

D4.1 DISSEMINATION AND COMMUNICATION PLAN V1



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References to this document - Acknowledgements

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Name Family Name, Name Family Name: " WARRANT Deliverable DX.X: Title", Revision 1, Month 2025.

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2.0	12.05.2025	Effie Simitzi	Started building up Chapters 1,2,3
3.0	30.05.2025	Effie Simitzi	Finalised Chapters 1,2,3
4.0	10.06.2025	Vasso Repa	Finalised Chapter 4
5.0	20.06.2025	Lars Andreas Lien Wennergberg	WP leader review and comments
6.0	01.07.2025	Effie Simitzi	Addressed WPL Comments
7.0	11.07.2025	Effie Simitzi	100% Draft version

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Acronyms

AB	Advisory Board
AI	Artificial Intelligence
DGS	Digitalisation for Green Shipping
EU	European Union
EOSP	European Open Science Policy
H2020	Horizon 2020
HE	Horizon Europe
IACS	International Association of Classification Societies
IEC	International Electrotechnical Commission
IPR	Intellectual Property Rights
KER	Key Exploitable Result
LL	Living Lab
OA	Open Access
OS	Open Science
R&D	Research and Innovation
WDS	Waterborne Digital Systems
WDSM	Waterborne Digital Systems Methodology
ZEWT	Zero-Emission Waterborne Transport

Executive Summary

This deliverable, D4.1 – Dissemination and Communication Plan V1, presents the initial strategy and implementation framework for all dissemination and communication activities within the WARRANT project. It defines the methods, timing, and target audiences for communicating project objectives, progress, and results.

As an output of Work Package 4, "Dissemination – Scale-up – Standardisation", and specifically within Task 4.1 "Dissemination and Industry Engagement", the document outlines:

- The WP4 strategy for dissemination and communication
- The project's visual identity and supporting tools
- Stakeholder and audience engagement activities

Given the cross-cutting nature of dissemination and communication, WP4 activities are closely coordinated with all other Work Packages. Project partners are expected to contribute systematically by implementing the tools and approaches described herein, ensuring consistent and effective outreach and visibility.

This is a public deliverable intended primarily for internal reference by project partners but will also be made publicly available via the WARRANT website under the "Public Documents" section.

1 Introduction

The Deliverable D4.1 Dissemination and Communication Plan v1, is one of the main outputs of WP4 “Dissemination – Scale-up – Standardisation”, and more specifically of Task 4.1 “Dissemination and Industry Engagement”.

The document outlines the overall project dissemination and communication strategy and associated actions, with the aim to define how and when dissemination will be achieved. Two further versions of this Deliverable will follow at M18 and M35, reporting on progresses and plans implemented.

The main contributor for this document is KNT as Task 4.1 leader, supported by TUD, leading the Scientific Dissemination and Industry Engagement activities and SINTEF, the WP4 leader. All the activities defined in this document are shared at WP4 level and they reflect the initial plan and guidelines for all partners whose contribution will be more evident in the two further versions of the Deliverable, above mentioned.

This deliverable reflects the WP4 intent: disseminating and communicating the objectives as well as the results of WARRANT, ensuring high-quality content distributed through relevant dissemination channels to target stakeholders such as the research institutes and academia, International Maritime Organization, technology providers, ship operators, Maritime safety and certification agencies, Port authorities and ship operators, but also Industry Associations & Policy Makers.

WP4 will also define the Innovation Management and Exploitation Strategy for WARRANT (T4.2: Innovation Management and Exploitation Strategy) and will also conduct regular training sessions every six months as part of T4.3 Cybersecurity Training to develop training materials of the WDSM methodology for the industry by the end of the project.

WP4 will also estimate the diffusion prospects of selected project Key Exploitable Results (KERs), by 2030 and 2050 (T4.4: Adoption pathways simulation and optimization).

Finally, WP4 will also disseminate and integrate WARRANT's results into technical specifications, standards, and policies, influencing the future implementation and operation of waterborne digital systems through Task 4.5: Capacity building – Standardization and policy recommendations.

The aspects strictly related to Innovation Management, Exploitation, Cybersecurity training and Adoption pathways simulation and optimization and Standardisation will be detailed in the dedicated Deliverables D4.4 through D4.7.

1.1 MAPPING WARRANT OUTPUTS

The purpose of the Table 1 below is to map WARRANT Grant Agreement commitments, both within the formal Deliverable and Task description, against the current document.

Table 1: Mapping WARRANT Outputs

WARRANT GA Component Title	WARRANT GA Component Outline	Respective Document Chapter(s)	Justification
DELIVERABLE			
D4.1 Dissemination and Communication Plan v1	<i>– This deliverable outlines a comprehensive plan to disseminate WARRANT outcomes to maximize impact across industry, academia, and policy-making spheres. Success is measured by engagement metrics, such as workshop participation, publication reach, and the establishment of the WARRANT Stakeholder Alliance, as developed in Task T4.1.</i>	<i>The complete document</i>	<i>The document outlines the overall project dissemination and communication strategy and associated actions, with the aim to define how and when dissemination will be achieved.</i>
TASK			
ST4.1.1 Dissemination & Communication Plan Activities and Website	<i>The initial D&C strategy will be refined to a detailed action plan for effective stakeholder engagement, based on the Lasswell and Berlo communication models: identify target stakeholders (WHO), expected results and key messages (WHAT), communication channels and tools (HOW), and an editorial calendar (WHEN) for D&C activities. The plan will align with EC recommendations, focusing on scientific dissemination in line with OS and OA principles. INLE will oversee the execution of D&C strategies, manage digital and social media presence, and regularly assess impact through established metrics and KPIs, with evaluations every six months. Key project outcomes will be presented in the form of news articles, reports,</i>	<i>Sections 2 & 3</i>	<i>This document provides a stakeholder-focused action plan guided by communication theory models (Lasswell and Berlo), as required. The strategy defines the “Who, What, How, and When” of project communication and ensures that messaging and channel selection are tailored to key stakeholder groups. It also ensures that all project social media accounts are integrated into the website, streamlining content access and audience engagement — thus fulfilling all aspects of the ST4.1.1</i>

WARRANT GA Component Title	WARRANT GA Component Outline	Respective Document Chapter(s)	Justification
	presentations etc. WARRANT will have accounts in several social media communities, such as X, Facebook, YouTube, and LinkedIn. All accounts will be integrated into the project website.		
ST4.1.2 Scientific Dissemination and Industry Engagement	WARRANT aims to widely disseminate its findings to both the scientific community and industry stakeholders. The consortium will publish articles in peer-reviewed journals like the <i>Journal of Marine Science and Technology</i> and present at top tier conferences such as ICMASS and ESREL. Additionally, industry engagement will be fostered through webinars, seminars, and participation in international fairs like SMM and NorShipping. Collaboration with other projects will ensure alignment and cross-project synergies, with joint activities at events like the Transport Research Arena. The WDS Alliance/Advisory Board will be established to build a community that sustains the WARRANT Methodology, with a focus on enhancing dependability and resilience through additional industry-relevant features. A key objective for the WDS Alliance will be Enriched dependability enhancements by additional industry stakeholders; for instance, how cloud-based solutions can be extended or replaced by inner IoT interoperability between Machine-to-Machine communication to facilitate real-time data exchange where	Section 4	This document fully covers ST4.1,2 by detailing plans for scientific dissemination through publications in peer-reviewed journals and presentations at major conferences, matching the subtask's goals. It also addresses industry engagement with participation in international conferences and collaboration. The formation of the WDS Alliance and Advisory Board supports community building and sustaining the WARRANT methodology, focusing on dependability and resilience.

