



Retrofitting towards climate neutrality

D5.1 Report on API specification

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Project acronym: Green Marine

Project title: Retrofitting towards climate neutrality

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EXECUTIVE SUMMARY

This document is deliverable “D5.1 – Report on API specification” of the European Union project “Retrofitting towards climate neutrality” (herein referred to as “**Green Marine**”), with **Grant Agreement No. 101096522**.

The current document discusses about the deliverable D5.1 which is a part of WP5 – Software tool catalogue for GHG-emission reduction solutions. It describes the definition Application Program Interface (API) for each module in the Task 5.1 along with the input, output, and its usage. The client/user shall access the cloud/server data via API. The data will be stored on the cloud/server environment and individual API modules will interact with cloud/server to invoke the data and display to the client/user for decision making.

The overall aim of Deliverable D5.1 is to develop a software tool catalogue for various technology which shall aid in reducing the Green House Gases (GHG) emissions by defining the API specifications as per the requirements. The tasks under D5.1 has been divided into six sub tasks for different modules as per the Green Marine Grant Agreement. These include the capture & deacidification techniques, syngas engine injection, health, safety, risk and environmental aspect, techno economic assessment, social engagement module and core functionalities module.