Capacity with a pOsitive enviRonmEntal and societAL footprInt: portS in the future era

D.7.3: Final Communication Strategy and Plan

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List of Acronyms

Abbreviation / acronym	Description
CAB	COREALIS Advisory Board
CET	Central European Time
Dx.y	Deliverable number y belonging to WPx
EC	European Commission
EU	European Union
KPI	Key Performance Indicators
LLs	Living Labs
Mx	Month –It refers to the month number x, when a respective activity takes place
PB	Project Board
PoF	Port of the Future Network
PoFSG	Port of The Future Serious Game
PU	Public
R&D	Research and Development
R&I	Research and Innovation
RIA	Research and Innovation Action
SME	Small Medium Enterprise
Tx.y	Task number y belonging to WPx
WPx	Work Package number x

Executive Summary

Communication and dissemination processes are essential to assure the success of a project as ambitious and visionary as COREALIS. Funded under the European Union's Horizon2020 Framework Programme, the aim of COREALIS is to develop a strategic, innovative framework, supported by disruptive technologies, including Internet of Things (IoT), data analytics, next generation traffic management and emerging 5G networks, for cargo ports to handle upcoming and future capacity, traffic, efficiency and environmental challenges. Within this framework, the proposed beyond state-of-the-art innovations, target to increase efficiency and optimise land use, while being financially viable, respecting circular economy principles, and being of service to the urban environment.

The current document provides the final communication strategy and plan, mainly focused on summarising the activities performed and conducted during the project course. The present document is connected to Task 7.1: COREALIS brand identity and Communication Strategy within Work Package WP7: Dissemination Strategy and Stakeholder engagement. The present document is considered as an update of the D7.2: Interim Communication Strategy and Plan, submitted on M18, and it contains also updates in reference to the Final set of COREALIS Communication tools (D7.5).

COREALIS communication and dissemination are considered as strategically planned processes, which commenced at the outset of the project and remain active throughout its entire lifetime. Its ultimate aim is to achieve the promotion of the project and its results, towards using strategic and targeted measures for communicating successfully the outcomes to a multitude of audiences and engaging them in a two-way exchange.

1. Introduction

The current deliverable, entitled *D7.3: Final Communication Strategy and Plan*, results from COREALIS Task 7.1: COREALIS Brand Identity and Communication strategy. More specifically, D7.3 is considered as an updated referenced document for all the activities implemented within WP7 of COREALIS project until the end of the project.

COREALIS's Final Communication Strategy and Plan, provides information about how COREALIS results and outcomes have been disseminated and communicated to any interested target audiences. As a matter of fact, it also provides an overview of the communication activities and the strategy followed for reaching the target key performance indicators (KPIs) set in COREALIS project. D7.3 contains all the important information about COREALIS performed activities (training seminars, workshops, external events etc.) during the project course.

The information included in this deliverable will indicate that COREALIS communication objectives have been fulfilled, the desired outreach and project visibility to relevant audiences have been achieved by COREALIS consortium, and that COREALIS achievements in the industrial, SME and academic domain have been efficiently disseminated.

1.1 Purpose and scope of the document

The purpose of this Final Communication Strategy and Plan is to ensure that the methodology and processes developed within D7.1 '*Initial Communication Strategy and Plan*' (M6) and updated within D7.2 '*Interim Communication Strategy and Plan*' (M18) have been efficiently followed and that the communication with the stakeholders' community have also been effectively and efficiently exploited.

1.2 Intended readership

COREALIS D7.3 '*Final Communication Strategy and Plan*' is a public deliverable and constitutes a very useful document addressed not only to the consortium members, but also to any interested reader (i.e., PU dissemination level).

1.3 Relationship with other COREALIS deliverables

This deliverable D7.3 lies within Work Package *WP7: Dissemination Strategy and Stakeholder engagement*, and it is closely linked with the following project deliverables:

D1.2 COREALIS personas and Stakeholder Classification, which includes a classification and an inventory of COREALIS stakeholders, as well as a description/profiling of personas shortlisted.

D7.1 Initial Communication Strategy and Plan, which includes all the communication activities to be performed by COREALIS partners and summarises all activities until M6 and those planned.

D7.4 Initial Set of COREALIS communication tools, which presents the project brand identity as well as the first version of the COREALIS brochure and poster.

D7.5 Final Set of COREALIS communication tools, which presents the final COREALIS brochure, posters, e-newsletters, video, website and social media accounts.

D7.6 COREALIS networking and cross fertilisation activities, which presents the planning for liaison and cross fertilisation activities as well as information about the stakeholders' community outreach.

D7.7 Conclusion report of COREALIS scientific contributions, which summarises all the scientific papers and outcomes of COREALIS and outlines them in a larger context working as a basis for larger multi-disciplinary papers and future projects.

D8.5 Initial Data Management Plan, which presents the status of data management and protection activities in M18.

D8.6 Interim Data Management Plan, which presents all data types which the LLs intent to collate and the necessary approvals needed.

D8.7 Final Data Management Plan, which provides the final update of D8.5 summarising all the project data management and protection activities.

Apart from the above-mentioned deliverables, the document at hand has a close indirect relation to all COREALIS achievements that need to be disseminated (to targeted audiences).

1.4 Document Structure

The document is structured in four sections.

Section 1 introduces the purpose and scope of the document.

Section 2 provides an overview of the developed communication strategy and plan, along with a communication status monitoring and the COREALIS outcomes in relation to the identified target audiences, the KPIs and the risk compliance.

Section 3 describes in detail the COREALIS communication updated in relation to both the material and the communication tools and channels.

Section 4 presents comprehensively the activities conducted, and the overall communication and dissemination achievements performed within COREALIS project lifetime.

2. COREALIS communication strategy

2.1 Objectives of the communication activities

As set out also in the project grant agreement, the main objectives of *WP7: Dissemination Strategy and stakeholder engagement*, that shape the targets of the COREALIS communications strategy, are summarised as follows:

- The establishment of a set of systematic channels and means for communicating the project objectives, activity, progress, impact, and outcome to multiple stakeholders and to other non-technical audiences (i.e., press and general public).
- The dissemination of COREALIS technical results and the receipt of useful inputs from other scientists and relevant key expert communities, interested in the respective topics.
- The establishment, promotion and maintenance of links with the COREALIS stakeholder community identified in T1.2, with the aim to promote the familiarisation, to use of innovations and to collect direct feedback on the developed system.
- The liaison with relevant R&D initiatives in order to create strong cooperation links, exchange knowledge and ensure interoperability of developed systems through Europe.
- The preparation of supportive products, including training documentation, in a form that can be understandable and accepted by potential users, towards helping the technology transfer and the provision of the necessary advices and support.

More specifically, the key objectives that determined the conduction of all the communication activities are to:

- Raise public awareness and ensure maximum visibility of the project key facts, objectives, activities and findings.
- Announce and promote COREALIS events, contributing to upgrade its attendance and engagement potential.
- Inform about open calls, objectives and potential, increasing attention and number of proposals from stakeholders.
- Support the dissemination objectives, that refer to the public disclosure of the results and findings of the project by the appropriate means.