WARRANT GA Component Title	WARRANT GA Component Outline	Respective Document Chapter(s)	Justification
	<i>connectivity does not favour cloud solutions.</i>		

2 Dissemination and Communication Strategy

2.1 WARRANT GENERAL AND DISSEMINATION/COMMUNICATION OBJECTIVES

WP4 plans and executes dissemination, scale-up, and standardisation initiatives to maximise the impact of the WARRANT project. This work package intends to strategically disseminate scientific advancements, engage the industry, and promote the adoption of WARRANT's methodology through coordinated efforts across channels and stakeholders. WARRANT will participate in CINEA-initiated information and dissemination initiatives to promote visibility and synergies among HE/H2020-supported actions.

2.2 ROLES AND RESPONSIBILITIES

WP4 is critical to the WARRANT project, as it ensures that its results are widely disseminated, effectively exploited, and in line with broader industry and policy developments. WP4, led by SINTEF (SO), is structured to promote communication, stakeholder engagement, innovation adoption, capacity building, and standardisation efforts across the maritime digital systems sector.

Task 4.1 is dedicated to dissemination and industry engagement. KNT leads the development and updating of the Dissemination and Communication Plan and supports the project's digital presence, including its website. INLE is responsible for monitoring and executing the dissemination strategy, including content development, management of social media, and reporting.

TUD, on the other hand, leads the activities that centre on scientific dissemination and industry engagement. Under TUD's coordination, the consortium will publish in peer-reviewed journals such as the Journal of Marine Science and Technology and present at high-profile conferences like ICMAS and ESREL. Industry outreach will be promoted through webinars, seminars, and participation in international trade fairs such as SMM and NorShipping. Collaboration with related projects will be pursued to ensure alignment and create synergies, including joint actions at major events like the Transport Research Arena. TUD will also contribute to the establishment of the WDS Alliance/Advisory Board, which aims to build a community supporting the long-term adoption of WARRANT Methodology.

INLE leads task 4.2, which focuses on innovation management and exploitation. INLE leads the identification of Key Exploitable Results (KERs), intellectual property management, and the design of commercialisation strategies. The task also ensures a coordinated input from partners into a joint exploitation framework that supports both individual and collective adoption of WARRANT innovations.

SD is the leader of task 4.3, which specializes in cybersecurity training. SD is responsible for designing and delivering targeted training sessions tailored to the maritime sector, aimed at raising awareness and building capabilities to address cybersecurity risks in Waterborne Digital Systems.

In Task 4.4, VLTN leads the simulation and optimisation of adoption pathways. This involves modelling the uptake of WARRANT solutions using agent-based simulations and identifying behavioural, technical, and economic factors that influence adoption scenarios.

Finally, Task 4.5, under the leadership of SINTEF (SO), involves capacity building, standardisation, and policy alignment. This includes engagement with international and EU standardisation and regulatory bodies (e.g. IMO, ISO, EMSA, DG MOVE), and the development of recommendations to align WARRANT outcomes with ongoing policy activities and contribute to future maritime standards.

To conclude, WP4 uses a structured and multi-actor strategy to ensure that the WARRANT project's outcomes are effectively communicated, broadly accepted and strategically aligned with the growing maritime digitalisation ecosystem.

2.3 TARGET AUDIENCE & KEY MESSAGES

Effective communication and dissemination of WARRANT results require the identification of the key Stakeholder groups and the formulation of customised messaging for each one. The strategy is built around engaging both direct recipients of the project outcomes and broader stakeholder communities that impact or are influenced by the adoption of resilient Waterborne Digital Systems (WDS). The table below outlines the primary stakeholder categories, their engagement objectives, and the core messages designed to address the specific interests of each group.

Table 2: Primary Target Audience & Key Messages

Target Groups (TG)	Description	Engagement Objective	Key Message
TG1 – Research Institutes and Academia	Universities, maritime research institutions, and R&D centres.	Promote collaboration in scientific research, encourage validation of project results, and stimulate further exploration in the field.	“WARRANT enhances Waterborne Digital Systems research through cutting-edge methodologies in AI, cybersecurity, and system dependability. Engage with us to co-develop pioneering maritime technologies.”
TG2 – Technology Providers	Companies and developers of software, hardware, and integrated digital systems for the maritime sector.	Facilitate co-development opportunities, ensure market alignment of technical solutions, and foster innovation adoption.	“WARRANT empowers technology developers to drive innovation in secure and resilient maritime systems, enabling future-ready and interoperable solutions.”

Target Groups (TG)	Description	Engagement Objective	Key Message
TG3 – Ship Operators	Commercial shipping companies, cruise lines, and logistics operators managing vessel operations.	Enhance awareness and adoption of solutions that improve safety, sustainability, and operational resilience.	“WARRANT delivers practical digital tools and methodologies to boost efficiency, safety, and sustainability in maritime operations.”
TG4 – Maritime Safety and Certification Agencies	Organizations responsible for maritime regulations, inspections, and certifications.	Facilitate alignment of WARRANT results with evolving safety and certification standards.	“WARRANT contributes to the next generation of maritime safety standards, offering validated tools and practices for resilient ship operations.”
TG5 – Port Authorities and Operators	Stakeholders managing port infrastructure, logistics, and vessel coordination.	Support digital transformation and strengthen port safety and interoperability.	“WARRANT provides digital frameworks and tools to enhance port efficiency, security, and integration within future maritime ecosystems.”

Secondary Stakeholder Groups

In addition to the primary groups listed above, WARRANT recognizes the importance of the following secondary stakeholders whose engagement supports long-term impact:

- **End Users and Vessel Crews:** As the ultimate users of onboard systems, their feedback and adoption are essential for practical implementation and validation.
- **Industry Associations and Policymakers:** These actors play a vital role in creating supportive regulatory frameworks, amplifying dissemination, and shaping sector-wide innovation agendas.

2.4 DISSEMINATION & COMMUNICATION DELIVERABLES

Three deliverables have been foreseen in the context of the Task: T4.1. Dissemination and Industry Engagement and they correspond to consequent updates of the first D4.1 Dissemination and communication plan v1 which is this document. The figure below presents the three planned deliverables of Task 4.1, including their titles, responsible partner, type, dissemination level, and due date.

Deliverable No	Deliverable Name	Lead Beneficiary	Type	Dissemination Level	Due Date
D4.1	Dissemination and Communication Plan v1	KNT	Document/Report	Public	M4
D4.2	Dissemination and Communication Plan v2	KNT	Document/Report	Public	M18
D4.3	Dissemination and Communication Plan v3	KNT	Document/Report	Public	M35

Figure 1: Task 4.1 Deliverables

2.5 DISSEMINATION & COMMUNICATION KPIS AND MONITORING

Figure 2 below summarises the key performance indicators (KPIs) defined for WARRANT's dissemination strategy.

