



D2.1 South-East digital collaboration node

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1. Executive Summary

Deliverable “D2.1 South-east regional collaboration node”, introduces the concept, the main functionalities and the status of the MariTech Collaboration Node, a web-based platform, acting as an integrated environment, for supporting the project’s training program, facilitating the offering of courses, the collaboration and opinion exchange between stakeholders and the dissemination of the project’s activities. It will act as the focal point for knowledge sharing and matchmaking enabling the maritime stakeholders to benefit from the training program. Finally, it makes available the online platform through the following URL: <https://maritech-node.eu>.

This report is a supporting document of the Deliverable D2.1 that is of type: “Other”.



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2. Introduction

The MariTech Talent develops a twin transition INTRAprenuership skills development programme, bringing maritime industry professionals and innovative enterprises with concrete digital solutions together in a two-way learning experience. The programme provides necessary twin skills for the maritime workforce and supports deep tech solutions providers developing key technologies for unlocking the twin transition in the maritime industry.

A digital collaboration node has been designed, developed and deployed to support these activities. It aims to act as an integrated environment to support the development program, facilitating the offering of courses towards the twin transition, the collaboration and opinion exchange between stakeholders, and as such increase the digital and green skills in the maritime sector, as shown in Figure 1.

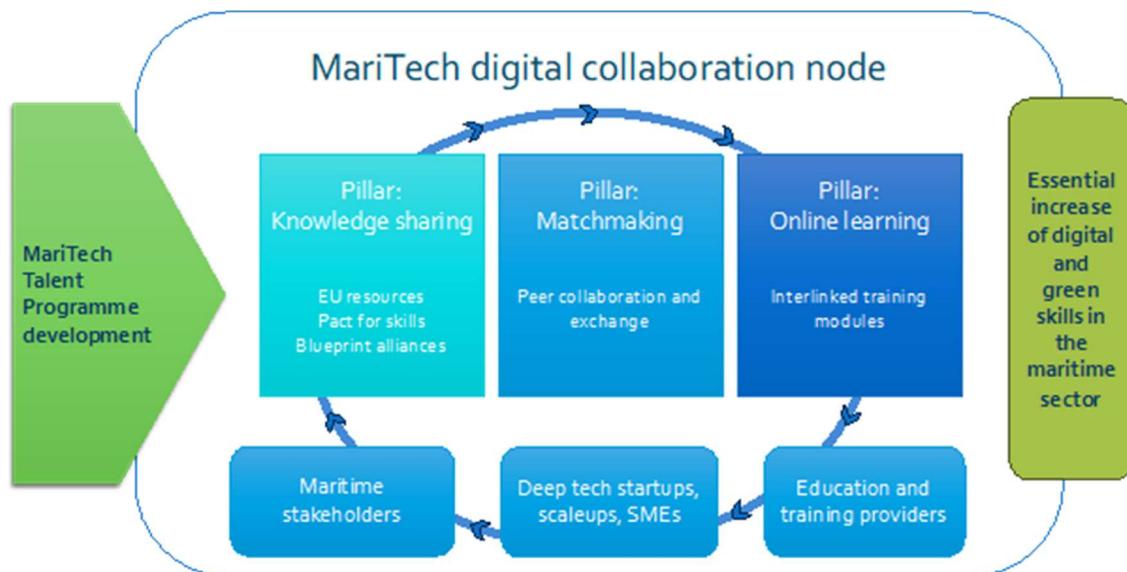


Figure 1: MariTech Collaboration Node concept diagram

3. The MariTech Collaboration Node

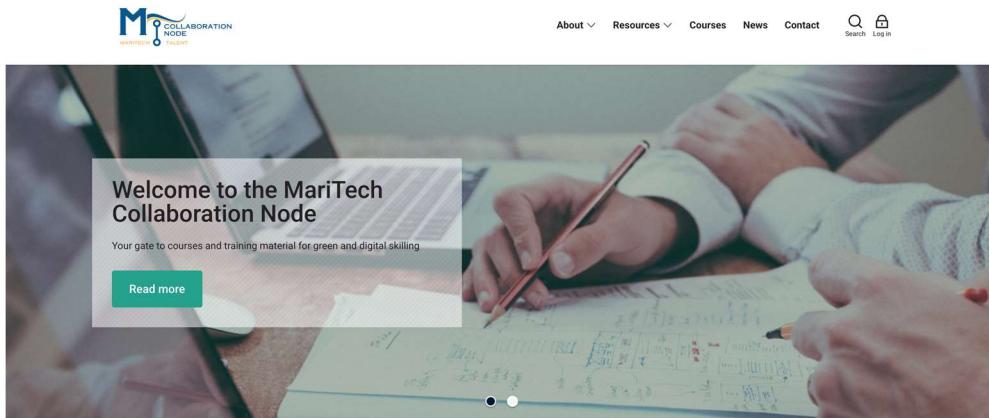
The MariTech Collaboration Node (MCN) is a web-based platform, based on the open-source Moodle software (<https://moodle.com/about/open-source/>), that has been extended and further developed to serve the project's needs in terms of supporting the training programme,

while in parallel disseminating the events and trainings taking place throughout the project's lifetime.

Main functionalities of the MCN include:

- Support different types of stakeholders, ensuring access to specific parts of the platform based on their role.
- Support public and restricted (authorisation based) courses and training material
- Ability to share external information from well-known sources concerning the maritime industry and the twin transition.
- Classification of the training material based on custom attributes, enabling quick identification of it.
- Opinion exchange mechanism through the instantiation of dedicated forums.
- Authentication through external well-known providers (e.g. Google).