2.2 Communication roadmap

The COREALIS communication approach was developed based on a five-step process, as set in *D7.1: Initial Communication Strategy and Plan* (figure 1). It started with the identification of the communication objectives, followed by the identification of the target audiences and the identification of the related key messages. The communication roadmap continued with the identification of means and channels and finally it concluded with the monitoring and evaluation assessment.
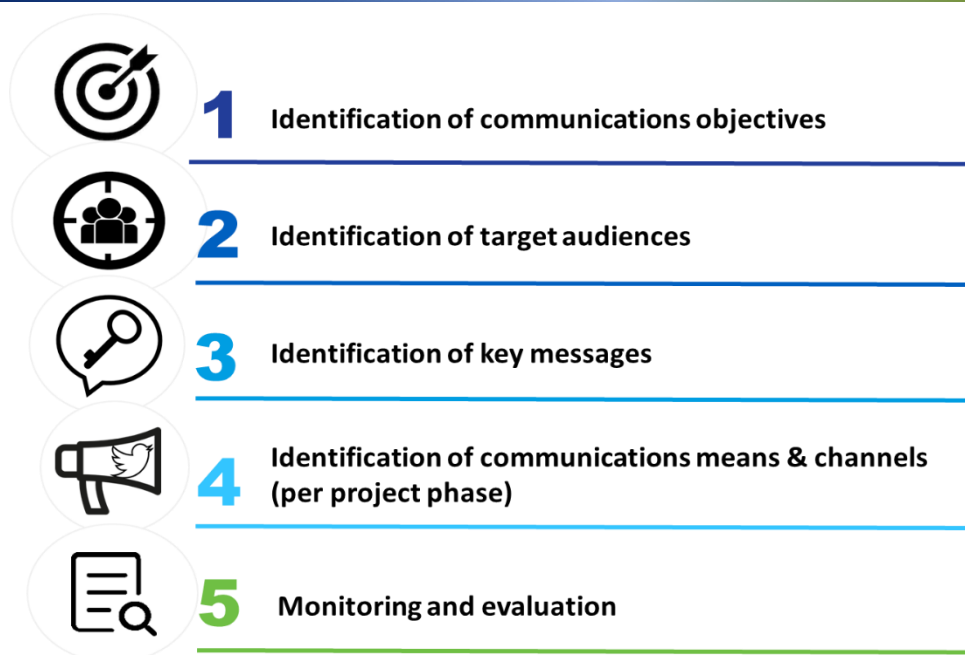
Figure 1 COREALIS approach to Communication

COREALIS project, taking into consideration that the timely communication is the key to successful project completion, in conjunction with the five-step procedure followed a three-stage approach for the efficient planning and implementation of its communication and dissemination activities. As a matter of fact, three project phases have been identified: The Starting phase, the Development phase and the Final phase.

During the Starting phase the main focus was given on informing the public about the project's concepts, the main objectives and the expected impact, as well as reaching out to the targeted audiences and relevant stakeholder groups. In addition, special attention was given in spreading knowledge about the project's aims and its initial findings in order to gain maximum support from stakeholder communities, while at the same time motivating possible interested parties to actively engage.

Entering the Development phase COREALIS built upon the review and evaluation of the first implemented activities and, proceeded with promoting the initial project results in more tailored ways for each of the key stakeholder groups. The main focus was concentrated on the effective communication of the available project results and findings and it tried to raise further awareness on project related issues, in a collaborative engaging way.

In the Final phase, a major effort was focused on the effective dissemination of the project results to the targeted audiences (as described in detailed within *D7.2: Interim Communication Strategy and Plan*) in a way of ensuring the long-term impact of project's final results. More details about the activities conducted, and the respective channels selected per phase are thoroughly described in section 2.2 of *D7.1: Initial Communication Strategy and Plan*.

A variety of communication channels and tools (project website, media, online media, printed material, press releases, webinars, social media, physical meetings, conferences,

exhibitions, workshops, focus groups, training seminars and other events) were actively used during the three phases to effectively flow COREALIS information, create awareness and reach out to the targeted audiences. These channels and tools and their use within COREALIS, have been thoroughly described both in *D7.4: Initial Set of COREALIS communication tools* and *D7.5: Final Set of COREALIS communication tools.*

The overall COREALIS methodological approach aimed at ensuring that the project and its findings have been widely disseminated to the appropriate target groups and at the appropriate time and via the appropriate methods, in a way that is conducive to maintaining the project schedule, ensuring the correct communications are distributed, and preventing any ongoing difficulties.

2.1 Target audiences

The identification of target audiences has been proved as a very crucial process, that pinpointed all the relevant stakeholders in order to achieve the highest impact for COREALIS project. The selection and grouping of the most appropriate audiences were based on their impact and interested factors on the project, as well as the available resources, the objectives of the engagement and the motivation or the capability of the stakeholders to be involved and contribute to the project. Through the assessment of these criteria, the initial stakeholders' list has been developed within D7.1 (figure 2) and it has been reassessed and further expanded within the D7.2. In addition, a detailed directory of the COREALIS stakeholders' community has been developed as part of D7.6: *COREALIS Networking and Cross fertilisation activities*, based on the consortium's secure networks and direct contacts.

Main audience	Stakeholder groups
Scientific Community	Academic and research Institutions, professional societies, funding institutions, educational staff, Standardization Bodies, EU platforms
Operators	Port operators, terminal operators, freight operators, nautical service operators, rail operators, barges operators, ocean carriers
Authorities	National regional and local authorities, Port authorities, Partners municipalities
Companies	Logistic company, shipping company, trucking company
Port Associations/ Communities	Port associations, shipping associations, port user communities
ICT Service Providers	ICT service providers
Cities	Port Cities
Public Stakeholders & Policy Makers	National and regional government, ministries, city council, EU citizens, general public, international policy makers, groups & institutions

Figure 2 COREALIS main audiences and stakeholder groups

2.2 Communication Key Performance Indicators (KPIs)

Special focus as part of the communication and dissemination activities was the periodic evaluation of the set of Key Performance Indicators (KPIs) and update of partners' activities, which has been proved very important to guarantee that all identified target audiences have been properly reached and provided with the appropriate information and content on project's assets and to generate feedback and get insights on what works and what needs refinement. The effectiveness of COREALIS's communication and dissemination activities has been periodically measured, following a two-fold approach.

On the one hand, every performed activity has been recorded in a directory along with all the relevant metadata information (e.g., name of activity, date, place, involved partners etc.) and it has been made available in the internal project's repository Redmine, along with its constant updates.

On the other hand, a number of quantitative measurable targets (KPIs) for dissemination and communication activities have been set (since proposal phase) and updated within D7.1 and D7.2 with the expected result per activity. A complementary KPI monitoring table (figure 3) has been created, in order to ensure that the desired outcomes and impacts have been reached towards the project end.

More specifically, in the figure 3 below, the threshold values per activity are depicted for three measuring periods, in order to present the complete overview of the project's progress. These three measuring periods have been selected as they are considered as key project milestones: The first year of the project (M12), the first eighteen months (M18) and the project end (M36). The threshold values per activity for periods have been set following a linear interpolation and using the targeted values per activity, which are displayed in the last column. The values for M12 and M18 have been already defined within D7.2 and at this stage the final KPIs results are identified for M35. By entering the current values for M35 (March 2021) in the corresponding column, the results are depicted in the column next to the threshold values, using the green (fulfilled) and yellow (in progress) symbols.

As depicted in the following figure, the majority of the KPIs values (up to M35) have been successfully fulfilled. However, the KPIs related to the number of presentations conducted in related events and the papers submitted in related conferences were not fulfilled, as the COVID-19 global pandemic postponed and cancelled a substantial number of major and well-known planned events. In addition, communication activities taking place in the context of such events, result to high levels of outreach (due to the large numbers of attendees) and thus, to increased numbers of reposts and followers on social media. Due to this aspect, the lack of 'these pics' in the dissemination activities of the project led to lower (compared to the initially planned) KPIs values related to the social media followers.

KPIs Names	Current values (M35)	Thresshold for the 1st year (M12)	Result (1st year)	Thresshold for the 2nd year (M24)	Result (2nd year)	Thresshold for the 3rd year (M36)	Result (3rd year)
Task 7.1:COREALIS brand identity & Communication Strategy							
Project logo	1	1	✓	1	✓	1	✓
Brand guidelines	1	1	✓	1	✓	1	✓
Templates	1	1	✓	1	✓	1	✓
Illustartion & graphics	1	1	✓	1	✓	1	✓
Task 7.2:High Impact Communication activities							
Brochures	2	1	✓	2	✓	2	✓
Posters	3	1	✓	2	✓	3	✓
Roll-up banners	5	1	✓	3	✓	5	✓
Final video	1	0	✓	0	✓	1	✓
E-newsletter	4	1	✓	3	✓	4	✓
Website	1	1	✓	1	✓	1	✓
Twitter members	676	300	✓	700	✗	1000	✗
Linkednl members	314	300	✓	700	✗	1000	✗
Media articles	35	10	✓	20	✓	30	✓
TV/Radio interview	1	1	✓	1	✓	1	✓
Publication in EU communication tools	5	0	✓	2	✓	4	✓
Announcements in H2020 social media	6	1	✓	3	✓	6	✓
Task 7.3:Scietific dissemination & participation to ORDP							
Presentations in confereneces/events (at least 15 a year)	34	15	✓	40	✗	60	✗
SIS	6	1	✓	2	✓	3	✓
Stands/demonstartions/booths	8	0	✓	1	✓	2	✓
Papers in conference proceedings + posters+reports	14	5	✓	12	✓	25	✗
Publication in reknown scientific journals	9	2	✓	5	✓	8	✓
Task 7.4: COREALIS liaison with other projects, ports & logistics associations & event organisation							
Cluster sessions on a yearly basis	11	1	✓	2	✓	3	✓
Training events in each LL	5	0	✓	0	✓	5	✓
Final Conference	1	0	✓	0	✓	1	✓
Members of Stakeholder community	500	20	✓	30	✓	50	✓
Stakeholders contacted during the project	2500	25	✓	70	✓	100	✓
Links with RnD projects	12	3	✓	8	✓	10	✓
Links with associations/fora/technical commitees	21	3	✓	8	✓	10	✓