KPIs	Dissemination Plan and Activities - Multi level approach					
	Scientific Publications	Technical specifications and standards	Policy Recommendations	Stakeholder Workshops and Webinars	Cybersecurity Training	External Events Conferences/ Symposium
TG1 – Research Institutes and academia International Maritime Organizations	✓				✓	✓
TG2 – Technology providers		✓		✓	✓	✓
TG3 – Ship operators				✓	✓	✓
TG4 – Maritime safety and certification agencies		✓	✓	✓		✓
TG5 – Port authorities and operators			✓			✓
Timeline	>M18, >M24, M36	M18->M36	M24->M36	M12-M14-M17- M24 to 29	Semiannually	Regularly
Indicator	N° / Citation	N° / Downloads	N° / Downloads	N° / Total Attendees	N° / Total Attendees	N°
Target (M36)	>19 / 1.2 per article	3/ >200	1 / >100	15/ >165	5/ >75	>20
Target (2030)	1.3 article	>300	>200	n/a	n/a	>30

Figure 2: Dissemination KPIs

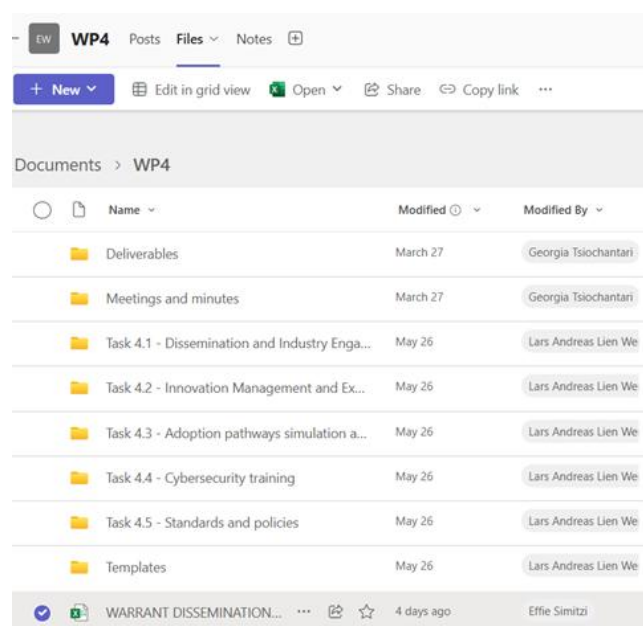
Figure 3 below summarises the key performance indicators (KPIs) defined for WARRANT's communication strategy.

KPIs	Communication Plan and Activities - Multi level approach						
	Project Website	LinkedIn	Youtube	X (Twitter)	E-newsletter	Media/Press Releases	Project Communication Material
TG1 – Research institutes and academia International Maritime Organizations	✓	✓	✓	✓	✓	✓	✓
TG2 – Technology providers	✓	✓	✓	✓	✓	✓	✓
TG3 – Ship operators	✓	✓	✓	✓	✓	✓	✓
TG4 – Maritime safety and certification agencies	✓	✓	✓	✓	✓	✓	✓
TG5 – Port authorities and operators	✓	✓	✓	✓	✓	✓	✓
Timeline	M3	Regularly	Regularly	Regularly	M1-M6-M12-M18-M24-M36	M1-M18-M24-M36	Regularly
Indicator	Visits	Followers	N° of Views	Followers	N° / Contacts	N° articles	Downloads
Target (M36)	>3.000	>500	>250	>500	6/ 600 subscribers	>10	>1.100
Target (2030)	>15.000	>800	>700	>800	n/a	n/a	n/a

Figure 3: Communication KPIs

2.5.1 Dissemination & Communication Tracker

Communication and dissemination activities are tracked in the Excel file located in the EXTERNAL WARRANT Teams environment. This file can be found in the project MS TEAMS repository. All partners are required to report their communication and dissemination activities in this file. Partners are requested to report these activities after they have taken place, to ensure accurate documentation and monitoring.



Name	Modified	Modified By
Deliverables	March 27	Georgia Tsiochantari
Meetings and minutes	March 27	Georgia Tsiochantari
Task 4.1 - Dissemination and Industry Enga...	May 26	Lars Andreas Lien We
Task 4.2 - Innovation Management and Ex...	May 26	Lars Andreas Lien We
Task 4.3 - Adoption pathways simulation a...	May 26	Lars Andreas Lien We
Task 4.4 - Cybersecurity training	May 26	Lars Andreas Lien We
Task 4.5 - Standards and policies	May 26	Lars Andreas Lien We
Templates	May 26	Lars Andreas Lien We
WARRANT DISSEMINATION...	4 days ago	Effie Simitz

Figure 4: Dissemination & Communication Tracker

3 Visual Identity & Dissemination Tools

3.1 LOGO

The creation of the project logo marked the starting point for establishing the overall visual identity of WARRANT. In early May 2025, several logo options, developed by KNT, were shared with the consortium for review. Following internal feedback and consensus, the consortium selected the final logo, which now serves as the main element of the project's branding across all communication materials and dissemination tools.



Figure 5: WARRANT logo

The WARRANT logo effectively portrays the project's focus on resilient and secure digital systems in the maritime industry, through a clean, modern, and professional design that balances technical credibility with visual clarity.

The logo features a modern Geologica font, conveying clarity, precision, and digital innovation—qualities aligned with WARRANT's technological and research-driven ethos. The font is bold, ensuring high visibility and immediate recognition, suitable for both print and digital applications.

The dominant blue tones convey trust, reliability, and are linked with the maritime sector. Blue is frequently used in EU projects and in cybersecurity contexts to emphasize themes of safety, intelligence, and depth.

The contrast between lighter and deeper blue hues adds visual hierarchy while maintaining a clean aesthetic.

The incorporation of a stylised "shield-like" ship deck or "network node" design symbolises protection, dependability, and system connectivity, all of which are key aspects of the WARRANT focus on cybersecurity, resilience, and interoperable Waterborne Digital Systems (WDS).

3.2 PROJECT WEBSITE

Following the design and selection of the project logo, the next step in completing WARRANT's visual identity was the creation of its official website. In June, the domain www.WARRANT-project.eu was secured, marking the official start of the website's development.

The website will serve as one of the project's key dissemination and communication tools, providing updates on WARRANT's progress, sharing results, and offering access to public documents. Designed as a dynamic, evolving platform, the website will grow alongside the project, reflecting its evolution from launch through to completion.

The official website of the WARRANT project — www.WARRANT-project.eu — is a central communication and dissemination hub for the Horizon Europe-funded initiative focused on secure and resilient Waterborne Digital Systems (WDS). Designed as a dynamic, evolving platform, the website provides up-to-date information on the project's objectives, activities, and results.

It offers comprehensive access to:

- The project's vision, methodology, and technical approach
- Details on the four Living Labs, where innovations are validated in real-world maritime scenarios
- Updates through a News & Events section
- Open access to public deliverables and documents
- Background on the WDS Alliance, promoting stakeholder-driven co-creation and standardisation
- Contact points for collaboration and engagement

The website reflects the multidisciplinary nature of the WARRANT consortium and serves as a long-term reference for the project's progress and outputs. It is regularly updated throughout the project's lifecycle (2025–2028) to ensure transparent and broad dissemination of knowledge and outcomes.

