



AutoMated Vessels and Supply Chain Optimisation for Sustainable Short SEa Shipping

D.8.3: MOSES Intermediate report on Communication, Dissemination and scientific activities

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List of Acronyms

Abbreviation / acronym	Description
D1.1	Deliverable number 1 belonging to WP 1
DOI	Digital Object Identifier
EC	European Commission
EU	European Union
H2020	Horizon 2020
KPI	Key Performance Indicators
MS Teams	Microsoft Teams
Mx	Month x
PO	Project Officer
PU	Public
RnD	Research and Development
SSS	Short Sea Shipping
Tx	Task x
URL	Uniform Resource Locator
WP	Work Package

Executive Summary

Communication, dissemination, and scientific activities are essential to assure the success of a project as ambitious and visionary as MOSES. Funded under the European Union's Horizon2020 Framework Programme, MOSES aims at significantly enhancing the Short Sea Shipping (SSS) component of the European container supply chain by addressing the vulnerabilities and strains related to the operation of large containerships. In this context, MOSES follows a two-fold strategy for reducing the total time to berth for TEN-T Hub Ports and stimulating the use of SSS feeder services to small ports (hub and spoke traffic) that have limited or no infrastructure.

The scope of this document is to provide a thorough overview of the communication, dissemination and scientific activities performed, organised and conducted from the beginning of the project until M18 (December 2021) from MOSES consortium partners. The overarching objective of dissemination, communication and scientific activities is to increase the awareness and the outreach of MOSES results, outputs as well as the technical work carried out within the first eighteen months, among all interested target audiences.

Deliverable *D.8.3: MOSES Intermediate report on Communication, Dissemination, and scientific activities*, includes the results of the activities performed in both tasks 8.1 *High impact Communication strategy and activities* and task 8.2 *Scientific dissemination*, as well as information and statistics about MOSES events and conferences, until M18. The document will also introduce an indicative list of activities that are planned to be performed in the next period with the view to meet the success criteria and the defined KPI's set in the Communication Plan, as part of D8.1 *MOSES Communication Strategy*.

1. Introduction

1.1 Purpose of the document

The purpose of D8.3 *Intermediate Report on Communication, Dissemination and scientific activities* is to report the communication, dissemination, scientific and activities organised and conducted within the first 18 months of the project duration (from July 2020 to December 2021). This deliverable has been prepared and delivered by SEAB, as lead beneficiary of the Work Package 8 ‘*Exploitation, Dissemination, Stakeholder engagement, and Policy Recommendations*’, towards recording the contribution from all MOSES project partners.

1.2 Intended readership

MOSES ‘*Intermediate Report on Communication, Dissemination and scientific activities*’ is a public deliverable, which reports all the results of the activities that have been implemented by M18, as well as information and statistics about MOSES events and Conferences. It is addressed not only to the consortium members, but also to any interested reader (i.e., PU dissemination level).

It is primarily written for the European Commission (EC), Project Officer (PO) and the consortium members of MOSES project, to inform them about MOSES communication, dissemination, and scientific actions. Special effort and focus have been given on making this report as a stand-alone document and comprehensible for the public.

1.3 Document Structure

This document is structured in seven sections. More in detail:

Section 1 introduces the purpose and scope of the document.

Section 2 provides a status description of MOSES communication and dissemination channels and tools.

Section 3 refers to MOSES scientific activities that have been conducted by M18.

Section 4 summarises MOSES attendance and participation in related events and workshops by M18.

Section 5 describes the performed clustering and networking activities during the first 18 months of the project.

Section 6 highlights the challenges raised during the first half of the project’s lifetime, as well as the next steps for the upcoming period.

Finally, section 7 provides the conclusion of the document.

2. MOSES communication and dissemination channels & tools

2.1 Website

MOSES website is the central hub of the project’s communication activities and is hosted under the following URL: <https://moses-h2020.eu>. The project website introduces MOSES project, providing up-to-date information in a simple way about the project’s objectives and priorities, the proposed technologies, the pilot scenarios, the news and events, the recorded videos, the project results, the related articles, and the developed material (e.g., public deliverables, open access publications, dissemination material etc.). MOSES webpage is frequently updated, including information about the project advances and developments, as well as the project’s participation and attendance in external events. The material hub remains, also, continuously updated with any corresponding material that derives from the partners’ activities. Further details about MOSES website structure are provided within D8.2 *MOSES Communication Kit*, in the subsection 4.1.

According to MOSES website analytics (figure 1), the total number of users reaches approximately the 2.104 users, within the first eighteen months of the project, while the website views have reached, within the same period, the number of 8.876. The new visitors of MOSES website consist of 83.7% of the total users, while the returning ones consist of 16.3%. Also, the average session¹ duration is approximately 03:13 and the total number of sessions, within the recorded period, is 3.555 sessions.

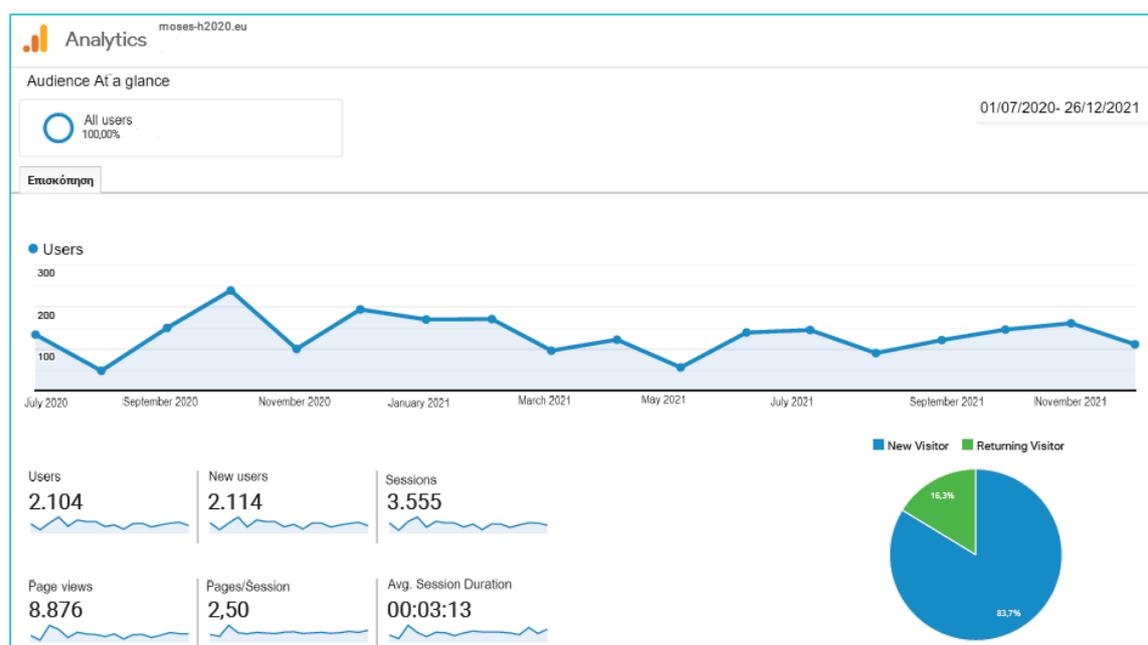


Figure 1 MOSES website analytics

¹ A session in Google Analytics is a group of interactions recorded when a user visits the website within a given period.

2.2 Social Networks

MOSES maintains, since its commencement, three social media accounts on Twitter, LinkedIn, and YouTube respectively, to maximize the dissemination of results and effectively increase the public engagement. All social media accounts are connected to the project's website and the visibility of all the accounts is continuously monitored and regularly evaluated using both quantitative measures obtained by its platform's analytics as well as, qualitative measures towards evaluating any type of comment that may be received. Related content announcements, for all MOSES partners' activities, as described in the following sub-chapters and chapters have been created and fertilised MOSES social media accounts.

2.2.1 Twitter

MOSES twitter account ([@thesesproject20](https://twitter.com/thesesproject20)) is used for presenting the latest news about the project with regular updates and photo material from MOSES partners' activities during meetings, workshops, and events, as well as retweets from related twitter accounts of similar initiatives and projects. SEAB oversees the daily management of this tool. Besides, all MOSES partners are responsible for increasing the awareness of this tool, by creating linkages to their accounts and by providing SEAB with relevant content and contributions related to their achievements.

MOSES twitter account counts 479 followers (up to M18). According to the Twitter analytics (figure 2 & 3), MOSES Tweets earned an average of 6 thousand impressions² over the last 90-day period and an average of 2.611 profile visits and 3.407 tweet impressions over the last month, between 29/11/2021-26/12/2021 (figure 4).