Figure 3 COREALIS KPIs monitoring table

2.3 Risk management and compliance

In COREALIS, risks are always considered as an integral part of the workplan. The complexity of the work at hand and the trans-disciplinary nature of the consortium recognised the need of recording a number of potential risks, that might have caused issues throughout the project's execution lifecycle. However, the continuous monitoring of communication and dissemination risks as part of the quality and risk was considered as a fundamental aspect for the successful implantation of COREALIS communication Strategy and Plan. Table 1, below, depicts the latest updated list of risks along with the respective mitigation measures connected to WP7. This list served as a guide for the successful monitoring of the identified risks by exploiting the accumulated project implementation experience of partners and by applying a well laid-out management scheme.

Table 1 List of Risks and Mitigation measures for WP7

WP	Description of Risk	Risk-Mitigation measures	P[1]	D[1]
7	Poor performance of a partner	In COREALIS there will be a close interaction between coordinator, technical management, risk management, and work package leaders. Therefore, it is possible to identify problems with the quality or timing of the work of single partners early and to react in short time. If a partner does not deliver the work agreed on in the work plan, respective measures are set by the COREALIS PB (e.g., support of this partner, shift of tasks and related resources).	L	M
7	Low involvement of external to the consortium stakeholders in focus groups and creation of scenarios	Brand identity, social media, basic communication kit (project website, poster, leaflet, press releases) created prior to WP1 focus groups, CAB to be invited (resources foreseen in coordinator budget); LL leaders have good liaisons and letters of support of several local actors	L	M
7	Low outreach of COREALIS communication channels and low relevance to the specifics of the target audiences	Communication strategy and plan will be developed early (M06) and constantly evaluated (M18, M32) so as to assure that all developed channels and means are relevant to the specifics of the target audiences; specific KPIs have been provisioned for monitoring the success of the strategy. Statistics on the use of the COREALIS webpage and social media accounts will be reviewed periodically to monitor visitors' flow and increase the diffusion in time	L	H
7	Low engagement of consortium partners in dissemination/ communication	Close collaboration of WP7 Leader with all consortium partners and continuous triggering of the inactive members through bi-lateral communication and regular WP meetings.	L	M

[1] P: Probability, D: Potential Damage, L: Low, M: Medium, H: High

7	activities				
7	Low participation at the COREALIS demonstration events and training activities	All communication channels will be used to broaden the number of stakeholders involved in COREALIS activities. Substantial effort will be given in engaging as many members of the stakeholder's community as possible, towards their participation in COREALIS focus groups, demonstrations and training activities; Partners are committed to share information about COREALIS events through their individual channels and invite their colleagues to attend.	L	M
7	Delay in the organisation of project events/ workshops/ training seminars	WP7 leader is continuously monitoring the organisation process of every event in the context of COREALIS and is enabling the strong engagement of all Consortium members	L	L
7	Confidential information is disclosed through project's dissemination/ communication activities	The COREALIS consortium has identified and described the required procedures for publishing project's dissemination material at the early stages of the project via its Consortium Agreement. All partners are obliged to follow these guidelines. It has also been established a second level of security, where all information related to communication/dissemination issues must be first approved by the WP7 leader.	L	H
7	Overlapping communication activities with other initiatives	COREALIS has already (since M2) established a continuous dialogue and exchange of information with other PoF consortia, to avoid duplication of work and increase visibility.	L	L
7	Exploitation plan for COREALIS results and respective roadmap not viable	During the proposal phase key stakeholders have been identified and engaged to ensure a port-led business partnership. This activity will continue during the project phase to ensure realistic and sustainable business and exploitations plans for all key parties.	L	H
7	Conferences and relevant exhibitions/fairs may be cancelled or postponed (COVID related)	Follow closely any relevant opportunities and strive for virtual attendance.	H	H
7	Travelling to present papers in conferences may not be possible for many partners (COVID related)	Drafting scientific papers has been encouraged through COREALIS implementation period by identifying relevant opportunities (e.g., Open Access journals). For their presentation, COREALIS team tried to make use of complementary alternatives for increasing project's outreach (e.g., virtual interviews, attendance of on-line seminars/ workshops etc.)	H	M

3. COREALIS communication updates

3.1 COREALIS communication material

COREALIS's communication material, either in hard copy or in digital/electronic form, has been developed in line with the overall COREALIS communication strategy to ensure that the achievement of the project's objectives and the effective engagement of the interested target audiences has been successfully achieved. COREALIS material has been consistent with COREALIS brand identity and the communication guidelines provided by the European Commission (EC) [1].

Communication material, as part of the project Communication kit, was updated as necessary throughout the course of the project in order to include the COREALIS achievements, findings and outcomes. The dissemination process is a responsibility for all COREALIS WPs under the lead of SEAB.

The project communication material consists of the: brochure, poster, roll up banners, press releases, video, templates and other material (e-newsletter, general news and specialised articles). The latest updates related to COREALIS communication and dissemination material are thoroughly described below.

According to EC instructions [2], all project communication material has acknowledged the EU funding by including the appropriate EC disclaimer as stipulated in the article 38 of COREALIS Grant Agreement and by displaying the correct EU emblem, with an appropriate prominence.

1.1.1 Brochure

The first version of COREALIS brochure has been presented in a double page folded leaflet, providing a holistic overview of the project's vision, a self-explanatory graphical representation of COREALIS's innovations, the Living Labs and the expected three-dimensional impact. The second one (figure 4) has been made available since February 2020 (M22) and its design has been presented in a roll fold leaflet, where each page folds in on itself, representing a trifold leaflet in a size of one third of A4 leaflet.

Its philosophy was based on the project's brand identity and provided detailed information about COREALIS's innovations, with a view to be distributed in related exterior workshops, conferences and exhibitions.

SEAB has been responsible for providing the design of the brochures to the partners as well as printing copies according to the project needs and budget availability and constraints. All versions have been made available within COREALIS website, in the material hub[2], in the dissemination material section.

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[2] https://www.corealis.eu/index.php/material-hub/

Figure 4 COREALIS updated brochure

1.1.2 Posters

The first version of COREALIS poster, represented a flyer, followed the logic of flexible distribution and a minimal approach and contained only the key information about COREALIS. The second version of COREALIS poster, has been created to facilitate the participation in technical events (such as technical workshops) along with the showcasing of the corresponding material. A horizontal and a vertical template have been produced following the consistency guidelines of the project brand identity.

Further to the already developed COREALIS posters, a third poster, specifically created for the COREALIS Final Conference has been developed in vertical A4 layout (figure 5). The poster included information about the date and time of the final event, the registration link, the COREALIS innovation palette, the consortium members as well as the project's social media accounts.

Figure 5 COREALIS final poster

SEAB has been responsible for providing the design of the posters to the partners as well as printing copies according to the project needs and budget availability and constraints. All project posters have been made available in the COREALIS website, in the material hub[3], in the dissemination material section.

1.1.3 Roll-up banners

Two versions of COREALIS roll-up banners have been developed for disseminating the project outcomes at specific events, such as exterior workshops, conferences, exhibitions. Because of their self-standing structure, it acts as an important resource for COREALIS,

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[3] https://www.corealis.eu/index.php/material-hub/

accommodating the fact that "*an advert seen once by a million people will not be as effective as an advert seen four times by a quarter of a million people*".

