

 **Interreg** 
EUROPEAN UNION
Danube Transnational Programme
DIONYSUS

**Integrating Danube Region into Smart & Sustainable Multi-modal
& Intermodal Transport Chains**

**OT 3.7 Stage 1 - Project
Capitalisation Strategy**

Version 1.0

[Date: 14/12/2020]

FINAL

T3.7_DIONYSUS_Project
Capitalisation Strategy_final_1.0

Document History

Version	Date	Authorised
0.1	03.12.2020	PDM
1.0 - final	14.12.2020	PDM

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2 Abbreviations

Abbreviation	Explanation
D	Deliverable
DAPhNE	Danube Port Network project (2017-2019)
DINA	Digital Inland Waterway Area
DTLF	Digital Transport & Logistics Forum
DPN	Danube Ports Network
DG MOVE	Directorate-General for Mobility and Transport
DG REGIO	Directorate-General for Regional and Urban Policy
DR	Danube Region
EC	European Commission
EFIP	European Federation of Inland Ports
eFTI	Electronic freight transport information
EHOO	Port of Ennshafen
EUSDR	EU Strategy for the Danube Region
FTTE	University of Belgrade – Faculty of Transport and Traffic Engineering
HFIP	Hungarian Federation of Danube Ports
IWT	Inland Waterway Transport
MPAC	Maritime Ports Administration Constanta
NAIADES 3	Sets out the programme for policy action in the field of inland waterway transport for the period 2021-2027.
ONMU	Odessa National Maritime University
PA	Priority Area
PAV	Port Authority Vukovar

Abbreviation	Explanation
PDM	Pro Danube Management GmbH
R1	DIONYSUS project reporting period 1 (July-December 2020)
R2	DIONYSUS project reporting period 2 (January-June 2021)
R3	DIONYSUS project reporting period 3 (July-December 2021)
R4	DIONYSUS project reporting period 4 (January-June 2022)
R5	DIONYSUS project reporting period 5 (July-December 2022)
T1	DIONYSUS workpackage T1 Transport Corridors & IWT Markets
T2	DIONYSUS workpackage T2 Danube Inland & Sea Ports Analysis & Recommendations
T3	DIONYSUS workpackage T3 Integrated Port Development
T4	DIONYSUS workpackage T4 Pilot Cases

3 Introduction

The present capitalisation strategy proposes a detailed insight into the planned activities meant to foster the creation of knowledge inside the DIONYSUS project as well as to facilitate its transfer towards external stakeholders. At the same time, dedicated know-how will be collected from various experts active in the field of IWT and related industries by means of the manifold meetings and workshops foreseen during the entire implementation period of the DIONYSUS project.

The strategy shall be implemented with the support of the Danube Ports Network (DPN), a platform aiming to enable cooperation between Danube inland and maritime ports addressing complex issues facing the port sector. The project DAPhNE (www.interreg-danube.eu/daphne) has provided the adequate support for the first year of the pilot operation of the network covering 1st of July 2018 to 30th of June 2019.

Following the five period of implementation of the DIOMYSUS project, this document outlines the capitalisation activities closely linked to the progress of the project partners. Synergies arise between all foreseen activities, therefore the capitalisation process shall be a smooth one.

The capitalisation strategy consists of two dedicated parts, namely an internal chapter and a chapter focused on external activities. The internal part represents a matrix with combines efficiently all activities from all four content related DIONYSUS workpackages (T1 Transport Corridors & IWT Markets, T2 Danube Inland & Sea Ports Analysis & Recommendations, T3 Integrated Port Development, T4 Pilot Cases). The external affairs focused part displays the interactions with the external stakeholders as well with several relevant entities such as the EUSDR PA1A, NAIADES 3 working group, etc.

The foreseen events touching on topics like container liner services, transport corridor connections, port pricing systems, river cruise industry, etc. will bring in valuable inputs from industry representatives which shall contribute to the shaping of project outputs.

A special attention is given to the Danube Ports Days annual events (2020, 2021, 2022) which shall continue the good practice started by the DAPhNE project bringing together port experts from the Danube Region and beyond to discuss and debate port development related topics such as digitalisation, integrated logistics solutions, energy efficiency, alternative fuels, etc.

Likewise important is the Policy Enquete planned towards the end of the project (2022) which shall be organised in Brussels together with experts from DG MOVE, DG REGIO and DG AGRI. This will be a high visibility event mean to debate on the integration of rural, regional and transport development policies for the assessment of the IWT potential and port infrastructure and superstructure needs in the Danube region.

Two specially designed know-how promotion e-tools – Port Knowledge Center and the Digital Initiatives Observatory – made available via the DPN website (www.danubeports.eu) will share in an interactive way valuable information gathered by the DIONYSUS consortium.

4 Timeline and overview of tasks

In order to support the capitalisation activities of DIONYSUS, the following timeline with a detailed overview on tasks and responsibilities, has been created. The timeline proposes a step-by step approach to efficiently capitalise the results of the project, going beyond the simple dissemination of its achievements and milestones. Raising awareness among stakeholders and policymakers as well as setting the ground for strategic partnerships and collaborations, while engaging in various project-external events and policy consultations (as for instance in the case of NAIADES III), are key milestones that this strategy proposes to achieve.

4.1 Period 1 (07/2020-12/2020)

The following figure provides a detailed overview on what is foreseen in Period 1, covering the first six months of the project:

Nr	Workpackage / Activities	2020								
		responsible	contributor	7	8	9	10	11	12	
O.T 3.6	Danube Ports Days 2020, 2021, 2022	PDM	EHO0, PAV, MPAC							
O.T 3.7	Project Capitalisation Strategy and Evaluation Report	PDM	HFIP, EHO0, PGA, Vpas, PAV, USPA, PoVIE, DANLOG/GIFF, MPAC, POB							
D.T3.3.1	Annual Work Plans and Yearly Activity Reports 2020, 2021, 2022	PDM	feedback by all PPs involved in AT3.3;							
	Work Plan and Yearly Activity Report 2020									
	Work Plan and Yearly Activity Report 2021									
	Work Plan and Yearly Activity Report 2022									
D.T3.3.2	Coordination Meetings	PDM supported by MPAC, BRCCI, EHO0, PGA	PDR, WPLs, PPs ports contributing to AT 3.3; all PPs in the project may attend							
	Coordination Meeting 2020	PDM & MPAC								
	Coordination Meeting 2021	PDM & BRCCI								
	Coordination Meeting 2022 (2x)	PDM & EHO0; PDM & PGA								
D.T3.3.3	Report on EU and Transnational partnerships and coordination activities	PDM	validation by all PPs involved in AT3.3							
	Coordination meeting EUSDR PACs (PA1A, PA1B)									
	RIS Comex Project Coordinator									
	Meeting DG Move, DG Regio									
	Meeting EFIP									
D.T3.3.4	Report knowledge-transfer events, tools and publications	PDM	Vpas, MPAC, PP AT3.3							
	Port Knowledge Center									
	Publications (DPN Handbook incl. port statistics)									
	Capitalisation Factsheets									
	Newsletters									
D.T3.3.5	Strategic roadmap for follow-up activities	PDM	PDR, all WPLs, HFIP, EHO0, PGA, Vpas, PAV, USPA, POV, MPAC, UTM, DANLOG							
D.T3.3.6	COVID-19 Impact on Danube Ports	PDM	PDR, iC, Vpas, HFIP, PAV, PGA, POB, UTM, USPA & their related ASPs							
	Comparison 2021-2020									
	Comparison 2022-2021									

Figure 1: Timeline Period 1

Period 1 already provides a busy schedule for a multitude of project activities which feed into the **Capitalisation Strategy** and are the first steps for its successful implementation. These activities are the following:

- Planning and organizing the first edition of the Danube Ports Day event
- Preparation of the annual work plan and activity report

- Planning and organization of the DPN Coordination Meeting
- Planning and organization of coordination meeting with EUSDR PA1A & PA1B
- Planning and organization of coordination meeting with RIS COMEX project coordinator
- Planning and development of the Port Knowledge Center
- Preparation and publication of the Capitalisation Factsheet
- Preparation and publication of the DPN newsletter
- Collection of port traffic data for the COVID-19 impact assessment report

The Coordination Meetings (D.T3.3.2) play a vital role in the implementation process of the strategic, technical and operational activities as outlined in the **Capitalisation Strategy** and in the **Work Plans (D.T3.3.1)**. The first coordination meeting, hosted by MPAC and organised by PDM, provided a first overview on the planned activities in the framework of the DPN and other related communication and dissemination activities as foreseen in DIONYSUS. During the lifetime of the project, 3 more coordination meetings are foreseen to be organised – in Period 3, under the shared responsibility of PDM and BRCCI and in Period 4 jointly organised by (1) EHO0 and PDM as well as (2) by PGA and PDM.

Equally important for the overall Project Capitalisation Strategy is the **Report on EU and Transnational Partnerships & Coordination Activities**. As was already mentioned, capitalisation is understood way more than a mere dissemination of project results and outcomes. As such, this document will report on any kind of transnational partnerships and coordination activities that are relevant for port development. The DPN will be the instrument to establish efficient partnerships and cooperation that are of utmost importance for port development in the Danube Region. The final version of this deliverable is due in Period 5, whereas inputs in terms of strategic coordination meetings are envisaged, according to the timeline proposed in the framework of DIONYSUS, to take place starting within the first six months of the project’s lifecycle (Period 1). Therefore, first meetings – both with **EUSDR PA1a & Pa1b** as well as with representatives of the **RIS COMEX Project** were already held in November 2020.

Another important activity rolled out with the support of the DPN is the contribution to several action programs, meetings and workshops such as:

- Inland waterway transport agenda for Europe 2021-2027;
- NAIADES 3 Action Programme preparation;
- Sustainable and Smart Mobility Strategy;
- CEF 2 & Horizon Europe Programme preparation;
- Digitalisation initiatives (eFTI, DINA, DTLF);
- Rhine-Danube Corridor Meetings;
- Ensure that ports comply with the TEN-T and the alternative fuels infrastructure requirements;
- Motorways of the Sea in the Black Sea and the effective integration in the Rhine-Danube & Orient-East Med Core Network Corridors.

4.2 Periods 2 & 3 (01/2021-12/2021)

The following figure provides a detailed overview on the timeline foreseen for Periods 2 & 3 covering the whole calendar year 2021:

Nr	Workpackage / Activities			2021													
		responsible	contributor	1	2	3	4	5	6	7	8	9	10	11	12		
O.T.3.6	Danube Ports Days 2020, 2021, 2022	PDM	EHO, PAV, MPAC														
O.T.3.7	Project Capitalisation Strategy and Evaluation Report	PDM	HFIP, EHO, PGA, Vpas, PAV, USPA, PoVIE, DANLOG/GIFF, MPAC, POB														
D.T3.3.1	Annual Work Plans and Yearly Activity Reports 2020, 2021, 2022	PDM	feedback by all PPs involved in AT3.3;														
	Work Plan and Yearly Activity Report 2020																
	Work Plan and Yearly Activity Report 2021																
	Work Plan and Yearly Activity Report 2022																
D.T3.3.2	Coordination Meetings	PDM supported by MPAC, BRCCI, EHO, PGA	PDR, WPLs, PPs ports contributing to AT 3.3; all PPs in the project may attend														
	Coordination Meeting 2020	PDM & MPAC															
	Coordination Meeting 2021	PDM & BRCCI															
	Coordination Meeting 2022 (2x)	PDM & EHO; PDM & PGA															
D.T3.3.3	Report on EU and Transnational partnerships and coordination activities	PDM	validation by all PPs involved in AT3.3														
	Coordination meeting EUSDR PACs (PA1A, PA1B)																
	RIS Comex Project Coordinator																
	Meeting DG Move, DG Regio																
	Meeting EFIP																
D.T3.3.4	Report knowledge-transfer events, tools and publications	PDM	Vpas, MPAC, PP AT3.3														
	Port Knowledge Center																
	Publications (DPN Handbook incl. port statistics)																
	Capitalisation Factsheets																
	Newsletters																
D.T3.3.5	Strategic roadmap for follow-up activities	PDM	PDR, all WPLs, HFIP, EHO, PGA, Vpas, PAV, USPA, POV, MPAC, UTM, DANLOG														
D.T3.3.6	COVID-19 Impact on Danube Ports	PDM	PDR, IC, Vpas, HFIP, PAV, PGA, POB, UTM, USPA & their related ASPs														
	Comparison 2021-2020																draft
	Comparison 2022-2021																

Figure 2: Timeline Period 2 & 3

One of the main highlights of 2021 will be the second edition of the **Danube Ports Days**, organised by PAV in cooperation with PDM in Q3 or Q4/2021. The key topics of the second edition will focus on relevant project results achieved so far in the thematic work packages T1, T2 and T3. Based on the experience gained in the framework of the first edition, the second edition will further discuss relevant topics in terms of concrete needs and requirements of the IWT sector with a special focus on port development issues. Lessons learnt as well as success stories will be included on the agenda of the Danube Ports Day 2021.

The **Work Plan 2021** and the **Yearly Activity Report 2021** will be elaborated in line with the thematic development plan of the project (work plan), while at the same time focusing on the capitalisation activities carried out in the previous year (activity report).

Periods 2 and 3 furthermore foresee coordination meetings with EUSDR PA1a and PA1b as well as with the RIS Comex Project Coordinator. On the European level, coordination meetings with relevant EC services – DG MOVE and DG REGIO – are envisaged to take place, while strengthening the cooperation with EFIP will also be high on the agenda. The results of these meetings will feed into the **Report on EU and Transnational Partnerships & Coordination Activities (D.T3.3.3)**, which is due to be finalised in November 2022 (Period 5).

With DPN being regarded as a key instrument of knowledge-transfer & creation, several tools which will be hosted by the DPN website, will be elaborated such as publications.

The Port Knowledge Center and the Digital Initiatives Observatory will be periodically updated with relevant information. Danube ports traffic statistics will be collected, which on one hand will feed into D T 3.3.6 COVID impact on Danube Ports, as well as they will be made available on the DPN website via the Port Knowledge Center.