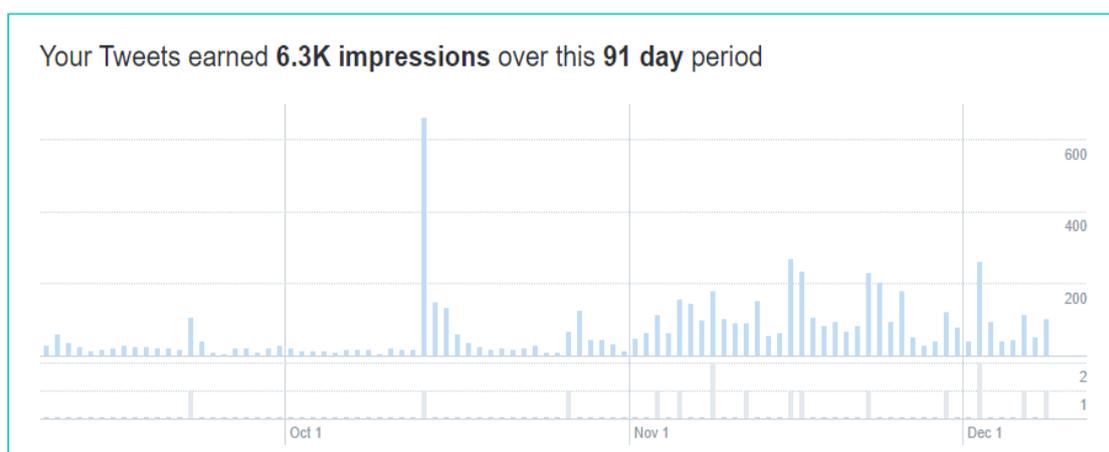


Figure 2 Twitter analytics on the impressions over a 90-day period

² Impressions on Twitter is a total tally of all the times the Tweet has been seen. This includes not only the times it appears in a one of the followers' timeline, but also the times it has appeared in search or as a result of someone liking the Tweet.

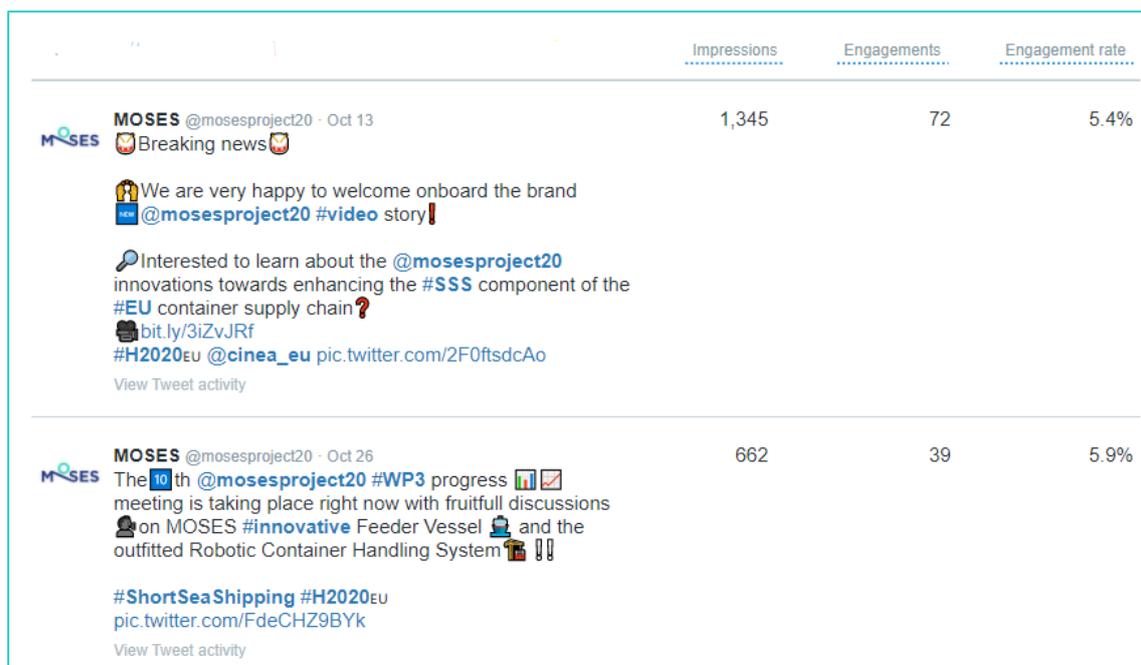


Figure 3 Twitter analytics on the impressions and engagements of two indicative posts



Figure 4 28-day summary (29/11/2021-26/12/2021) with change over previous period

2.2.2 [LinkedIn](#)

MOSES LinkedIn account (@*MOSES_project2020*) has been created to share relevant content, connect with already established prominent groups and transmit the project’s insights, concept, vision, and progress. LinkedIn account gathers 365 followers (up to M18).

According to the LinkedIn analytics, senior experts from the fields of research, logistics and supply chain and maritime constitute around 50% of the total visitors over the last 12 months (December 2020-December 2021) (figure 5). Also, the organic impressions³ for the LinkedIn posts over the last 12 months (December 2020-December 2021) have been reached approximately the 6.000 impressions by M18 (figure 6).

³ LinkedIn impressions are the views when an update is at least 50% on screen, or when it is clicked, whichever comes first. Organic impressions on LinkedIn refers to the number of times unpaid content is shown to members.



Figure 5 Account visitors over the last 12 months (December 2020-December 2021)

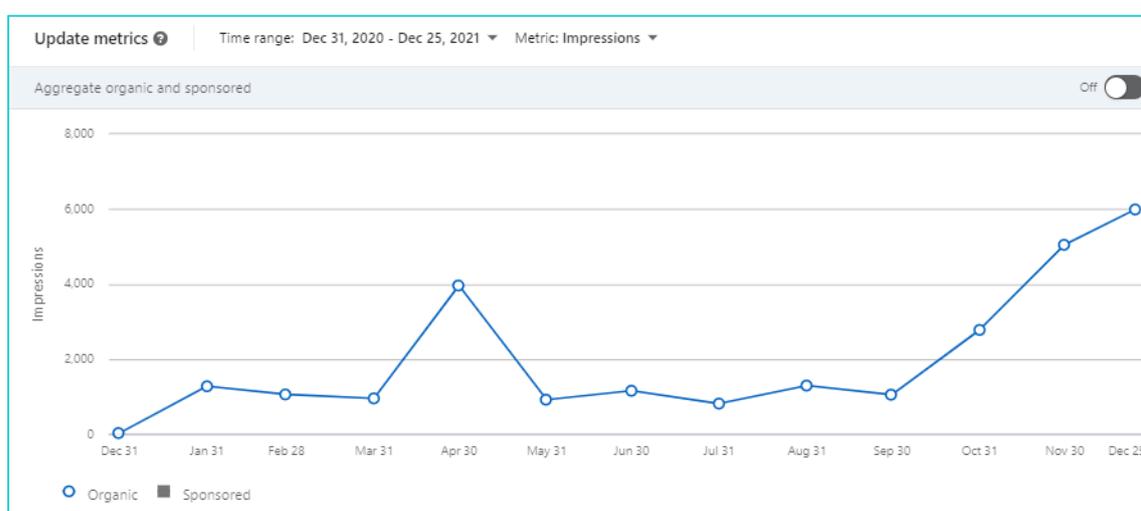


Figure 6 Organic impressions over the last 12 months (December 2020-December 2021)

2.2.3 YouTube

MOSES, also, maintains a YouTube channel, aiming at sharing videos related to the project achievements, in the context of its dissemination and communication activities. YouTube is considered a valuable channel for having stored, just in one place, the project’s audio-visual content, such as the general video, the project’s video campaigns, and pilot demonstrations as well as any other recorded material from the attended events. Up to M18, it has gathered 19 subscribers. Currently, its content has been enriched with three playlists (figure 7), as follow:

- 1st playlist on MOSES team video series, with the first 9 published videos from MOSES video communication campaign (available at : https://youtube.com/playlist?list=PLwk_V8a9dPWJ7O3rrHheK9GrRrY_5rid)
- 2nd playlist on MOSES project videos, with MOSES official project video (available at: https://youtube.com/playlist?list=PLwk_V8a9dPVCVc_VddwwdsjDyoxvxo1)
- 3rd playlist, with 5 videos deriving from the participation in related events, conferences and webinars (available at: https://youtube.com/playlist?list=PLwk_V8a9dPWVgxOtBqObZagC86tsws54).

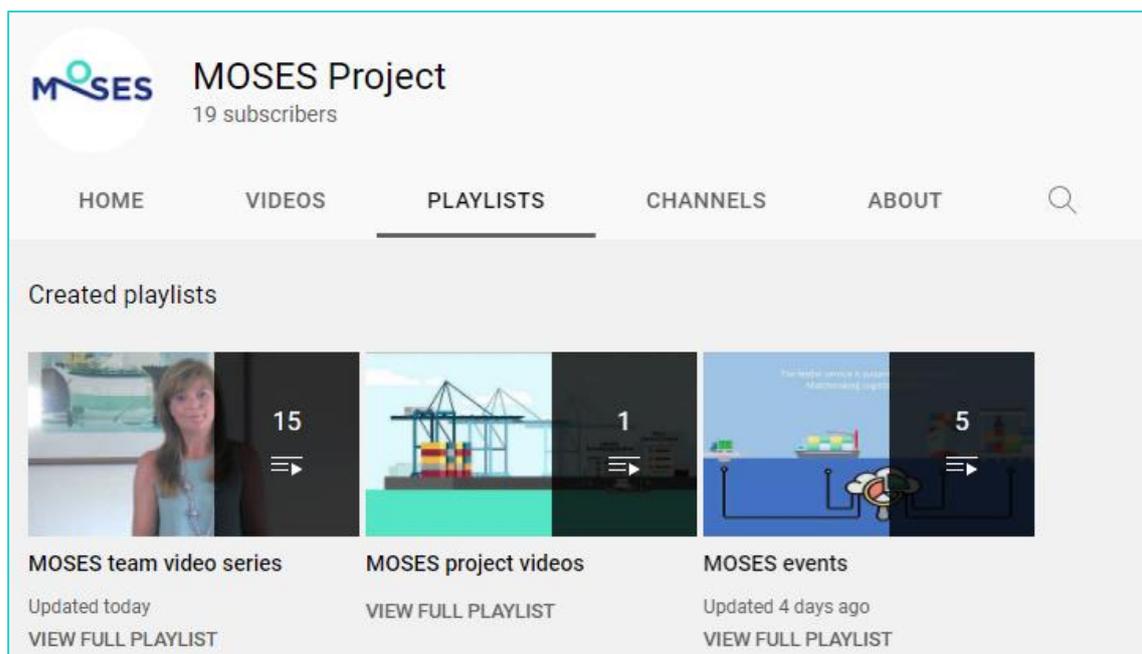


Figure 7 MOSES YouTube playlists

According to the YouTube analytics, MOSES YouTube channel since its creation on M01 (July 2020) it has reached an average of 1.200 views with 33,4 hours of watching. The most viewed video is the project’s official one with around 310 views (figure8).

