



DOCKSTHEFUTURE

defining the concept of "Port of the Future"

Clustering Activities Communication & Dissemination Integrated Strategy

17th of September 2018

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Introduction

Introduction

The Horizon 2020 call (H2020-MG-2016-2017, Topic: MG-7-3-2017) retained four proposals for funding, due to the need for research *"to implement new port concepts, new management models, and innovative design, engineering, construction and operation technologies solutions for full customer, stakeholder and citizen satisfaction"*.

The purpose of the call was two-fold: on the one hand, to implement Research and Innovation Actions to address topics such as, but not limited to, multi-modal optimised cost-effective operations, sustainable maintenance, low environmental impact and, on the other hand to implement a Coordination and Support Action with a view to cluster retained proposals, projects, reports, scientific papers (among others), identify appropriate Key Performance Indicators all of which with the ultimate goal of defining the concept(s) of Ports of the Future. The four proposals retained for funding under the topic MG-7-3-2017) were **DocksTheFuture (CSA), COREALIS (RIA), PIXEL (RIA) and PortForward (RIA)**.¹

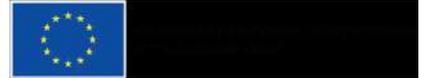
Following the expectations of the European Commission, to reach the expected foreseen impacts, namely *"reduction of impact on climate change and the environment of port activities, their operational and infrastructural costs, improvement of logistics efficiency and better integration of the port in the surrounding socio-economic area, including city-port relations and the smart urban development of Port Cities (..)"*² the four projects, hereafter referred to as **Ports of The Future Projects**, have engaged in collaborative work.

The **pursuance of a collaborative and integrated approach between the projects in relation to both their technical outputs and communication/dissemination strategy aims at capitalising on the synergies between the projects with a view to be as impactful as possible**. Henceforth, by implementing a collaborative approach, the **Ports of The Future Projects** Clustering of Activities Mechanism is guided by the following objectives:

- To maximise the impact of the communication and dissemination of results amongst the relevant stakeholders by joining forces, rather than having each project operating individually;
- To exchange technical information between the four projects to contribute for a cross-fertilisation of results leading to a stronger, more accurate vision of the Ports of The Future in 2030;
- To highlight the importance of EU funding programmes in supporting European Research and Innovation able to stand out in an ever-changing world, where top-notch R&D has become the standard;
- To fulfil the European Commission's expectation of an integrated collaborative approach between the four projects, namely, with regards to the tight-knit relation between the approved CSA (DocksTheFuture) and RIAs (COREALIS, PIXEL and PortForward).

¹ Horizon 2020 Work Programme 2016 2017
http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-transport_en.pdf, last accessed 06/08/2018

² *Ibid.*



The current document provides an overview of the initial strategy for communication and dissemination for the clustering of activities of the **Ports of The Future Projects, addressing matters such as but not limited to:** communication and dissemination integrated strategy, social media and cross-promotion, participation in events, interaction with European Technology platforms and presenting an initial roadmap of activities, all with the goal contributing to reach the aforesaid objectives. The laid-out strategy is the result of strategy meetings, which counted with the participation of representatives from each project.

However, the document at hand is, under no circumstance, a closed one. The document is a living document, subject to changes as the project implementation is rolled-out, with the expectation for adaptation considering the specificities of the projects' implementation and unforeseen challenges/opportunities.

The Ports of The Future Projects

The Ports of The Future Projects

As aforesaid, four projects were retained for funding under the Horizon 2020 call 2016-2017, topic Port of The Future: **DocksTheFuture (CSA)**, **COREALIS (RIA)**, **PIXEL (RIA)** and **PortForward (RIA)** (figure 1). This section provides a short description of each of the **Ports of The Future Projects**.³