4.3 Periods 4 & 5 (01/2022-12/2022)

The following figure provides a detailed overview on the timeline foreseen for Periods 4 & 5 covering the whole calendar year 2022:

Nr	Workpackage / Activities			2022												
		responsible	contributor	1	2	3	4	5	6	7	8	9	10	11	12	
O.T.3.6	Danube Ports Days 2020, 2021, 2022	PDM	EHO, PAV, MPAC													
O.T.3.7	Project Capitalisation Strategy and Evaluation Report	PDM	HFIP, EHO, PGA, Vpas, PAV, USPA, PoVIE, DANLOG/GIFP, MPAC, POB													
D.T3.3.1	Annual Work Plans and Yearly Activity Reports 2020, 2021, 2022	PDM	feedback by all PPs involved in AT3.3.													
	Work Plan and Yearly Activity Report 2020															
	Work Plan and Yearly Activity Report 2021															
	Work Plan and Yearly Activity Report 2022															
D.T3.3.2	Coordination Meetings	PDM supported by MPAC, BRCCI, EHO, PGA	PDR, WPLs, PPs ports contributing to AT 3.3; all PPs in the project may attend													
	Coordination Meeting 2020	PDM & MPAC														
	Coordination Meeting 2021	PDM & BRCCI														
	Coordination Meeting 2022 (2x)	PDM & EHO; PDM & PGA														
D.T3.3.3	Report on EU and Transnational partnerships and coordination activities	PDM	validation by all PPs involved in AT3.3													
	Coordination meeting EUSDR PACs (PA1A, PA1B)															
	RIS Comex Project Coordinator															
	Meeting DG Move, DG Regio															
	Meeting EFIP															
D.T3.3.4	Report knowledge-transfer events, tools and publications	PDM	VPas, MPAC, PP AT3.3													
	Port Knowledge Center															
	Publications (DPN Handbook incl. port statistics)															
	Capitalisation Factsheets															
	Newsletters															
D.T3.3.5	Strategic roadmap for follow-up activities	PDM	PDR, all WPLs, HFIP, EHO, PGA, Vpas, PAV, USPA, POV, MPAC, UTM, DANLOG													
D.T3.3.6	COVID-19 Impact on Danube Ports	PDM	PDR, IC, Vpas, HFIP, PAV, PGA, POB, UTM, USPA & their related ASPs													
	Comparison 2021-2020															
	Comparison 2022-2021															

Figure 3: Timeline Period 4 & 5

The third edition of the **Danube Ports Day** event will be organised by PDM together with MPAC in Constanta, Romania. By that time, the Port Development Plans envisaged as part of WP T4 have been finalised, which them, complemented with the available funding will raise interesting discussions on the further development of Danube ports infra- and suprastructure.

Two further DPN coordination meetings will be organised in 2022 to capitalise on the closed activities in the framework of the Dionysus project.

Coordination meetings will be further organised, namely with EUSDR PA1A, PA1B and EFIP. The envisaged meeting with DG MOVE and DG REGIO will be used to plan the details for the Policy Banquette to be organised in Brussels in Q3/2022.

The last round of publications (newsletters, factsheets) will be published in P5. Likewise important will be the preparation and publication of the DPN Handbook, a booklet collecting essential aspects on Danube ports.

Making sure that the impact of the DIONYSUS project will continue after the project ends, a **Strategic Plan for Follow-Up Activities** will be elaborated. This step will secure a long-term effect of the milestones achieved on port development related issues.

Both passenger and cargo transportation were highly affected by the ongoing COVID-19 pandemic, with cargo not having enough time to fully recover after the drought of 2018. Limiting the devastating impact on the industry therefore has to be high on the agenda of decision-makers at both national and local levels. Therefore, as a response to the current crisis, a report on **the COVID-19 Impact on Danube Ports** will be elaborated. The aim of this study is to present an overview on the economic and operational impact of the pandemic on Danube Ports, covering the years 2020 and 2021. Relevant data will be collected by a survey, looking into a multitude of port development related aspects.

The overall timeline of the described activities is available in the [Annexes](#) of this document. The information is based on the current planning, while several dates might change during the lifespan of DIONYSUS.

5 DPN: at the heart of project capitalisation & knowledge-transfer

Launched in the framework of the DAPhNE project, the Danube Ports Network (DPN) is an initiative which has emerged in response of a real need to address and reduce the development and innovation gap between the ports situated on the Rhine-Danube Corridor, aiming towards cooperation strengthening between inland and maritime ports in the Danube Region.

DPN brings together public and private sea & inland ports and terminal operators from the Danube Region willing to engage in a long-term, active and coordinated cooperation process benefiting the port industry and regional economy at large. Moreover, DPN emphasizes the importance of sharing knowledge and networking to keep the Danube ports at the forefront of global innovation and as such to adapt them to the needs and requirements of a future-oriented European transport system. Hence, the DPN facilitates diverse forms of cooperation and partnerships between Danube ports, leading to synergies and higher efficiency.

In the framework of DIONYSUS, DPN is at the heart of coordinated project capitalisation tasks that contribute to efficient project implementation, knowledge-creation and transfer, as well as to synergies with EU transport policy initiatives and other port development related projects.

Besides the DIONYSUS project, the DPN through its Technical Secretariat is involved in other activities representing the interests of the network and its partners in national and transnational port related initiatives and projects.

5.1 DPN capitalisation: external affairs

The figure below illustrates the interrelation between knowledge creation and knowledge transfer, emphasizing that information and know-how exchange is a two-way process between project activities and external stakeholders or other relevant public or private entities. DPN capitalisation is divided into 2 main pillars: internal and external affairs, with the figure below describing its external affairs:

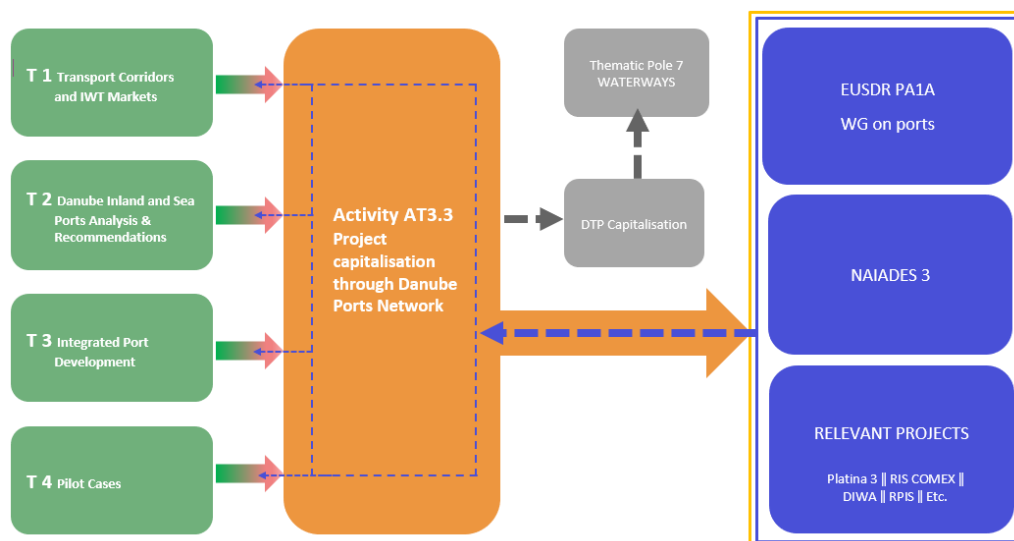


Figure 4: DPN Capitalisation strategy – External Affairs

As can be seen, the core results of the project covering various aspects of port development, will centrally be collected at the level of the DPN, acting this way as an entity that facilitates synergies across the thematic work packages of DIONYSUS.

In relation to the outside world, DPN will act as the interface of the project, whereas, at the same time, it will secure a smooth information and knowledge flow collected from relevant projects and policy initiatives that will feed into the ongoing proceedings of the project. As such, DPN will contribute to an increased quality level of the project's results, facilitating synergies with ongoing initiative related to issues of port development well beyond the border of the Danube Region. It is furthermore of utmost importance to position the results of the DIONYSUS project in the wider European context in order to achieve harmonised solutions in the field of port development while considering their specific needs and requirements.

As such, DPN will serve as an instrument to promote Danube port's needs at the EU level in ongoing discussions on the policy level with relevant EC services such as DG MOVE (NAIADES 3) as well as with other relevant branch organisations and stakeholders.