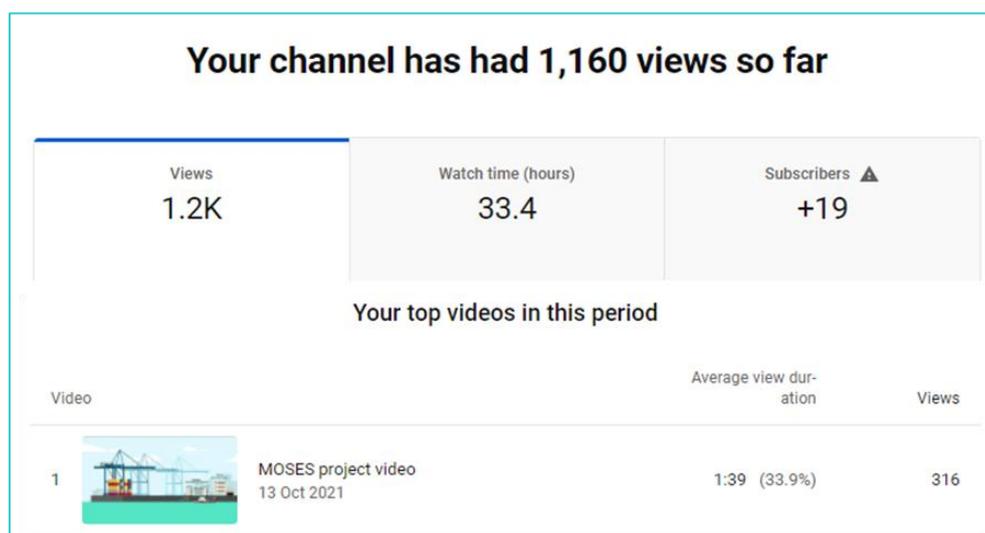


Figure 8 YouTube analytics on views and watching time

2.3 Press releases

Press releases play a significant role in highlighting the successes and advancements made by the project partners. Thus, since the beginning of the project, MOSES team has produced an important number of press releases, presented in the following table 1. MOSES press activities have been made available on MOSES website, in the material hub, under *Media Centre* section. Reference to press releases has been also made within D8.2 *MOSES Communication Kit*, in the subsection 3.4.

Table 1 MOSES press activities

MOSES Press Activities
<p>Kick-off press release, La Fundación Valenciaport participa en el proyecto MOSES, que tiene como objetivo mejorar el componente SSS de la cadena europea de suministro de contenedores, 14/07/2020 & 16/07/2020, VPF</p> <p>clipping 1: https://www.fundacion.valenciaport.com/noticias-eventos/2020/07/la-fundacion-valenciaport-participa-en-el-proyecto-moses-que-tiene-como-objetivo-mejorar-el-componente-sss-de-la-cadena-europea-de-suministro-de-contenedores/</p> <p>clipping 2: https://www.transportesenegocios.pt/proyecto-moses-quer-dinamizar-short-sea/</p> <p>clipping 3: https://www.diarioelcanal.com/el-proyecto-moses-mejorara-el-componente-sss-de-la-cadena-europea-de-suministro-de-contenedores/</p> <p>clipping 4: https://www.diariodelpuerto.com/noticia903</p> <p>clipping 5: https://innovadores.larazon.es/es/operativa-inteligente-logistica-portuaria-optimizar-transporte-corta-distancia/</p>
<p>Kick-off press release, SEAbility participates in MOSES H2020 project, 16/07/2020, SEAB</p> <p>clipping 1: https://seability.eu/2020/07/16/moses-kick-off-meeting-virtual/</p>
<p>Kick-off press release, CIRCLE S.p.A.: takes part to European project MOSES, which enhances modal shift for Short Sea Shipping (SSS), receiving a contribution of EUR 266.875, 16/07/2020, CIRCLE</p> <p>clipping 1: https://www.circletouch.eu/wp-content/uploads/2020/07/cs_circle_progetto-moses_2020_07_16_ita_sent.pdf</p> <p>clipping 2: https://www.circletouch.eu/wp-content/uploads/2020/07/cs_circle_progetto-moses_2020_07_16_eng_sent.pdf</p> <p>clipping 3: https://www.portseurope.com/circle-takes-part-to-european-project-moses-which-enhances-modal-shift-for-short-sea-shipping/</p> <p>clipping 4: https://m.marketscreener.com/news/latest/Press-release-CIRCLE-SpA-takes-part-to-European-project-MOSES-which-enhances-modal-shift-for-Short--30938175/</p> <p>clipping 5: https://www.shipmag.it/progetto-moses-circle-sara-partner-della-commissione-ue/</p> <p>clipping 6: https://www.messengeromarittimo.it/circle-partecipa-al-progetto-europeo-moses/</p> <p>clipping 7: https://pminews.it/circle-partecipa-al-progetto-ue-moses-aggiudicandosi-contributi-per-oltre-266k-e/</p> <p>clipping 8: https://www.ferpress.it/circle-partecipa-al-progetto-moses-lo-shift-modale-favore-del-trasporto-marittimo-corto-raggio-si-aggiudica-contributi-266-875/</p> <p>clipping 9: https://www.websim.it/articoli-websim/circle-si-aggiudica-267mila-euro-nellambito-del-moses/5beefcab12af4605aec47602adec0d11.wsm!</p>
<p>Kick-off press release, PROZERO signs up to MOSES project, 22/07/2020, ProZero (TUCCO)</p> <p>clipping 1: https://www.marinelog.com/news/prozero-participates-in-eu-funded-short-sea-shipping-project/</p> <p>clipping 2: https://maritime-executive.com/corporate/automated-vessels-supply-chain-optimisation-for-sustainable-shipping</p> <p>clipping 3: https://www.maritimejournal.com/news101/onboard-systems/monitoring-and-control/1255348.article</p> <p>clipping 4: https://www.bunkerspot.com/europe/50968-europe-prozero-signs-up-to-moses-project</p> <p>clipping 5: https://www.greenport.com/news101/Projects-and-Initiatives/short-sea-shipping-project-addresses-efficiency</p>
<p>Kick-off press release, Το Δημοτικό Λιμενικό Ταμείο Μυκόνου συμμετέχει στο έργο MOSES, 30/07/2020, MHM</p> <p>clipping 1: https://www.elime.gr/dtmykonos/item/1559-%CE%B4%CE%B5%CE%BB%CF%84%CE%B9%CE%BF%CF%84%CF%85%CF%80%CE%BF%CF%85-22-07-2020-%CE%B4%CE%B7%CE%BC%CE%BF%CF%84%CE%B9%CE%BA%CE%BF-%CE%BB%CE%B9%CE%BC%CF%84%CE%B1%CE%BC%CE%B5%CE%B9%CE%BF-%CE%BC%CF%85%CE%BA%CE%BF%CE%BD%CE%BF%CF%85</p> <p>clipping 2: https://www.portnet.gr/eidiseis-naytilias/28313-symmetoxh-tou-dhmotikou-tameiou-mykonou-sto-moses.html</p>

clipping 3: <https://cyclades24.gr/2020/07/to-dimotiko-limeniko-tameio-mykonou-symmetechei-sto-ergo-moses/>

clipping 4: <https://www.koinignomi.gr/news/politiki/politiki-kyklades/2020/07/23/dltm-symmetechei-sto-ergo-moses.html>

clipping 5: <https://www.metaforespress.gr/naftilia/%CF%84%CE%BF-%CE%B4-%CE%BB-%CF%84-%CE%BC%CF%85%CE%BA%CF%8C%CE%BD%CE%BF%CF%85-%CE%BC%CE%B5%CF%84%CE%AD%CF%87%CE%B5%CE%B9-%CF%83%CF%84%CE%BF-%CE%AD%CF%81%CE%B3%CE%BF-moses-%CF%80/>

clipping 6: <https://mykonosports.gr/%ce%b4%ce%b5%ce%bb%cf%84%ce%b9%ce%bf-%cf%84%cf%85%cf%80%ce%bf%cf%85-%cf%83%cf%85%ce%bc%ce%bc%ce%b5%cf%84%ce%bf%cf%87%ce%b7%cf%83-%cf%84%ce%bf%cf%85-%ce%b4%ce%bb%cf%84%ce%bc-%cf%83%cf%84%ce%bf-%ce%b5/>

Kick-off press release, Νέο έργο για το ΕΜΠ το MOSES που αναμένεται να φέρει την επανάσταση στον τομέα της Ναυτιλίας Μικρών Αποστάσεων, 24/07/2020, NTUA

clipping 1: <https://www.amna.gr/pr-view/217750>

clipping 2: <https://startupper.gr/news/62678/to-eb-syntonizi-ergo-pou-anamenete-na-feri-epanastasi-sti-naftilia/>

clipping 3: <https://www.spoudase.gr/arthra/to-emp-syntonizei-evropaiko-ergo-poy-yposchetai-na-feri-nea-epochi-sti-naytilia-mikron-apostaseon/>