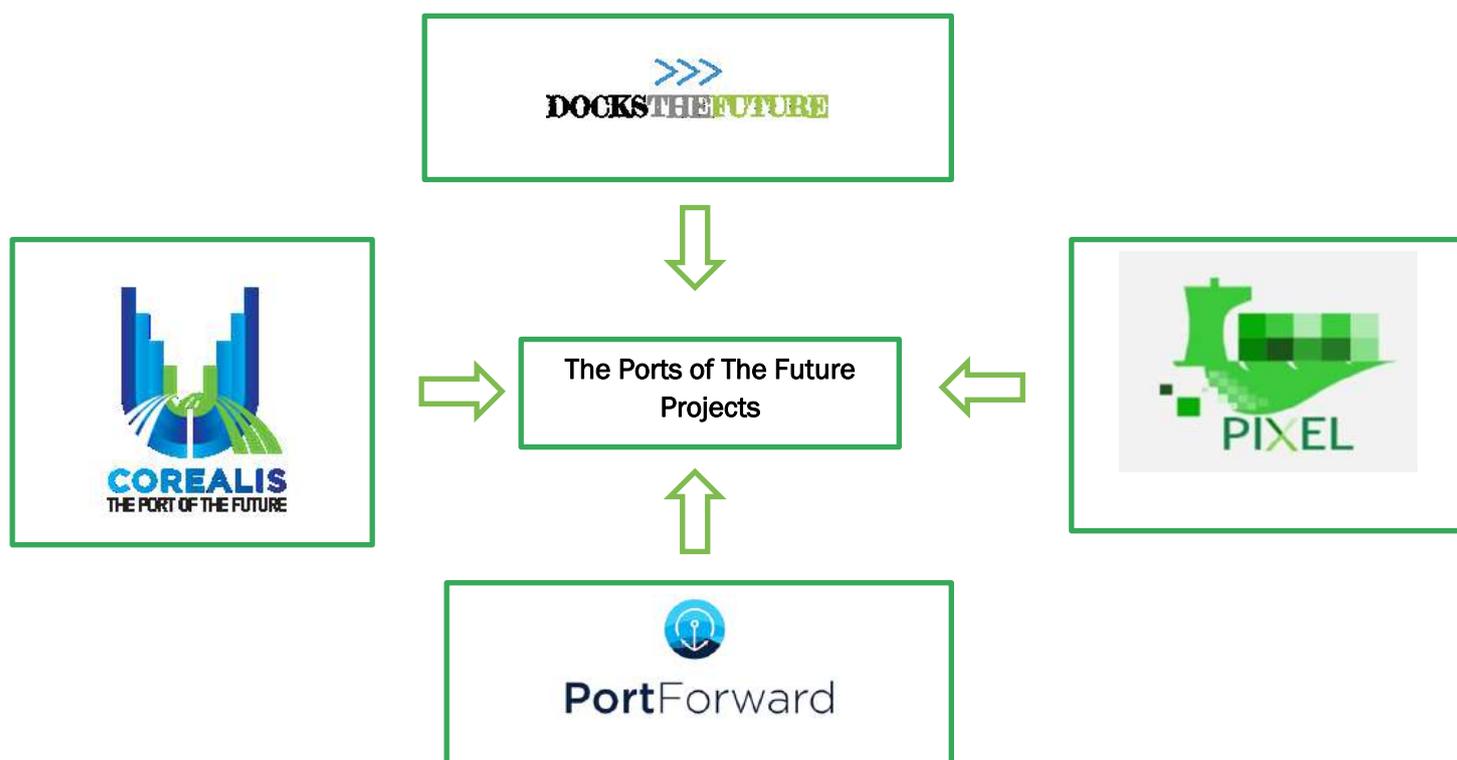


Figure 1 Port of The Future Network

DocksTheFuture



Name: DocksTheFuture

Duration: January 2018 – June 2020 (30 months)

EU Contribution: EUR 1 275 562,50

³ The section includes a short individual overview of each one of the projects. However, the preparation of a document which will account for an interconnected description of the projects is foreseen in the near future – the so-called document of presentation of the Ports of The Future Projects (see section Preliminary Roadmap of Activities 2018-2019).



Grant Agreement Number: 770064

Project Coordinator: Alexio Picco (Circle - Italy), picco@circletouch.eu

DocksTheFuture will contribute to the European Union's policy to increase the integration of maritime transport and TEN-T Ports into the global logistics chain.

DocksTheFuture will receive, from the European Commission, a contribution of about 1.2 million Euros, **to define the Port of the Future**, meant as a near future (2030), which should face challenges related to **simplification and digitalisation of processes, dredging, emission reduction, energy transition, electrification, smart grids, port-city interface and the use of renewable energy management.**

In particular, DocksTheFuture:

- **Refines** and tunes the Port of Future concepts, the Port of the Future topics and their related targets in 2030 and the list of projects to be clustered together with the COREALIS, PIXEL and PortForward projects;
- **Identifies** appropriate KPIs ("Key Performance Indicators") and relevant monitoring and evaluation of action results;
- **Leads** to the "Port of the Future Road Map for 2030" that includes a number of exploitation elements, such as tools for evaluation and transferability of Port of the Future solutions, R&D and policy recommendations, training packages and the creation of a "Port of the Future Network of Excellence".

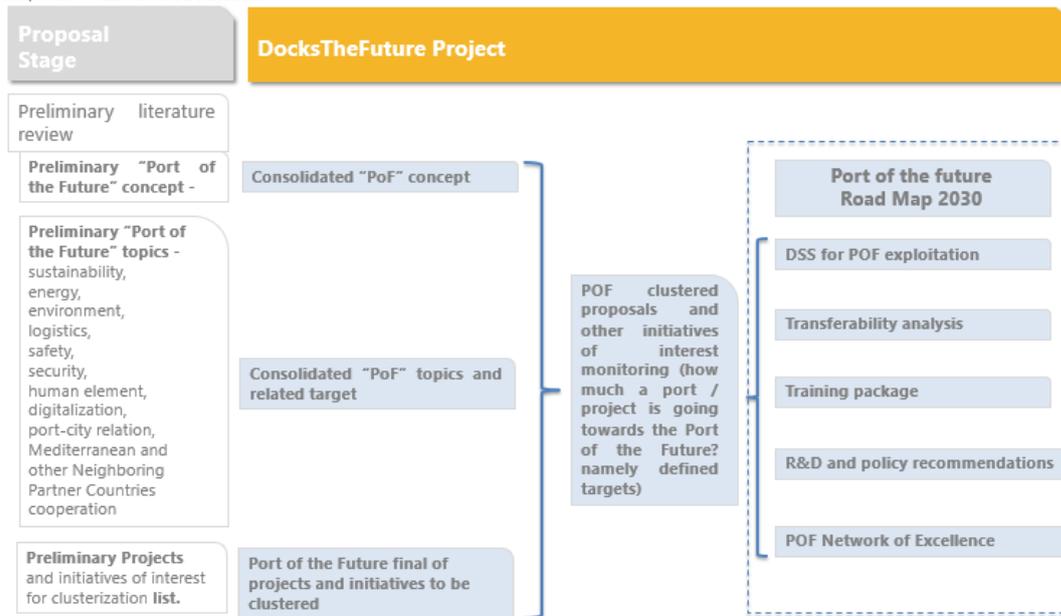


Figure 2 DocksTheFuture concept

The **DocksTheFuture Project** also entails a Communication and Dissemination Plan addressing all TEN-T Core and Comprehensive Ports and main port stakeholders. The proposal addressed a preliminary research on the Port of Future concept, the definition of several Port of the Future topics to be addressed and their related targets in 2030 and a preliminary list of projects that could potentially be clustered together with the Research and Innovation Actions retained proposals.