The foreseen work within the DIONYSUS capitalisation strategy is fully in line with the newly released [Sustainable and Smart Mobility Strategy](#) and [Action Plan](#) of 82 initiatives. For example, the 26th measure refers to the launch of NAIADES 3 to exploit the untapped potential of inland waterways transport (foresee for 2021), an essential programme for our sector. According to the **Strategy**, ports are key for EU's international connectivity, for the European economy, and for their respective regions. In their transition to zero-emission nodes, the best practices followed by the most sustainable ports should become the new normal. Inland and seaports have a great potential to become new clean energy hubs for integrated electricity systems, hydrogen and other low-carbon fuels, as well as testbeds for waste reuse and the circular economy. Within the plan, the EC pledges to propose measures to make ports clean, by incentivizing the deployment of renewable and low-carbon fuels and feeding stationed vessels with renewable power instead of fossil energy, optimization of port calls and through a wider use of smart traffic management

The mission of DPN as knowledge facilitator and information provider will be strengthened by the continuous cooperation with EUSDR PA1a in order to promote the uptake of the DIONYSUS results in WG 1 – Waterway and Port Infrastructure & Management. Hence, DPN will contribute to the implementation of EUSDR.

5.2 DPN capitalisation: internal affairs

DPN, as a well-established facilitator of knowledge-transfer and innovation, has developed an internal strategy in order to collect and distribute information more efficiently.

5.2.1 Contributors to the Capitalisation Strategy (Pillar 1)

As can be seen by the figure below, contributors include, next to project internal ones, external DPN partners as well:

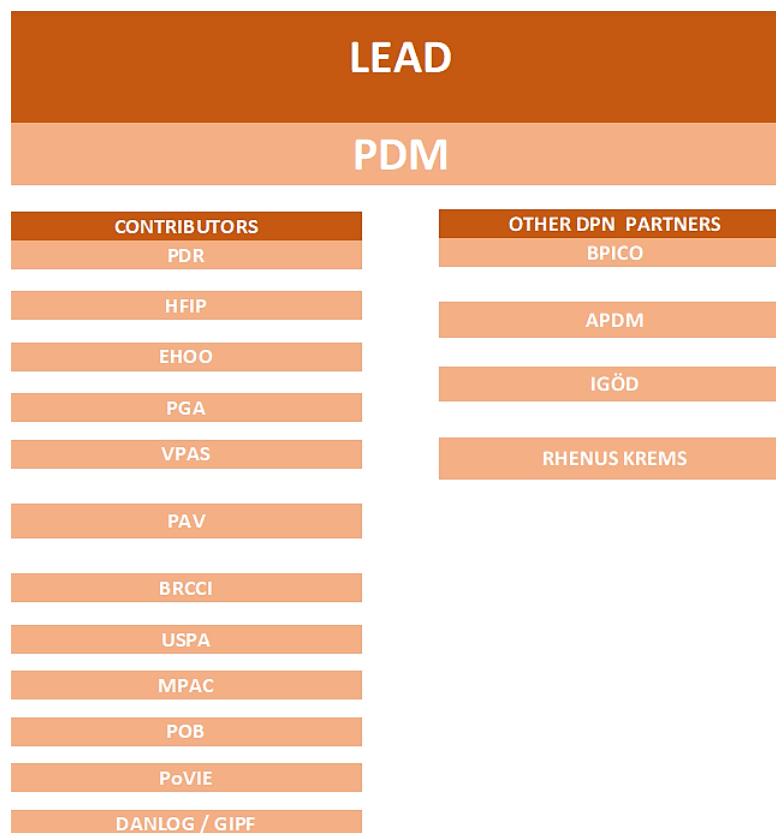


Figure 5: Contributors to the project capitalisation activities

Under the lead of PDM (staffing also the DPN Technical Secretariat), 16 partner organisations (12 DIONYSUS partner and 4 additional DPN Partner organisations) are contributing to the implementation of the capitalisation activities as defined in the capitalisation strategy.

The internal project capitalisation strategy through the DPN is described by the figure below:

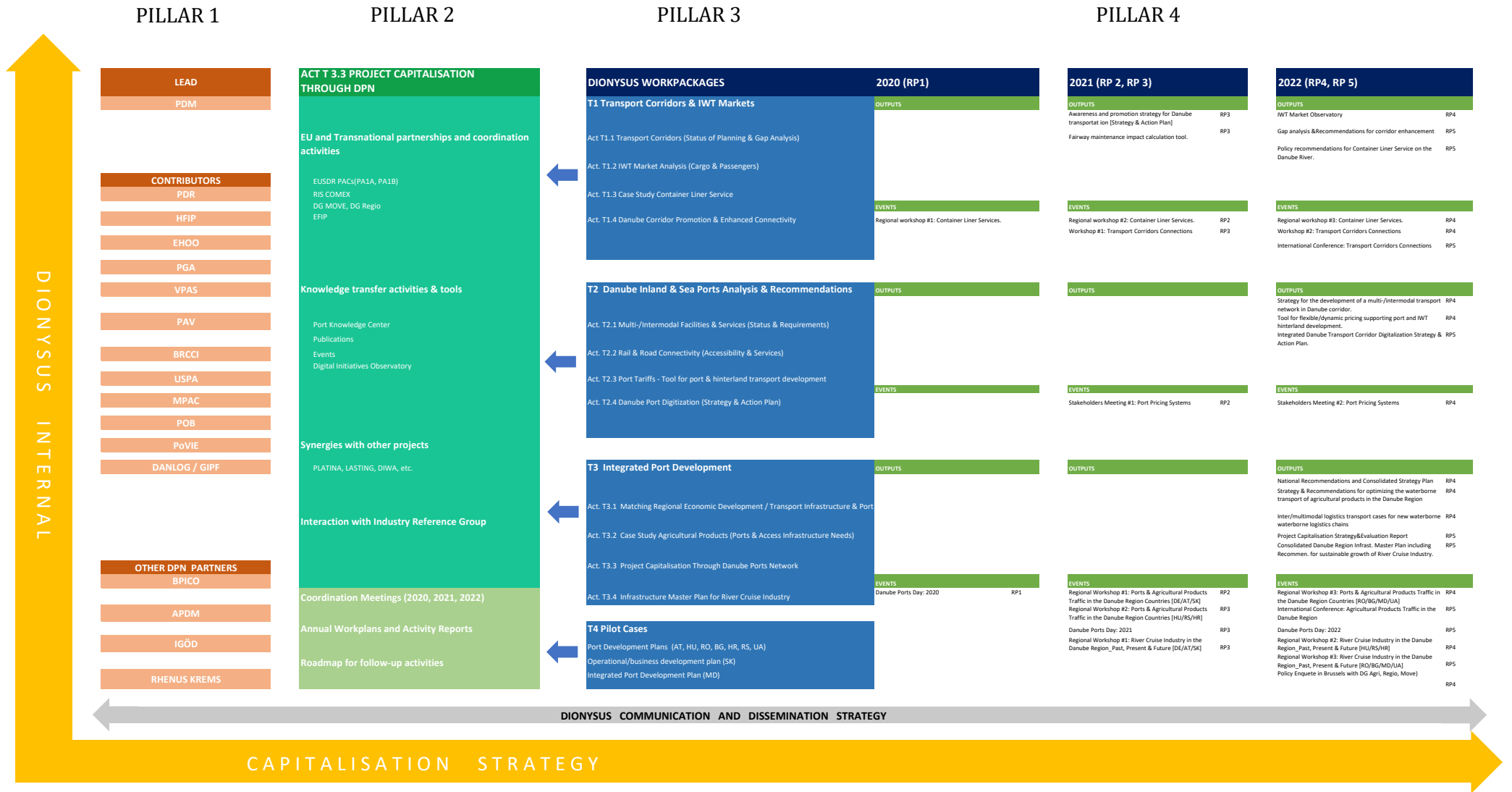


Figure 6: Dionysus Internal Capitalisation Strategy consisting of 4 pillars (contributors, DPN activities, Dionysus WPs and related outputs and events)

5.2.2 DPN Capitalisation Activities (Pillar 2)



Figure 7: Dionysus Act 3.3 overview of activities

The DPN Capitalisation strategy envisages know-how exchange with the following **EU-funded projects**:

- PLATINA 3
- DIWA
- RIS COMEX
- RPIS
- other relevant projects as identified by the Digital Initiatives Observatory

A list of contacts (part of the Industry Reference Group) will be compiled with relevant contact information from all these identified projects. All these contact persons will receive updates on the DIONYSUS project via the DPN channels of communication.