The second one (figure 6), which has been released since February 2020 (M22) of the project, mainly aimed at providing more detailed information about COREALIS innovations.

In the context of the training seminars and the Valencia Hackathon organized by COREALIS project, two additional roll-up banners have been developed respectively (figure 7 & 8). These banners acted complementary to the already existing, following the project's respective guidelines.

COREALIS roll-up banners are produced in English and printed by SEAB. All versions have been made available in COREALIS website, in the material hub[4], in the dissemination material section.

Figure 6 COREALIS roll-up – second version

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[4] https://www.corealis.eu/index.php/material-hub/

Figure 7 COREALIS Training seminars roll-up

Figure 8 COREALIS Valencia Hackathon roll-up

3.1.3 Press activities

Press activities are considered as high impact communication activities for boosting the project's visibility and promoting COREALIS. To this direction, press releases were always important for highlighting the successes and advancements made by the project partners. COREALIS team has proceeded to the following complementary press activities since M18 (October 2019) (table 2). Detailed information about each of the activities mentioned

below, can be found on COREALIS website, in the material hub[5], in the media centre section.

Table 2 COREALIS press activities

Press activities/Mass Media Publications			
Title	**Date**	**Partners**	**Link**
Article in Greenreport.it	25/09/2019	**ERICSSON, AdSP-MTS, CNIT**	http://www.greenreport.it/news/mobilita/livorno-protagonista-a-new-york-con-il-progetto-logistics-of-the-future-in-sustainable-smart-ports/
Article in quifinanza.it & eleborsa.it & ilmessaggero & lastampa & repubblica	25/09/2019	**ERICSSON, AdSPTS, CNIT**	https://quifinanza.it/finanza/italia-protagonista-a-new-york-per-la-sostenibilita-dei-porti/312390/, https://www.teleborsa.it/News/2019/09/25/italia-protagonista-a-new-york-per-la-sostenibilita-dei-porti-147.html#.Xj1RIn8zbct, https://www.ilmessaggero.it/economia/news/italia_protagonista_a_new_york_per_la_sostenibilita_dei_porti-4757224.html, https://finanza.lastampa.it/News/2019/09/25/italia-protagonista-a-new-york-per-la-sostenibilita-dei-porti/MTQ3XzIwMTktMDktMjVfVExC, https://finanza.repubblica.it/News/2019/09/25/italia_protagonista_a_new_york_per_la_sostenibilita_dei_porti-147/?refresh_ce
Article in ERICSSONs annual report	09/2019	**ERICSSON**	https://www.ericsson.com/4a82a6/assets/local/about-ericsson/sustainability-and-corporate-responsibility/documents/2019/technology-for-good-impact-report-2019.pdf
Article in DigitalVoice.it	26/09/2019	**ERICSSON**	https://www.digitalvoice.it/italia-a-new-york-con-il-progetto-logistics-of-the-future-in-sustainable-smart-ports/
Article in La Repubblica newspaper	11/11/2019	**ERICSSON**	https://www.repubblica.it/economia/rapporti/mondo5g/industry-quattropuntozero/2019/11/11/news/da_livorno_al_pireo_i_porti_europei_si_aprono_alla_rivoluzione_5g-237809547/
Article in corrierecomunicazioni.it	23/04/2020	**ERICSSON**	https://www.corrierecomunicazioni.it/telco/5g/il-5g-oro-per-i-porti-italiani-e-non-solo-ma-civitavecchia-blocca-tutto/
Article in internet4things.it	25/06/2020	**ERICSSON**	https://www.internet4things.it/industry-4-0/machine-type-communications-negli-scenari-industriali-connessioni-critical-type-e-massive-type/
Online & booklet article in businessfinland.fi	01/07/2020	**VTT**	https://www.businessfinland.fi/49e5f7/globalassets/ict-digi-maritime/bf_smartportsfromfinland_lores_010720.pdf
Article in valenciaplaza.com	30/11/2020	**VPF**	https://valenciaplaza.com/el-proyecto-book-a-slot-se-alza-con-el-primer-premio-del-valenciaport-hackathon

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[5] https://www.corealis.eu/index.php/material-hub/

3.1.4 Fact sheet

COREALIS fact sheet has been prepared and produced at the early stages of the project (on M1) to provide a complete overview of the project details. It outlines all the necessary baseline information related to the project identification and it can be used from COREALIS partners as a complete description of the project in their communication channels. COREALIS fact sheet can be founded in D7.4 *Initial Set of COREALIS communication tools* and accessed online in the COREALIS website, in the material hub[6], in the dissemination material section.

3.1.5 Project overview presentation

The project overview presentation has been also produced in the early project stages, on M4, with a twofold purpose. On the one hand, to provide a more detailed overview of the project than the one used in the rest of the dissemination material (towards providing in detail the COREALIS objectives and highlighting the project's implementation phases) and on the other hand to be used by the consortium partners without any prior content approval in related events, for presenting COREALIS.

It has been produced, following the guidelines, stemming from the COREALIS brand identity and it has been made also available in the COREALIS website, in the material hub[6], in the dissemination material section.

3.1.6 Project video

COREALIS launched its general project video (figure 9) during December 2019 (M20), aiming at gaining more attention on the project. This video marked the project's vision towards the port of the future, the objectives, the innovation and the Living Labs. COREALIS project video was designed by using animated elements, in order to strengthen the port future vision. The video has been produced in English, with subtitles option and has been disseminated via the COREALIS social media accounts. It has been made also available in the project website, in the material hub[6], in the dissemination material section and also in the COREALIS YouTube channel[7].

Figure 9 Selected screenshots of the COREALIS video

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[6] https://www.corealis.eu/index.php/material-hub/
[7] https://www.youtube.com/watch?v=Ijt8n0ec0o8&feature=youtu.be

Furthermore, a video related to COREALIS Marketplace solution (Brokerage Platform) (figure 10) has been produced by MARLO, in order to give more visibility and promote this innovation. COREALIS Brokerage Platform is a cloud based customizable digital Marketplace, which gives the opportunity to exchange resources and assets among neighbouring businesses. The video has been published on COREALIS YouTube channel[8] in February 2021 (M34) of the project and has been also made available in the project website, in the material hub[9], in the dissemination material section.

Figure 10 Selected screenshots of COREALIS Brokerage Platform video

3.1.7   e-newsletters

COREALIS website offered the opportunity to its visitors to sign up and receive a regular e-newsletter. The total number of the subscribed members counts to 76 members. COREALIS e-newsletters constituted an electronic means of distributing project findings and news, implemented activities as well as upcoming actions. The content of the e-newsletters has been based on the continuous progress of the project and aimed to inform the interested audience about the key outcomes and results of the projects. The e-newsletter mailing list and website functionality has used the MailChimp services. Four e-newsletters in total have been produced within the project's lifetime and are presented in the following table 3 along with the analytics provided by the Mailchimp platform [3]. All issues are available in the COREALIS website, in the material hub[9], in the newsletters section.

Table 3 COREALIS e-newsletters

COREALIS e-newsletters	Mailchimp platform analytics
• **COREALIS 1st e-newsletter,** *April 2019* https://mailchi.mp/994d30772e4c/corealis-first-newsletter-336091	• **Delivery rate:** 100% • **Total opens:** 113
• **COREALIS 2nd e-newsletter,** *November 2019* https://mailchi.mp/ad900a9b20dd/corealis-second-newsletter-441383?e=8385736f48	• **Delivery rate:** 100% • **Total opens:** 72

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[8] https://www.youtube.com/watch?v=39DbicLYnHQ&ab_channel=COREALISEUProject

[9] https://www.corealis.eu/index.php/material-hub/

• **COREALIS 3rd e-newsletter,** *May 2020* https://mailchi.mp/7e17496b3759/corealis-third-newsletter?e=eb0787808b	• **Delivery rate:** 100% • **Total opens:** 291
• **COREALIS 4th e-newsletter,** *December 2020* https://mailchi.mp/3b09fb8021c8/corealis-forth-newsletter?e=1ce5db2b5f	• **Delivery rate:** 100% • **Total opens:** 55

3.2 COREALIS communication tools & channels

3.2.1   Website

The COREALIS website is the central hub and the backbone of the project's communication activities. It is up since M3 (July 2018) and it is hosted behind the following URL: https://www.corealis.eu. The project website is catering for all different users and stakeholders and provides up-to-date information about the project objectives and priorities, the proposed technologies, Living Labs demonstration environments, news and events, videos, project results, related articles and project material (e.g., public deliverables, open access publications, dissemination material etc.).

