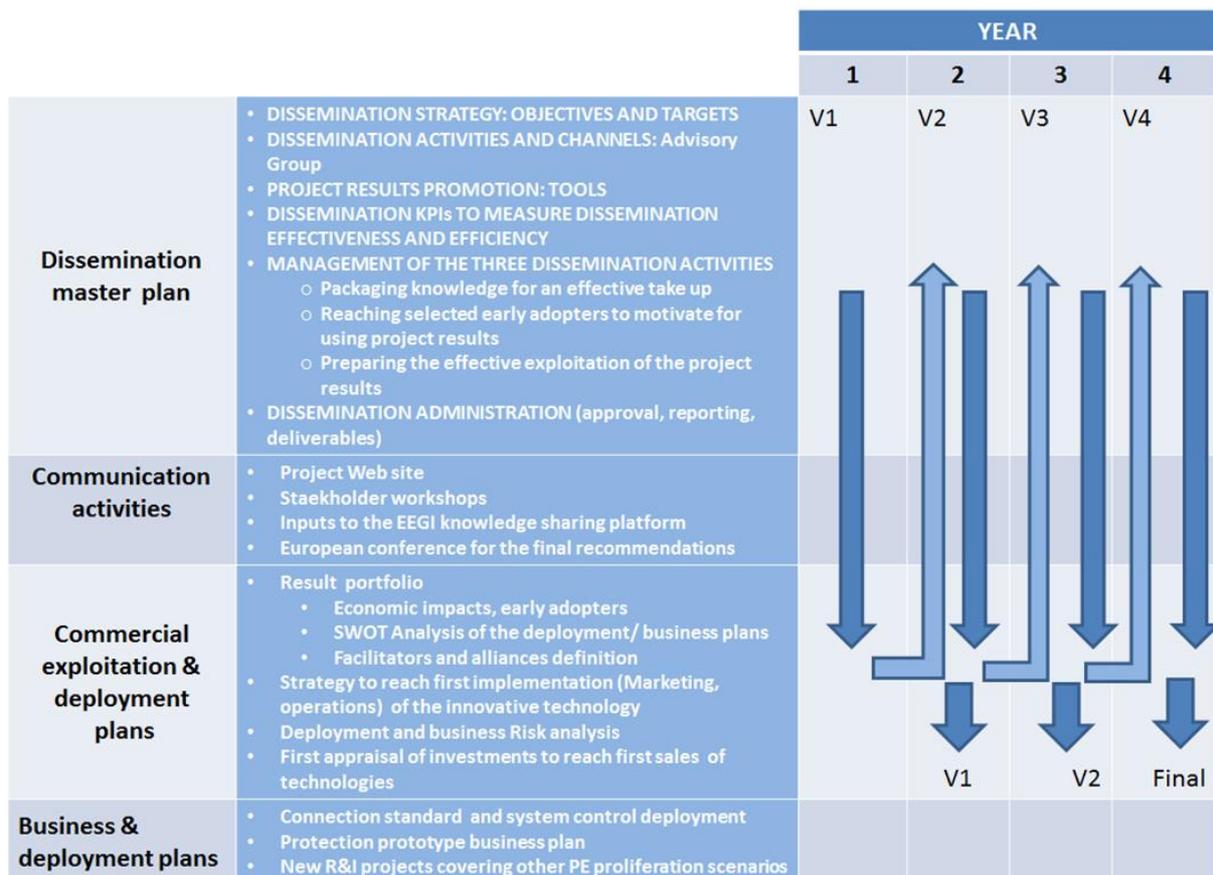
TenneT, as project coordinator, is and will be responsible for the project communication and dissemination. Within TenneT following departments are involved in WP7:

- Asset Management Offshore | HVDC Systems and Controls
- Corporate Communication

Moreover, all project partners especially the Work Package Leaders will contribute to the implementation of all relative activities.