The platform is available at: [HTTPS://MARITECH-NODE.EU/](https://MARITECH-NODE.EU/) and its landing page is presented in the figure below:



Featured Courses

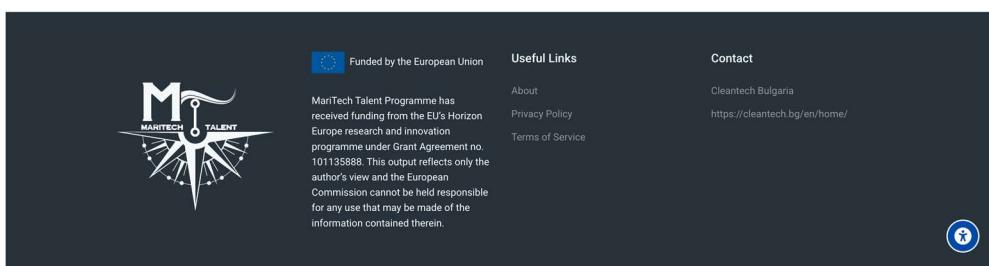


Figure 2: MCN Landing Page



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Courses classification

Based on the initial draft of the training plan and design, the platform has been published with a set of attributes that accompany each course / training material and enable classification and quick filtering of them.

For each course the following information is supported:

- Course title
- Course short name
- Course description
- Prerequisites (if any)
- EQF level (if relevant)
- Course duration
- Instructor(s)
- Category
 - Regulations
 - Cybersecurity and Threats
 - Fuel and Technologies
 - Sustainability and Innovation
 - Intrapreneurship
 - General
- Audience / Target users
 - Maritime professionals
 - Start-ups / SMEs
 -
- Delivery methods
 - Online
 - On-site
 - Hybrid (on-site and online)
 - Workshops
- License
 - List of open-source licenses
 - Option to insert custom license
- External link (This is valid only for courses / training materials from external providers)

** This list is based on the initial training plan and can be updated at any time to comply with the final training programme. Through the platform it is easy to update existing attributes and / or add new ones.*

Courses / Training Material listing

The platform offers a dedicated page for listing all the available courses / material and the users can search and filter them based on a set of fields, enabling quick identification of courses of their interest. For each course, its prerequisites will be presented to make users aware of what is needed before they enter the course.

The node lists courses that are developed by the MariTech consortium as well as courses and training material from external providers, by linking them through their dedicated URLs.

Course categories

- Regulations (1)
- Cybersecurity and Threats (0)
- Fuel and Technologies (0)
- Sustainability and Innovation (1)
- Intrapreneurship (0)
- General (3)

 Filters

Search courses 

Instructors

- Admin User (5)

Delivery Methods

- Hybrid: trainings will be provided onsite and online form (0)
- Start-ups Workshop: training and mentoring sessions (start-ups to maritime professionals) (0)
- Library (0)
- Online (5)
- Onsite (0)

Relevant for Start-ups / SMEs

- (2)



Sustainable Finance: ESG and SDG quantification and acceleration

Admin User

 0  25 Feb 2025



Evaluating Sustainability Performance

Admin User

 0  25 Feb 2025



Energy Communities - European and National context

Admin User

 0  19 Dec 2024



Pitching

Admin User

 0  19 Dec 2024



Integrating sustainability into environmental permitting of port projects

Admin User

Figure 3: MCN Courses listing and filtering options

Accessing the node

The MCN web platform with its twofold role offers content and courses that are accessible to guest users, without the need of authentication (wider public), while there are courses to be offered for registered users only. Logging in to the platform is available through external authentication services: Google and LinkedIn. Additional authentication services can be enabled at a future stage.



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Logging in to the platform using already existing accounts facilitates the exploitation of the collaboration node, since users are not required to create yet another account and it is easier for them to login and as such it becomes available to wider audiences increasing its exploitation and impact.

4. Dissemination of the MCN

The objective of the MCN is to support the project's training program, the main output of WP3, and act as the single point of entry for maritime stakeholders interested in improving their digital and green skills in the domain. The training programme is designed to equip maritime professionals, startups, and SMEs with the necessary knowledge and tools to navigate the evolving landscape of sustainability, digital transformation, and regulatory compliance. The framework is detailed in deliverable D3.1_MariTech Programme Framework.

Through the Training programme, start-ups and SMEs will be engaged and trained through the MCN. In addition, in all dissemination events that MariTech is participating in, it is planned to disseminate and raise awareness for the MCN to increase its publicity and engage new stakeholders. Dedicated posts in the social media will be made when the first round of courses will be made available online. WP4: Communication, Dissemination and exploitation, is responsible for drafting the dissemination plan for the MCN focusing on the available courses and in collaboration with WP3.

The dissemination of the MCN is foreseen as a constant activity, through project implementation.

Dissemination will be ensured through:

Means of dissemination	KPI
Ad campaign through the most used social media channels, incl. digital banner and short video	Approx. 1 000 people reached through posts and videos, directly promoting the MariTech Collaboration Node
Dissemination during professional events in the maritime sector	At least 5 different events visited by MariTech team representatives
Press releases to key sector media	At least 2 press releases, related to the MCN
Mail dissemination	E-mail communication sent out to partners' networks – at least 100 e-mails sent out

5. Conclusions & Next Steps

This document accompanies the deliverable “D2.1: South-East digital collaboration node”, that is of type “Other” and aimed to provide a brief overview of the MCN web platform, its concept and the main functionalities of it. The MCN will support the project’s activities, and mostly the MariTech training programme throughout the whole duration of the project, and as such it will be supported and further updated based on specific needs and requirements. The creation and population with content for all courses is taking place in the upcoming months and the users can visit and follow them through the MCN’s public URL.