



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



### D.5.2: Valencia LL Scoping Document

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## Executive Summary

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This document aims to describe the technical specifications and scenarios to be implemented in the Living Lab of Valencia, which are the Advanced Truck Appointment System, the JIT Rail Shuttle Service and the Hackathon Organization.

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

Section 3 describes in detail the different scenarios and sub-scenarios of the innovations to be tested in the Valencia LL, mainly focusing on the case of the Advanced Truck Appointment System.

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 specifications, the necessary software and hardware, the interaction with existing systems, type of data, etc. In this chapter and the subsequent chapters 6, 7 and 8, only the TAS is described as the unique system that will be implemented in Valencia.

In Section 6 there are described the different implementation steps that the TAS will follow in the Valencia LL.

Section 7 describes the data needed for the successful implementation of the different scenarios to be tested in the Port of Valencia.

In section 8 the possible interactions with other systems of the Port of Valencia (e.g. ValenciaportPCS) are addressed.

Finally, section 9 summarizes the main conclusions of the systems to be implemented in the LL of Valencia.