4.4 Strategic link between dissemination & communication and exploitation

The following figure shows the interfaces and continuous project development between WP7 – Dissemination & Communication – and WP6 - Exploitation of the project results. At first the envelopment of the dissemination and communication plan is the essential aim with the project start. This plan will be upgraded yearly by implementing the result portfolio as well as risk analysis.



4.5 Dissemination activities, channels and promotion tools

4.5.1 Advisory Board

The General Assembly will select seven experts to become members of the AB in order to be consulted upon the demand of the EB at least four times during the project, two times being physical meetings in a location decided by the EB. The AB is in charge of answering questions prepared by the EB upon request of any consortium member, in view of minimising either the project risks or the future result exploitation risks. Answers of the AB are supposed to propose options in view of minimizing such risks, the final choice being the responsibility of the EB or the GA.

Six experts have already provided letters of interest to participate in the AB:

- Prof. Christian Rehtanz (Technical University of Dortmund, Germany)
- Prof. Jian Sun (Rensselaer Polytechnic Institute, New-York, USA)
- Prof. Mattias Luther (University of Erlangen-Nürnberg, Germany)
- Ben Kroposki (NREL, Denver, USA)
- Nicolas Miller (GE Energy Management, USA).
- Robin Manning (EPRI, USA)

4.5.2 Reference Group

The RG is composed of voluntary TSOs which apply to belong to it, being members of ENTSO-E. The role for the RG in the Project is to provide feedback, opinions, support and further exploitation prospects of the project results.

TSO members of the RG will therefore:

- be invited to regular workshops to follow up and provide feedback to the project's intermediate results and findings,
- be called upon to review the project's milestones.

TSO candidates as members of ENTSO-E may join the RG by contacting the Coordinator at any time during the Project.

4.5.3 Website

The project website is the main communication tool for the project, where all the dissemination materials will be timely published. A prompt and continuous flow/exchange of information between the participants of the project and key players and target groups is one of the most important conditions for the functioning of the network with its several national and international components. It will be an interactive environment that will give access to aspects related to the technology development, modelling, the status of the pilots and overall the final results. It will feature the following functionalities:

- link to technical social media in order to be attractive to the power industry and academia involved in network instabilities coming from PE proliferation
- overview of the concept, objectives, the partnership and the activities proposed within the project
- news and information service on both MIGRATE activities and resource efficiency for manufacturing value chains in general, including advice for energy certifications (according to European Eco-design provisions)
- access to a secured (consortium members only) collaborative space for sharing information and documents

The project website will be updated permanently and will exist under the domain name: www.h2020-migrate.eu and will remain at least 5 years after the end of the project.

4.5.4 Newsletter

Another essential tool to keep in touch with the stakeholders is the implementation of a project newsletter. This service becomes a part of the project website and will inform all interested stakeholders during the project lifetime quarterly. In Addition, press releases will distribute sporadically via the newsletter as well.

The newsletter submission service is implemented on the project website and will be promoted with the project start via different channels:

- ENTSO-E newsletter
- project beneficiaries newsletter opportunities
- announcement via other stakeholders like EDSO or EURELECTRIC
- Interface to the BRIDGE homepage and newsletter
- the project brochure and rollups

4.5.5 Dissemination material

The material will be developed first in English. A visual identity will be developed for the project comprising a logo (see below) and style in different formats, in line with the H2020 visual guidelines. Once the visual identity will be ready, the following tools can be produced:

- A leaflet showing the basic features of EU-SMAG: objectives, expected results, partnership, pilots, etc.
- A standard presentation as well various word templates for EU and local project communication gathering key messages and one page project description for use by all
- A set of roll-up stands and posters to support project communication visually at events. It is an effective way to display the project's visual identity while making sure that the audience clearly knows who the organizer is/which project is behind the event.

Communicating about the complexity and issues in value chains, will require promotional materials targeting the stakeholders including the general public. One channel is the Knowledge Sharing platform dedicated to European innovation on smart grids (<http://www.gridinnovation-on-line.eu/>)

MIGRATE

The logo is designed as a word-picture-brand and shows two different sine curves in reference to the 50 Hertz grid frequency.