COREALIS



Name: COREALIS - Capacity with a pOsitive enviRonmEntal and societAL footprint: portS in the future era

Duration: May 2018 – April 2021 (36 months)

EU Contribution: EUR 5 150 540

Number of partners: 17



Grant Agreement Number: 768994

Project Coordinator: Angelos Amditis (ICCS – Greece), a.amditis@iccs.gr

COREALIS is developing an innovative framework for assisting cargo ports in handling their upcoming and future capacity, traffic, efficiency and environmental challenges. It is benefitting from disruptive technologies, including Internet of Things (IoT), data analytics, next generation traffic management and emerging 5G networks.

COREALIS is implementing beyond state of the art, financially viable innovations for future ports. These will optimise the port land use, requiring minimum infrastructure upgrades, while at the same time respect circular economy principles and improve the urban life quality. The innovations will be implemented and tested in real operating conditions in 5 Living Labs (Piraeus, Valencia, Antwerp, Livorno and Haminakotka ports) and are briefly named below:

- ***The COREALIS Green Truck Initiative, that implements:***
 - i) A dynamic Truck Appointment System aiming to coordinate and optimise the arrival of trucks according to the city traffic, terminal and other operations in the port area, so that queues, waiting times and congestion are minimised*
 - ii) The Marketplace and chassis brokerage platform allowing online booking of port equipment and services*
- ***The COREALIS PORTMOD, aiming to increase operational efficiency, safety for personnel, emission analysis and improved data sharing by modelling and optimizing cargo and data flows within a port***
- ***The COREALIS RTPORT, that implements a system for real time control of port operations over a 5G network***
- ***The COREALIS Predictor, for a dynamic and optimized port asset management.***
- ***The COREALIS Cargo Flow Optimizer, aiming to facilitate the port managers and urban planners in their infrastructure investment planning by optimizing cargo flows across all transport modes***
- ***The COREALIS Port of the Future Serious Game, aiming to assess the feasibility and sustainability of the socio-economic and environmental development of a port within the surrounding coastal and urban area.***
- ***The COREALIS Green Cookbook, aiming to help ports to lower their environmental footprint, assess their energy profiles and move to cleaner transport modes and cleaner energy sources.***
- ***The COREALIS Innovation Incubator Scheme, aiming to make the port the epicentre of the local industrial landscape and support the growth of local entrepreneur SMEs and startups.***

COREALIS is expected to achieve a significant reduction of both CO2 port emissions & noise. It will also reduce operational port costs (congestion, waiting and idle times), and establish more efficient connections with the hinterland transport network, improving the modal split to rail and inland waterways.

The aforementioned innovations are also briefly depicted in the figure below:



Figure 3 COREALIS innovations

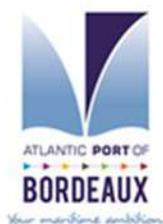
These port-driven technological and societal innovations are tailored to realise COREALIS high level objectives, which are focused on:

- O1. Embracing **circular economy** models in its port strategy and operations.
- O2. Reducing the port's total **environmental footprint** associated with intermodal connections and the surrounding urban environment for three major transport modes, road/truck, rail and inland waterways.
- O3. Improving **operational efficiency**, optimising yard capacity and streamlining cargo flows without additional infrastructural investments.
- O4. Enabling the port to take informed medium-term and long-term **strategic decisions** and become an innovation hub of the local urban space.

PIXEL



Name: PIXEL - Port IoT for Environmental Leverage
Duration: May 2018 – April 2021 (35 months)
EU Contribution: EUR 4 890 222,50
Number of partners: 15



Grant Agreement Number: 769355

Project Coordinator: Carlos E. Palau (UPV - Spain)

PIXEL leverages an IoT based communication infrastructure to voluntarily exchange data among ports and stakeholders to achieve an efficient use of resources in ports.

PIXEL is the first modular solution combining strong methodology and smart technology for small and medium port ecosystems enabling optimization of operations through IoT while reducing environmental impact.

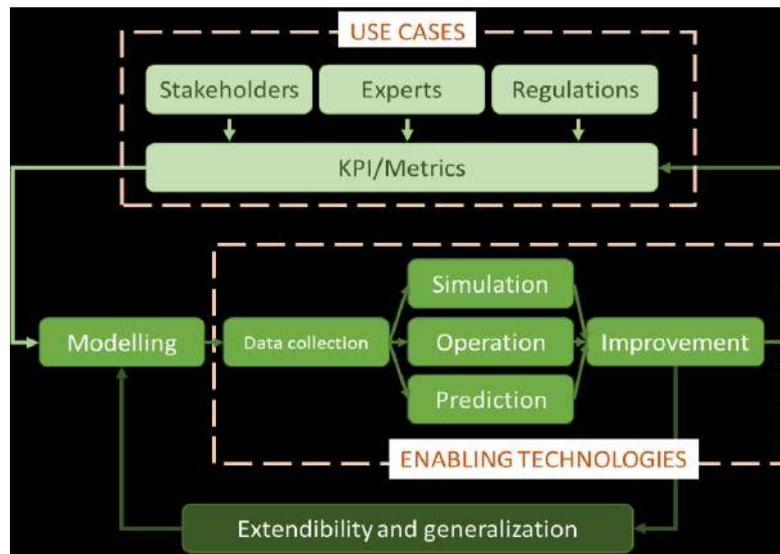
PIXEL proposes a new conceptual and technology development relying on information sharing and IoT to achieve those objectives and ambitions. Pillars established:

- Enhancing the acquisition, processing and communication of operational data to be potentially gathered and leveraged for optimising multi-modal-ports activities;
- Need of decreasing ports' environmental impacts;
- Enabling small and medium size ports to contend with the larger ones achieving flexible operations, better capacity management and empowering port-city relation by adequate technology enablers.



Built on top of the state-of-the art interoperability technologies, PIXEL will centralise data from the different information silos where internal and external stakeholders store their operational information. PIXEL leverages an IoT based communication infrastructure to voluntarily exchange data among ports and stakeholders to achieve an efficient use of resources in ports by the following points:

- Close the gap between small and large ports by providing an easy-to-use open source smart platform for operational data interchange;
- Migrate from document-centric management systems to data-centric interoperable systems;
- Reduce environmental impact in Port Cities and surrounding areas by improving the knowledge and control of the port operations, optimizing processes and improving management;
- Focused on small-medium ports innovation;
- Improve the energy efficiency of the ports, promote the use of clean energies, improve logistics processes, increase the environmental awareness of all the stakeholders involved and, in general, contribute to reduce the carbon footprint and the environmental impact of the ports and port-related activities.



PortForward



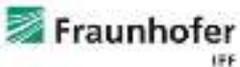
PortForward

Name: PortForward: Towards a green and sustainable ecosystem for the EU Port of the Future

Duration: July 2018 – December 2021 (40 months)

EU Contribution: EUR 4 994 311,25

Number of partners: 13

Fraunhofer IFF	DE	
Acciona	ES	
Brunel University London	UK	
IMEC	BE	
LEITAT	ES	



Ubimax	DE	
Core Innovation	EL	
Port of Vigo	ES	
Port of Baleares	ES	
MARTE	IT	
Port of Livorno	IT	
Port of Kristiansand	NO	
Port of Magdeburg	DE	

Grant Agreement Number: 769267

Project Coordinator: Christian Blobner (Fraunhofer IFF - Germany)

The Port of the Future will be able to enhance sustainable development and to manage the resources to be invested and their employment for a competitive advantage.

The **Port of the Future** must be oriented to port community and have an operative strategic capability to work, in line with European purposes, on the following:

- Smart, employing ICT solutions to improve information flows between ports and port communities;
- Interconnected, combining different modes of transport and integrating different technologies to better monitor and control freight flows;
- Green, adopting green technologies to reduce the environmental impacts of port operations and save resources.



Smart Port



Green Port



Interconnected Port

All in all, sustainable development is the present and future for ports that want to lead the industry supported by three cornerstones: Operational Excellence, Insightful Collaboration with partners through the supply chain, and top-notch Safety, Health and Environmental practices.

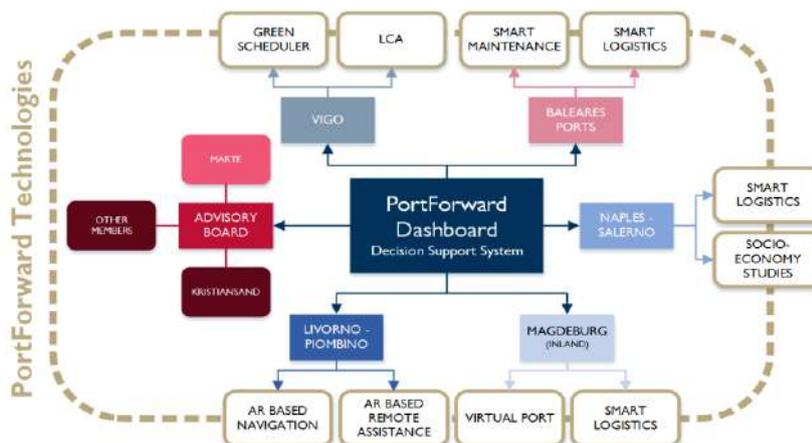
PortForward proposes a holistic approach that will lead to a smarter, greener and more sustainable port ecosystem. It addresses the following port needs and challenges:

- Lack of **efficiency in operations** with heterogeneous freights (roll-on/roll-off cargo, containers)
- Need for **real time monitoring** of freight flows with end-to-end track-and-trace solutions to optimize port activities
- Need for **remote monitoring and management** of important port operations, such as maintenance scheduling, cargo and passenger traffic, especially for **short sea shipping** cases
- Interconnection with **hinterland transportation** with special focus on **inland waterways**
- Interface with the surrounding **urban environment**
- Experience sharing and **transferability** to other intermodal transport hubs
- **Environmental impact** reduction using green technologies and energy solutions saving

To do that PortForward uses state of the art Technologies:

- An IoT concept for port assets (infrastructure, vehicles, cargo, people and processes)
- Sensor deployment using equipment such as cameras and multi-modal tracking devices.
- Interconnection into one seamless, versatile and secure IoT network
- Remote management and intelligent maintenance tool
- Virtual Port tool embedded in the PortForward Dashboard providing centralized control and alternative visualisations
- Novel smart logistics platform with a decision support system (DSS)
- Environmental and energy monitoring/ optimisation system using the novel concept of Green Yard Scheduling
- Augmented reality (AR) for pilot assistance and remote assistance to workers/operators
- The socio-economic analysis of the port interface with its surrounding area and the port-city, as well as the rest of the logistics value chain.

