

DigLogs newsletter n. 13 - August 2021

"As we are nearing the end of the testing phase of the Diglogs project, the project partners are testing their pilot solutions, collecting their results, and aggregating them into a Transferability plan in order to make them easy to understand and replicable by further stakeholders in the Programme area. The Transferability plan will describe how to transfer the tested technologies into different contexts."

University of Rijeka - Faculty of Maritime Studies - Lead partner of the DigLogs project

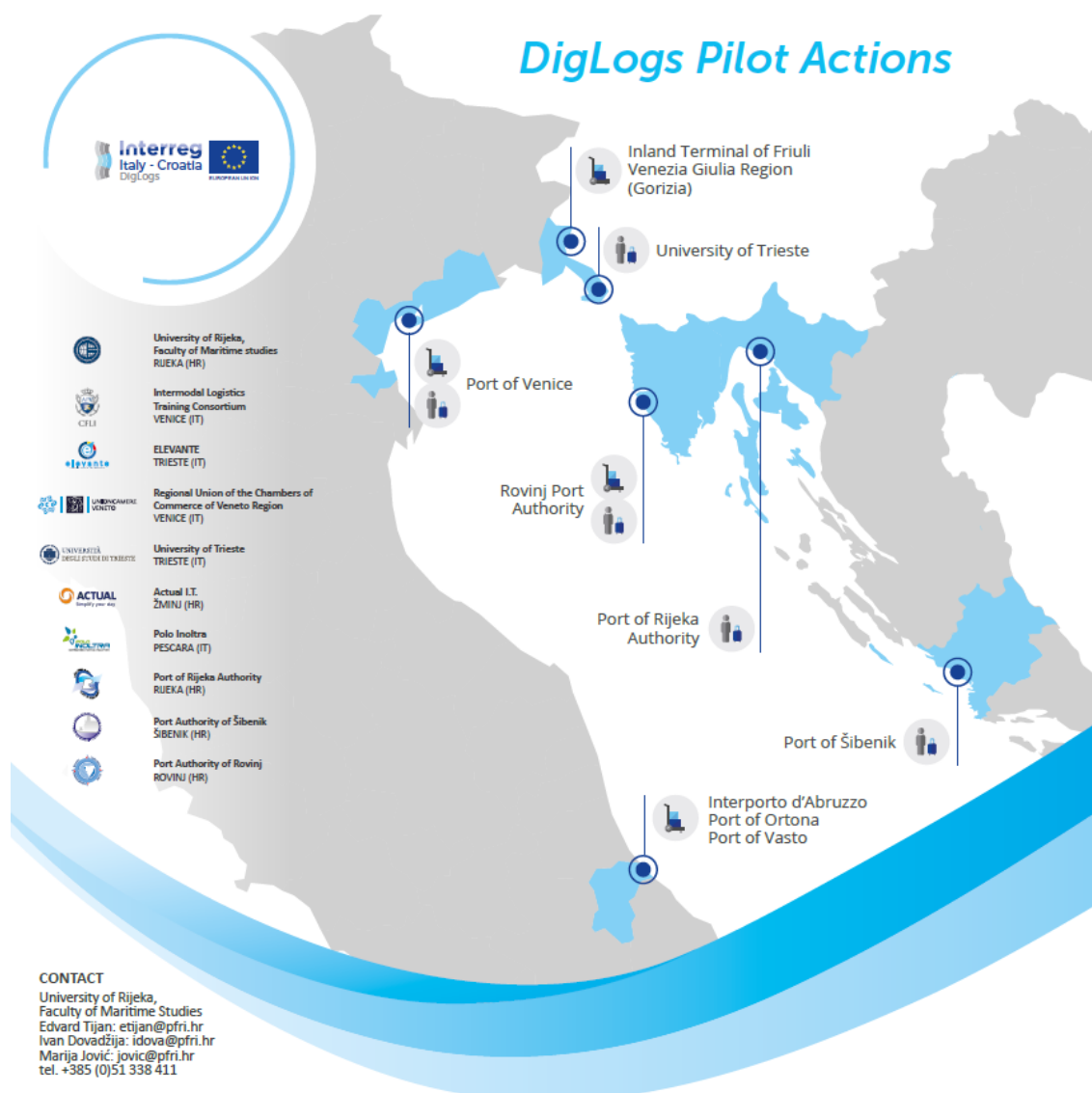
Stakeholder outreach in the Italy-Croatia Area!

