



Retrofitting towards climate neutrality

D7.1 SharePoint

Programme: HORIZON EUROPE

Grant agreement number: 101096522

Project acronym: Green Marine

Project title: Retrofitting towards climate neutrality

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HISTORY OF CHANGES		
Version	Publication Date	Changes
1.0	[14/02/2023]	First draft
1.0	[28/02/2023]	Submission with SharePoint link

DETAILS	
Grant Agreement No.	101096522
Project acronym	Green Marine
Project full title	Retrofitting towards climate neutrality
Dissemination level	Public
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1. INTRODUCTION

The main objective of **Green Marine** is to significantly accelerate climate neutrality of water borne transport through retrofitting existing fleets with cost and emission control solutions. To support decision makers retrofitting protocols and a software tool catalogue that gathers knowledge will be developed and validated. We will demonstrate these tools and the innovative solutions aimed at carbon capture mineralization, which also aids in deacidifying our seas; energy savings for HVAC systems through air-reuse; carbon and water capture with membranes, and the use of excess engine heat to produce a syngas to save on fuel consumption. An ultra-sound technology will be tailored to suit vessels allowing air-reuse saving energy for HVAC systems and operated as pre-treatment enhancing a membrane carbon capture process. The Ca/Mg – alkali solvent capture process is capable of removing 75% of the CO₂ from flue gases. All solutions will be demonstrated first on a land-based engine followed by the selection of the most suitable solution for a demonstration on a waterborne vessel. The (land-based) demonstrations will represent the operation of a majority of vessel engines. By developing retrofitting protocols, simulations of the solutions, data generated at the demonstrations a software catalogue tool will be developed. Through engagement activities this tool will gain more users and more knowledge, its value and effectiveness will increase for all users. The project aims to bring the different solutions to TRL 8. The demonstrations, the software tool catalogue, and the dissemination and exploitation activities ensure that project results will be replicated globally. The consortium consists of 10 partners from 7 countries with 4 research institute, 1 ship company, which will host a demo as end user and 5 SMEs.

2. SHAREPOINT

The management of the Green Marine activities, including deliverables, meetings, milestones will be managed under BX's SharePoint site. The link to the SharePoint site is [General](#) and includes the following headings for the appropriate management of Green Marine (see Figure 1). Note that access to link is available to the consortium.

The information included in this document will also be reflected in the Project Management Handbook, due in M3 by CMMI.

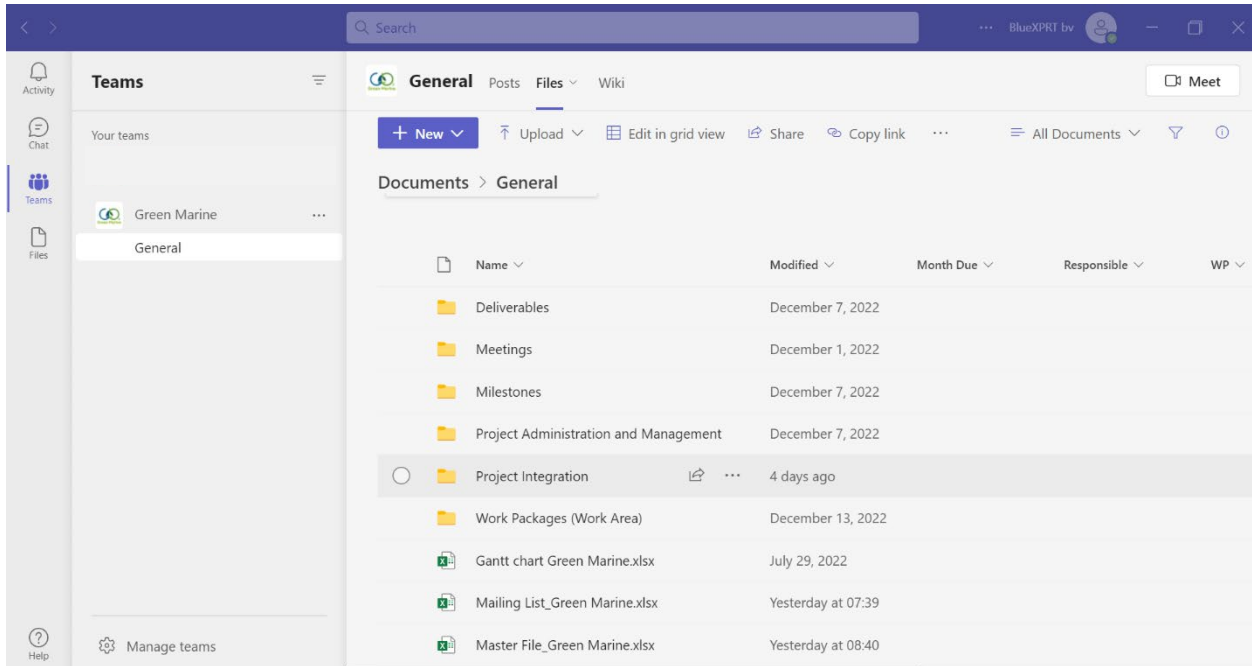


Figure 1. Green Marine main page of SharePoint, under Microsoft Teams.