A short design guideline for using all communication and dissemination tools will be developed and delivered to the whole consortium. It is a document which gives details and rules of use about the different elements of the visual identity of the project. For example, it explains what the main colours to be used on all communication tools are, as well as the font for all written text. Other elements of the charter can be to set up the size and quality of the pictures and videos, or some background elements (a shape of some sort, which would be declined/adapted on the various supports). However, the design guideline should not be too detailed either, so that the consortium can keep some flexibility for future communication tools.

4.5.6 Publications and journalistic articles

Regarding communication to the general public, journalistic articles will be actively promoted on the consumers' area of the website and social media (with all its interactive material), as well as through other dissemination channels such as magazines. The table below shows the already public articles.

Journal	Edition	Date	Title	Description	Language
Themen Magazin	1 2016	February 2016	Wieviel Leistungselektronik verträgt das Netz?	Interview with Dr. urban Keussen about the MIGRATE project kick-off	German
ew aktuell		18. Feb 2016	Anforderungen an Europas Stromnetz	Article about the MIGRATE	German

				project	
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4.5.7 Events and conferences

Dissemination events are arranged at European level to involve TSOs, generators and large consumers in order to spread new knowledge about system transients when PE proliferates. Fully in line with the segmentation of the target audiences, a number of dissemination actions have been designed, using the communication material described above.

Following events have been dedicated in 2016 in order to promote the MIGRATE project:

When	Event	Where	Kind of Promotion
22-23 March (new date 27-28 June 2016)	InnoGrid2020+ Conferences	Brussels, Belgium	Presentation
27 April	HANNOVER MESSE	Hannover, Germany Hall 27	Presentation within the forum "Integrated Energy" organised by dena
21 July	PESGM2016	Boston, USA	Presentation

4.5.8 Press Releases

During the project all beneficiaries will use their own communication portals and tool in order to point out interesting public project results and to announce upcoming events where the MIGRATE project will be represented. TenneT has used its own channels as well the ENTSO-E Newsletter channel in order to announce the project kick-off of MIGRATE in January 2016:

<https://www.entsoe.eu/news-events/announcements/announcements-archive/Pages/News/migrate-international-project-investigates-requirements-for-europes-future-electricity-grid.aspx>

[http://www.tennet.eu/de/index.php?id=52&tx_ttnews\[tt_news\]=740&L=2](http://www.tennet.eu/de/index.php?id=52&tx_ttnews[tt_news]=740&L=2)

5 Management of the dissemination and communication activities:

5.1 Internal dissemination and communication management

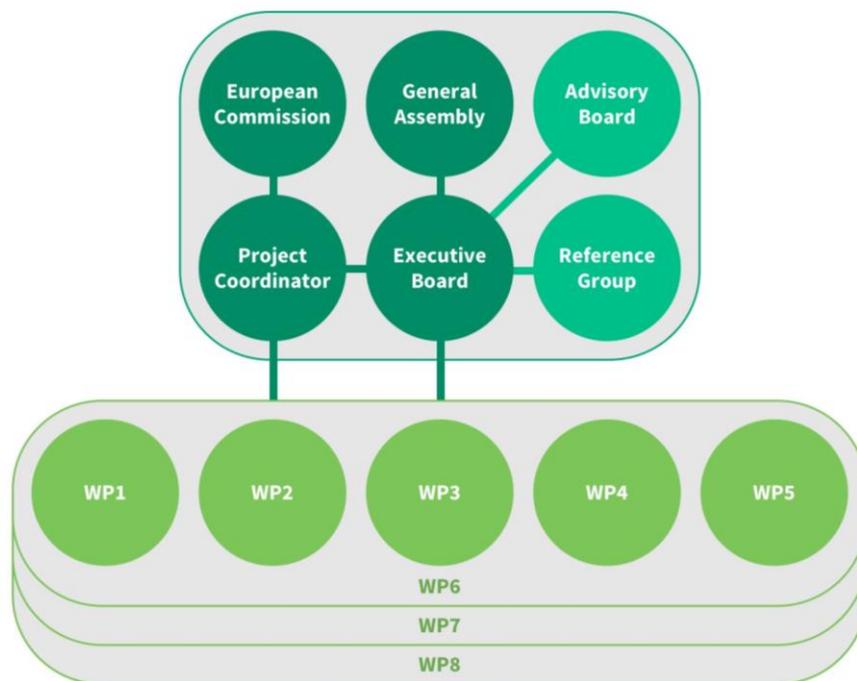
All involved project participants will be updated permanently about the project reports. This will be ensured by implementing an internal, access-based SharePoint system at the project website. The aim is that all MIGRATE participants have the same knowledge level throughout the project. This is absolutely necessary in order to manifest the interfaces and connections between the different, technical work packages 1 to 5. Hence, it is an advantage that TenneT is coordinating work package 7 and 8 – Coordination and Management, as well.