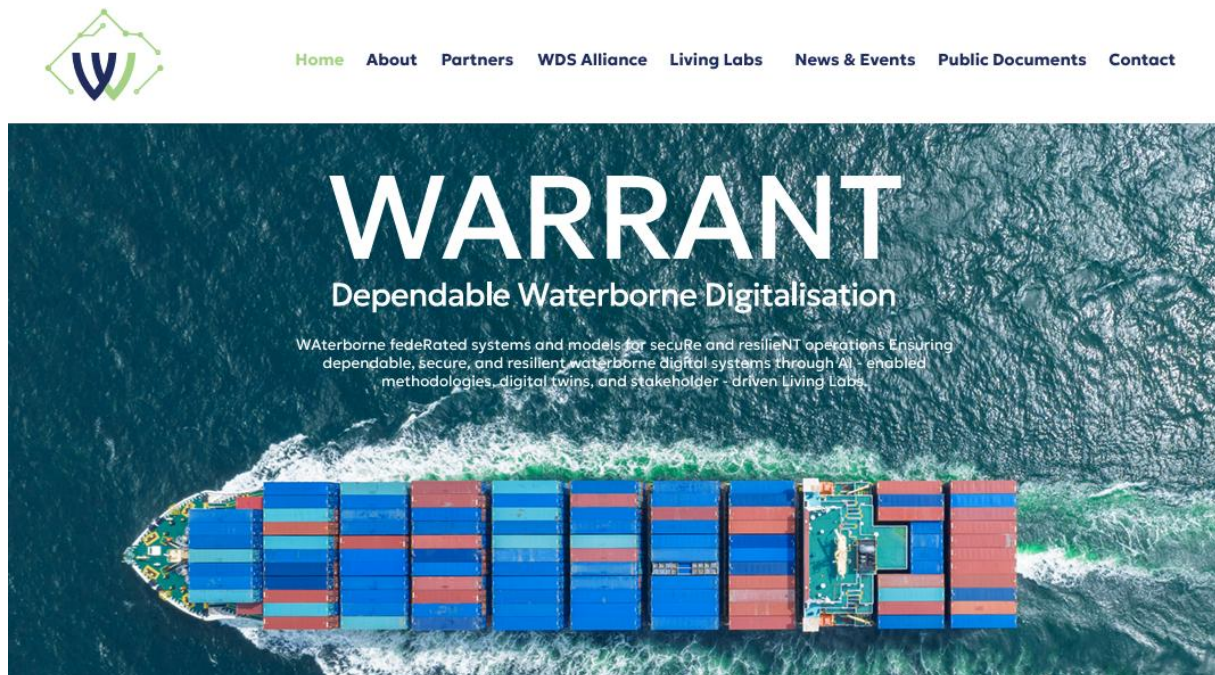


Figure 6: Homepage of the WARRANT Project Website

All content on the WARRANT website is offered in an easily accessible format, meaning all target groups (including the general public) can be informed about the project.

3.3 PROJECT TEMPLATES

As part of the project's visual identity, templates for PowerPoint and Word documents were developed to ensure a consistent and recognisable presentation of WARRANT across all communication channels. These templates enable partners to share information in a visually cohesive manner during meetings, workshops, and events.

The PowerPoint template includes multiple slide formats, allowing flexibility for the clear presentation of content, including tables and charts, while remaining aligned with the project's branding.

All templates were finalised and distributed ahead of the Kick-Off Meeting in June 2025 and have been made available to all partners via the external MS Teams SharePoint platform.



WP 4: DISSEMINATION – SCALE-UP – STANDARDISATION

TASK 4.1 – DISSEMINATION AND INDUSTRY ENGAGEMENT



OVERVIEW – TASK 4.1: DISSEMINATION AND INDUSTRY ENGAGEMENT

- Task Leader: KNT
- Contributing Partners: ALL
- Duration: M1–M35
- Subtasks:
 - ✓ ST4.1.1 Dissemination & Communication Plan Activities and Website (KNT; ALL)
 - ✓ ST4.1.2 Scientific Dissemination and Industry Engagement (TUD; SO, SD, NTUA, TEC, INLE)
- Objective: Develop and implement a comprehensive Dissemination & Communication (D&C) strategy and engage with industry stakeholders to maximise project visibility and impact.

Figure 7: Examples of WARRANT Project Presentation Templates

3.4 PROJECT PROMOTIONAL MATERIALS

3.4.1 Project Brochure And Flyers

A first project brochure will be created for the WARRANT participation in external events and conferences. The brochure will include:

- A general project description
- Main objectives
- Information on the LLs
- Useful information related to funding programme, project duration, numbers of partners
- Partners' logos
- Project website and social media account
- EU flag and the due disclaimer.

As many conferences and events are now paperless, the brochure is to be printed or presented on screen, according to the requirements set by each conference/event.

3.4.2 Project Roll Up Banner

A roll-up banner is among the dissemination materials foreseen in the WARRANT Grant Agreement, as listed under the project's allocated budget for communication tools. To support the project's visibility at events, a roll-up has been designed featuring the project logo, an explanation of the acronym, partner logos, the website and social media account, as well as the EU flag and the official funding disclaimer.



PROJECT SUMMARY

WARRANT is a Horizon Europe Research & Innovation Action that develops a unified methodology and digital platform to enhance the safety, resilience, and cybersecurity of Waterborne Digital Systems (WDS). The project addresses the challenges of modern maritime digitalisation by combining AI - enabled risk analysis, federated data spaces, and real - world validation through four Living Labs. WARRANT supports smarter, greener, and safer shipping aligned with European policy goals.

WARRANT Project Details

Grant Agreement No: 101022381
Duration: 01/04/2025 - 31/03/2028
Call: Horizon Europe (HORIZON - CL5 - 2024 - D6 - 01)
Topic: HORIZON - CL5 - 2024 - D6 - 01 - 10
Budget: 4687682.50 €
Partners: 12 + 2 Associated Partners
Project Coordinator: Inlecom Group

in @WARRANT-PROJECT

x @WARRANTEU

yt @WARRANT PROJECT



LIVING LABS

WARRANT validates its methodology and tools through four real-world Living Labs (LLs). These Labs bring together technology developers, vessel operators, port authorities, and classification bodies to test Waterborne Digital Systems (WDS) under realistic conditions. Each LL targets a distinct operational scenario and feeds evidence back into the WARRANT Knowledge Platform and Methodology.



LL1
CONTAINERSHIPS
(DANAOS)



LL2
SMART CONTAINERS
(AELER)



LL3
AUTONOMOUS GREEN VESSELS
(DST)



LL4
REMOTE OPERATIONS
(SEAFAR)

Partners



Figure 8: Project Roll Up Banner

The design will be finalised ahead of any events and has been shared with all partners, enabling them to print and use the banner when representing the project at relevant conferences, meetings, and public events.

3.4.3 Project Video

In addition, the project plans to produce visual communication materials, including a project video, to support wider outreach and engagement. The use of YouTube as a dissemination channel is explicitly referenced in the Grant Agreement, highlighting the role of audiovisual content in communicating WARRANT's objectives, activities, and outcomes to a broader audience.

In the context of the series of scientific workshops to be organised—each focusing on specific technical aspects of WARRANT—the video recording of sessions, where feasible (depending on the confidentiality level of the shared content), will also be disseminated via the project website, social media platforms, and YouTube channel, further growing the reach and impact of the knowledge shared.

3.4.4 Project Images

The project will primarily use two types of images to support its communication and dissemination efforts:

- General thematic images related to the project's core topics sourced from Envato. Elements (<https://elements.envato.com/>). All images will be downloaded with the appropriate license to ensure proper usage and compliance.
- Custom-designed visuals developed by a professional graphic designer to convey specific messages and highlight key aspects of the project.

In both cases, all necessary precautions are taken to avoid any issues related to intellectual property rights. Examples of both image types can currently be found on the project website.

3.4.5 Social Media

In the context of its dissemination and communication activities, WARRANT will be supported by two social media channels and a YouTube dedicated channel:

X/Twitter: @WARRANTeu, was created and has been active since June 2025, just before the project's Kick-off Meeting. X social media channel allows quick communication through images and short texts. Posts are both related to project news and to news linked to project topics. In the posts related to project news, featured accounts or individuals are tagged, and a direct link to the project account is included when possible. Project partners are also tagged when relevant. Content from potential multipliers and sister initiatives is reshared to support consistent growth in the WARRANT's follower base. In this sense, the support of all the project partners retweeting and sharing the channel contents is fundamental. Specific hashtags are used and mainly: #WARRANTproject #HorizonEU #MaritimeInnovation #AutonomousShipping #Cybersecurity #SmartShipping #EUresearch #WaterborneDigitalSystems #MaritimeDigitalisation.