2.1 DELIVERABLES

This subfolder contains all deliverables to be submitted. The folder indicates important information such as “Month Due”, partner “Responsible” and “WP” as indicated in Figure 2.

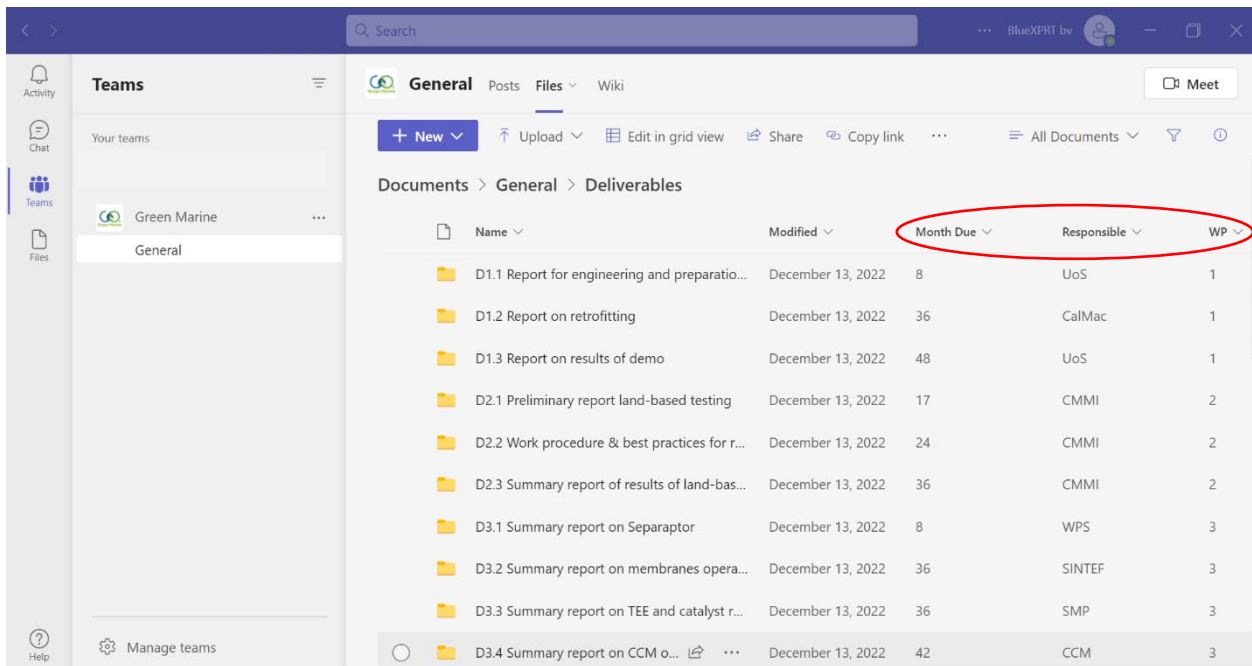


Figure 2. Green Marine management of Deliverables

2.2 MEETINGS

Meetings contain different internal and external meetings to the consortium. Specifically, these are “Consortium Meetings”, “EC Meetings”, “General Assembly Meetings”, “PCC Meetings”, “Technical Meetings” and “Work Packages Meetings” (see Figure 3). These folders are the placeholder of meetings notes, action items, any presentations and any other important information that needs to be logged.