5.2 External dissemination and communication management

Following key aspects have been dedicated in order to reach all external stakeholders:

- packaging knowledge for an effective take up of the results,
- reaching selected early adopters amongst other TSOs and electricity aggregators,
- preparing the effective exploitation of the project results.

Therefore, it is important that the Reference Group and the experts from the Advisory Board are very close connected to the Executive Board of the MIGRATE project (see figure below). These people will on the one hand improve the project results and on the other hand give new approaches if the delivered research will be applicable in future.



6 Dissemination administration

6.1 Project deliverables

The following table shows all project deliverables and the green lines denote all public reports, all other reports will be confidential. Based on the table all necessary communication and dissemination activities mentioned above will be implemented in order to ensure that all stakeholders are informed.

Deliverable n°	Deliverable name	WP n°	Lead participant	Type	Dissemination level	Delivery date
D1.1	Report on systemic issues	1	TenneT	R	PU	M12
D1.2	Power system analysis approaches and KPIs	1	TU Delft	R	CO	M24
D1.3	Models for mixed loads	1	SPEN	R	CO	M32
D1.4	Tools for monitoring and forecasting PE penetration	1	SPEN	R	CO	M26
D1.5	Power system risk analysis and mitigation measures	1	TU Delft	R	CO	M46
D1.6	Recommendations for connection code implementation	1	TenneT	R	PU	M48
D2.1	Requirements for monitoring and forecasting PE-based KPIs	2	SPEN	R	PU	M25
D2.2	Solutions to monitor in real-time and forecast KPIs enabling TSOs to assess the impact of PE-penetration	2	SPEN	R	CO	M18
D2.3	Lessons learned from the pilot testing of monitoring and forecasting KPIs enabling TSOs to assess	2	SPEN	R	PU	M34

	the impact of PE-penetration					
D2.4	Wide area control to mitigate the consequences of dynamic issues in low inertia systems	2	Landsnet	R	CO	M34
D2.5	Recommendations for the future evolution of the synchronized measurement technology and deployment in Europe	2	SPEN	R	PU	M36
D3.1	Description of system needs and test cases	3	RTE	R	PU	M6
D3.2	Description of the new controller structure and possible associated hardware modifications	3	ENSAM	R	CO	M36
D3.3	New options for existing system services and needs for new system services	3	ETHZ	R	PU	M36
D3.4	New options in system operations	3	UCD	R	CO	M36
D3.5	Report of experimental validation based on tests cases	3	ENSAM	R	CO	M48
D3.6	Requirement guidelines for generating units that enable to operate a grid without synchronous machines	3	RTE	R	PU	M48
D4.1	Grid and PE models validated for protection studies to perform HiL tests with RTDS	4	TU Delft	R	CO	M12
D4.2	Limitations of present power system AC protection schemes and SIPS technology to	4	CIRCE	R	CO	M21