We are targeting to implement our solutions in 5 European ports and port complexes, while an Advisory Board will be formed to provide guidance and support throughout the project.



**Communication &
Dissemination
Integrated Strategy**

Communication & Dissemination Integrated Strategy

The current section presents the initial decisions regarding the integrated strategy for communication and dissemination of the **Ports of The Future Projects**, as a result of a series of interactions, including information on the meetings foreseen, social media & cross promotion, events & conferences/sharing of information & results and interaction with the European Technology Platforms and other stakeholders.

Meetings

The **Ports of The Future Projects** have established that a two-monthly conference call will be held in order to align and fine-tune the strategy, to assess the state of play of the deployment of the communication & dissemination strategy, to plan forthcoming activities and to make decisions deemed necessary.

The first two meetings of the **Ports of The Future Projects** took place on the 8th of June and 27th of July, respectively, after the decision to collaborate having been made during the kick-off meeting of COREALIS, in Athens, on May 7th-8th.

For the purposes of the meetings, at least one person from each project in charge of matters related with communication and dissemination tasks should attend. However, this does not preclude that other project partners, not directly related with the matters of communication and dissemination, from participating should it be deemed necessary or should they show interest in attending. Furthermore, prior to the meetings, an agenda will be circulated for feedback and, after the meeting, minutes will be drafted including the main discussions and decisions/next steps.

Even though the meetings are supposed to be done via conference call, whenever it is possible the projects will meet face-to-face, for instance, taking advantage of events in which representatives from each project are present.

Social Media & Cross Promotion

Nowadays, Social Media is key to promote information and to get the message through to a wider audience. Such is the case in every sector, also being applicable when it comes to communicating and disseminating the results of European funded projects. Bearing that in mind, each one of the **Ports of The Future Projects** have set-up their own Social Media pages (i.e. website, Twitter, LinkedIn, Facebook, YouTube), to be regularly updated, to reach a wider number of individuals included in the pre-identified target audiences.

Hereafter, the Social Media pages' hyperlink for each project are presented:



<http://www.docksthefuture.eu>

[@DocksTheFuture](#)

[@DocksTheFuture](#)

[@Docks The Future](#)



<https://www.corealis.eu/>

[@corealis_eu](#)

[@COREALIS_EU](#)

[@COREALIS EU Project](#)



<http://pixel-ports.eu/>

[@PortsPixel](#)

[@PixelPorts](#)

[@PixelPorts](#)

[@Pixel-Ports](#)

[/PIXEL-PORTS](#)





[@Portforward_eu](#)

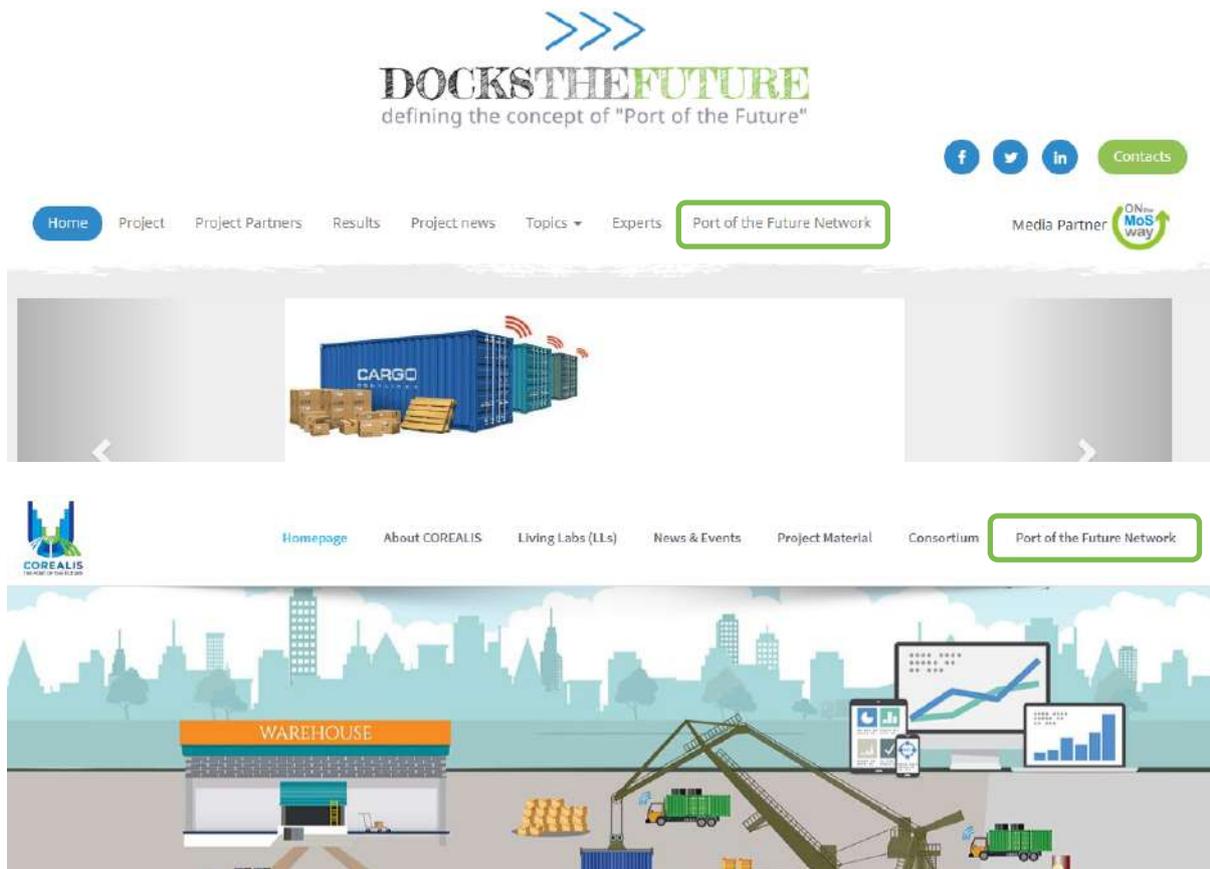
[@PortForward-Project](#)