Figure 9: The WARRANT X/Twitter account

LinkedIn: The WARRANT project LinkedIn page has been active since June 2025, just ahead of the project's Kick-off Meeting. This platform enables the sharing of more in-depth and tailored content, making it ideal for building a targeted community of experts in the field.

Posts cover both project-specific updates and broader news related to the project's core themes. Where possible, posts include direct links to the project website, and relevant project partners are tagged to increase visibility and engagement.

To support steady growth in followers and outreach, content from potential multipliers, sister initiatives and accounts from the maritime sector is regularly reshared. In this context, the active support of all project partners, through reposting and sharing the page's content, is essential to maximising visibility and engagement across the community.

Specific hashtags are used and mainly the following: #WARRANTproject #HorizonEU #MaritimeInnovation #AutonomousShipping #Cybersecurity #SmartShipping #EUresearch #WaterborneDigitalSystems #MaritimeDigitalisation.

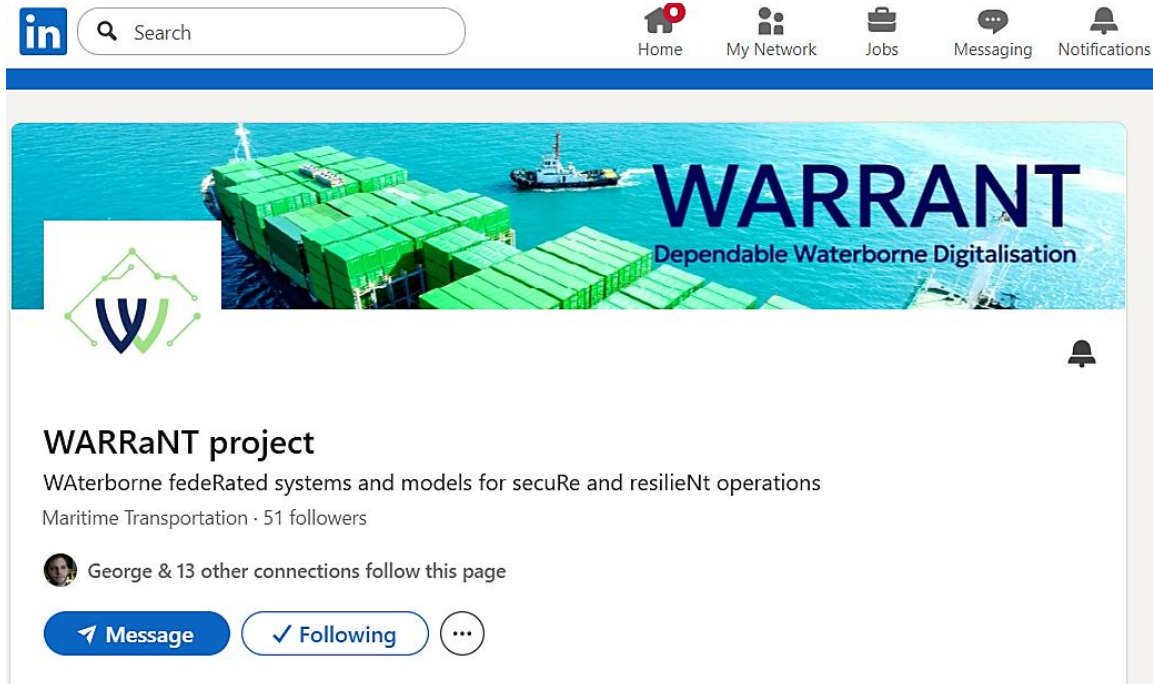


Figure 10: The WARRANT LinkedIn account

YouTube: YouTube serves as a dynamic and engaging dissemination tool for the WARRANT project. It enables us to share video content such as project explainers, event highlights, interviews, and technical demonstrations in a visually impactful manner. By leveraging the platform's broad reach and accessibility, we can effectively communicate complex topics to both expert and non-expert audiences, increase visibility, and boost engagement. YouTube also complements our other communication channels by offering multimedia storytelling that will bring WARRANT's progress and outcomes to life. The project's account can be found using the @WARRANTProject.

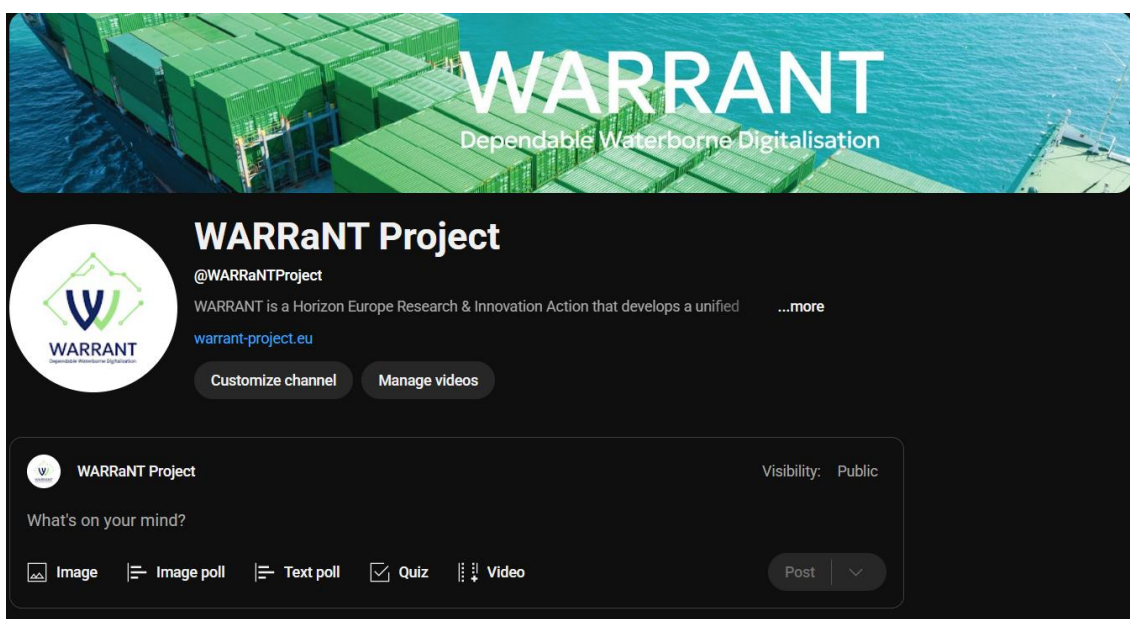


Figure 11: The WARRANT YouTube channel

3.5 NEWSLETTERS

WARRANT will publish at least six electronic newsletters throughout the project's duration. These newsletters are intended to keep stakeholders updated on the project's progress, results, events, and opportunities for engagement. They will be disseminated using email marketing tools such as Sendinblue or Mailchimp and will be made available through the project website.

Each edition will include curated content including updates on work package milestones, future and past events, partner interviews, dissemination highlights, and major policy or industry news. The tone will be instructive and accessible, targeted to both technical and non-technical audiences from the industry, research, and policymaking sectors.

The newsletters aim to build the project's stakeholder community and foster long-term engagement by providing consistent, value-driven communication. Visual consistency will be maintained through the application of the project's established visual identity criteria.

3.6 PRESS RELEASES

WARRANT's communication efforts include press activities, which will be carried out throughout the project's duration. According to the Grant Agreement, dissemination through traditional and digital media, including official European Commission channels, will be used to maximise visibility.

Press releases will serve as a tool to communicate key project milestones, results, and events to the public and targeted Stakeholders. These releases will be drafted in accessible language, avoiding technical terminology to ensure clarity and wider reach. Topics may include the launch of the WARRANT Knowledge Platform, the outcomes of Living Lab demonstrations, participation in high-profile events, or synergies with sister EU-funded projects.

