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

D8.2: Exploitation plan

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Executive Summary

COREALIS proposes a strategic, innovative framework, supported by disruptive technologies, including Internet of Things (IoT), data analytics, next generation traffic management and emerging 5G networks, for cargo ports to handle upcoming and future capacity, traffic, efficiency and environmental challenges. It respects the limitations that many European ports are facing concerning the port land, intermodal infrastructure and terminal operation. It proposes beyond state of the art innovations that will increase efficiency and optimize land-use, while being financially viable, respecting circular economy principles and being of service to the urban environment. Through COREALIS, ports will minimize their environmental footprint to the city, they will decrease disturbance to local population through a significant reduction in the congestion around the port. They will also be a pillar of economic development and business innovation, promoting local startups in disruptive technologies of mutual interest. COREALIS innovations are key both for the major deep sea European ports in view of the mega-vessel era, but also relevant for medium sized ports with limited investment funds for infrastructure and automation.

This deliverable presents a summary of the business models as created in deliverable D8.4[1]. These business models are deemed to be the Key Exploitable Results (KER's) of the project, In the second part of the deliverable the individual partners will use these KER's for their individual exploitation plans.

These exploitation activities will help to integrate the COREALIS results into a wider-ranging agenda for smart port operations, and to apply lessons learned from the operational testing carried out in the project. Important aspects for enabling uptake of the results, as indicated by the roadmap.