The website has been frequently updated including information about project events, the results, as well as the different LLs activities and outcomes. The material section remained also continuously updated with any corresponding material that derived from the partners' activities.

The main updates since M18 concerned the provision of updated information about COREALIS Living Labs (figure 11) and the development and addition of COREALIS innovation palette (figure 12), including information about COREALIS innovations matched with the corresponding LLs (figure 13), where they are being implemented. The final update concerned the announcement regarding COREALIS final conference (figure 14), including all the important information about the event as well as the registration link (figure 15).
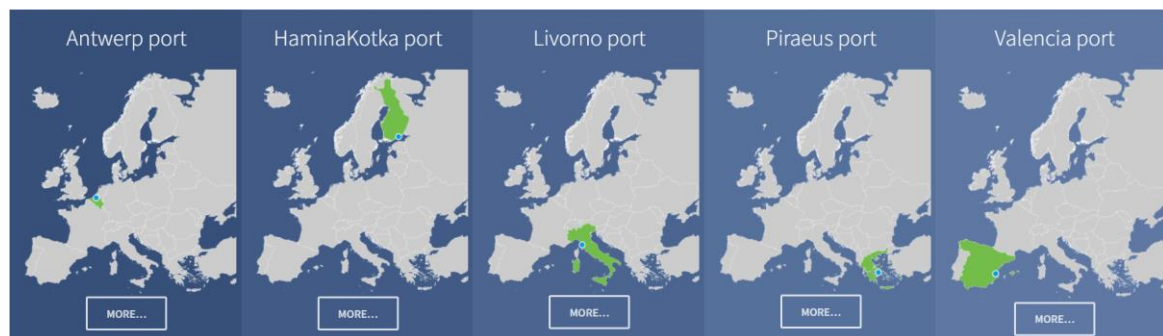

Figure 11 COREALIS Living Labs

Figure 12 COREALIS Innovation Palette
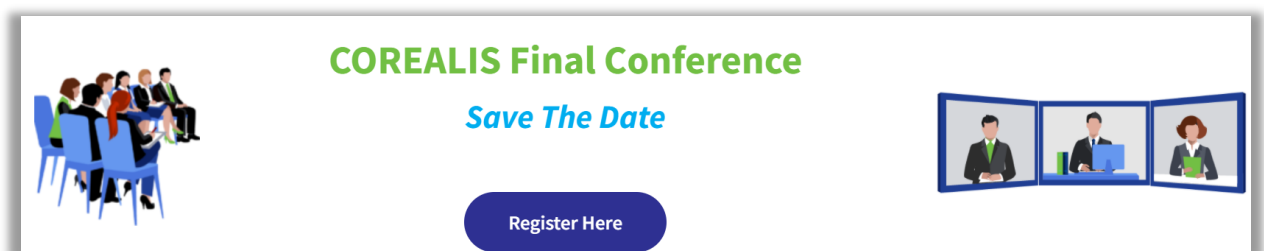

Figure 13 Legend of COREALIS Innovation Palette

Figure 14 Announcement of COREALIS Final Conference

Figure 15 Information about COREALIS Final Conference

It will be maintained for 5 years after project completion, in order to provide information about project deliverables and the coordinator's contact details to any interested stakeholder. COREALIS website is linked to all COREALIS social media accounts.

3.2.2 Social Networks

COREALIS maintained since the beginning of the project, three social media accounts on Twitter, LinkedIn, and YouTube respectively, in order to maximize dissemination of results and public engagement. All social media accounts have been developed and maintained by SEAB. During the project course, it has been agreed among the consortium to set up and sustain also a COREALIS account on Open AIRE.

COREALIS Twitter account has been used to raise awareness of the project, especially for the wider maritime community and gathers until M35 676 followers. COREALIS LinkedIn account has been also created to attract interested stakeholders and interact with them and has gained 314 followers up to M35. Finally, the YouTube channel counts 14 videos, and its existence aims at sharing videos related to the project achievements, in the context of its dissemination and communication activities.

SEAB as an effort to secure Open Access to all interested stakeholders and wider public has also signed up COREALIS project in the OpenAIRE repository[10]. OpenAIRE is an Open Access repository, which serves as a database or a virtual archive established to collect, disseminate and preserve scientific output like scientific articles and datasets and make them freely available [4].

All the produced technical and scientific papers developed within COREALIS project have been uploaded in the OpenAIRE repository in open access mode, aiming to ensure the sustainability of the produced knowledge through the adoption of the 'Green Model'.

All social media accounts have been interconnected with the project website and the success of the social media presence of COREALIS has been continuously monitored and regularly updated with the latest project improvements, results and outcomes.

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[10] https://explore.openaire.eu/search/project?projectId=corda__h2020::884bd42d4bad3bc84b607e9781087c64

4. COREALIS performed activities

COREALIS performed activities from M19 till the project end are summarised in the following subsections. For each activity a reference to the event details, the partners involved, and the presented material has been described. All activities since the project commencement are available in Annex A of the present document.

4.1 COREALIS Living Lab training seminars

Five demonstrations-training seminars have been conducted virtually between M26 (June 2020) and M31 (November 2020) of the project, for each one of the five Living Labs (Antwerp, HaminaKotka, Livorno, Piraeus and Valencia) (figure 16). The demonstrations aimed to showcase the actual operation of the innovations developed at each one of the five Living Labs. Further details about the five demonstrations-training seminars are provided in the following table 4 below:

Table 4 COREALIS LLs demonstrations & training seminars

LLs demonstration/training seminars	Innovation(s) presented	Material Access
Piraeus Living Lab, *'Piraeus Port: Innovation first, efficiency always'*, 04/06/2020, virtually	• Predictor asset management, • Energy assessment framework • Port of the future Serious Game	https://www.corealis.eu/index.php/event/piraeus-living-lab-training-seminar-material-access/
Livorno Living Lab, *'Livorno Port: 5G improving the port operations efficiency'*, 19/06/2020, virtually	• PORTMOD • RTPORT • Port of the Future Serious Game	https://www.corealis.eu/index.php/event/livorno-living-lab-training-seminar-material-access/
HaminaKotka Living Lab, *'HaminaKotka Port: Increasing Efficiency Step by Step'*, 21/10/2020, virtually	• Truck Appointment System • PORTMOD • Port of the future Serious Game	https://www.corealis.eu/index.php/event/haminakotka-living-lab-training-seminar-material-access/
Valencia Living Lab, *'Valencia Port: Empowering the port-city sustainability'*, 27/10/2020, virtually	• Truck Appointment System • Just-In-Time Rail Shuttle Service • Innovation Incubator Scheme • Port of the future Serious Game	https://www.corealis.eu/index.php/event/valencia-living-lab-training-seminar-material-access/
Antwerp Living Lab, *'Antwerp Port: Sustainability through optimisation'*, 10/11/2020, virtually	• Brokerage Platform • Cargo Flow Optimiser • Port of the future Serious Game	https://www.corealis.eu/index.php/event/antwerp-living-lab-training-seminar-material-access/

All the video recordings derived from the training seminars have been also uploaded and made available within COREALIS YouTube Channel[11].

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[11] https://www.youtube.com/playlist?list=PLWjloKIhzGbvPJkJqbjZSJ0p9TlSI9QDg

Figure 16 COREALIS training seminars

4.2 COREALIS Hackathon

The Valenciaport Hackathon (figure 17) was conducted virtually between November 20th and November 27th, 2020. The ambition of the COREALIS Incubator scheme was to foster the development of port-city innovation clusters by organizing a Hackathon in the Port of Valencia. Thus, Valenciaport Hackathon was an exciting opportunity to promote innovation in the port community.