Press release in National Greek Newspaper (printed version), Ρότα για αυτοματοποιημένα ηλεκτρικά containerships, 27/07/2020, NTUA

clipping 1: <https://www.pressreader.com/greece/naftemporiki/20200727/281719796908299>

Kick-off press release, H2020 FUNDED MOSES PROJECT KICKED OFF, 16/07/2020, MARIN

clipping 1: <https://www.marin.nl/en/news/h2020-funded-moses-project-kicked-off>

Questionnaire survey press, A Questionnaire of “autoMated vessels and supply chain Optimisation for sustainable short SEa Shipping (MOSES)” Project, 19/10/2020, CIRCLE

clipping 1: <https://www.docksthefuture.eu/moses-research-project-automated-vessels-and-supply-chain-optimisation-for-sustainable-short-sea-shipping/>

Media Article, The MOSES Project: Shaping the future of European Short Sea Shipping, 26/03/2021, NTUA

clipping 1: <https://www.openaccessgovernment.org/short-sea-shipping/107361/>

Bulletin Article, Shaping the future of European Short Sea Shipping: Autonomous & Automated technologies, 12/04/2021, CIRCLE

clipping 1: <https://us2.campaign-archive.com/?e=%5bUNIQID%5d&u=e792eb666c5525313f6a06f52&id=dbcaab36d3>

ASTANDER’s Corporate Social Responsibility, Proyecto MOSES – Automatizacion de barcos autonomos, 29/07/2021, ASTANDER

clipping 1: https://moses-h2020.eu/wp-content/uploads/2021/12/2020-Informe-de-ProgresoAstilleros-de-Santander_fianl-with-acknowledgement.pdf

Winter 2021 European Energy Innovation Communication, The MOSES project: Automated technologies for efficient and green Short Sea Shipping, 03/12/2021, NTUA, MARIN

clipping 1: <https://moses-h2020.eu/wp-content/uploads/2021/12/EuropeanEnergyInnovation-Winter2021-pages-33.pdf>

2.4 E-newsletters

MOSES website provides the opportunity to its visitors to sign up and receive a regular newsletter. MOSES e-newsletters constitute an electronic mean of distributing project findings and news, implemented activities as well as upcoming actions. Newsletters are sent to the newsletter subscribers via email, but they are also made available in

electronic format in MOSES website (through Material Hub, Newsletter section) and on MOSES social media accounts on Twitter and LinkedIn via related posts. The content of the e-newsletters is based on the continuous progress of the project and aims at informing the interested audiences and stakeholders about the project’s key outcomes and results. Three e-newsletters have already been launched during the first eighteen months of the project, and they are presented in table 2 below:

Table 2 MOSES e-newsletters

MOSES e-newsletters
<p>MOSES 1st e-newsletter, December 2020, https://mailchi.mp/5fdc669a54cb/moses-first-newsletter-1117652?e=126af3b29e</p>
<p>MOSES 2nd e-newsletter, June 2021, https://mailchi.mp/31fa31c85fca/moses-first-newsletter-1162212?e=74bc55b78b</p>
<p>MOSES 3rd e-newsletter, December 2021, https://mailchi.mp/0bb503124c96/moses-third-newsletter</p>

According to the analytics provided by the Mailchimp platform [1], the first newsletter was distributed to 34 recipients and the total opens reached the 95 clicks (figure 9).

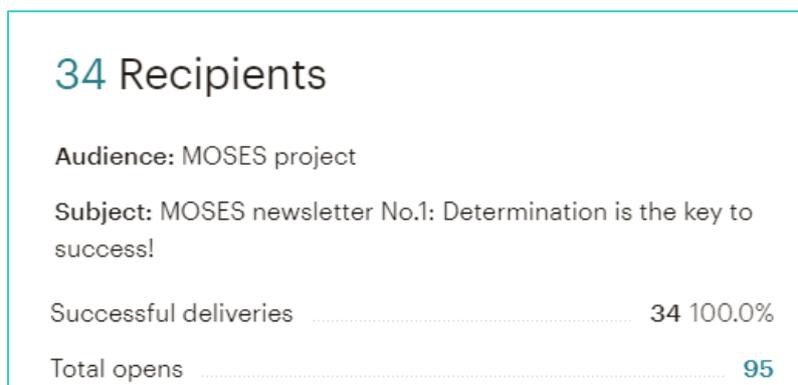


Figure 9 First newsletter analytics

The second newsletter was distributed to 50 recipients and the total opens reached the 56 clicks (figure 10).

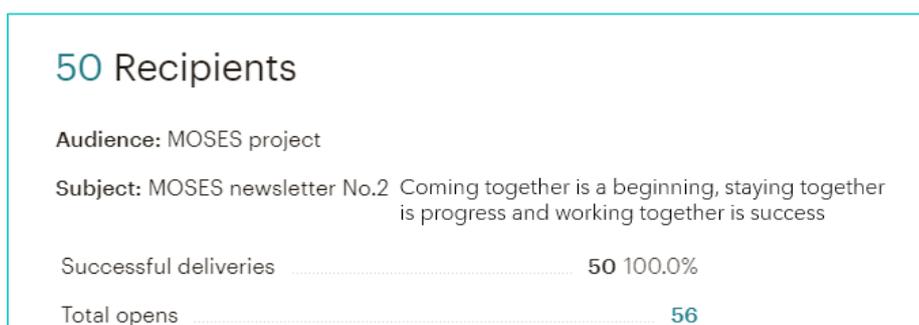


Figure 10 Second newsletter analytics

The third newsletter was distributed to 61 recipients and the total opens reached the 70 clicks (figure 11). However, as this latest issue was released within December 2021, it is expected that the total number of opens will be increased.

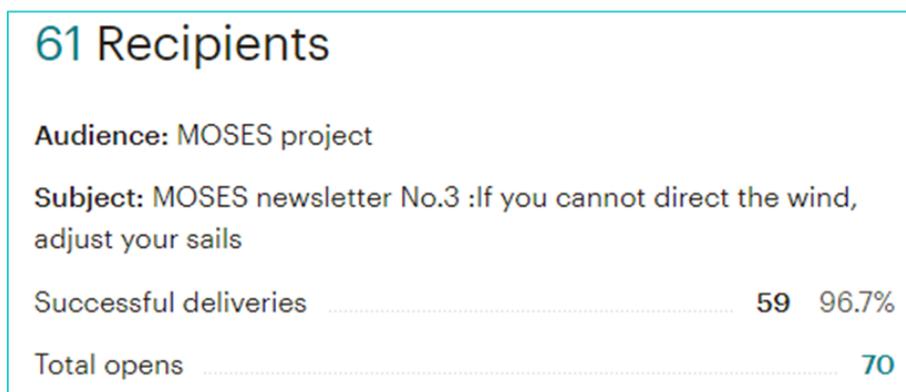


Figure 11 Third newsletter analytics

Additional information for all three published issues has been provided within *D8.2 MOSES Communication Kit*, in subsection 4.3.

2.5 MOSES communication campaign

In the context of strengthening MOSES dissemination and communication strategy, as well as describing MOSES project in a more interactive way and as a complementary action to enrich the project's YouTube channel, a **MOSES video communication campaign** has been designed, prepared, and launched. More specifically, a series of short-video interviews have been released early in September 2021 (M15) with the support of all MOSES consortium members.

Each partner is envisioned to prepare a 2-3 minutes' video introducing their company, their role in MOSES project, as well as sharing their vision about the project. Every produced video, becomes available, apart from the project's YouTube channel, in MOSES website, in the material hub, under the *audio-visual* section.

With the short videos, the audiences will have a more interactive experience with the project. It is notable that, the distribution of short videos is an easy way to be circulated by the partners, followers, some associations with the purpose to, again, increase the publicity of the project.

Up to M18 (December 2021), all partners have prepared and delivered their video material. The first batch with the 9 published ones, is showcased in figure 12 below, along with their publication date and the current number of views per video. The rest 8 videos (figure 13) are expected to be made publicly available within January 2022. An update on the views per video, will be included in *D8.4 MOSES Final report on Communication, Dissemination, and scientific activities*.