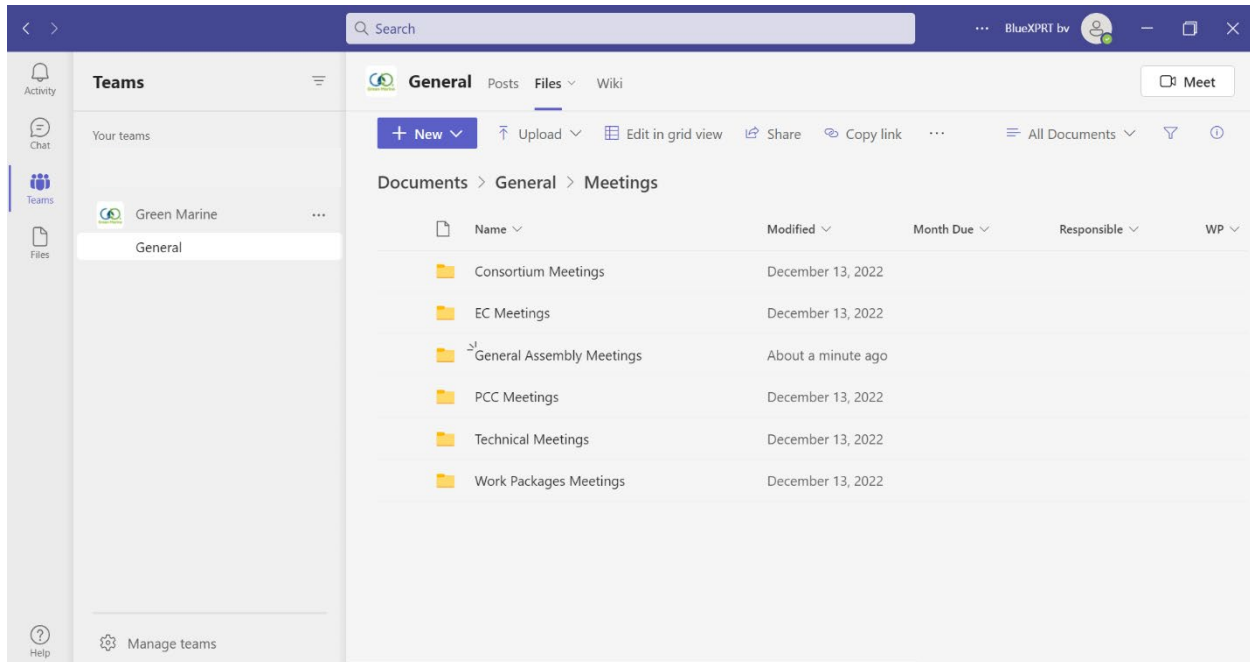
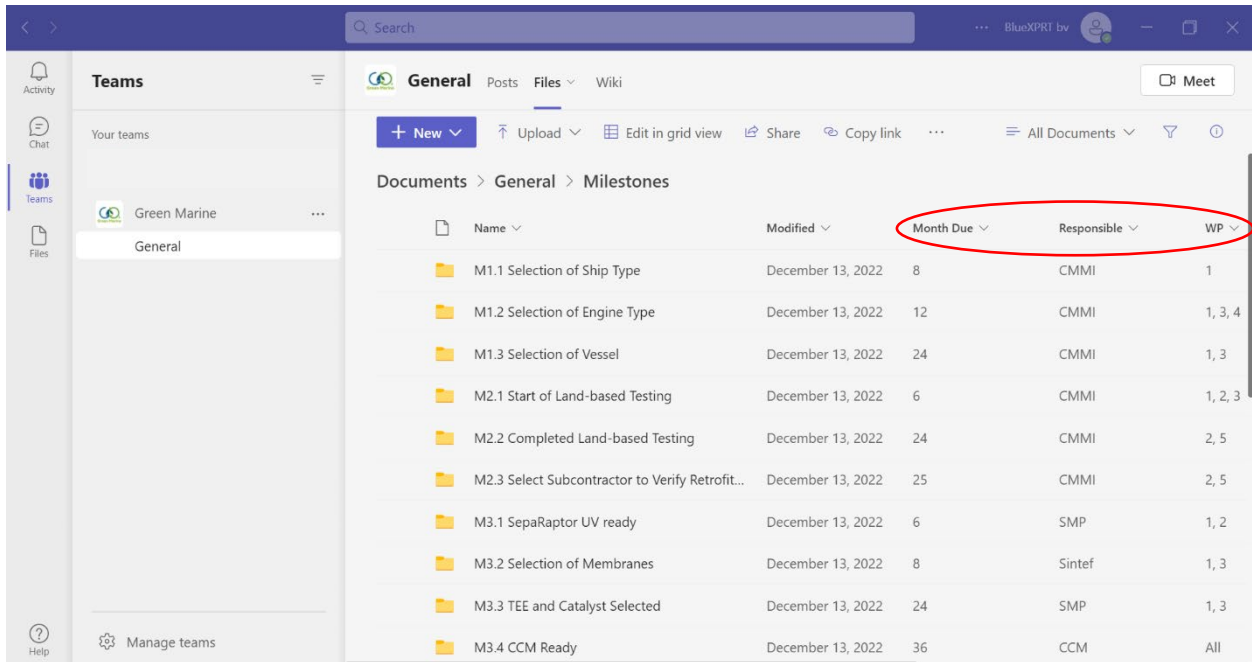


Figure 3. Green Marine management of Meetings

2.3 MILESTONES

This subfolder contains all milestones linked to the Green Marine project. The folder indicates important information such as “Month Due”, partner “Responsible” and “WP” as indicated in Figure 4.