Coordination of press-related activities will be managed by the communication leads under WP4, in close collaboration with partners involved in key events or milestones and distributed to relevant media contacts to guarantee a multiplier effect.

Content will be also promoted through the project's digital channels, to ensure consistency and amplification of the messaging.

The first press release of the WARRANT project was published on 26 June 2025, shortly after the successful physical Kick-Off Meeting, which took place on 24–25 June 2025. The press release announced the official launch of the project and outlined its key objectives and ambitions. It received broad visibility through its publication on prominent maritime and industry platforms such as Hellenic Shipping News, Sea News UK, Riviera Maritime Media, Maritime Technology Review and Port Strategy. To ensure ongoing accessibility and visibility, the press release is also available on the project website, serving as a key reference point for stakeholders and the wider public.

Home / Shipping News / International Shipping News / WARRANT Project Launches to Drive Safe, Secure and Resilient Maritime Digitalisation Across Europe

WARRaNT Project Launches to Drive Safe, Secure and Resilient Maritime Digitalisation Across Europe

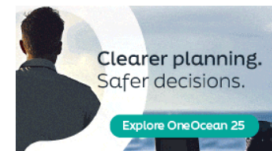
in International Shipping News 27/06/2025



As maritime shipping and inland waterway transport undergoes rapid digital transformation, Europe faces a critical challenge – how to make digitalised vessels not just smarter, but also safer, more secure and resilient.

Enter WARRaNT — Waterborne fedeRated systems and models for secuRe and resilieNT operations — a new EU-funded initiative bringing together 14 leading organisations from across Europe in a strategic three-year mission, which had its physical kick-off meeting held in Athens (Greece) on 24-25 June 2025. The project aims to develop and validate pioneering methodologies for the safe, secure and dependable operation of

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Safety & Security

Inside Europe's New Maritime Cybersecurity Initiative

By Corina Stoicescu June 27, 2025

725 0

Europe's maritime and inland waterway transport sectors embrace rapid digitalisation, but the challenge ahead is no longer just about innovation; it's about protection. As vessels become increasingly connected, the need to ensure their systems are secure, resilient and dependable has never been more urgent.

In response, a new EU-funded initiative, WARRaNT (Waterborne fedeRated systems and models for secuRe and resilieNT operations), has officially launched, uniting 14 leading organisations from across Europe. The project kicked off with an in-person meeting in Athens on 24-25 June 2025, marking the start of a three-year mission to future-proof the digital backbone of European shipping.

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Members of the WARRANT project celebrated the start of this three-year development and testing programme in Athens, Greece (source: WARRANT)

EU project to test autonomous vessel technologies

EU Launches WARRANT to Secure Europe's Digital Maritime Future

By Aria Patel / June 27, 2025



Europe's maritime and inland waterway transport sectors are undergoing rapid digitalisation, but the challenge has shifted from mere innovation to robust protection. As vessels become more connected, ensuring their systems are secure, resilient, and dependable has become urgent. In response, the EU-funded initiative WARRANT (WATERborne fedeRATED systems and models for secuRe and resilieNT

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OPERATIONS

Building a smarter resilient marine industry

07/07/2025

A new partnership created under the auspices of the **WARRaNT** project aims to enhance safe, secure and resilient marine digitalisation across Europe's maritime sector.

Backed by the EU's Horizon Europe programme, WARRaNT brings together 14 expert partners from eight countries in a three-year collaboration tasked with ensuring the security of the industry as automation, AI and smart technologies ramp up.



Source: Port of Antwerp-Bruges

Figure 12: The first press release of the project featured in various platforms

3.7 EU DISCLAIMER

Communication activities of the beneficiaries related to the action (including media relations, conferences, seminars, information material, such as brochures, leaflets, posters, presentations, etc., in electronic form, via traditional or social media, etc.), dissemination activities and any infrastructure, equipment, vehicles, supplies or major result funded by the grant must acknowledge EU support and display the EU flag (emblem) and funding statement (translated into local languages, where appropriate):



**Funded by
the European Union**

The emblem must remain distinct and separate and cannot be modified by adding other visual marks, brands or text. Apart from the emblem, no other visual identity or logo may be used to highlight the EU support. When displayed in association with other logos (e.g. of beneficiaries or sponsors), the emblem must be displayed at least as prominently and visibly as the other logos.

The beneficiaries may use the emblem without first obtaining approval from the granting authority. This does not, however, give them the right to exclusive use. Moreover, they may not appropriate the emblem or any similar trademark or logo, either by registration or by any other means.

4 Stakeholders Engagement

4.1 The Advisory Board

The WARRANT Advisory Board (AB) will consist of leading European entities selected to support the project in achieving its strategic, technical, and policy-oriented objectives (e.g. ENISA, KIOS Research and Innovation Center of Excellence, MARIN, Technical University of Denmark). The advisory board members shall have special interest in waterborne digital systems and complimentary competences and roles to that of the consortium members. The Advisory Board members will be nominated by the partners in the consortium, and the Project Steering Board will formally appoint the AB in the first period of the project

Board members will be invited to participate in focused events— such as workshops and stakeholder consultations— and one-one consultations with the consortium. The role of the AB is to provide critical feedback on project progress, to provide strategic advice to the direction and priorities within the project, and act as an extension of WARRANT into policy and standard organisations to ensure alignment and reinforce the relevance of WARRANT outcomes to these organisations pertinent processes and the present implementation challenges in the waterborne industry. The WARRANT consortium should consult AB on important decisions that form future direction of our work in the project.

4.2 The WDS Alliance

The Waterborne Digital Systems (WDS) Alliance will be established to create a durable, cross-sector stakeholder ecosystem focused on the advancement of dependable WDS. The WDS alliance will consist of stakeholders across the maritime and inland waterways value chain. The role of the WDS alliance is to support the project's technical work on development of methodologies, support tools, knowledge platform and adoption strategies for dependable WDS. This support will be in the form of providing requirements to the work and validate the results by applying one or more of the project outcomes and give feedback on the quality and usability of the methodologies and tools.

As such, the WDS Alliance serves as a collaborative user community and innovation forum, accelerating the uptake and evolution of WARRANT results. It will contribute directly to the co-creation of standards' proposals and policy recommendations.

WARRANT will ensure that the WDS Alliance is seamlessly integrated into the broader Digitalisation for Green Shipping (DGS) Alliance—initiated by the HEU DT4GS project (grant agreement no. 101056799) and currently coordinated by HEU FOREMAST (grant agreement no. 101138261) —with WARRANT taking the lead on the domain of Dependable WDS.

The WDS Alliance will be engaged via workshops, one-to-one consultations, and living lab use-case testing.

4.2.1 Objectives of the WDS Alliance

- Enhance interoperability, safety, and resilience across emerging WDS technologies
- Support validation and iterative refinement of WARRANT methodologies, support tools and the Knowledge Platform.

- Foster co-design of standards, policy recommendations, and best practices for dependable waterborne and digital ship systems.
- Promote transferability and scalability of WARRANT outcomes to wider waterborne and smart mobility contexts

4.2.2 Target groups for the WDS Alliance

Stakeholders Engaged

The Alliance will include, but is not limited to:

- WDS designers, autonomous and semi-autonomous vessels integrators, and shipbuilders.
- Original equipment manufacturers (sensors, automation, AI, cybersecurity).
- Classification societies and regulatory bodies (e.g. IMO, EMSA, IACS).
- Shipowners and operators.
- Insurers and risk analysts.
- Port authorities and mobility platform providers.