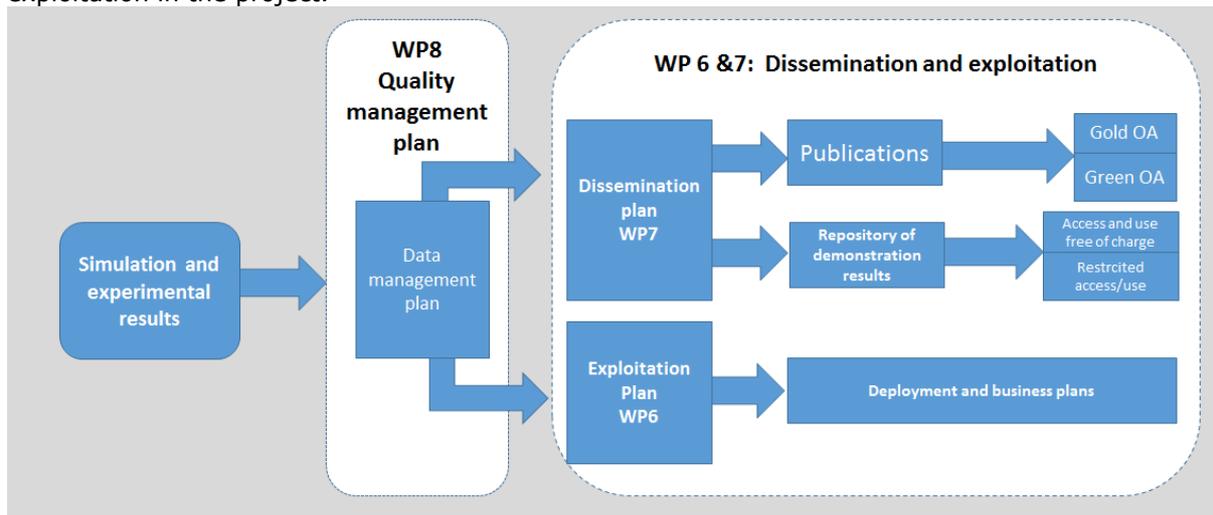
	properly operate in systems with high penetration of PE during faults in DC and AC systems					
D4.3	New developments, technologies and solutions proposed to overcome identified constraints: short-circuit protections and SIPS	4	UNIMAN	R	CO	M34
D4.4	Analysis of the behaviour of the new protection concepts in a HiL facility with real protection equipment	4	Schneider	R	CO	M46
D4.5	Power system design for a secure system with high PE penetration	4	REE	R	CO	M48
D5.1	Critical PQ phenomena and sources of PQ disturbances in PE rich power systems	5	TUT	R	PU	M12
D5.2	Simulation models for power-quality studies in power-electronics rich power networks	5	UL		PU	M18
D5.3	Propagation of PQ disturbances through the power networks	5	UNIMAN	R	PU	M24
D5.4	Influence of PQ disturbances on operation of PE rich power networks	5	UL	R	PU	M36
D5.5	Mitigation of power-quality disturbances and provision of differentiated PQ	5	TU Berlin	R	PU	M48
D6.1	First version of the exploitation plan of results supported by free market player	6	Amprion	R	CO	M24

D6.2	Second version of the exploitation plan of results supported by free market players	6	Amprion	R	CO	M36
D6.3	Impact analysis of the performed laboratory and pilot tests	6	Amprion	R	CO	M42
D6.4	Barriers to scaling up and replication of the most promising field tests results	6	Amprion	R	CO	M48
D6.5	Recommendations for a deployment roadmap of grid connection rules and novel power system control laws	6	Amprion	R	PU	M48
D6.6	Final version of the exploitation plan of results supported by free market players	6	Amprion	R	CO	M48
D7.1	Communication master plan	7	TenneT	R	PU	M3, 18, 30
D7.2	Project web site, logo, Brochure, rollup	7	TenneT	DEC	PU	M3
D7.3	Proceedings of workshops with stakeholders	7	TenneT	R	PU	M14, 26, 38
D7.4	Accessible Data repository	7	TenneT	R	CO	M12
D7.5	Final project conference proceedings to disclose the consortium conclusions and recommendations	7	TenneT	R	PU	M48
D8.1	Quality management plan	8	TenneT	R	CO	M3
D8.2	1st periodic report on the progress of work and use of resources	8	TenneT	R	CO	M18
D8.3	1st periodic report on the progress of work	8	TenneT	R	CO	M36

	and use of resources					
D8.4	1st periodic report on the progress of work and use of resources	8	TenneT	R	CO	M48
D8.5	Final report on the progress of work and use of resources	8	TenneT	R	CO	M48