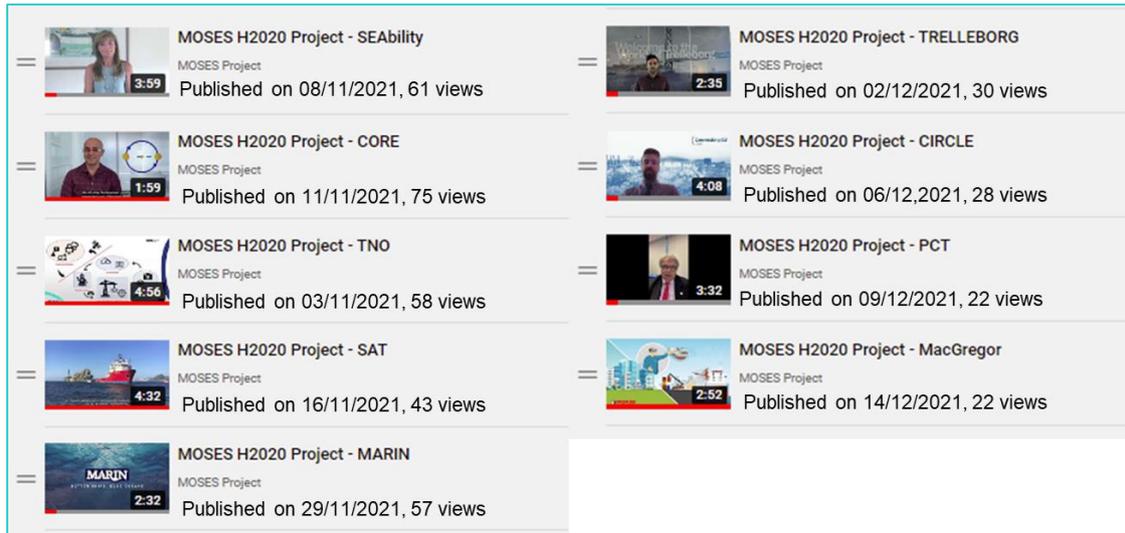


Figure 12 Partners' published videos from MOSES communication campaign

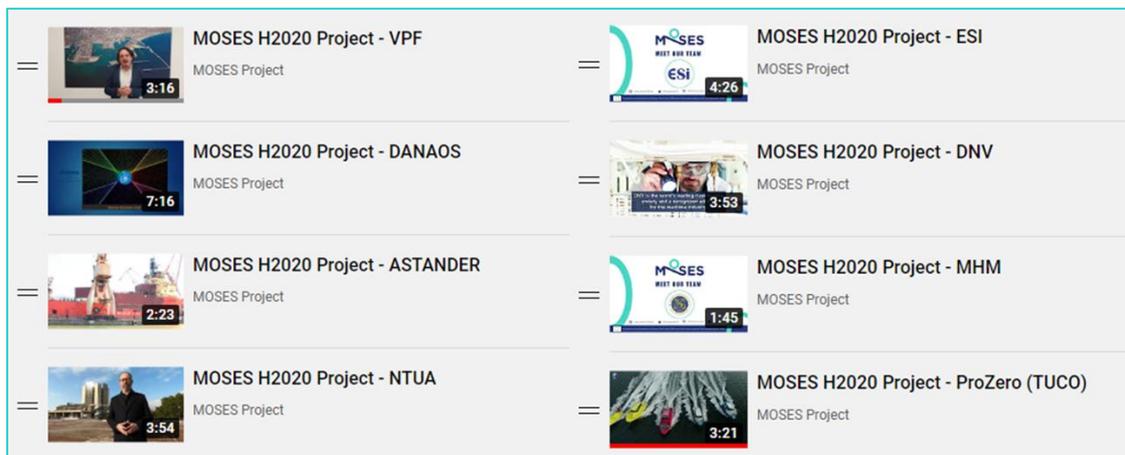


Figure 13 Partners' 'to be' published videos from MOSES communication campaign

3. MOSES scientific activities

MOSES team produced scientific material and other contributions for the technical literature, with the aim to share the project progress and research findings with the scientific community. The goal of the scientific material within MOSES, is to advance science by publishing original empirical and theoretical work developed within the project.

Each scientific publication is in accordance and in compliance with the EC rules on Open Access and adhere to the Open Access guidelines set by the H2020 Work Programme [2]. MOSES sustains two open access models for the peer reviewed scientific journal papers: the open access journals (“gold model”) and self-archiving to non-open access journals (“green model”), in order to comply with the Horizon2020 Guidelines on Open Access. In addition, MOSES tries, also, to sustain the Green Model, upon every published scientific and technical article, poster, presentation, and paper, resulting from the project by sharing this material through its active website, in open access mode. MOSES open access philosophy, promotes, at the same time and when appropriate, the Gold Model, to ensure that the produced scientific material is preserved in the long term.

MOSES team has worked since the early beginning of the project, on the production of relevant scientific material based on MOSES achievements seeking to improve visibility of the project on a more solid basis. A detailed description of the scientific activities that have been completed until M18 of the project is provided in the following paragraphs.

3.1 Publications in conference proceedings

MOSES partners from NTUA, SEAB, MARIN, TNO, submitted successfully a poster entitled ‘*Autonomous and interconnected technologies for the container supply chain: The MOSES Concept*’, in the 8th International Physical Conference 2021 (IPIC 2021), that was held between 14-17 June 2021.

The poster provides a description of MOSES concept and objectives, along with some of MOSES innovations (matchmaking platform, innovative feeder vessel, robotic container handling-system and autonomous tugboats) and, also the ambition in line with ALICE Physical Internet Roadmap.

The scientific poster was showcased in the IPIC virtual exhibition and was accessible for all attendees from 15th to 16th of June 2021. It has been made available through the project’s website, in the material hub, under *the scientific material section* and through the Open AIRE platform (table 3).

Table 3 Publications in conference proceedings

Title	Authors	Event	Publication date/publisher	DOI/URL
<i>Autonomous and interconnected technologies for the container supply chain: The MOSES Concept</i>	Nikolaos P. Ventikos, Konstantinos Louzis, Ioannis Kanellopoulos, Eleni Krikigianni, Evangelia Latsa, Gerco Hagesteijn, Hans Cozijn, Hans van den Broek	8th International Physical Conference 2021 (IPIC 2021), 14-17 June 2021, Virtual	14-17 June 2021, IPIC 2021	https://zenodo.org/record/5235340#.YSNvGddR2Uk

3.2 Publications in renown scientific journals

Up to month 18, there were not any submitted and accepted publications in renown scientific journals. This is because the level of project results was considered as not mature enough for publication in a peer reviewed journal.

However, MOSES team have already started working on three papers that will be submitted in renown peer reviewed scientific journals, within the second project period, and they will be listed, in detail, within *D8.4: MOSES Final report on Communication, Dissemination and scientific activities*, due on M36.

MOSES will, also, capitalize on the available EC innovative open access publishing platform [3], which is offering rapid publication and open peer review, whilst supporting data deposition as well as reproducibility, transparency and impact.

4. MOSES participation & attendance

Up to month 18, all MOSES partners have been actively engaged and contributed to the communication of MOSES’s vision and concept, as well as in the dissemination of its findings and outcomes at several conferences, workshops, seminars and webinars via presentations, constructive discussions, and posters, towards facilitating, also, the connection with the stakeholder’s community.

Most of these events constituted a great opportunity for communicating MOSES’s concept and objectives, disseminating its findings and achieving a higher outreach of the project. For this aim, an important number of participants from several fields related to the maritime and shipping sector (professionals, academics & students, technical experts, industrial experts, general public, media, investors, customers, other) were actively involved.

4.1 Conference events

The following table 4, highlights and presents the events that MOSES partners attended during the first eighteen-month period and includes information about the type of dissemination activity, the corresponding announcement link, accompanied by the presentation material, on MOSES website, and the audience’s profile per activity.

Table 4 MOSES Conference events

Conferences/E vents	Type of dissemination activity	Link	Audience
4 th International Conference on Maritime Safety and Smart Shipping (MSSS 2020), virtual, 06/10/2020, NTUA	Presentation entitled “ <i>Life cycle risk dynamics for marine systems: A description of a bio-inspired framework for risk fluctuations throughout the life cycle</i> ”	https://moses-h2020.eu/4th-international-conference-on-maritime-safety-and-smart-shipping/	<ul style="list-style-type: none"> ○ Maritime industry ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
2 nd International Ship Autonomy and Sustainability Summit, virtual, 30/11/2020, NTUA	Video Presentation entitled “ <i>Automated Vessels and supply chain optimisation for Sustainable Short Sea Shipping</i> ”	https://moses-h2020.eu/2nd-international-autonomy-sustainability-summit-2020/	<ul style="list-style-type: none"> ○ Maritime industry ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
7 th ITS Hellas Conference, 08/12/2021, NTUA	Presentation (in Greek) entitled “ <i>Αυτοματοποιημένη προσέγγιση, πρόσδεση και φορτοεκφόρτωση πλοίων σε εμπορικούς λιμένες</i> ”	https://moses-h2020.eu/7th-intelligent-transport-systems-conference/	<ul style="list-style-type: none"> ○ Maritime industry ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community

4.2 Workshops, Seminars, Webinars

The following table 5, presents the workshops, seminars and webinars, that MOSES partners either organized or attended until M18, including information about the type of dissemination activity, the corresponding announcement link, accompanied by the presentation material, on MOSES website, and the audience's profile per activity.

Table 5 MOSES Workshops/Seminars/Webinars

Workshops/Seminars/Webinars	Type of dissemination activity	Link	Audience
MOSES Piraeus Focus Group/Workshop organisation, virtual, 08/10/2020, all MOSES partners	Workshop presentations on User Needs and requirements	https://moses-h2020.eu/piraeus-focus-group-workshop-material-access/	<ul style="list-style-type: none"> ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
MOSES Valencia Focus Group/Workshop organisation, virtual, 14/12/2020, all MOSES partners	Workshop presentations on User Needs and requirements	https://moses-h2020.eu/valencia-focus-group-workshop-material-access/	<ul style="list-style-type: none"> ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
Webinar on environmentally neutral marinas and ports, virtual, 08/12/2020, DNV	Discussion on <i>“Pathways to port decarbonization: Technologies and state-of-the art”</i>	https://moses-h2020.eu/webinar-on-environmentally-neutral-marinas-and-ports/	<ul style="list-style-type: none"> ○ Maritime industry ○ SSS policy makers ○ Port authorities & associations
Industrial Engineering Seminar by Dalhousie University, virtual, 24/03/2021, NTUA	Presentation entitled <i>“Exploiting automation and autonomy in the maritime domain: Challenges and benefits”</i>	https://moses-h2020.eu/wp-content/uploads/2021/03/Dalhousie-University-Seminar-Presentation-NP-Ventikos_v3.pdf	<ul style="list-style-type: none"> ○ Maritime industry ○ SSS policy makers ○ Port authorities ○ R&D ○ Research community
Connecting EU Insights, Workshop organisation, virtual, 28/04/2021, NTUA, CIRCLE, SEAB, VPF	Participation with presentation in the session on <i>“Shaping the future of European Short Sea Shipping: Autonomous &</i>	https://moses-h2020.eu/connecting-eu/	<ul style="list-style-type: none"> ○ Maritime industry ○ SSS policy makers ○ R&D ○ Research community