The Valenciaport Hackathon combined academic knowledge and talent from entrepreneurs/start-ups with the port-logistics community to enable sustainable development of intelligent ports. This digital event was an extraordinary opportunity for the innovation ecosystem and inspired the port-logistics industry to convert their ideas to concrete solutions.

The announcement, including all the necessary information about Valenciaport Hackathon has been published in the project website, in the News & Events[12] section.

Figure 17 Valenciaport Hackathon

During one week the participants were able to develop innovative solutions in response to the four challenges posed, with the advice and support of expert mentors in ports and

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[12] https://www.corealis.eu/index.php/event/valenciaport-hackathon/

foreign trade from the sponsoring entities and Fundación Valenciaport. The eight most promising solutions went on to the grand final, where a jury made up of the organisers and sponsors of the Valenciaport Hackathon and selected the three winning proposals.

The Valenciaport Hackethon winners/final ceremony took place virtually between December 2 and 13th 2020. Information about the ceremony as well as the ValenciaPort Hackathon finalists (figure 18 & 19) has been made available in the project website, in the News & Events[13] section.

Figure 18 Valenciaport Hackathon Finalists

Figure 19 Valenciaport Hackathon Finalists Awards

4.3 Participation in external events & conferences

COREALIS activities including external conferences and events, special interest sessions and other activities, performed between M19 and M36 are summarized in the table 5 below. For each activity a detailed description of the event, the partners involved, the achieved result and the presented material is available at the COREALIS website: https://www.corealis.eu.

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[13] https://www.corealis.eu/index.php/event/valenciaport-hackathon-winners-final-ceremony/

Table 5 COREALIS performed activities

Presentations in Conferences/events				
Date	**Partner**	**Event**	**Presentation title**	**Website announcement**
10-12 December 2019	CNIT	ESA at the New Space Economy European Expoforum, Rome,Italy	5G NR & Maritime Logistics	https://www.corealis.eu/index.php/event/new-space-economy-european-expoforum-rome-italy/
15 September 2020	MOSAIC	OR62, Virtual	Multimodal freight transport planning and prediction	https://www.corealis.eu/index.php/event/or62-online-annual-conference/
9-10 October 2020	ICCS	4th SmartBlueCity Conference, Athens, Greece	COREALIS - Sustainable Innovative Footprints for Future Ports	https://www.corealis.eu/index.php/event/4th-smartbluecity-conference-in-athens-october-9-10-900-am-630-pm/
4 November 2020	MOSAIC	ICIL (Institute for Careers and Innovation in Logistics & Supply Chain), Virtual	Optimización del tráfico multimodal de contenedores utilizando Big Data	https://www.corealis.eu/index.php/event/debate-of-institute-for-careers-and-innovation-in-logistics-supply-chain-icil/
9-10 November 2020	ICCS	ITS Virtual Congress, Virtual	COREALIS - Sustainable Innovative Footprints for Future Ports	https://www.corealis.eu/index.php/event/its-european-congress-virtual/
9-10 November 2020	MOSAIC	ITS Virtual Congress, Virtual	CARGO FLOW OPTIMISATION AND PREDICTION	https://www.corealis.eu/index.php/event/its-european-congress-virtual/
11-12 November 2020	ICCS	3rd-annual Baltic Sea Region 5G ecosystem forum, Virtual	ETP Alice update on 5G activities	https://www.corealis.eu/index.php/event/3rd-annual-baltic-sea-region-5g-ecosystem-forum/
02 December 2020	CNIT	5G Italy, The global meeting in Rome, 3rd edizione, Virtual	Port of Livorno and 5G technology: RTPORT	https://www.corealis.eu/index.php/event/5g-italy-2020/
18 January 2021	ICCS	EU&U	COREALIS – Έξυπνη διαχείριση εμπορευματοκιβωτίων των Ευρωπαϊκών λιμένων	https://www.corealis.eu/index.php/event/euandu/

19 March 2021	DYNNIQ	2021 IEEE International Forum on Smart Grids for Smart Cities	Sustainable urban mobility and energy infrastructure for the future	https://www.corealis.eu/index.php/event/2021-ieee-international-forum-on-smart-grids-for-smart-cities/
Other activities in conferences/events				
Date	**Partner**	**Event**	**Type of activity**	**Website announcement**
17-18 December 2019	SEAB	ITS Hellas, Athens	Booth presentation	https://www.corealis.eu/index.php/event/its-hellas-2019-in-athens/
22-23 January 2020	VTT	Navigate Maritime Trade Fair	Booth presentation	https://www.corealis.eu/index.php/event/navigate-maritime-trade-fair-2020-in-turku-finland/
06-07 February 2020	VTT, STEVECO Oy	LOGY Conference	Booth presentation	https://www.corealis.eu/index.php/event/logy-conference-in-helsinki-finland/
24-28 February 2020	VPF	Digital Transformation Towards Fourth Generation Ports "Smart Ports", Valencia	Training Seminar	https://www.corealis.eu/index.php/event/digital-transformation-towards-fourth-generation-ports-smart-ports-2/
5 February 2020	DELTARES	Dissemination workshop, Delft	Port of the Future Serious Game (PoFSG) workshop	https://www.corealis.eu/index.php/event/corealis-workshop-port-of-the-future-serious-game-pofsg/
9-10 November 2020	ERTICO	ITS Virtual Congress, Virtual	Stand	https://www.corealis.eu/index.php/event/its-european-congress-virtual/

4.4 Clustering activities

As part of COREALIS clustering activities with its three sister projects funded under the Horizon 2020 call (H2020-MG-2016-2017, Topic: MG-7-3-2017), namely DocksTheFuture (CSA), PIXEL (RIA) and PortForward (RIA), the following activities took place between M19-M36 as part of the integrated collaborative work towards Port of the Future vision.

Table 6 COREALIS activities with its sister projects

Date	Partner	Event	Presentation title on behalf of COREALIS	Website announcement
23 June 2020	DELTARES	TRA2020	The Port of the Future Serious Game	https://www.corealis.eu/index.php/event/transport-research-arena-2020-virtual-conference/
24 November 2020	ICCS	DocksTheFuture Conference "Defining the concept of the Port of the Future 2030"	COREALIS Project Sustainable Innovative Footprints for Future Ports	https://www.corealis.eu/index.php/event/docksthefuture-defining-the-concept-of-the-port-of-the-future-2030/

The main aim of the network was to maximise the impact of the communication and dissemination of results amongst the relevant stakeholders, to exchange technical information between the four, leading to a stronger, more accurate vision of the Ports of the Future in 2030 and to contribute to the dissemination of top-level, high-quality EU funding programmes and support European Research and Innovation Actions.

4.5 COREALIS Final Event

COREALIS Final Conference has been scheduled to take place virtually on April 23rd, 2021 at 10.00-15.00 CET. In light of COVID-19 breakout and the related containment measures, COREALIS team decided upon turning the physical COREALIS Final Event into a Virtual one (figure 20) as to secure all participants' safety and health.

The event will roll out in three parts:

- Getting a step closer to the Port of the Future, by showcasing the COREALIS palette of port driven, technological and societal innovations.
- Highlighting the Port of the Future vision towards 2030, by presenting the approach of the Port of The Future Network.
- Discussing the vision and challenges towards the port of 2030 and beyond, via a round table discussion.

Figure 20 COREALIS Virtual Final Conference banner

Detailed information about COREALIS Final Conference agenda, speakers and the registration process have been made available in the project website[14].

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[14] https://www.corealis.eu/index.php/corealis-final-conference/

5. Conclusions

This deliverable presents the Final COREALIS communication strategy and Plan. It provides a summary of all the actives performed and conducted during the project's lifetime. It also summarises the COREALIS approach to communication and dissemination as well as to the process for the evaluation and monitoring of the communication and dissemination activities' results. The consortium recognises that dissemination and communication activities are an essential and pervasive process throughout the project's life and integrated within all its work packages.

This deliverable intent to be a complementary guide to D7.1, D7.2, D7.4, D7.5, D7.6 and D7.7 on showcasing the latest development on the project and demonstrating the outreach of these developments. Various activities were realised throughout the project's lifetime in order to aid COREALIS achieve its purposes and objectives. Promotion of the project online and via participation to the events, organisation of the workshops, a number of scientific dissemination actions in journals and conferences, high-quality promotional material as well as collaboration with other projects and initiatives constitute some of the main actions towards the aforementioned purposes, which they are thoroughly depicted and summarised in the current document.