6.2 Strategy for knowledge management and protection

According to the Open access guidelines to Scientific Publications and Research Data for projects funded or co-funded under Horizon 2020, Europe 2020 strategy underlines the central role of knowledge and innovation in generation growth. For these reasons, the European Union strives to improve access to scientific information and to boost the benefits of public investment in the research funded under the EU Framework Program Horizon 2020. The figure below shows the Open Access to scientific publication and demonstration data in the wider context of dissemination and exploitation in the project.



The Data Management Plan (included in WP8) will pinpoint the main data uses and users and explore the restrictions related to IPR according to the Consortium Agreement. The information available for different stakeholders is managed and stored in a Content Management System (CMS) taking advantage of existing information management open sources that could be adaptable to project data dissemination needs. That system offers different levels of accessibility depending on the degree of confidentiality of the information. It will include both, Publications and Repository of other demonstration data. Open access to such data refers to the right to access and re-use digital research data under the terms and conditions set out in the Grant Agreement. Openly accessible demonstration data (see above) can typically be accessed, mined, exploited, reproduced, and disseminated free of charge for the user.

- Open accesses to scientific publications have two main routes: Self archiving (“green access”) and open access publishing (“gold access”).
- Open accesses to demonstration results have three main routes: accessible to anyone (“green access”), accessible to consortium players only (“blue access”), proprietary (“red access” for the single player having produced it, for example, because of regulatory reasons (regulated players), IPR management issues (patent under examination) or, because of proprietary business value (costs and profits in business models/plans).
- Internal knowledge management will be facilitated through a web-based secure professional collaborative space for information and document sharing. Each partner will have a section where she/he can upload key documents and papers.

IPR protection activities are managed under WP8. The overall IPR strategy of the project is to ensure that partners are free to benefit from their complementariness and are able to fully exploit their market position, involving patent protection when duly justified. The following three areas of activity have been identified in order to ensure proper IP management which should maximize the impact and market relevance of the knowledge generated in the project,:

- a proper assessment of the pre-existing knowledge of the various project partners, their potential contribution to the foreground project IP, and potential overlap of IP, in view of shaping the IP strategy of the consortium has already been assessed based on the Consortium Agreement.
- The assessment report shall be used to draft an IP and exploitation agreement, as an integral part of the final exploitation plan, in line with the consortium agreement, and used as an input for the exploitation plans. The document will be upgraded along the project course to include new results unforeseen at the beginning of the demonstrations.
- The overall IPR strategy will yearly focus on the knowledge generated by the project, the IP rights, the patentability and optimal IPR protection options. Any disputes over IPRs should be settled according to the consortium agreement. Legal requirements for commercialization will also be explored, in particular through “freedom to operate” analysis(included in the business plans) as well as individual patent filing strategies and drafting of patent applications for the most promising project results.

Beneficiaries have defined the background needed for the purposes of the project development in the consortium agreement and, where appropriate, may agree to exclude some specific background.

The results will be the property of the beneficiary carrying out the work generating those results. Where several beneficiaries have jointly carried out work generating a given result (e.g. Framework, Services) and where their respective share of the work cannot be ascertained, they will have joint ownership of such foreground. They will establish an agreement regarding the allocation and terms of exercising the joint ownership in the final exploitation plan, including definition of the conditions (compensation to other joint owner(s), time plans etc.) for granting licenses to third parties. Conditions of the transfer of ownership of the own foreground to third parties will also be defined in the Consortium Agreement ensuring that the rights of the other project partners will not be affected by such transfer.