	<i>Automated technologies”</i>		
EMSA Workshop on MASS, virtual, 24/06/2021, NTUA, CORE, MARIN, TNO, MACGREGOR	Discussion on MOSES innovations focusing on autonomous and automated systems	https://moses-h2020.eu/ems-a-workshop-on-eu-projects-on-mass/	<ul style="list-style-type: none"> ○ Shipping sector ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
4th mFUND EU Workshop, virtual, 22/09/2021, NTUA	Presentation entitled “The MOSES Project Innovations and data importance”	https://moses-h2020.eu/wp-content/uploads/2021/09/TUV-Workshop-MOSES-presentation_Ventikos_Lo_uzis.pdf	<ul style="list-style-type: none"> ○ Shipping sector ○ SSS policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D ○ Research community
1st Online One-Day School, Sea of Experience project, virtual, 25/10/2021, TNO	Presentation entitled “From here to Autonomy”	https://moses-h2020.eu/1st-online-one-day-school-sea-of-experience-project/	<ul style="list-style-type: none"> ○ Stakeholders within the port, shipbuilding & ship repair ○ R&D ○ Research community
Webinar on Cargo Unit Standardisation, Virtual, 08/11/2021, NTUA	Presentation entitled “What are the possibilities within freight transport, how can autonomy attract cargo to waterborne transport?”	https://moses-h2020.eu/webinar-on-cargo-unit-standardisation/	<ul style="list-style-type: none"> ○ Shipping sector ○ Transport industry (ports, hubs, intermodal terminals) ○ Stakeholders within the port logistics supply chain ○ Research and technology centres ○ R&D ○ Research community
Connecting EU December edition, Virtual, 15/12/2021, NTUA, TNO, CORE, SEAB	Three Presentations on the session entitled “Session on ‘Technologies for sustainable Short Sea Shipping: Do automation and	https://moses-h2020.eu/connecting-eu-insights-december-edition/	<ul style="list-style-type: none"> ○ Shipping sector & shippers ○ Policy makers ○ Port authorities ○ Stakeholders within the port logistics supply chain ○ R&D

	<i>autonomy add value?"</i>		<ul style="list-style-type: none"> ○ Research community ○ Hubs ○ Associations ○ Technology platforms
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4.3 Exhibitions/Booths

The following table 6, presents the exhibitions and booths, that MOSES partners either organized or attended until M18, including information about the type of dissemination activity and the corresponding announcement link, accompanied by the presentation material, on MOSES website.

Table 6 MOSES Exhibitions/Booths

Exhibitions/Booths	Type of dissemination activity	Link
EUROPORT 2021, 02-05/11/2021, MARIN	Booth with a video wall	https://moses-h2020.eu/europort-2021/
7th ITS Hellas Conference, 08-09/12/2021, SEAB	Booth with MOSES Dissemination material (roll-up, brochure, video)	https://moses-h2020.eu/7th-intelligent-transport-systems-conference/

5. MOSES Clustering & Networking activities

MOSES project aims at strengthening relationships with the entire community involved in the maritime and shipping domain, which is made up of different types of actors. The identification and interaction with related projects, and any thematic cluster projects added to the stakeholders' community, are of crucial importance.

MOSES clustering and networking activities with existing initiatives, projects and stakeholders have been identified and organized in order to exploit synergies in terms of content sharing, exchange of good practices and joint dissemination for maximizing impact networking thanks to external events.

5.1 Clustering activities

In the context of MOSES clustering activities, several joint activities have taken place in collaboration with other EU projects during the first 18 months of the project. More specifically, the following table 7, summarises the activities that have been conducted jointly by MOSES and the EU H2020 research projects AEGIS and AUTOSHIP.

Table 7 MOSES Joint activities with H2020 research EU projects

Joint Activities with other EU projects	Type of dissemination activity	Link
Joint Stakeholders Workshop and KPIs workshop with AEGIS & AUTOSHIP projects on <i>Moving Freight by Water: Sustainable infrastructure and innovative vessels</i> , virtual, 28/01/2021, NTUA	Presentation entitled " <i>MOSES is not just a biblical figure</i> "	https://moses-h2020.eu/stakeholder-workshop/
Joint Session, with AEGIS & AUTOSHIP projects, in <i>Connecting EU Insights, on Shaping the future of European Short Sea Shipping: Autonomous & Automated technologies</i> , virtual, 28/04/2021, NTUA, SEAB, CIRCLE, VPF	Two presentations entitled " <i>Potential of Short Sea Shipping in the Mediterranean basin</i> " and " <i>Creating opportunities for Short Sea Shipping and small ports within the EU container supply chain: MOSES Innovations</i> "	https://moses-h2020.eu/connecting-eu/
EMSA Workshop on maritime autonomous surface shipping (MASS), with the participation of AEGIS & AUTOSHIP projects, virtual, 24/06/2021, NTUA, CORE, MARIN, TNO, MACGREGOR	Presentation entitled " <i>Discussion on MOSES innovations focusing on autonomous and automated systems</i> "	https://moses-h2020.eu/ems-workshop-on-eu-projects-on-mass/

5.2 Networking activities

The main aim of MOSES networking activities is to maximise the impact of the communication and dissemination of results amongst the relevant stakeholders, to exchange technical information and to contribute to the dissemination of top-level, high-quality EU funding programmes and support European Research and Innovation Actions.

MOSES partners seek every opportunity to discuss MOSES developments within related organisations, associations, and networks where they already participate, and technical advances are presented in respective technical meetings and fora. Networking with relevant associations, organisations and European R&D initiatives is very important since this will ensure knowledge interchange between key actors and the adoption of proposed solutions.

In table 8 below, a summary of the networking organisations, platforms, associations, agencies etc., (as detailed referenced in *D8.1: MOSES Communication Strategy*, section 4.2) that MOSES disseminated its assets, shared knowledge and experience and mutually liaised, is depicted.

Table 8 MOSES networking activities

Networking party	Event	Link
EMSA⁴	Connecting EU, 28.04.2021	https://moses-h2020.eu/connecting-eu/
	EMSA Workshop on EU projects on MASS, 24.06.202	https://moses-h2020.eu/ems-workshop-on-eu-projects-on-mass/
ALICE⁵	8th International Physical Internet Conference 2021, 14-16.06.2021	https://moses-h2020.eu/8th-international-physical-internet-conference-2021/
	Webinar on Cargo Unit Standardisation, 08.11.2021	https://moses-h2020.eu/wp-admin/post.php?post=1269&action=edit
Federal Ministry of Transport and Digital Infrastructure (Berlin)⁶	4th mFUND EU Workshop 2021, 22/10/2021	https://moses-h2020.eu/4th-mfund-eu-workshop-2021/
TU DELFT⁷	Connecting EU Insights, December edition, 15.12.2021	https://moses-h2020.eu/connecting-eu-insights-december-edition/
ERTICO⁸	7th Intelligent Transport Systems Conference, 08-09.12.2021	https://moses-h2020.eu/7th-intelligent-transport-systems-conference/

⁴ European Maritime Safety Agency (EMSA), <http://www.emsa.europa.eu/>

⁵ European Technology Platform ALICE, <https://www.etp-logistics.eu/>

⁶ Federal Ministry of Transport and Digital Infrastructure, <https://www.bmvi.de/EN/Home/home.html>

⁷ Delft University of Technology, <https://www.tudelft.nl/en/>

⁸ ERTICO – ITS Europe, <https://ertico.com/>

6. Challenges faced & Next Steps

The effectiveness of MOSES's communication, dissemination and scientific activities is monitored constantly on a monthly basis. Periodic evaluation is considered vital to guarantee that all identified target audiences are properly reached and provided with appropriate information and content on project's assets and to generate feedback and get insights on what works and what needs refinement.

Therefore, a number of quantitative measurable targets (Key Performance Indicators) for dissemination and communication activities has been set, since the proposal phase, in order to ensure that the desired impact is achieved. The Covid-19 crisis has had significant impact on MOSES, mainly on the way that project results are communicated and disseminated. Several events and conferences of major importance and relevance with MOSES have been cancelled or postponed and, thus, MOSES has missed significant opportunities to be exposed to a wider audience, during its first twelve months.

In the context of the close, effective, and efficient monitoring of the dissemination, communication, and scientific activities, and in addition to the already identified risk management and compliance matrix (reference is made to D8.1, section 6.2), a complementary communication and dissemination related KPI matrix (figure 14) has been developed, via using an excel spreadsheet. This matrix is being regularly updated on a monthly basis. The KPI matrix is available on the internal project's MS Teams repository. It includes the KPIs' names, along with their current value and the achieved/expected results for the first project period (M01-M18). The table is easy to handle, as the only input required is the current value per activity in the corresponding column. After having set the thresholds per activity (using a linear and/or exponential interpolation when needed) and the examined time moment, the table shows the result for that time being. It, therefore, allows the precise time monitoring of each KPI, once the time moment and the corresponding thresholds are set.

Having a look at the big picture, the majority of MOSES defined KPIs have been successfully met and fulfilled. However, by taking into consideration that MOSES innovations are progressing towards a more mature stage, it is obvious that efforts will be further strengthened, within the second project period, towards the direction of MOSES scientific dissemination (papers in conference proceedings and publications in scientific journals) as well as towards the communication and business perspective via conferences and event participation as well as via media articles. To further support the proactive measures, an indicative list of suggested scientific journals (Calendar of MOSES journals) and an indicative list of suggested upcoming events (Calendar of MOSES events) have been made available, since the beginning of the project, through online easily accessible spreadsheets as described in *D.8.1: MOSES Communication Strategy*, in sections 3.1 and 3.2. An updated list is provided, at the end of the current document, in Annexes 1 and 2 respectively.