The DIONYSUS project foresees the cooperation with several entities in relation to IWT and ports affairs such as:

- **EUSDR PACs (PA 1a, PA 1b)**

Priority Area 1a of EUSDR is committed to improve modality and multimodality on inland waterways, whereas PA 1b is committed to improve mobility and multimodality on rail, road and air links. Coordination activities are foreseen in Period 1 (already held in November 2020) and in Periods 2, 3 and 4.

Coordination activities are furthermore foreseen, in Periods 2 and 4, with relevant EC services such as:

- **DG MOVE and DG REGIO**

DG MOVE is responsible for EU policy on mobility and transport, whereas DG REGIO is responsible for EU policy in regions and cities.

- **EFIP**

EFIP brings together nearly 200 inland ports and port authorities in 18 countries of the European Union, Switzerland, Serbia and Ukraine. EFIP highlights and promotes the role of European inland ports as real intermodal nodal points in the transport and logistic chain, combining inland waterway transport with rail, road, and maritime transport. Coordination meetings are foreseen in Periods 2, 5 and 5.

5.2.3 Synergies arising from WP T1 Transport Corridors & IWT Markets (Pillar 4)

2020 (RP1)	2021 (RP 2, RP 3)	2022 (RP4, RP 5)
OUTPUTS	OUTPUTS	OUTPUTS
	Awareness and promotion strategy for Danube transportation [Strategy & Action Plan] RP3	IWT Market Observatory RP4
	Fairway maintenance impact calculation tool. RP3	Gap analysis & Recommendations for corridor enhancement RP5
		Policy recommendations for Container Liner Service on the Danube River. RP5
EVENTS	EVENTS	EVENTS
Regional workshop #1: Container Liner Services.	Regional workshop #2: Container Liner Services. RP2	Regional workshop #3: Container Liner Services. RP4
	Workshop #1: Transport Corridors Connections RP3	Workshop #2: Transport Corridors Connections RP4
		International Conference: Transport Corridors Connections RP5

In the framework of the workpackage dealing with Transport Corridors and IWT Markets (T1), several events will be organised to disseminate the results of the DIONYSUS project as well as to collect know-how from industry representatives.

These **events** are:

- Regional workshop #1: Container Liner Services --> 10.12.2020
- Regional workshop #2: Container Liner Services-->RP2
- Workshop #1: Transport Corridors Connections-->RP3
- Regional workshop #3: Container Liner Services -->RP4
- Workshop #2: Transport Corridors Connections-->RP4
- International Conference: Transport Corridors Connections-->RP5

The partners responsible for the organisations of these events shall always inform the DPN about the time, location, agenda and foreseen speakers. The DPN is responsible to promote the events in the extended port community by means of its manifold dissemination activities.

In terms of **outputs**, WP T1 covers five of them, namely:

- Awareness and promotion strategy for Danube transportation [Strategy & Action Plan] -->RP3
- Fairway maintenance impact calculation tool -->RP3
- IWT Market Observatory-->RP4
- Gap analysis & Recommendations for corridor enhancement-->RP5
- Policy recommendations for Container Liner Service on the Danube River -->RP5

These shall be promoted with the support of the DPN within the IWT and ports community, in the Danube Region and beyond.

5.2.4 Synergies arising from WP T2 Danube Inland & Sea Ports Analysis & Recommendations

OUTPUTS	OUTPUTS	OUTPUTS
		Strategy for the development of a multi-/intermodal transport network in Danube corridor. RP4 Tool for flexible/dynamic pricing supporting port and IWT hinterland development. RP4 Integrated Danube Transport Corridor Digitalization Strategy & Action Plan. RP5
EVENTS	EVENTS	EVENTS
	Stakeholders Meeting #1: Port Pricing Systems RP2	Stakeholders Meeting #2: Port Pricing Systems RP4

In the framework of the workpackage dealing with Danube Inland & Sea Ports Analysis & Recommendations (T2), several events will be organised to disseminate the results of the DIONYSUS project as well as to collect know-how from industry representatives.

These **events** are:

- Stakeholders Meeting #1: Port Pricing Systems-->RP2
- Stakeholders Meeting #2: Port Pricing Systems -->RP4

The partners responsible for the organisations of these two events shall always inform the DPN about the time, location, agenda and foreseen speakers. The DPN is responsible to promote the events in the extended port community by means of its manifold dissemination activities.

In terms of **outputs**, three of them are foreseen under the current workpackage, namely:

- Strategy for the development of a multi-/intermodal transport network in Danube corridor.-->RP4
- Tool for flexible/dynamic pricing supporting port and IWT hinterland development. --> RP4
- Integrated Danube Transport Corridor Digitalization Strategy & Action Plan. --> RP5

These shall be promoted with the support of the DPN within the IWT and ports community, in the Danube Region and beyond.

5.2.5 Synergies arising from WP T3 Integrated Port Development

OUTPUTS	OUTPUTS	OUTPUTS
		National Recommendations and Consolidated Strategy Plan RP4 Strategy & Recommendations for optimizing the waterborne transport of agricultural products in the Danube Region RP4
		Inter/multimodal logistics transport cases for new waterborne waterborne logistics chains RP4
		Project Capitalisation Strategy&Evaluation Report RP5 Consolidated Danube Region Infrac. Master Plan including Recommen. for sustainable growth of River Cruise Industry. RP5
EVENTS	EVENTS	EVENTS
Danube Ports Day: 2020 RP1	Regional Workshop #1: Ports & Agricultural Products Traffic in the Danube Region Countries [DE/AT/SK] RP2 Regional Workshop #2: Ports & Agricultural Products Traffic in the Danube Region Countries [HU/RS/HR] RP3	Regional Workshop #3: Ports & Agricultural Products Traffic in the Danube Region Countries [RO/BG/MD/UA] RP4 International Conference: Agricultural Products Traffic in the Danube Region RP5
	Danube Ports Day: 2021 RP3 Regional Workshop #1: River Cruise Industry in the Danube Region_Past, Present & Future [DE/AT/SK] RP3	Danube Ports Day: 2022 RP5 Regional Workshop #2: River Cruise Industry in the Danube Region_Past, Present & Future [HU/RS/HR] RP4 Regional Workshop #3: River Cruise Industry in the Danube Region_Past, Present & Future [RO/BG/MD/UA] RP5 Policy Enquete in Brussels with DG Agri, Regio, Move) RP4

In the framework of the workpackage dealing with Integrated Port Development (T3), several events will be organised to disseminate the results of the DIONYSUS project as well as to collect know-how from industry representatives.