PortForward

The Ports of The Future Projects agreed to deploy an integrated Social Media action, allowing for cross-promotion. Therefore, the following decisions have been made and are currently being implemented:

- The use of common hashtags. The common hashtag for clustering activities will be **#PortsoftheFuture**;
- The projects will mention and tag each other in their posts. Furthermore, the projects will also share each others' posts;
- All projects have or will create a tab on their website, named **Port of the Future Network**, where a short description, logo and link to the other projects will be included (see images below):





- If possible, **all projects** will publish one piece of news per month in their websites regarding the other projects (this could refer to the kick-off of projects, participation in events; to disseminate projects results, among others).

Events & Conferences/Sharing of Information & Results

One of the most effective strategies to directly reach the target audiences is to engage them directly either through presentations, booths and visits to international conferences or by the organisation of project related events. Therefore, the strategy to be deployed in this domain serves a three-fold purpose:

1. To allow the **Port of The Future Projects** to be able to reach a higher number of stakeholders;
2. To endow the **Port of the Future Projects** with higher visibility/impact;
3. To maximise the budget each project has allocated for this purpose.

The main initial decisions have been made:

Events/Conferences

- A **common list of events for the four projects** has been created and will be updated accordingly:
 - a. The list includes only international events and conferences but also foreseen dates of internal meetings of each project and/or foreseen workshops.

Figure 4 list the pre-identified events by the four **Ports of the Future Projects** and indicative actions to be taken in each one of them. Nonetheless, the list is a working document, constantly updated throughout the duration of the projects and adapted to the needs of the network.

Ports of the Future Projects - Indicative List of Events						
Event	Location	Date	Booth	Presentation	Visit	Poster
Syncho-net conference	Valencia, Spain	27th September 2018			x	
ITS World	Copenhagen, Denmark	17-21 September 2018	x	x		
ChainPort Hackathon	Antwert	11-13 October 2018	x			
Green Port Congress	Valencia, Spain	16-19 October 2018	tbc			x
DocksTheFuture Workshops with experts	Porto, Portugal	29-30 October 2018				
New Global Routes: One Belt One Road Initiative	Athens, Greece	6th November 2018		x		
Shipping and Intermodal Transport Forum	Genoa, Italy	November	x	x		
Munich Transport Logistic	Munich, Germany	4-7 June 2019		x		
26th ITS world congress	Singapore	21-25 October 2019				
IoT Week 2019	Aarhus, Denmark	17-21 June 2019		x		
DocksTheFuture MidTerm Conference	Brussels, Belgium	March/April 2019		x		
Collaborative Innovation Days	tbc	September - October 2019		x		
Pixel 4th Plenary	tbc	tbc		X		
COREALIS MidTerm Plenary	tbc	October/November 2019		x		
Polis annual conference	tbc	2019	x	x		
Genoa Shipping Week	tbc	2019		x		
European Shipping Week	Rotterdam, Netherlands	2019				
Euromaritime	tbc	2019		x		
Europort Rotterdam	Bilbao, Spain	2020	x	x		
Nor Shipping	tbc	2020		x		
Future Port Bilbao	tbc	2020	x			
Forum Shipping & Intermodal Transport	tbc	2020				
Green Port Congress	tbc	2020				
ESPO event 2020	tbc	2020				
World conference on cities and ports	tbc	2020				
DocksTheFuture Final Conference	Brussels, Belgium	May/June 2020		X		
PIXEL Code-camp	tbc	November/December 2020				
COREALIS Hackathon	tbc	January/February 2021		X		
PortForward thematic workshops	tbc	tbc		X		
PortForward Interim workshop and final conference	tbc	tbc		X		

Figure 4 Ports of The Future Network – Indicative List of Events

- At a later stage the projects will have common booths in events to maximise their visibility and the communication budget. This will allow the **Ports of The Future Projects** to be presented as a network and to answer to the European Commission's expectations;
- For the **DocksTheFuture Midterm (March/April 2019) and Final (May/June 2020) Conferences⁴**:
 - a. DocksTheFuture will allocate dedicated timeslots for the COREALIS, PIXEL and PortForward and DocksTheFuture could have a timeslot in their events.
- For **COREALIS Focus Groups (July-Sept 2018)**:
 - a. COREALIS' focus groups are open knowledge transfer events, where stakeholders as well as representatives from PIXEL, PortForward and DocksTheFuture are encouraged to participate and share their views on the Port of the Future concept, challenges and barriers.