COMMUNICATION KPI MATRIX			
KPIs Names	Current values (M18)	Threshold for M18	Result (M18)
Project logo	1	1	✓
Brand guidelines	1	1	✓
MOSES Templates	1	1	✓
Illustration & graphics (for social + concept image)	1	1	✓
Factsheet	1	1	✓
Leaflet/Brochure	2	2	✓
Poster	2	2	✓
Roll-up banners	1	1	✓
Project video	1	1	✓
E-newsletter	3	3	✓
Website	1	1	✓
Twitter members 1st year	479	300	✓
LinkedIn members 1st year	365	300	✓
Media articles	36	20	✓
TV/Radio interview	0	0	✓
Publication in EU communication tools	2	2	✓
Announcements in H2020 social media	2	2	✓
Presentations in conferences/events (at least 10 a year)	15	30	⚠
SIS	2	2	✓
Stands/demonstrations	1	1	✓
Papers/posters in conference proceedings	1	12	⚠
Publication in renowned scientific journals	0	5	⚠
Cluster sessions at a yearly basis	4	2	✓
Pilot Demos	0	0	✓
Final Conference	0	0	✓
Members of Stakeholder community	896	20	✓
Stakeholders contacted during the project	774	70	✓
Links with RnD projects	6	6	✓
Links with associations/fora/technical committees	8	8	✓
Announcements per partner	1	1	✓

Figure 14 MOSES Key performance indicators

The KPI evaluation and monitoring is considered as a whole life project process. The results of the communication, dissemination and scientific activities will be constantly monitored towards the project end, to assess their effectiveness and their progress. A complete list of partners' activities including further info on the scope and the outcomes of their participation, as well as the final KPI results will be thoroughly documented in Deliverable 8.4 *MOSES Final report on Communication, Dissemination, and scientific activities*.

7. Conclusions

The overall aim of this document is to provide summarised information about MOSES communication, dissemination and scientific activities implemented throughout the first 18 months of the project.

The main online communication and dissemination channels, such as the website and social media (Twitter, LinkedIn, and YouTube) have been set up and established. Those channels are growing at a satisfying rate and are targeting the identified audiences with regular relevant content. MOSES consortium partners have been actively engaged and they contribute to the dissemination of MOSES vision, results, and outcomes via the participation in several events and the production of press, technical and scientific material.

Fruitful synergies and collaborations have been established between MOSES and other sister and related projects, as well as prominent networks. They all consider as mutually beneficial to create liaisons towards disseminating MOSES project outcomes. In the second part of the project, the consortium will devote special efforts to encourage and strengthen partner's participation in related conferences and events as well as the creation of sustainable links with prominent members of the stakeholder community.

D8.3: MOSES Intermediate report on Communication, Dissemination and scientific activities is considered as a flexible and adaptive document to provide information about the status of the communication, dissemination, and scientific activities within MOSES. Additional activities, which will take place by the end of the project, such as the upcoming MOSES demo realisation will be reported in the *D8.4 MOSES Final report on Communication, Dissemination, and scientific activities*.

References

- [1] Mailchimp: All-in-One Marketing Platform, <https://mailchimp.com/> (last accessed 16/12/2021)
- [2] Guidelines to the Rules on Open Access to Scientific Publications and Open Access to Research Data in Horizon 2020”, Version 3.2, 21 March 2017, http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oapilot-guide_en.pdf (last accessed 16/12/2021)
- [3] Open Research Europe, <https://open-research-europe.ec.europa.eu/> (last accessed 16/12/2021)

Annex 1: MOSES calendar of proposed scientific journals

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
1	International Journal of Marine Engineering	https://www.rina.org.uk/ijme.html	1.220 (2019)	Green	<i>Published 4 times/year as Part A of the Transactions of The Royal Institution of Naval Architects, provides a forum for the reporting and discussion on technical and scientific issues associated with the design and construction of commercial marine vessels.</i>
2	Journal of Marine Science and Engineering	https://www.mdpi.com/journal/jmse	2.033 (2019)	Gold	<i>An international peer-reviewed open access journal of marine science and engineering published monthly online by MDPI.</i>
3	Ocean Engineering	https://www.journals.elsevier.com/ocean-engineering	3.068 (2019)	Gold	<i>Ocean Engineering provides a medium for the publication of original research and development work in the field of ocean engineering. Ocean Engineering seeks papers in the following topics: Ocean Engineering, Naval Architecture, Polar and Arctic Engineering, Automatic Control of Marine Systems, Underwater Technology</i>
4	Safety Science	https://www.journals.elsevier.com/safety-science	4.105 (2019)	Gold	<i>Safety Science is multidisciplinary. Its contributors and its audience range from social scientists to engineers. The journal covers the physics and engineering of safety; its social, policy and organizational aspects; the assessment, management and communication of risks; the effectiveness of control and management techniques for safety; standardization, legislation, inspection, insurance, costing aspects, human behaviour and safety and the like.</i>

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
5	International Journal on Marine Navigation and Safety of Sea Transportation (TransNav)	https://www.transnav.eu/	N/A	Gold	<i>Published 4 times/year, it contains original papers contributing to maritime education, maritime safety management, maritime policy sciences, maritime industries, marine environment and energy technology.</i>
6	The Journal of Ports and Terminals	https://www.porttechnology.org/editions/	N/A	Green	<i>Published by the Port Technology International, a premier media company for the ports and terminals sector, the Journal of Ports and Terminals covers the latest technologies and innovations being adopted across the industry including terminals, digitalization, automation, shipping, global trade, sustainability and the energy transition, among others.</i>
7	Journal of Waterway Port Coastal and Ocean Engineering	https://ascelibrary.org/journal/jwped5	1.625 (2019)	Gold	<i>The Journal of Waterway, Port, Coastal, and Ocean Engineering disseminates to the profession engineering and scientific advances made in the COPRI disciplines. It is an ideal choice for the publication and dissemination of archival contributions dealing with topics such as dredging, floods, sediment transport, tides, wind waves and storm surge, tsunamis, climate change, rising sea level, extreme weather events and other hazards that affect shorelines, waterways, estuaries, and ports and harbours, as well as efforts to mitigate the impact of such hazards. Of equal interest is the development and operation of offshore facilities and ocean resource utilization, such as renewable energy and ocean mining</i>

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
8	International Journal of Shipping and Transport Logistics	https://www.inderscience.com/jhome.php?jcode=ijstl	0.914 (2020)	Gold	<i>IJSTL is an international peer-reviewed journal addressing all methodological aspects in the field of shipping and transport logistics, particularly those that require empirical or mathematical analysis with managerial implications.</i>
9	Maritime Economics and Logistics	https://www.palgrave.com/gp/journal/41278	1.750 (2020)	Gold	<i>MEL is a peer-reviewed quarterly scientific publication committed to the methodological analysis of global supply chains; that is, ocean transportation, ports, marine terminals and maritime logistics. Papers are expected to be thoroughly researched, scientifically rigorous and at the same time of direct applicability and usefulness to practitioners and policy makers alike.</i>
10	Maritime Policy & Management	https://www.tandfonline.com/toc/TMPM20/current	3.152 (2019)	OA	<i>Maritime Policy & Management (MPM) is a multi-disciplinary and international refereed journal, it brings together papers on the different topics that concern the maritime industry. It provides the latest findings and analyses. Emphasis is placed on business, organizational, economic, sociolegal and management topics at port, community, shipping company and shipboard levels.</i>
11	Journal of Marine Engineering & Technology	https://www.tandfonline.com/loi/tmar20#.Vu_KsPmLItQ	1.049 (2019)	OA	<i>The Journal of Marine Engineering and Technology publishes papers that explore developments in marine engineering and marine technology for industrial practitioners and researchers, considering topical issues from environmental impacts, energy transition and performance through to autonomy and artificial intelligence. The journal only publishes work that contributes significantly to the advancement of marine engineering and</i>

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
					<i>technology and demonstrates applicability in a real a world setting.</i>
12	Journal of Risk and Reliability	https://journals.sagepub.com/home/pio	1.602 (2019)	N/A	<i>The Journal of Risk and Reliability is for researchers and practitioners who are involved in the field of risk analysis and reliability engineering. The remit of the Journal covers concepts, theories, principles, approaches, methods and models for the proper understanding, assessment, characterisation and management of the risk and reliability of engineering systems. The journal welcomes papers which are based on mathematical and probabilistic analysis, simulation and/or optimisation, as well as works highlighting conceptual and managerial issues. Papers that provide perspectives on current practices and methods, and how to improve these, are also welcome.</i>
13	Reliability Engineering & System Safety	https://www.journals.elsevier.com/reliability-engineering-and-system-safety	5.040 (2019)	Gold	<i>Reliability Engineering and System Safety is an international journal devoted to the development and application of methods for the enhancement of the safety and reliability of complex technological systems, like nuclear power plants, chemical plants, hazardous waste facilities, space systems, offshore and maritime systems, transportation systems, constructed infrastructure and manufacturing plants. The journal normally publishes only articles that involve the analysis of substantive problems related to the reliability of complex systems or present techniques and/or theoretical results that have a discernible relationship to the</i>