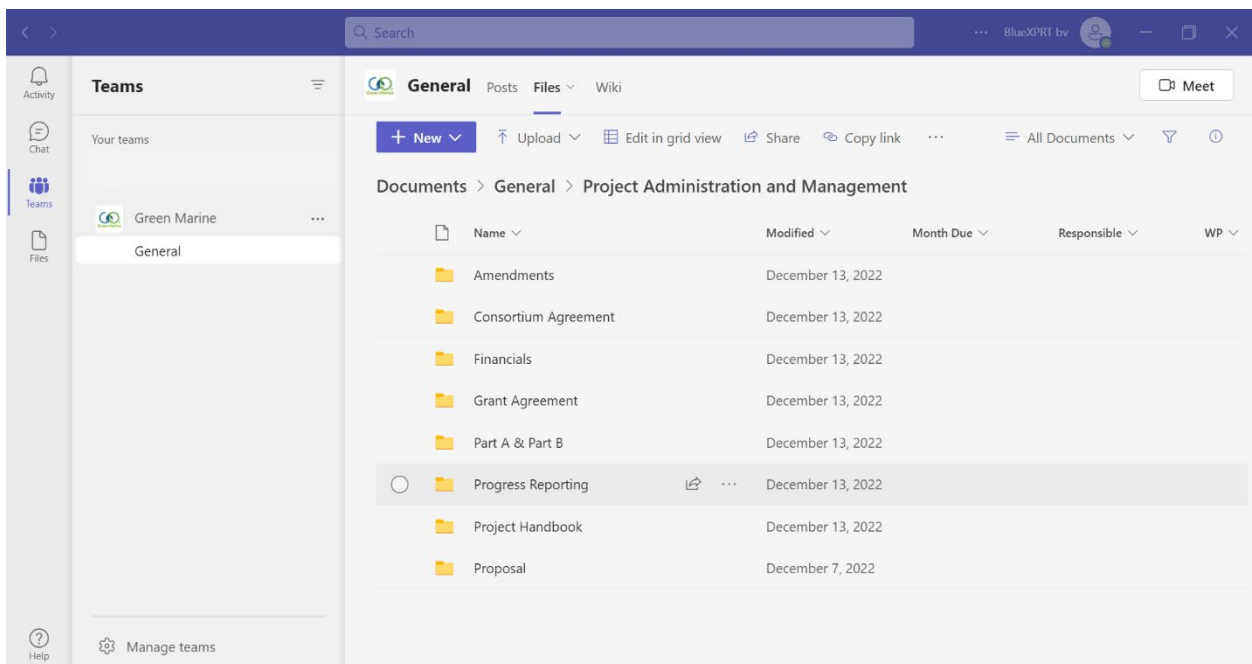


Name	Modified	Month Due	Responsible	WP
M1.1 Selection of Ship Type	December 13, 2022	8	CMMI	1
M1.2 Selection of Engine Type	December 13, 2022	12	CMMI	1, 3, 4
M1.3 Selection of Vessel	December 13, 2022	24	CMMI	1, 3
M2.1 Start of Land-based Testing	December 13, 2022	6	CMMI	1, 2, 3
M2.2 Completed Land-based Testing	December 13, 2022	24	CMMI	2, 5
M2.3 Select Subcontractor to Verify Retrofit...	December 13, 2022	25	CMMI	2, 5
M3.1 SepaRaptor UV ready	December 13, 2022	6	SMP	1, 2
M3.2 Selection of Membranes	December 13, 2022	8	Sintef	1, 3
M3.3 TEE and Catalyst Selected	December 13, 2022	24	SMP	1, 3
M3.4 CCM Ready	December 13, 2022	36	CCM	All

Figure 4. Green Marine management of Milestones.

2.4 PROJECT ADMINISTRATION AND MANAGEMENT

This subfolder contains the signed Grant Agreement, signed Consortium Agreement, the log and financial management, the progress reporting and project management handbook (see Figure 5).



