Capacity with a pOsitive enviRonmEntal and societAL footprInt: portS in the future era

D5.1: Piraeus LL Scoping Document

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Executive Summary

This document aims to describe the technical specifications and scenarios to be implemented in the Living Lab of Piraeus that includes the Predictor – Asset Management, the Port of the Future – Energy Assessment and the Port of the Future Serious Game innovations of the COREALIS project.

A Requirement Traceability Matrix of the user requirements collected in the deliverable D1.3 "Ports needs and Requirements" associated to the Piraeus LL and the specific COREALIS innovations is shown in section 2.

Section 3 describes in detail the different scenarios, functional and non-functional, of the innovations to be tested in the Piraeus LL.

The system requirements, which are based on the user requirements presented in D1.3 and summarized in the section 2, are described in the section 4 of this deliverable.

Section 5 focuses on the technical aspects of the systems, the functional requirements, the necessary software and hardware, the interaction with existing systems, type of data, etc.

Section 6 describes the data needed for the successful implementation of the different scenarios to be tested in the Port of Piraeus.

In section 7, the possible interactions with other systems of the Port of Piraeus are listed.

Finally, section 8 summarizes the main conclusions of the systems to be implemented in the LL of Piraeus.