No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
					<i>solution of such problems. An important aim is to achieve a balance between academic material and practical applications.</i>
14	Risk analysis	https://onlinelibrary.wiley.com/journal/15396924	3.137	N/A	<i>Risk Analysis, published on behalf of the Society for Risk Analysis, is ranked among the top 10 journals in the ISI Journal Citation Reports under the social sciences, mathematical methods category, and provides a focal point for new developments in the field of risk analysis. This international peer-reviewed journal is committed to publishing critical empirical research and commentaries dealing with risk issues.</i>
15	Human Factors: The Journal of the Human Factors and Ergonomics Society	https://journals.sagepub.com/home/hfs	3.165 (2019)	N/A	<i>Human Factors: The Journal of the Human Factors and Ergonomics Society publishes peer-reviewed scientific studies in human factors/ergonomics that present theoretical and practical advances concerning the relationship between people and technologies, tools, environments, and systems. Papers published in Human Factors leverage fundamental knowledge of human capabilities and limitations – and the basic understanding of cognitive, physical, behavioural, physiological, social, developmental, affective, and motivational aspects of human performance – to yield design principles; enhance training, selection, and communication; and ultimately improve human-system interfaces and sociotechnical systems that lead to safer and more effective outcomes.</i>
16	WMU Journal of Maritime Affairs	https://www.springer.com/journal/13437	0.84	OA	<i>The WMU Journal of Maritime Affairs (JOMA) is an internationally peer-reviewed journal that covers such subject areas as maritime</i>

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
					<i>safety, maritime energy, maritime administration, management and operations, and marine environment protection and gives special attention to human factors, impacts of technology, and policymaking in this context. JOMA is for academics, researchers, and professionals in the maritime industry. It aims at serving the international maritime community by presenting current thinking and evidence-based arguments on those subjects of topical interest, reporting on relevant research findings and addressing inter-relationships among those subjects in a multi-disciplinary manner to improve the efficacy of maritime transport.</i>
17	Ship Technology Research	https://www.tandfonline.com/toc/ystr20/current	2.7 (2019)	OA	<i>The Ship Technology Research (Schiffstechnik) journal seeks to provide a sound and internationally recognised platform for the presentation and discussion of the latest developments in research, design and manufacture as well as operation and maintenance concerning ships and offshore structures. Engineers and researchers involved in the design and fabrication of ships and offshore structures are the primary audiences of interest.</i>
18	International Journal Maritime Engineering	https://www.rina.org.uk/ijme.html	N/A	N/A	<i>The International Journal of Maritime Engineering (IJME) provides a forum for the reporting and discussion on technical and scientific issues associated with the design and construction of commercial marine vessels. Contributions in the form of papers and notes, together with discussion on published papers are welcomed.</i>
19	Journal of Advanced Transportation	https://www.hindawi.com/journals/jat/?utm_source=	1.67	N/A	<i>Journal of Advanced Transportation publishes theoretical and innovative papers on analysis, design, operations, optimization</i>

No.	Title of journal/magazine	Website	Impact Factor	OA (Open Access)/N OA (Non-Open Access)	Description
		google&utm_medium=cpc&utm_campaign=HDW_M_RKT_GBL_SUB_ADWO_PAIDYNA_JOUR_X&gclid=Cj0KCQiAj9iBBhCJARIsAE9qRtDRvb--0jbybjsXnWy5jJ96fsee1BT4y43FnFgYeWung7Yidd7LAhMaAi1FEALw_wcB			<i>and planning of multi-modal transport networks, transit & traffic systems, transport technology and traffic safety.</i>
20	Transportation Research Part E: Logistics and Transportation Review	https://www.journals.elsevier.com/transportation-research-part-e-logistics-and-transportation-review	4.690 (2019)	OA	<i>Transportation Research Part E: Logistics and Transportation Review publishes informative and high-quality articles drawn from across the spectrum of logistics and transportation research.</i>



Annex 2: MOSES indicative calendar of proposed events

Date	Event	Location	Website	Important deadlines
2022				
10-13/01/2022	Nor-Shipping 2022	Oslo, Norway	https://www.nor-shipping.com/	
18-19/01/2022	ICMTA 2022: 16. International Conference on Marine Technology and Applications	Rome, Italy	https://waset.org/marine-technology-and-applications-conference-in-january-2022-in-rome	
27-28/01/2022	2022 World of Shipping Portugal, An International Research Conference on Maritime Affairs	Virtually	https://www.worldofshipping.org/WofSP3_Conference/2022_Conference/2022_WofSP_Conference03.html	<p>1st Call for Papers & Call for Sessions: 15 February 2021</p> <p>2nd Call for Papers & Call for Sessions: 15 March 2021</p> <p>Sessions' Proposal Due: 31 March 2021.</p> <p>Last Call for Papers: 15 April 2021.</p> <p>Notification of Sessions' Selection: 15 April 2021</p> <p>Abstracts Due: 30 April 2021</p> <p>Abstracts Review Decision to Authors: 31 May 2021</p>
08-12/05/2022	15th Baška GNSS Conference: Technologies, Techniques and Applications Across PNT and The 2 nd Workshop on Smart Blue and Green Maritime Technologies	Hybrid	https://rin.org.uk/mpage/BaskaGNSSHome	<p>Call for papers opening soon.</p> <p>Instructions: https://rin.org.uk/mpage/BaskaCFP</p>
11-12/05/2022	Smart Digital Ports of the Future	Rotterdam, The Netherlands	https://sdp.events/	

Date	Event	Location	Website	Important deadlines
13-14/05/2022	International Conference on Maritime and Supply Chain Management	Amsterdam, The Netherlands	https://waset.org/maritime-and-supply-chain-management-conference-in-may-2022-in-amsterdam	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021
16-20/05/2022	WODCON XXIII - World Dredging Congress	Copenhagen, Denmark	https://wodcon2022.org/	Deadline for Abstract Submission 1 October, 2021. More info about abstracts: https://wodcon2022.org/abstract-submission/
05/2022	Global Liner Shipping Conference	Hamburg, Germany	https://informaconnect.com/global-liner-shipping/	
6-10/06/2022	Posidonia 2022	Greece, Metropolitan Expo	https://posidonia-events.com/	
14-16/06/2022	TOC Europe	Rotterdam Ahoy Center, Netherlands	https://www.tocevents-europe.com/en/Home.html	
19-22/06/2022	2022 IEEE 95th Vehicular Technology Conference: VTC2022-Spring	Helsinki, Finland	https://events.vtsociety.org/vtc2022-spring/	Paper submission deadline: 13 December 2021 Acceptance notification: 3 March 2022 Final paper submission deadline: 31 March 2022
8-9 July 2022	ICOME 2022 - International Conference on Ocean and Marine Engineering	Prague, Czech Republic	https://waset.org/ocean-and-marine-engineering-conference-in-july-2022-in-prague	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021, Notification of Acceptance/Rejection, October 28, 2021. Final Paper (Camera Ready) Submission & Early Bird Registration Deadline, March 09, 2022 https://waset.org/ocean-and-marine-engineering-conference-in-july-2022-in-prague
26-27 August 2022	International Conference on Marine Science and Engineering	Paris, France	https://waset.org/marine-science-and-engineering-	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021 Notification of Acceptance/Rejection,

Date	Event	Location	Website	Important deadlines
			conference-in-august-2022-in-paris	October 28, 2021 Final Paper (Camera Ready) Submission & Early Bird Registration Deadline, April 27, 2022
6-9 September 2022	SMM	Germany	https://www.smm-hamburg.com/en/	
16-17 September 2022	ICMSCM 2022 - International Conference on Maritime and Supply Chain Management	Rome, Italy	https://waset.org/maritime-and-supply-chain-management-conference-in-september-2022-in-rome	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021 Notification of Acceptance/Rejection, October 28, 2021 Final Paper (Camera Ready) Submission & Early Bird Registration Deadline, May 17, 2022
19–21 September 2022	28th International Conference on Urban and Maritime Transport and the Environment	Valencia, Spain	https://www.wessex.ac.uk/conferences/2022/urban-and-maritime-transport-2022	Abstracts & Papers submission: https://www.wessex.ac.uk/conferences/2022/urban-and-maritime-transport-2022
04-05 October 2022	ICAMST 2022: 16. International Conference on Advanced Marine Systems and Technologies	Dubrovnik, Croatia	https://waset.org/advanced-marine-systems-and-technologies-conference-in-october-2022-in-dubrovnik	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021 Notification of Acceptance/Rejection, October 28, 2021 Final Paper (Camera Ready) Submission & Early Bird Registration Deadline, August 31, 2022
11-12 November 2022	International Conference on Maritime Transport	Venice, Italy	https://waset.org/maritime-transport-conference-in-november-2022-in-venice	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021 Notification of Acceptance/Rejection, October 28, 2021 Final Paper (Camera Ready) Submission &

Date	Event	Location	Website	Important deadlines
				<i>Early Bird Registration Deadline, July 12, 2022</i>
14-17 November 2022	TRA 2022	Lisbon, Portugal	https://traconference.eu/	Submission of abstracts until: 2021 October 31
November 2022	5th World LNG Bunkering Summit	Hamburg, Germany	https://www.worldlngbunkerin.com/	
02-03 December 2022	ICAMST 2022: 16. International Conference on Advanced Marine Systems and Technologies	Amsterdam, Netherlands	https://waset.org/advanced-marine-systems-and-technologies-conference-in-december-2022-in-amsterdam	Abstracts/Full-Text Paper Submission Deadline, October 14, 2021 <i>Notification of Acceptance/Rejection, October 28, 2021</i> <i>Final Paper (Camera Ready) Submission & Early Bird Registration Deadline, November 04, 2022</i>