Name	Modified	Month Due	Responsible	WP
Amendments	December 13, 2022			
Consortium Agreement	December 13, 2022			
Financials	December 13, 2022			
Grant Agreement	December 13, 2022			
Part A & Part B	December 13, 2022			
Progress Reporting	December 13, 2022			
Project Handbook	December 13, 2022			
Proposal	December 7, 2022			

Figure 5. Green Marine project administration and management.

2.5 PROJECT INTEGRATION

This subfolder contains the relevant stakeholders and members of the external advisory board to be involved in the Green Marine related activities.

2.6 WORK PACKAGES (WORK AREA)

This subfolder contains the work area, management and planning of all work packages:

- WP1 – Demonstrate retrofitting existing fleets
- WP2 – Land based test and integration of solutions
- WP3 – Solutions development and scale-up
- WP4 – KPIs, Integration, TEA, SEA, LCA, Risk, Safety & Legal Evaluations
- WP5 – Software tool catalogue for GHG-emission reduction solutions
- WP6 – Exploitation and Dissemination
- WP7 – Project Management

3. MONITORING DASHBOARD

To facilitate the effective use of the SharePoint site a spreadsheet (“Master File_Green Marine”) has been created. This is a monitoring dashboard with links to Work Packages, Tasks, Deliverables, Milestones etc to the SharePoint site. The spreadsheet also includes the Green Marine GANTT Chart to monitor progress of activities. For reference see Figure 6.

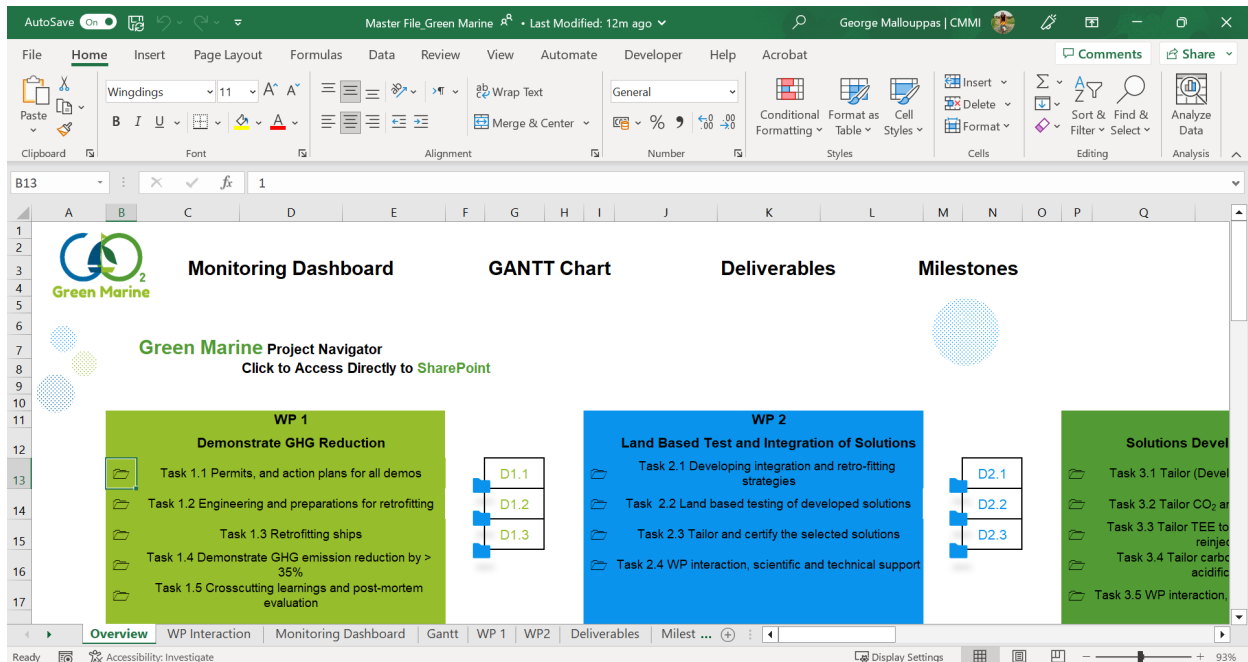


Figure 6. Green Marine monitoring dashboard

4. CONCLUSIONS

The SharePoint site has been set up and its functionality presented to the partners at the Green Marine Kick-Off Meeting on 15th - 16th February 2023, Larnaca Cyprus. The purpose of SharePoint is for the efficient management of the Green Marine activities, including deliverables, meetings, milestones.