Taking advantage of the strong network of the WARRANT partners, invitations will be sent to potential stakeholders who are members of organizations, forums, platforms in the maritime sector including without limited to: Waterborne Technology Platform (<https://www.waterborne.eu/>), Rotterdam Maritime Capital of Europe (<https://www.rotterdammaritimecapital.com/>), Netherlands Forum for Smart Shipping SMASH! (<https://smashnederland.nl/en/about-smash/>), AIPort Center (<https://aiportcenter.nl/>), Dutch Naval Design (<https://dutchnavaldesign.nl/>). In addition, we will identify all the “sister” projects (e.g. SEAMLESS) and invite the partners to join WARRANT alliance.

4.2.3 Engagement activities for the WDS Alliance

How to Participate

- Subscribe to the WDS Alliance mailing list for updates and invitations.
- Join stakeholder co-creation workshops/webinars arranged by WARRANT.
- Attend dedicated sessions at major maritime and transport events. (e.g. SMM, NorShipping, TRA)
- Contribute to policy and assurance briefings shaping future regulatory frameworks.
- Participate in one-to-one sessions with WARRANT consortium members.

Note that the Advisory Board members may also hold membership in the WDS Alliance to ensure a seamless bridge between the strategic role of the AB and the broader stakeholder engagement the WDS Alliance.

4.3 INTERNATIONAL CONFERENCES AND PEER-REVIEWED JOURNALS

One of the main goals of the WARRANT project is to publish the novel research results in peer-reviewed Q1 journals (represent the top 25% of publication with highest impact) in the field of marine engineering, transportation systems and safety. Targeted journals will be: Ocean Engineering, IEEE Open Journal Intelligent Transportation Systems, IEEE Transactions on Intelligent Transportation Systems, European Transport Research Review, Safety Science. In addition, we will explore the possibility of coordination with other relevant Projects for the organization of Special Issues in the aforementioned journals.

In addition to the journal publications, we will aim to participate in major **International Conferences in the fields of marine engineering, transportation, safety and security**, where we will have the opportunity to disseminate the WARRANT results and benefit from interaction with the conference participants. Targeted conferences will be: International Conference on Maritime Autonomous Systems and Shipping (ICMASS), European Safety and Reliability (ESREL), International Marine Design Conference (IMDC), IFAC Conference on Marine Systems, Robotics and Vehicles (CAMS), which will be organized by TU Delft in 2028, IFAC SAFEPROCESS, which will be organized by TU Delft in 2027. These conferences offer an excellent opportunity for the organization of **Invited/Special Sessions and/or panels/roundtables**.

4.4 EVENTS PARTICIPATION AND ORGANISATION

Together with the international conference's participation, WARRANT results will be disseminated in major relevant events such as the Transport Research Arena 2026/2028 and NOR Shipping 2027. For events outside the EU, prior approval by the EC Project Officer is required.

The following table outlines a selection of key events—such as conferences, industry fairs, and webinars—where WARRANT results will be disseminated.

Table 3: Events (Conferences, Industry Fairs, Webinars, etc.)

Title	Date	Location	Type of Event	Link
MIIP Project Webinar 1 "Requirement analysis and safety evaluation criteria for autonomous marine navigation systems"	September 4	Online	Webinar	https://maritiemland.nl/miip003-roadmap-towards-standardized-criteria-and-evaluation-methods-for-autonomous-systems-of-unmanned-surface-vessels/
MIIP Project Webinar 2 "Standards in perception and actuation capabilities of USVs"	September 18	Online	Webinar	https://maritiemland.nl/miip003-roadmap-towards-standardized-criteria-and-evaluation-methods-for-autonomous-systems-of-unmanned-surface-vessels/
MIIP Project Webinar 3 "Standardized criteria towards intelligent and reliable USV operations"	October 2	Online	Webinar	https://maritiemland.nl/miip003-roadmap-towards-standardized-criteria-and-evaluation-methods-for-autonomous-systems-of-unmanned-surface-vessels/

Title	Date	Location	Type of Event	Link
8th ICMASS Conference	October 8-9	Hamburg	Conference	https://www.dgon-icmass.org/en/home
MS&D the international conference on maritime security and defence	November 25	Hamburg	International Conference	https://www.smm-hamburg.com/programme/msd-conference
Maritime Reconnaissance and Surveillance Technology	27-28/1/2026	London	International Conference	https://www.smgconferences.com/defence/uk/conference/Maritime-Reconnaissance?utm_source=chatgpt.com
The Waterborne Symposium	8-14/2/2026	N.Orleans	Symposium	https://www.waterbornesymposium.com/
Transport Research Arena	18-21/5/2026	Budapest	Research and Innovation Conference	https://traconference.eu/programme/call-for-papers
SMM (Shipbuilding, Machinery and Marine Technology trade fair)	1-4/9/2026	Hamburg	Fair	https://www.smm-hamburg.com/
NOR Shipping	7-11/6/2027	Norway (Oslo, Lillestrøm)	Exhibition/Con ference	https://nor-shipping.com/
International Conference on Maritime Autonomous Systems and Shipping (ICMASS) 2026/2027	To be defined	To be defined	International Conference	To be defined
European Safety and Reliability (ESREL) 2027	To be defined	To be defined	International conference	To be defined
International Marine Design Conference (IMDC),	To be defined	To be defined	International conference	To be defined
IFAC Conference on Marine Systems, Robotics and Vehicles (CAMS) 2027	To be defined	Croatia	International conference	To be defined
IFAC Conference on Marine Systems, Robotics and Vehicles (CAMS) 2028	To be defined	Delft	International conference	To be defined
IFAC Fault Detection, Supervision and Safety for	29/6-2/7/2027	Delft	International conference	To be defined

Title	Date	Location	Type of Event	Link
Technical Processes (SAFEPROCESS) 2027				

4.5 CROSS-PROJECT SYNERGIES

Synergies with relevant projects will be stimulated via the WARRANT alliance, aiming to collaborate on complementary aspects and on enhancing the knowledge hub. The training sessions developed in this WP will be an excellent opportunity to transfer know-how to WARRANT partners, receive meaningful feedback and foster synergies.

The following table lists sister projects and related EU initiatives that share common objectives with WARRANT.

Table 4: Sister Projects / Related EU Initiatives

Project Title	Description
SEAMLESS	https://www.seamless-project.eu/ SEAMLESS aims at developing and adapting missing technology building blocks and key enabling technologies into a fully automated, economically viable, cost-effective, and resilient waterborne freight feeder service for Short Sea Shipping (SSS) and Inland Waterways Transport (IWT).
MIIP	https://maritiemland.nl/miip003-roadmap-towards-standardized-criteria-and-evaluation-methods-for-autonomous-systems-of-unmanned-surface-vessels/ The project "Roadmap towards Standardized Criteria and Evaluation Methods for Autonomous Systems of Unmanned Surface Vessels (USVs)" investigates (international) developments in the field of standardization and evaluation of autonomy systems for USVs. Within the SMASH! USV Working Group, experts and stakeholders involved in USV developments developed a vision in 2024 that standardizing safety criteria at the international level is a prerequisite for scaling up the deployment of Dutch USVs. This project aims to contribute to this.
Waterborne Technology Platform	https://www.waterborne.eu/ WATERBORNE has been set up as an industry-oriented Technology Platform to establish a continuous dialogue between all waterborne stakeholders, such as classification societies, shipbuilders, shipowners, maritime equipment manufacturers, infrastructure and service providers, universities or research institutes, and with the EU Institutions, including Member States.
CEPOLAR	The new project, Centre of Excellence for Scenario-based Risk Management in Polar Waters (CEPOLAR), aims to provide risk-based guidelines which holistically consider the impact of risks in ice infested waters. It combines several areas, like expertise in design methods, the ice environment, ship-ice interaction, and structural damage and consequence analysis.
EfficienSea2	EfficienSea2 has created and implemented innovative and smart solutions for efficient, safe and sustainable traffic at sea through improved connectivity for