References

[1] Participant Portal Online Manual, Communicating Your Project https://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/communication_en.htm (Last accessed on 04/03/2021)

[2] H2020 Programme: Guidance, Social media guide for EU funded R&I projects http://ec.europa.eu/research/participants/data/ref/h2020/other/grants_manual/amga/soc-med-guide_en.pdf (Last accessed on 04/03/2021)

[3] Mailchimp: All-in-One Marketing Platform https://mailchimp.com/ (Last accessed on 04/03/2021)

[4] OpenAIRE Repository https://www.openaire.eu/about (Last accessed on 19/03/2021)

Annex A: COREALIS performed activities

Conferences/ Events

- **Jean Monnet Symposium**, Chios, Greece, 28-29/06/2018, **DYNNIQ**, https://www.corealis.eu/wp-content/uploads/2018/07/COREALIS-JeanMonnetSymposium-180628.pdf
- **DocksTheFuture: Workshops with Experts**, Porto, Portugal, 29-30/10/2018, **SEAB,** https://www.corealis.eu/wp-content/uploads/2019/05/COREALIS-Overview.v.2.pdf **(Part of COREALIS clustering activities)**
- **4th ITS Hellas Conference & Exhibition**, Athens, Greece, 18-19/12/2018, **ICCS,** https://www.corealis.eu/wp-content/uploads/2019/01/PortsFuture_Multimodal_System_Tsertou_ICCS.pdf
- **DocksTheFuture MidTerm Conference**, Trieste, Italy, 04/04/2019, **ICCS,** https://www.corealis.eu/wp-content/uploads/2019/05/Port-of-the-Future-COREALIS-presentation.pdf **(Part of COREALIS clustering activities)**
- **European Maritime Days 2019**, Lisbon, Portugal, 16-17/05/2019, **VPF, POA,** https://www.corealis.eu/index.php/event/european-maritime-day-2019-in-lisbon-portugal/ **(Part of COREALIS clustering activities)**
- **Baltic Ports Conference 2019**, Stockholm, Sweden, 04-06/09/2019, **ERTICO,** https://www.corealis.eu/wp-content/uploads/2019/09/Baltic-Ports-Conference_COREALIS-presentation.pdf **(Part of COREALIS clustering activities)**
- **Seminario sulla Carbon footprint nel sistema portuale dell'Alto Tirreno,** Livorno, Italy, 12/09/2019, **CNIT,** https://www.corealis.eu/wp-content/uploads/2019/10/alexandr_tardo_CNIT_carbonfootprint_Livorno.pdf
- **1st International Conference on Maritime Transport,** Rome, Italy, 10-12/09/2020, **VPF,** https://www.corealis.eu/index.php/event/1st-international-conference-on-maritime-transport-2019/
- **UN SDSN Global Solutions Forum**, New York, USA, 25/09/2019, **ADSP MTS, ERICSSON & CNIT,** https://www.corealis.eu/wp-content/uploads/2019/09/GSF_LC-005_final.pdf
- **BiLOG conference**, La spezia, Italy, 16-17/10/2019, **CNIT,** https://www.corealis.eu/wp-content/uploads/2019/07/COREALIS_Bilog_fin.pdf **(Part of COREALIS clustering activities)**
- **ESA at the New Space Economy European Expoforum**, Rome, Italy, 10-12/12/2019, **CNIT,** https://www.corealis.eu/wp-content/uploads/2020/01/space_economy_rome_CNIT_Alexandr_Tardo.pdf
- **TRA2020**, Virtual event, 23/06/2020, **DELTARES,** https://www.corealis.eu/wp-content/uploads/2020/06/TRA2020-Webinar_DELTARES.pdf **(Part of COREALIS clustering activities)**
- **OR62**, Virtual events, 15/09/2020, **MOSAIC,** https://www.corealis.eu/wp-content/uploads/2020/09/CARGOFLOWOPTIMISER.pdf
- **4th Smart Blue City Conference**, Athens, Grecce, 09-10/10/2020, **ICCS,** https://www.corealis.eu/wp-content/uploads/2020/10/COREALIS_4thSmartBlueCity_ICCS_v2.pdf
- **ICIL (Institute for Careers and Innovation in Logistics & Supply Chain**, Virtual event, 04/11/2020, **MOSAIC,** https://www.corealis.eu/wp-content/uploads/2020/11/ICIL_CFO_20201104v02.pdf
- **ITS Virtual Congress**, Virtual event, 09-10/11/2020, **ICCS, MOSAIC,** https://www.corealis.eu/wp-content/uploads/2020/11/CFO_20201103v01.pdf, https://www.corealis.eu/wp-content/uploads/2020/11/ITS-Virtual-Congress-2020_COREALIS_ICCS.pdf
- **3rd Annual Baltic Sea Region 5G ecosystem forum**, Virtual event, 11-12/11/2020, **ICCS,** https://www.youtube.com/watch?v=EywG6BFGYcE&feature=youtu.be

- **DocksTheFuture Conference "Defining the concept of the Port of the Future 2030"**, virtual, 24/11/2020, **ICCS** https://www.corealis.eu/wp-content/uploads/2020/11/DtF_COREALIS_ICCS.pdf **(Part of COREALIS clustering activities)**
- **5G for Italy 3ʳᵈ edition**, virtual event, 02/12/2020, **CNIT** https://www.corealis.eu/wp-content/uploads/2020/12/5G_for_Italy_2020_Pagano_Tardo_final.pdf
- **EU&U**, Athens, Greece, 18/01/2021, **ICCS** https://www.corealis.eu/wp-content/uploads/2021/01/COREALIS_EUandU_18012021_updated.pdf
- **2021 IEEE International Forum on Smart Grids for Smart Cities,** virtual, 19/03/2021, **DYNNIQ,** https://www.corealis.eu/index.php/event/2021-ieee-international-forum-on-smart-grids-for-smart-cities/

Technical Papers/Posters/Reports

- **ITS European Congress 2019**, *Port Multimodal Inland mode of transportation predictor & prescriptor*, 03-06/06/2019, **MOSAIC,** https://www.corealis.eu/wp-content/uploads/2019/10/ITSEurope_CFO_Mosaic_Factor_compressed.pdf
- **IPIC 2019**, *Sustainable port development: towards the Physical Internet concept, 09-11/07/2019,* **ICCS, SEAB, DYNNNIQ, CNIT, VPF, PCT, VTT, Deltares**, https://www.corealis.eu/wp-content/uploads/2019/10/IPIC2019-Sustainable-port-development_towards-the-Physical-Internet-concept-1.pdf
- **IPIC 2019**, *RTPORT: the 5G-based Model-Driven real Time Module for General Cargo Management*, 09-11/07/2019, **CNIT, ERICSSON, ERICSSON research** , https://www.corealis.eu/wp-content/uploads/2020/03/IPIC2019_Full_Paper_CNIT_ERICSSON_v1.0_20_06_2019_updated.pdf
- **IPIC 2019**, *Poster: Big Data and Data Analytics for Ports of the Future, COREALIS, 09-11/07/2019,* **ICCS, NEC, MOSAIC,** https://www.corealis.eu/wp-content/uploads/2019/07/IPIC2019-Poster-COREALIS_V4.pdf
- **Minisymposium: Mathematics of Logistics: emerging trends in Optimization and Simulation Modelling**, *Port Multimodal Inland mode of transportation predictor & prescriptor*, 22-24/07/2019, **MOSAIC,** hhttps://www.corealis.eu/wp-content/uploads/2019/10/CTMI2019_Mosaic_Factor_20190328v01.pdf
- **1st International Conference on Maritime Transport 2019, Rome, Italy,** *Just-In-Time rail shuttle service feasibility study at the port of Valencia*, 09/2019, **VPF,** https://www.corealis.eu/wp-content/uploads/2019/07/JIT-Rail-Shuttle-edited-Aug-2019-vf.pdf
- **The International Joint Conference on Neural Networks (IJCNN)**, *Diversity-Aware Weighted Majority Vote Classifier for Imbalanced Data*, 19-24/04/2020, **NEC Laboratories,** https://www.corealis.eu/wp-content/uploads/2020/07/Diversity-Aware_Weighted_Majority_Vote_Classifier_.pdf
- **TRA2020**, *Sustainability of port operations: The European ports' attempts to reduce negative environmental impacts*, 27-30 April, **VTT,** https://www.corealis.eu/wp-content/uploads/2020/07/TRA2020_30102019_Hinkka.pdf
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Peer reviewed journal publications