These **events** are:

- Danube Ports Day: 2020 --> RP1
- Regional Workshop #1,2,3: Ports & Agricultural Products Traffic in the Danube Region Countries [DE/AT/SK] --> RP2, RP3, RP4
- Danube Ports Day: 2021 --> RP3
- Regional Workshop #1: River Cruise Industry in the Danube Region_Past, Present & Future [DE/AT/SK] --> RP3
- International Conference: Agricultural Products Traffic in the Danube Region --> RP5
- Danube Ports Day: 2022 --> RP5
- Regional Workshop #2: River Cruise Industry in the Danube Region_Past, Present & Future [HU/RS/HR] --> RP4

- Regional Workshop #3: River Cruise Industry in the Danube Region_Past, Present & Future [RO/BG/MD/UA] --> RP5
- Policy Enquete in Brussels with DG Agri, Regio, Move) --> RP4

The partners responsible for the organisations of these two events shall always inform the DPN about the time, location, agenda and foreseen speakers. The DPN is responsible to promote the events in the extended port community by means of its manifold dissemination activities.

In terms of **outputs**, five outputs are foreseen, all having as deadline RP4 and RP5 (2022). These outputs are:

- National Recommendations and Consolidated Strategy Plan -->RP4
- Strategy & Recommendations for optimizing the waterborne transport of agricultural products in the Danube Region -->RP4
- Inter/multimodal logistics transport cases for new waterborne waterborne logistics chains --> RP5
- Project Capitalisation Strategy & Evaluation Report --> RP5
- Consolidated Danube Region Infrast. Master Plan including Recommen. for sustainable growth of River Cruise Industry --> RP5

These shall be promoted with the support of the DPN within the IWT and ports community, in the Danube Region and beyond.

With regards to workpackage T4: Pilot Cases, the DPN will support the partners involved in the dissemination process as it will be needed.

5.3 DPN Knowledge creation and transfer tools

The knowledge creation and transfer activities are supported by the following tools:

- DPN website
- Port Knowledge Center
- Digital Initiatives Observatory

5.3.1 DPN website

The DPN website (www.danubeports.eu) represents the main source of information concerning the activities rolled-out as part of DIONYSUS capitalisation strategy with the support of the Danube Ports Network (DPN).

Prepared and launched in the framework of the DAPhNE project in 2018, the website has several dedicated sections which shall provide its visitors first-hand information on the DPN activities, relevant conferences and events, DPN partners, publications, etc.

In the framework of DIONYSUS, the DPN website receives new functionalities, namely, the (i) **Port Knowledge Center** and the (ii) **Digital Initiatives Observatory**.

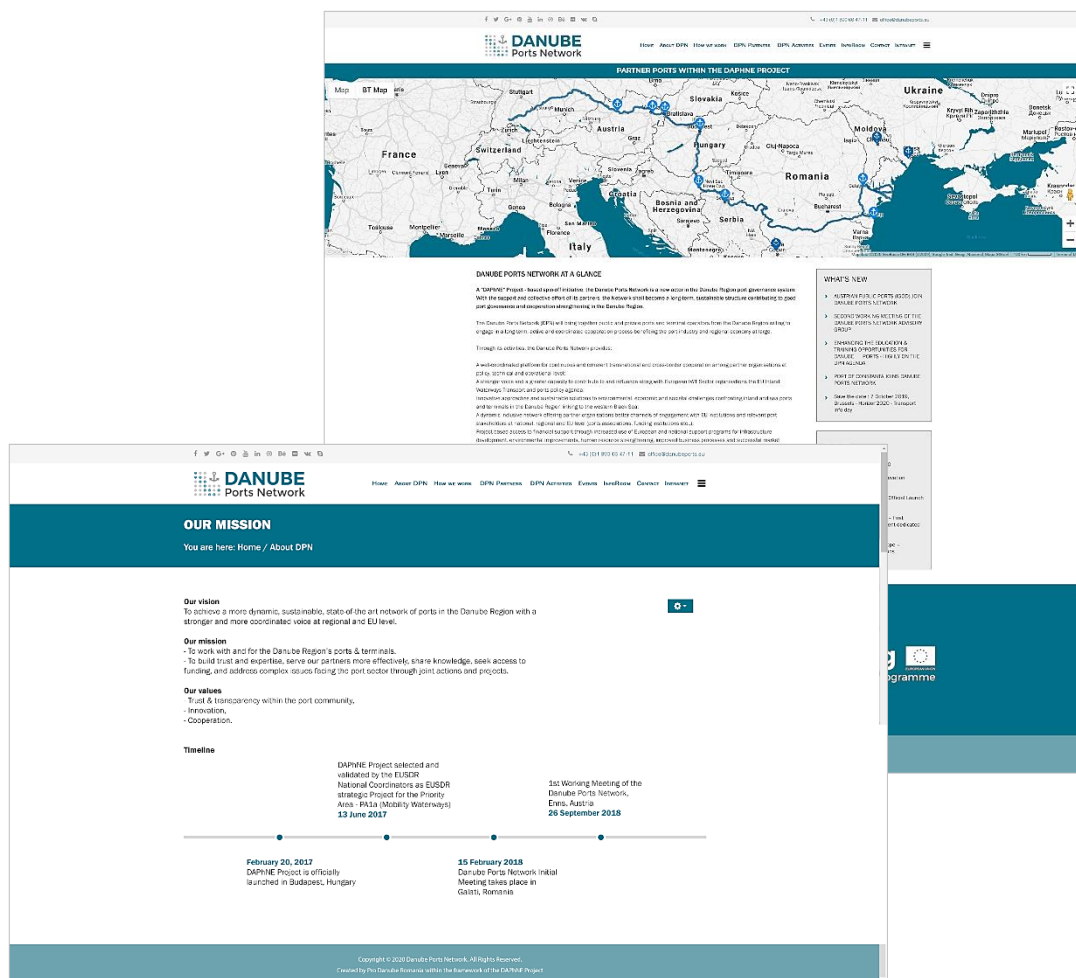


Figure 8: Screenshots from the DPN website

5.3.2 Port Knowledge Center

The DPN website will be updated in Q3-Q4/2020 in order to accommodate a dedicated section entitled “Port Knowledge Center” which comprises 4 subsections, namely:

- Port Statistics
- Publications
- Events & Coordination Meetings
- Deliverables and Outputs

The figure below illustrates the main functionalities of the Port Knowledge Center:

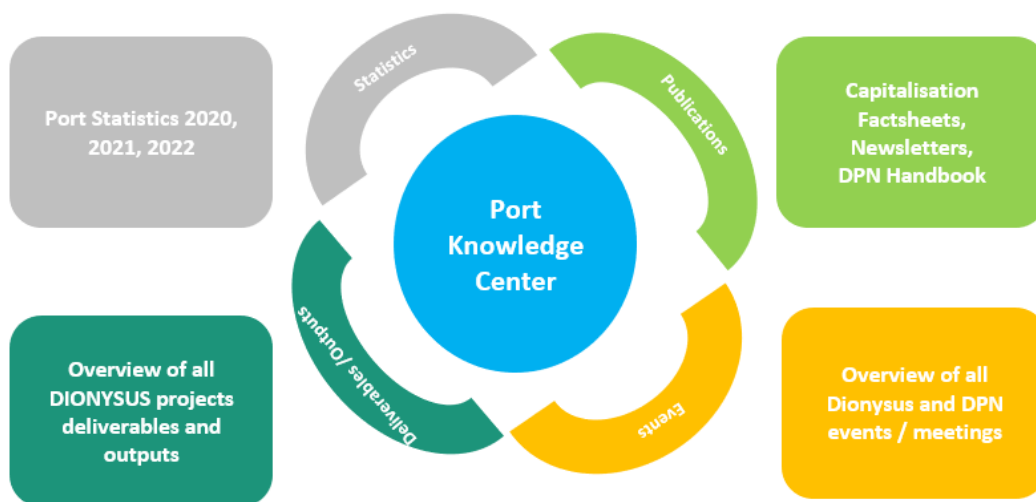


Figure 9: Port Knowledge Center

5.3.2.1 Port Statistics

Traffic information will be collected on a yearly basis (2020, 2021, 2022) covering the Danube Region ports which are part of the DIONYSUS project consortium. These ports will provide updated information on the volumes of the main types of cargo transhipped in their port. The data will be used further by DT 3.3.6 COVID-19 Impact on Danube Ports and will be made available as well by the DPN Handbook.