⁴ Furthermore, for the purposes of these conferences, speakers from relevant entities will be invited to speak (i.e. INEA, DG MOVE, ETPs, Port Representatives, etc.).

- For **COREALIS Midterm Plenary (Oct-Nov 2019)**:
 - a. COREALIS envisages to possibly dedicate a specific timeslot during its Midterm plenary meeting for the Port of the Future Network (DocksTheFuture, PIXEL and PortForward)
- For **COREALIS Hackathon (Jan-Feb 2021)**:
 - b. COREALIS will invite all the three Port of the Future projects (DocksTheFuture, PIXEL and PortForward) to take part in the COREALIS Hackathon challenge, where participants will present innovative concepts related to the '*Innovative & disruptive technologies for the promotion of circular and bio-based economy, renewable energy and sustainable infrastructure in ports*'
- For **PIXEL 4th Plenary (Sept/Oct. 2019)**:
 - a. PIXEL plans to reserve a timeslot related to the advances and news from the Ports of the Future Network, inviting DocksTheFuture, COREALIS and PortForward to present their initiatives.
- For **PIXEL Code-camp (Nov/Dec 2020)**:
 - b. PIXEL will invite all three Port of the Future projects (DocksTheFuture, COREALIS and PortForward) to be present in the PIXEL code-camp. The objective of this event will be foster the software development agility and enhance the overall knowledge of IoT tools in small-medium ports. Some presentations are planned to be celebrated in parallel, so contribution from other EU H2020 projects will enrich the event.
- For **PortForward thematic workshops** (throughout the project):
 - a) Each workshop will focus on one of the project's use cases and will involve regional and international stakeholders, aiming to produce a roadmap for upscaling the solutions, ensure market uptake and the replicability of the PortForward systems for the various types of ports involved. Partners from all PoF projects will be invited to participate and actively contribute
- For **PortForward Interim workshop and final conference**:
 - b) The goal will be to align dissemination of the results to the relevant stakeholder communities and the scientific community. Partners from all projects will be invited.

Nonetheless, the cross-fertilisation between the **Ports of The Future Projects** is already under way, namely:

- New Global Routes: One Belt Road Initiative, 6th of November, in Athens, Greece: event organised between ICCS (the coordinator of COREALIS) and ALICE – Alliance for Logistics Innovation through Collaboration in Europe: the other projects have been invited to participate in the poster presentation;
- DocksTheFuture Workshops with Experts, taking place on the 29th – 30th of October, in the Port of Leixões, Portugal: The objective is to conduct a series of specialised workshops (per topic) in order to discuss the preliminary results of Work Package 1 – Port of The Future: definition of the concept. The other projects have been invited to participate in one of the workshops.

In addition to the participation in events and in the foreseen events in the timeline of each one of the **Ports of The Future Projects**, there is the possibility of the projects organising additional events in collaboration, which shall be further discussed. However, initial steps have been made for the organisation of side events, namely through the close collaboration with ALICE –

Alliance for Logistics Innovation through Collaboration in Europe (for more information see section *Interaction with the European Technology Platforms and other stakeholders*).

Production of documents

- A document providing an overview of the **Ports of The Future Projects** will be produced. This document will include an integrated overview of the four projects, their common goals, their added value and will serve as a unique document presenting the cluster whilst serving a two-fold purpose: a) for the purposes of common participation in events and b) for the contacts to be established directly with stakeholders (i.e. ALICE, Waterborne...).

Sharing of Information

On a different note, one of the main perks of the collaboration between the **Ports of the Future Projects** is the sharing of information, which will lead to, on the one hand, a streamlined monitoring of projects' results for the purposes of dissemination and, on the other, for cross-fertilisation of knowledge which can inform each project's work. For this purpose, the following decisions have been made:

- At a later stage, the projects will define specific procedures for the sharing of results;
- A common Google Drive folder has been created to make it easier for the four projects to share information;
- The **Ports of The Future Projects** which foresee launching questionnaires and/or surveys will coordinate this effort to avoid duplication of work. The results of said questionnaires and/or surveys will be shared between the projects and the dissemination will be done in an integrated matter. Regarding this matter, DocksTheFuture foresees the launch of a stakeholder consultation in September. Before doing so, the project will share the proposed list of questions with the other projects to avoid duplication;
- The projects have already exchanged some information, namely:
 - Fact Sheet sent by DocksTheFuture for the purposes of the work foreseen in WP1;
 - GANTT charts (with Milestones) so that all projects are aware of when results will be ready for the purposes of communication and dissemination.

Interaction with the European Technology Platforms and other stakeholders

Despite the fact that the Ports of The Future Projects address different specific topics, considering that all of them contribute for the same purpose, it is only natural that the majority of target audiences overlap. For the success of the communication, dissemination and exploitation of results within the scope of a European Project it is essential to reach out to the corresponding target groups, engaging them as much as possible.

Having that said, each project has foreseen particular interactions with specific stakeholders of relevance. In the pursuance of a collaborative approach, the **Ports of The Future Projects** will lay the ground work to foster a close relationship with European Technology Platforms (ETPs) and other stakeholders. In this sense, initial steps have been made to set up a collaboration mechanism between the **Ports of the Future Projects** and **ALICE**, with a first meeting taking place on the 18th of July.



