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KNOWLEDGE THAT INNOVATES



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Thematic Cluster on Integrated  
Multimodal Sustainable Water  
and Land Transport



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## Project idea 1

Addressing the upgrade of the effectiveness of ICT/ITS technologies/solutions for the digitalisation of processes

# Project idea 1

Theme	<i>Innovation and digitalization</i>
Objective	<b>Addressing the upgrade of the effectiveness of ICT/ITS technologies/solutions for the digitalisation of processes</b>
Description	<p>Analyses from the TC4 project activities show that there is a widespread need for improvement/upgrade of the existing ICT/ITS infrastructure to foster transport digitalisation, the interoperability of communication and data sharing systems. To this end, attention should be paid also to the BCPs in the Balkan area.</p> <p>Innovation and digitalization involve also solutions to promote freight transport by means of new technologies like blockchain, Physical internet, IoT, etc.</p> <p>The proposed project is aimed at</p> <ul style="list-style-type: none"><li>- Defining the most common and critical shortcomings in operations involving ports, intermodal terminals and the entire logistic supply chain in the region.</li><li>- Deriving the requirements of ICT/ITS solutions capable to overcome such shortcomings</li></ul>

# Project idea 1

## Description

- Defining necessary adjustments and adaptations of existing ICT/ITS solutions to meet the requirements
- Carry out technical-economical feasibility studies and CBAs
- Testing the solutions in selected pilot sites
- Define a plan for facilitating a scale-up of the deployment
- Define collaborative solutions at Adrion level to foster the collaboration also beyond the project end

## Types of stakeholders involved

Infrastructure managers and port authorities  
Transport operators  
IT industry  
Customs  
Research institutes

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