- *Angelos Amditis (ICCS), Athanasia Tsertou (ICCS), Amalia I. Nikolopoulou (ICCS) , Konstantinos Gkiotsalitis (NEC), Meng Lu (DYNNIQ), Evangelia Latsa (SEAB), Elena Krikigianni (SEAB), Ioannis Kanellopoulos (PCT), Salvador F. Pruñonosa (VPF), Ville Hinkka (VTT), Allister Slingenberg (DELTARES)*: **"Port of the Future: A Framework for Sustainable Port Development"**, Sustainability Journal,, (under review process)
- *Paolo Pagano (CNIT), Alexandr Tardo (CNIT), Domenico Lattuca (CNIT), Anna Sessler (ERICSSON), Rossella Cardone (ERICSSON), Luca Stroppolo (ERICSSON research), Marzio Puleri (ERICSSON research), Teresa Pepe (ERICSSON research):* **RTPORT: the 5G-based Model-Driven real Time Module for General Cargo Management,** Journal of Business and Economics, ISSN 2155-7950, USA June 2020, Volume 11, No. 6, pp. 631-646, available at: https://www.corealis.eu/wp-content/uploads/2021/03/RTPORT-5G-based.pdf
- *Pérez-Cervera, C (VPF).; Lu, M. (DYNNIQ); Sánchez-Pérez, A. (VPF); Sáez-Carramolino, L. (VPF); Furió-Pruñonosa, S. (VPF),* **Collaborative Service-Dominant Business -Model Design for a Just-in-Time Rail Shuttle Service at the Port of Valencia,** International Journal of Transport Development and Integration, (under publication process).
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- *Andrea Tesei (CNIT), Marco Luise (University of Pisa), Paolo Pagano (CNIT) & Joaquim Ferreira (Campus Universitario de Santiago),* **Secure Multi-access Edge Computing Assisted Maneuver Control for Autonomous Vehicles**. Accepted in IEEE Open Journal on Vehicular Technology.
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- **Collaborative Innovation Days: "New Global Routes: One Belt One Road Initiative & TEN-T"**, *Moderated session: Disruptive technologies and their impact on the OBOR Initiative,* Athens, Greece, 06/11/2018, **ICCS,**

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- **International Conference on Maritime Transport 2019**, *Moderated session: 'Ports of the Future: Sustainable intelligent ports for smart and autonomous ships and logistics'*, Rome Italy, 10-12/09/2019, **VPF,** https://www.corealis.eu/wp-content/uploads/2019/09/MT19_Presentación_final_compressed.pdf
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- **Article in valenciaplaza.com,** 30/11/2020, **VPF,** https://valenciaplaza.com/el-proyecto-book-a-slot-se-alza-con-el-primer-premio-del-valenciaport-hackathon

Project events

- **Kick-off meeting**, Athens-Greece, 07-08/05/2018, https://www.corealis.eu/index.php/event/corealis-kick-off-meeting/
- **Livorno Focus Group**, Livorno-Italy, 17/07/2018, https://www.corealis.eu/index.php/event/corealis-focus-groups/
- **Haminakotka Focus Group**, Kotka-Finland, 30/08/2018, https://www.corealis.eu/index.php/event/corealis-focus-groups/
- **Piraeus Focus Group**, Piraeus-Greece, 04/09/2018, https://www.corealis.eu/index.php/event/corealis-focus-groups/
- **Antwerp Focus Group**, Antwerp-Belgium, 05/09/2018, https://www.corealis.eu/index.php/event/corealis-focus-groups/
- **Valencia Focus Group**, Valencia-Spain, 25/09/2018, https://www.corealis.eu/index.php/event/corealis-focus-groups/
- **COREALIS 1st plenary meeting**, Antwerp-Belgium, 03-04/10/2018, https://www.corealis.eu/index.php/event/corealis-1st-plenary-meeting/
- **COREALIS 2nd plenary meeting**, Kotka, Finland, 12-13/02/2019, https://www.corealis.eu/index.php/event/corealis-2nd-plenary-meeting/
- **COREALIS 1st webinar**: COREALIS Webinar: Living Labs as a stepping stone to the Port of the Future, 7/3/2019, https://www.corealis.eu/index.php/event/corealis-webinar-living-labs-as-a-stepping-stone-to-the-port-of-the-future/
- **COREALIS 2nd webinar**: Intra-Terminal Operations State-of-the-Art, 14/6/2019, https://www.corealis.eu/index.php/event/corealis-2nd-webinar/
- **COREALIS 3rd plenary meeting**, Athens, Greece, 26-27/06/2019, https://www.corealis.eu/index.php/event/corealis-3rd-plenary-meeting-in-athens-greece/
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- **COREALIS Piraeus Demo & Training seminar**, Webinar, 04/06/2020, https://www.corealis.eu/index.php/event/piraeus-living-lab-training-seminar/
- **COREALIS 6th plenary meeting**, Virtually, 09/06/2020, https://www.corealis.eu/index.php/event/corealis-6th-plenary-meeting-virtual

- **COREALIS Livorno Demo & Training seminar**, Webinar, 19/06/2020, https://www.corealis.eu/index.php/event/livorno-living-lab-training-seminar/
- **COREALIS HaminaKotka Demo & Training seminar**, Webinar, 21/10/2020, https://www.corealis.eu/index.php/event/corealis-webinar-series-haminakotka-
- **COREALIS Valencia Demo & Training seminar**, Webinar, 27/10/2020, https://www.corealis.eu/index.php/event/corealis-webinar-series-valencia-port-empowering-the-port-city-sustainability/
- **COREALIS Antwerp Demo & Training seminar**, Webinar, 10/11/2020, https://www.corealis.eu/index.php/event/corealis-webinar-series-valencia-port-empowering-the-port-city-sustainability/
- **Valencia Hackathon,** Online, 20-27/11/2020, https://www.corealis.eu/index.php/event/valenciaport-hackathon/ and https://www.corealis.eu/index.php/event/valenciaport-hackathon-winners-final-ceremony/
- **COREALIS 7th plenary meeting**, Virtually, 25/11/2020, https://www.corealis.eu/index.php/event/corealis-7th-plenary-meeting-virtual/

Other activities

- **Presentation of COREALIS project to Lemesos Port**, Lemesos, Cyprus, 28-29/03/2019, **ICCS, SEAB** (Joined CAB)
- **Presentation of COREALIS project to INTERMODEL Final General Assembly,** Brussels, Belgium, 10/10/2019, **VTT,** https://www.corealis.eu/index.php/event/corealis-at-intermodel-final-general-assembly-in-brussels/
- **Booth presentation of COREALIS project to ITS Hellas**, Athens, Greece, 17-18/12/2019, **SEAB,** https://www.corealis.eu/index.php/event/its-hellas-2019-in-athens/
- **Booth presentation of COREALIS project to Navigate Maritime Trade Fair,** Turku, Finland, 22-23/01/2020, **VTT,** https://www.corealis.eu/index.php/event/navigate-maritime-trade-fair-2020-in-turku-finland/
- **Booth presentation of COREALIS project to LOGY Conference**, Helsinki, Finland, 06-07/02/2020, **VTT, STEVECO Oy,** https://www.corealis.eu/index.php/event/logy-conference-in-helsinki-finland/
- **ITS Virtual Congress**, *Virtual stand showcasing COREALIS project*, virtual, 09-10/11/2020, **ERTICO,** https://www.corealis.eu/index.php/event/its-european-congress-virtual/

EU media presence

- **The EU blue economy report 2020,** https://blueindicators.ec.europa.eu/sites/default/files/2020_06_BlueEconomy-2020-LD_FINAL-corrected-web-acrobat-pro.pdf
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