Project Title	Description
	ships. EfficienSea2 has been a demonstrator in the Arctic and Baltic Sea and the first generation of a coherent e-Navigation solution. Through global collaboration, use of open-source software and an explicit aim for standardised solutions, EfficienSea2 paved the way for a global roll-out of e-Navigation. https://smashnederland.nl/
SMASH!	Dutch forum for Smart Shipping (SMASH!) SMASH!, brings the Dutch maritime sector together to implement smart shipping and strengthen the Dutch international competitive position. In the Netherlands, a large number of companies, government and knowledge institutions are working on smart shipping and developments in the field of autonomous sailing. Currently these initiatives are very fragmented. By working together on a national scale, regional initiatives can be connected and generate a bigger impact. https://www.nwo.nl/en/projects/kich1ve0220010
FUSION:	Naval vessels are valuable national assets, so it is important to maximize their efficiency, operability, and longevity. These aims can be accomplished by utilizing smart-sensing systems onboard, which keep track of the loading a vessel experiences, the resulting response of a vessel, and the current structural health state due to that loading and response over its lifetime. With these parameters, it is possible to allow for vessel service life extension, to maximize operability using optimized maintenance schedules and to improve the design of future vessels. Such systems allow for leaner and more efficient defense spending and safer operations for crew. https://www.nwo.nl/en/projects/raakpro03023
Smart Sensing for Informed Maintenance & Optimized Naval Design	
TODDIS:	TODDIS provides the technical background addressing the following observations: The TODDIS project arose from five observations: 1. The environment is forcing the maritime sector to radically change ship designs. On the one hand, this is technology-driven (e.g., with the aim of unmanned or low-manned navigation), and on the other, market-driven (in this case, the desired major reductions in emissions, particularly those of greenhouse gases). 2. Ship designers therefore need rapid design methods. There were and still are many such methods, but they are largely outdated. This "designer" can also be a machine that optimizes and evaluates many design variants in search of an optimum. 3. Ships are being equipped with sensors on a large scale, with a single sensor often measuring a single phenomenon and drawing conclusions about a single condition or device. 4. Many SMEs feel that it is time to start using artificial intelligence and Big Data effectively. 5. There is a significant lack of knowledge about this subject, among students, young and old professionals. https://www.nwo.nl/en/projects/kich1ve0220007
Transferring Operational Data into Design Information for Ships	
Survivable DC Power Systems for Ships	Energy transition, smart manning, and survivability are three of the main challenges of the maritime sector. This project investigates DC power system technology that facilitates these challenges. The technology integrates energy from renewable sources and is fault tolerant, enabling to continue operation after failures from wear, calamities such as fires and floods, or missile impact. The aim

Project Title	Description
InnoGuard: Hybrid and Generative Intelligence for Trustworthy Autonomous Cyber-Physical Systems	is that the Dutch maritime industry develops the capability to use this technology to build more reliable and more efficient ships with lower emissions. Despite the implementation and development of various green innovations that have stabilised or even reduced emissions in other sectors, the transport sector's greenhouse gas emissions continue to rise. This is likely due to the complex interplay between emission reductions and the sector's critical role in economic growth, which has outpaced current policies. In this context, the EU-funded PATH2ZERO project aims to assist stakeholders with a comprehensive knowledge base of data, policies, methodologies and tools to develop, assess, evaluate and benchmark novel policy decisions for net-zero transport pathways. It will also focus on better incorporating cross-sectoral assessments and fostering global collaboration. Additionally, the project will develop model frameworks to provide accurate information and forecasts on policies and EU strategies.
MERLIN: Demonstration of long-endurance intelligent multi-purpose autonomous vehicles for marine applications	Seas and oceans play a vital role in the economy and societal well-being, with offshore infrastructure like ports, wind farms and aquaculture facilities becoming increasingly common. However, traditional methods for seabed mapping and infrastructure inspection rely on expensive, crewed vessels with limited endurance. To address this, the EU-funded MERLIN project will deploy hydrogen-powered unmanned surface vessels and autonomous underwater vessels that operate autonomously using AI algorithms. These vessels will perform a range of tasks, including seabed mapping, habitat monitoring and port inspections, while collecting samples and recovering sensors. A mission remote control centre will enable seamless communication and command transmission, enhancing operational efficiency and expanding the vessels' capabilities for complex underwater missions.
TRANSCEND: Transport resilience against Cyber and Non-Cyber Events to prevent Network Disruption	The transport network is a crucial component of critical infrastructures, which are essential for the continuous operation and maintenance of logistics and the single market. EU policy has facilitated the development of an interconnected and easily accessible trans-European transport network, which, however, also increases the risk of disruptions or damage. The EU-funded TRANSCEND project aims to equip freight transport operators with an integrated set of tools, guidelines, and technological solutions to enhance protection, reduce risk, and improve resilience against various threats, both physical and cyber. To that end, the project will provide a digital platform to increase visibility and facilitate monitoring of threats and risks and will also develop five real-world pilots. https://marlen-network.eu/
MARLEN: Maritime Low Emission Network	The Zero-Emission Waterborne Transport (ZEW) partnership aims to achieve zero emissions in the waterborne transport sector by 2050. Reaching this target requires research, development, innovation and investment to address climate and environmental challenges while ensuring the safe deployment of new technologies. The EU-funded MarLEN project will support this mission by enhancing the European Research Area in waterborne research through the coordination of national and regional maritime research programmes aligned with the ZEW partnership. The project fosters transnational cooperation by facilitating

Project Title	Description
	information exchange among national programme owners, implementing joint initiatives and building on insights from previous efforts. Additionally, the network of maritime ministries and funding bodies will be expanded by integrating new organisations from partner countries.

4.6 PUBLICATIONS: OPEN SCIENCE APPROACH

WARRANT is committed to advancing Open Science (OS) by adhering to European Open Science Policy (EOSP) guidelines, promoting transparency, collaboration, and accessibility in research.

The expected publications will follow the open science approach. “Open” Journals will be preferred but also the publications will be stored in open access databases such as research.tudelft.nl and zenodo.org (<https://zenodo.org/>).

5 Conclusions

The WARRANT project considers dissemination and communication a key pillar for achieving its objectives and creating visibility around its work. From establishing a strong visual identity to engaging stakeholders, and activating outreach via social media, WARRANT will use a broad set of tools to connect with external audiences, both specialised and general, to inform them about the project's vision and outcomes.

In particular, raising awareness around dependability, safety, security, and resilience in Waterborne Digital Systems and operations of digitalised ships is central to the project. Dissemination activities will ensure that the tools, best practices, advancements and lessons emerging from the project, especially those validated through its four Living Labs, are shared, understood, and adopted by relevant communities and stakeholders.

The organisation of and participation in workshops and events will be key to sharing WARRANT's progress and results, and to building a strong project community. This includes stakeholders, experts, and the broader public interested in the project's challenges and themes. In this regard, the role of the WDS Alliance is of primary importance in amplifying outreach and engagement.

An update of this document will be available at M18 with "D4.2 – Dissemination and Communication Plan v2", and at M35 with "D4.3 – Dissemination and Communication Plan final version".

6 References

[1] EU Guidelines on projects communication:

https://rea.ec.europa.eu/communicating-about-your-eu-funded-project_en

[2] Project WARRANT, Grant Agreement 101202581, Annex I, Description of the Action, Part A, 21/03/2025

[3] Project WARRANT, Grant Agreement 101202581, Annex I, Description of the Action, Part B, 21/03/2025