Access rights to foreground and background will be granted to the other beneficiaries, if it is needed to enable those beneficiaries to carry out their own work under the project and/or to use their own foreground provided that the beneficiary concerned is entitled to grant them. Such access rights shall be free of any administrative transfer costs and will be granted under fair and reasonable conditions or on a royalty-free basis unless otherwise agreed by all beneficiaries in a specific agreement. All access rights will be granted upon written request.

7 Dissemination KPIs

For ensuring that all initiated dissemination tools will be effective it is necessary to implement Key Performance Indicators (KPIs). These indicators act as a measurement tool for all dissemination activities within and around the MIGRATE project. The figure below shows which KPIs have been indicated for the project.



Brochure: 2500 brochures will be printed with the project kick-off and will be delivered to:

- all beneficiaries
- important stakeholders like ENTSO-E, ACER, EDSO
- European Commission

In addition the brochure will inform the stakeholders while about events where MIGRATE will be presented like InnoGrid2020+, HANNOVER MESSE or PSEGM in 2016.

The brochure will be updated and relaunched as a final report with the end of the project in 2019. Therefore 2000 final reports will be printed and distributed.

Website: The project website is the essential dissemination tool for MIGRATE. Hence, the project coordinator gets an update quarterly regarding the number of website traffic and downloads of all public reports disseminated during the project lifetime. This service is provided by Google Analytics.

Newsletter: The newsletter is a good measurement tool in order to count the interested stakeholders. Google Analytics is able to provide a detailed evaluation about the users which reflects in following questions:

- How many people have subscribed the MIGRATE newsletter?
- How many people have opened the newsletter?
- Where are the subscribers from?
- What kind of background have the subscribers?

Publications and Press Releases: The MIGRATE project aims to publish more than 20 publications and press releases about the project results in addition to the deliverables, announcements (i.e. when the website is online) and important milestones will be published, as well.

E-Mail: TenneT has established an own e-mail address for the project (migrate@tennet.eu). The email address will be connected with the contact formula on the project website and will be placed on all reports. Specific project inquiries will forward from the coordinator to the affected work package leaders. A statistic of all email inquiries will be provided yearly with the updated Dissemination and Communication Plan.

Events: During the events where MIGRATE will be presented it will be estimated how many listeners and contacts stay in touch with or are interested in the project. As far as it is able to get a list of attendees of these events this list shall apply as reference.

The identified dissemination key performance indicators are an essential tool for the project in order to ensure and to measure the information flow to the stakeholders. During the common years the updated Dissemination and Communication Plan will provide a list of all KPIs. This list will show on the one hand how effective the dissemination tools are and on the other hand how the dissemination can be more effective. This is a way to strive for new potential approaches in order to increase the attention to the MIGRATE project.

8 Conclusion

MIGRATE is a very specific research and innovation project in the framework of Horizon2020. That means it is one of just a handful projects which involves only TSOs. Hence, MIGRATE will get a high attention of the European Commission and the stakeholders, as well. For this reason the project has an own work package for dissemination and communication in order to ensure the project knowledge transfer to these parties.

The Dissemination and Communication Plan shows the EC and the project stakeholders:

- How the project will report
- How the project will handle results
- How stakeholders will be informed
- Where the project will be present while the next years
- How the project will measure and improve the dissemination tools

Finally for MIGRATE the website and the newsletter will be the essential promoting and dissemination tool. Downloads and information will be available on the website. Announcements will be promoted via the newsletter. Due to the very specific research and innovation scope of MIGRATE and especially because customers are not the target audience of the project it will assume that the stakeholder group will be small but on a high level. TSOs which are not involved within the project directly may be a part of the Reference Group. Otherwise MIGRATE is very close to the R&D roadmap of ENTSO-E and will inform the RDIC members concerning the actual project status and outcomes, as well. Moreover, the project will ensure the connections and interfaces to markets abroad.