The first meeting consisted of a presentation of each of the projects, their goals, and ALICE's expression of interest in collaborating closely with the network. One of the main conclusions of the meeting was the possibility of ALICE organising the Collaborative Innovation Day 2019 counting with the support of the **Ports of The Future Projects**. The format and specific context in which said collaboration could occur are yet to be determined. Additionally, those involved came to an agreement regarding the sharing of information between the projects and ALICE. The conditions under which this collaboration need to be fine-tuned and will take place will be discussed further down the line.

The **Ports of The Future Projects** intend to adopt a similar strategy with other ETPs and other stakeholders (i.e. Waterborne). This is a task that shall be further discussed down the line with the scheduling of a series of initial meetings.

Overview of next steps

The current section lists the steps to be taken for the purposes of deploying the integrated communication and dissemination strategy, in the near future, such as:

- Two monthly conference call meetings (foreseen for September and November 2018);
- Continued cross-promotion in Social Media (Twitter, Facebook, LinkedIn, Website);
- Participation of COREALIS, PIXEL and PortForward in DocksTheFuture workshops with experts (29th – 30th of October in the Port of Leixões, Portugal);
- Participation of the Ports of The Future Projects in the New Global Routes: One Belt Road Initiative event with a poster presentation (6th of November, in Athens, Greece);
- Production of a document providing an overview of the **Ports of The Future Projects**;
- Cross-sharing of information regarding the launch of questionnaires/surveys/stakeholder consultations;
- Continued contacts with ALICE – Alliance for Logistics Innovation through Collaboration in Europe for the deployment of an integrated strategy;
- Establishing contacts with other ETPs and stakeholders (i.e. Waterborne).

**Preliminary
Roadmap of
Activities 2018 -
2019**

Preliminary Roadmap of Activities 2018 – 2019

The following GANTT chart presents the preliminary activities foreseen within the **Clustering Activities of the Ports of The Future Projects** between January 2018 and June 2019 (subject to changes):

Activity	Participants	2018												2019					
		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18
		jan	feb	mar	apr	may	jun	jul	ago	set	oct	nov	dez	jan	feb	mar	apr	may	jun
Social Media & Cross-Promotion		All projects																	
Creation of Ports of The Future Network Tab in website	PortForward																		
Meetings		All projects																	
Ports of The Future internal meetings	All projects																		
Meetings with ALICE	All projects																		
Meetings with WATERBORNE	All projects																		
Events		All projects																	
Finalisation of shared list of events	Pixel and PortForward																		
DocksTheFuture Workshops with Experts (Porto, 29-30 November)	All projects																		
Shared participation at Green Port Congress (Valencia, 19-20 October)	DocksTheFuture & COREALIS																		
Poster session: New Global Routes: One Belt One Road Initiative (Athens, 6 November)	All projects																		
DocksTheFuture MidTerm Conference	All projects + ALICE																		
Joint Organisation Collaborative Innovation Days	All projects																		
Shared participation at Transport Logistics Munich (June 2019)	All projects																		
Sharing results/information		All projects																	
Creation of Shared Google Drive Folder	DocksTheFuture																		
Update of the Google Drive Folder	All projects																		
Completion of Fact Sheets	PortForward																		
Sharing of GANTT charts	COREALIS, PIXEL, PortForward																		
Finalisation of Clustering Activities Communication & Dissemination Strategy	All projects																		
Drafting of document presenting the Port of The Future Projects	All projects																		

Caption

Confirmed Activities
Activities To be Confirmed



Conclusions

Conclusions

All in all, the present document fulfils the purpose of presenting the overall mechanism of coordination for the clustering of activities of the **Ports of The Future Projects**. Hence, the document provides information about the following aspects;

- Introduction to the overall logic of collaboration;
- Short description of each of the **Ports of The Future Projects**;
- Initial decisions regarding the Communication & Dissemination Integrated Strategy: meetings, social media & cross promotion; events & conferences/sharing of information & results, interaction with the European Technology Platforms and other stakeholders;
- Preliminary Roadmap of Activities 2018 – 2019.

The deployed strategy has the ultimate purpose of maximising the impact and visibility of the **Ports of The Future Projects**, by reaching the following objectives:

- To maximise the impact of the communication and dissemination of results amongst the relevant stakeholders by joining forces, rather than having each project operating individually;
- To exchange technical information between the four projects to contribute for a cross-fertilisation of results leading to a stronger, more accurate vision of the Ports of The Future in 2030;
- To highlight the importance of EU funding programmes in supporting European Research and Innovation able to stand out in an ever-changing world, where top-notch R&D has become the standard;
- To fulfil the European Commission's expectation of an integrated collaborative approach between the four projects, namely, with regards to the tight-knit relation between the approved CSA (DocksTheFuture) and RIAs (COREALIS, Pixel and PortForward)

The document will be updated and revised over the course of the project's implementation to ensure that the strategy accounts for every specificity, challenge and opportunities that may arise.

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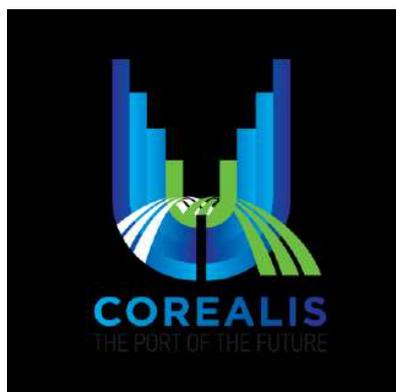
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