Statistics will be collected from the following ports with the support of the related partners:

- For Austria: Ennshafen (by Port of Ennshafen), Vienna (by Port of Vienna-ASP), Krems (by Rhenus Donauhafen Krems as DPN partner)
- Slovakia: Bratislava, Komarno (by Public Ports)
- Hungary: Budapest, Gyor, Dunaújváros, Baja (by HFIP)
- Croatia: Vukovar (by PAV)
- Serbia: Novi Sad, Belgrade, Pancevo, Smederevo (by PGA)

- Romania: Orsova, Drobeta Turnu Severin, Giurgiu, Constanta, Galati, Braila, Tulcea (by MPAC, APDF-ASP, APDM as DPN partner)
- Bulgaria: Vidin, Lom, Ruse, Bulmarket (by BRCCI, POB and BPICO as DPN partner)
- Moldova: Giurgiulesti (by DANLOG -ASP)
- Ukraine: Reni, Izmail, Kilia (by USPA)

Statistics will be collected by the DPN based on a dedicated **survey** which will be sent out after the end of each year (for 2020 – in Q1/2021, for 2021 – in Q1/2022, for 2022 – in Q3/2022). The list above is not an exhaustive one; statistics can be also collected from other DR ports shall there be a willingness & availability of ports to provide such data.

5.3.2.2 Publications

Three different types of publications will be issued, namely:

- Capitalization factsheets (3 editions, once a year): summarizing the content of the Yearly Activity Reports 2020, 2021, 2022 (DT3.31)
- Newsletters (3 editions, once a year; for the 2020 edition: DPN actively contributed to the elaboration of the DIONYSUS newsletter in order to provide a comprehensive overview on the results achieved in the early stages of the project and the status of the milestones that lie ahead)
- DPN Handbook (2 editions: 2021 and 2022)

5.3.2.3 Events and Coordination Meetings

Several events involving external stakeholders are being organized in the framework of Dionysus project in order to facilitate know-how collection and dissemination of project results to a wider audience.

5.3.2.3.1 Danube Ports Days (2020, 2021, 2022)

Continuing the well-established tradition in the framework of the [DAPhNE](#) project, the **Danube Ports Days (T3.6)** – organised on a yearly basis in 2020, 2021 and 2022, provides a transnational platform to discuss, by bringing together experts, policymakers and the IWT sector, policy and other related key aspects linked to port development issues.

The **first edition** was already successfully organised on 17 November 2020 by Pro Danube and the Port of Ennshafen. The 2020 event brought together over 60 experts from the Danube Region and beyond. It facilitated a structured discussion on port development opportunities touching on topics such as (a) shore side electricity and (b) integrated logistics. Shore-side electricity, which allows ships to turn off their engines and plug into an electrical grid while at berth, has been steadily growing in popularity as a reliable solution to cutting emissions as well as reducing noise and vibration. First-hand information was provided based on the results of several EU & national funded projects, whereas, at the same time, two fleet operators presented from a user's perspective related prerequisites. In relation to the second topic, two port operators from Romania and Moldova introduced their logistics

solutions to efficiently accommodate intermodal transport to and from their ports, whereas one logistics service provider from Hungary offered examples of fully integrated logistics solutions making use of the waterways.

The other two Danube Ports Day events – in 2021 and 2022 – are envisaged to be organised in Periods 3 and 5, jointly coordinated by PAV, MPAC and PDM. The figure below illustrates the planning of these events and their expected outcome:

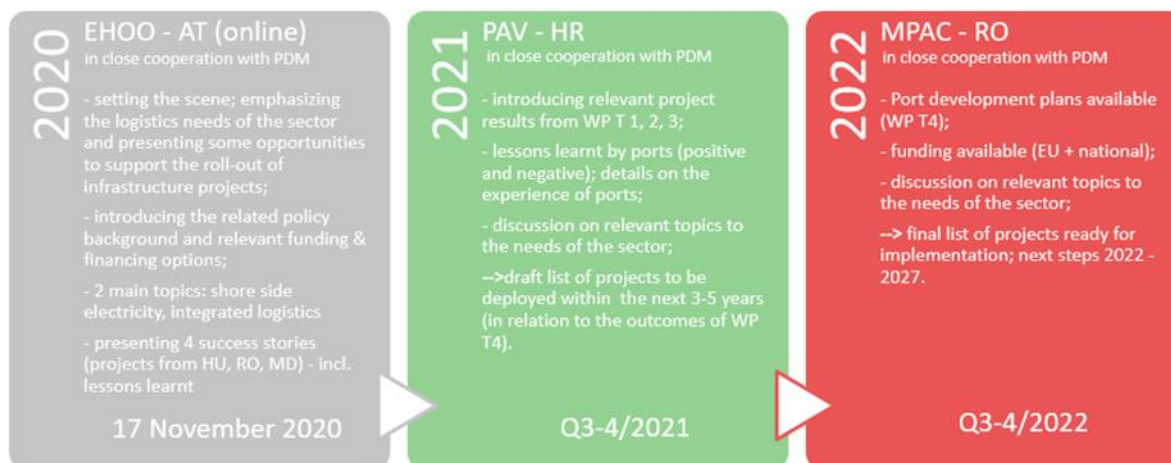


Figure 10: Danube Ports Days (2020, 2021, 2022)

Another important aspect in the implementation process of the Capitalisation Strategy are the **Annual Work Plans & Yearly Activity Reports 2020, 2021 and 2022 (D.T3.3.1)**. The work plans will set the path for coordinated input and synergies within the thematic activities as foreseen in the DIONYSUS work packages. Fundamental for the elaboration of the Annual Work Plans are the core thematical aspects covered by DIONYSUS: **good port governance, sustainable port development and operations, port digitalisation and ports' connectivity**. The **Yearly Activity Reports** will provide a detailed overview on the expected capitalisation activities and outcomes for a one-year period. They furthermore will report on capitalisation activities throughout the preceding year. The first work plan which is due in December 2020 was discussed in the framework of the first Coordination Meeting held on 17 November 2020.

5.3.2.3.2 Regional workshops: Container Liner Services

In total, three workshops on Container Liner Services will be prepared and executed:

- one workshop by MPAC in Constanta (Online),
- one by FTTE in Belgrade (Online), and
- one by MPAC in Constanta.

All the findings from these workshops will be integrated into Output.T1.4. The workshops will reunite PPs, ASPs, and external stakeholders and will be organized with the purpose to identify interested companies to revive and develop the Container Liner Services on the Danube River.

With this occasion, the reports of the previous stakeholder meetings and the draft of O.T1.5. – Policy recommendations for Container Liner Services on the Danube River (report) will be presented and further discussed.

The target audience will be stakeholders interested to further elaborate Business Cases which will bring together specialized concepts and policy recommendations, highlighting the necessary activities in order to initiate and support the development of container liner services.

Besides the specialized project partners who will bring in their expertise in IWT activities (port authorities, ship owners, port operators, consultancy companies), researchers (maritime and transport universities), representatives of business support organizations (chambers of commerce & industry) and policy decision-makers (transport ministries) will also contribute. On these occasions, the Industry Reference Group will be initiated.

5.3.2.3.3 Three Regional Workshops and one International Conference on Transport Corridors Connections

Three regional workshops will be organized by MPAC (RP3), ONMU (RP4), and HFIP (RP5) in Romania, Ukraine and Hungary in order to analyze the possibilities and opportunities to build up new transport links among the Danube corridors and the riparian Black Sea & Central Asia regions.

The analysis of the existing transport infrastructure together with the status-quo of the on-going and planned infrastructure projects will serve as the basis for the elaboration of various assumptions on potential traffic and trade flows of the Danube ports in connection to the development of the transport links to the corresponding corridors.

Interested key stakeholders shall attend these events and will provide important and valuable feedback for the design and operation of potential new cross-border/cross-Black Sea transport links.

5.3.2.3.4 Regional Workshops on Ports & Agricultural Products Traffic in the Danube Region Countries [DE/AT/SK] [HU/RS/HR] [RO/BG/MD/UA] and International Conference: Agricultural Products Traffic in the Danube Region

The events shall target Danube Region's port administrations, port operators and service providers (storage operators), agricultural producers and traders as well as logistics service providers.

Three Regional Workshops dedicated to Ports and agricultural Products Traffic will be organized in Austria (WCons), Serbia (PGA) and Romania (AAOPFR).

The workshops shall discuss present and future traffic flows, the throughputs of agricultural products in the ports located in the Danube Basin sub-regions Upper (DE, AT, SK), Middle (HU, RS, HR) and Lower Danube (RO, BG, MD, UA). Infrastructure and superstructure needs in the ports, as well as connecting road and rail infrastructure, will be identified and mapped. The regional workshops shall be organized and executed during the following reporting periods: RP2, RP3 and RP4.

On all these three occasions Industry Reference Groups shall be initiated for the next development phase of port infrastructure. Finally, an **International Event** presenting the findings of the Reports & Case Studies: Agricultural Products Traffic in the Danube Region shall be organized during the RP5 in Hungary under the responsibility of HFIP.

5.3.2.3.5 Stakeholders Meetings on Port Pricing Systems

Two stakeholders' meetings where the questionnaire regarding the applied pricing principles in ports will be analyzed along with the proposals for dynamic/flexible pricing systems for ports. iC and PAV will organize the 2 (two) stakeholder meetings in Austria and Croatia, respectively.

Project partners iC, MPAC and PAV will jointly prepare the mentioned questionnaire (deliverable D.T2.3.3). The focus of this questionnaire will be to obtain actual data on the applied pricing principles, enquiring into the type of charges applied in ports, the entities responsible to levy different charges, entities who bear the costs generated by these charges, the methodology for determination and/or calculation of applied charges.

5.3.2.3.6 Regional Workshops on River Cruise Industry in the Danube Region

In order to ensure a maximum of involvement of the stakeholders from the river cruise industry, the waterway and port administrations, but also from the municipalities concerned, the implementing partners will organize and hold stakeholder workshops.

These workshops will feed into the analysis work and shall support the consortium in the conceptual work for the national master plans as well as for the overall strategy on the level of the Danube region. The workshops shall provide a structured dialogue with the stakeholders and serve as learning actions for all involved participants. For practical reasons and enabling a maximum of participation with the highest efficiency, the stakeholder workshops will be executed on a regional basis in the upper, middle and lower Danube distributed over the timeline of the project implementation.

The stakeholder workshops shall also provide good practices from other European regions with significant river cruise activities and thus will foster an interregional exchange of experiences.

For the organization of the meetings the following partners will be responsible:

- VPas for Upper Danube (RP3),
- PGA for Middle Danube (RP4) and
- BRCCI for Lower Danube (RP5).

Due to their open design, the regional stakeholder workshops will have an important function for the promotion of the DIONYSUS project within the target groups addressed by this activity.

5.3.2.3.7 Policy Enquete in Brussels with DG Agri, Regio, Move

The innovative approach to integrate rural, regional and transport development policies for the assessment of the IWT potential and port infrastructure and superstructure needs in the Danube region shall be disseminated and promoted at the EU level. As the main instrument for this purpose, the PPs will prepare and execute of one Policy Event in Brussels involving relevant DGs (AGRI, REGIO, MOVE) and industry stakeholders. The event in kind of an Enquete is planned for RP4 (April 2022) and organized by WCons with support of all implementing PPs.

5.3.2.4 Deliverables and Outputs

The Port Knowledge Center will dedicate one section to the deliverables and outputs prepared in the framework of the DIONYSUS project. The section will be updated at the end of every reporting period

(December 2020, June 2021, December 2021, June 2022, December 2022). The information on the publishing of highly important deliverables & outputs will be shared within the extended inland port community.

5.3.3 Digital Initiatives Observatory

The Digital Initiatives Observatory consists of digitalisation initiatives along the logistics chains in line with RIS deployments, EU digitalisation policy goals, legislation and measures in relation to IWT.

The Observatory will consist of an interactive webpage which will be hosted on the DPN website and will be periodically updated (at least once a year). As such, the information published will support Deliverable T2.4.2 Yearly activity reports 2020, 2021, 2022.

The webpage is in such a way designed that it enables the visitor a fast and easy access to the most relevant information. By means of dedicated filters, the visitor will select the information which interest him/her the most, choosing between:

- country
- transnational projects,
- policy initiatives,
- dedicated working groups,
- funding opportunities.

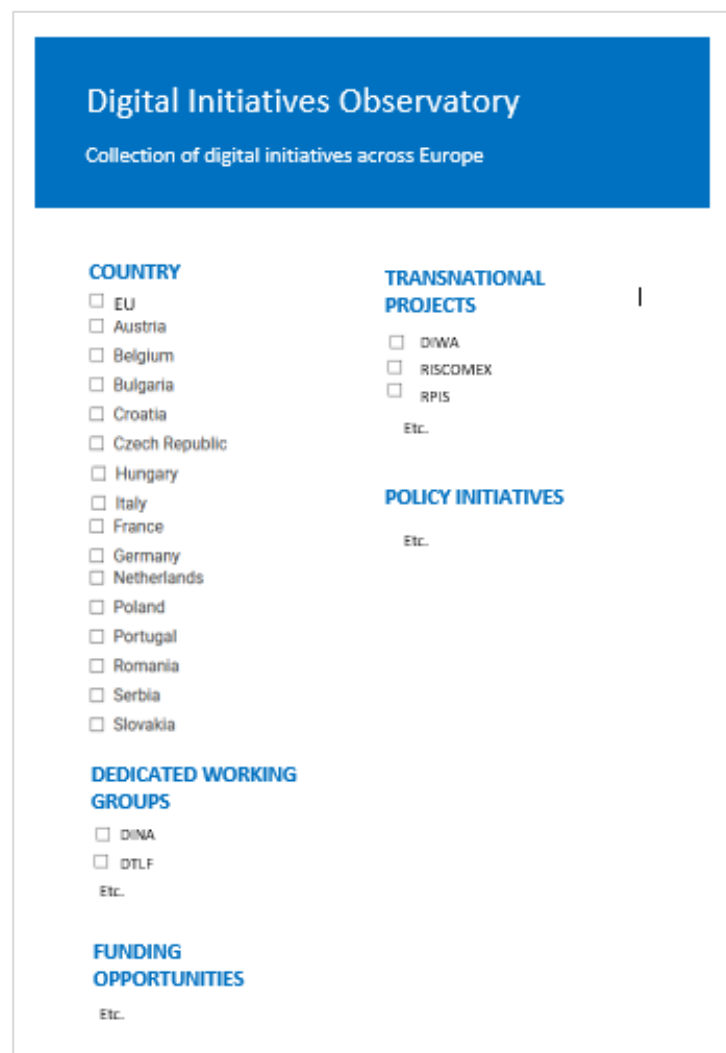


Figure 11: Draft concept of Digital Initiatives Observatory

6 Annexes

- [Timeline and overview of tasks](#)