The DigLogs (European project funded by the INTERREG Italy – Croatia CBC Programme priority axis 4 - Maritime transport) partners are again reaching out to different stakeholders across the regions to obtain input and insight on the roadmap for implementing pilot projects, which incorporate different primary innovations regarding the informatisation processes, big data and automation systems for Croatia and Italy Area. Diglogs is using an innovative platform for displaying the individual pilot area propositions and including links for collecting stakeholder input via questionnaires. The system also allows stakeholders to preview the other pilot areas and their characteristics. We hope that this user-friendly version of presenting the information on the pilots will allow for many stakeholders to understand and eventually provide their timely, insight into our final roadmaps, to be produced during at the end of 2021.

Diglogs Pilot Action overview:

Are you interested in learning about all of the pilots within Diglogs?

Please download the [multimedia project portrait](#) with an overview of all the Diglogs pilots and the [White paper](#) that provides a transversal overview of all the pilots, objectives, activities and how these pilots relate to a future full implementation.



Diglogs Series on Proposed Pilot Innovations:

6th Pilot – Warehouse Management System for Inland Terminal in Gorizia (Italy)

This pilot in the intermodal rail-road terminal of Gorizia (SDAG), Friuli Venezia Giulia Region, Italy demonstrates how multimodal transport arrangements (among a heterogeneous set of logistics operators including carriers, logistic providers, transport operators and authorities) can be thoroughly and conveniently optimised by exchanging real-time information concerning planned delivery schedules.

This pilot focuses on the implementation of a Decision Support System (DSS) linked to SDAG Warehouse Management System (WMS), enabling the interconnection between

Multimodal Transport Operators (MTO), terminal operators and carriers in one single digital access platform, allowing them to be timely informed and to synchronise their delivery schedules, thus optimising the final leg of the intermodal transport chain (i.e. from the SDAG terminal to the final destination) from both operational, economic and environmental perspectives.

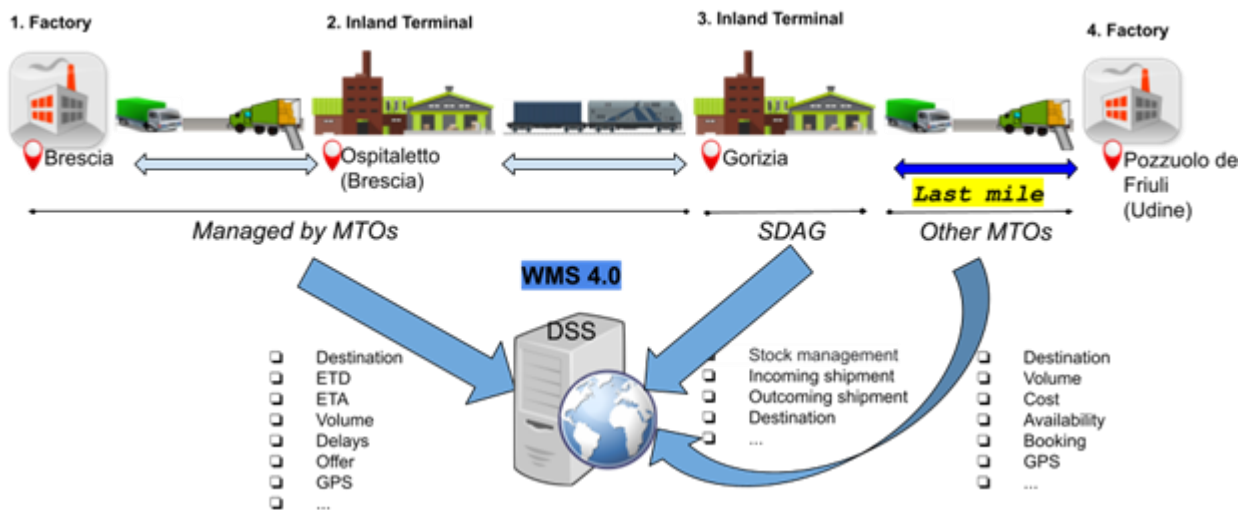
Pilot

Scenario

The pilot will implement an open-source platform, providing optimised transport arrangements for last mile transport segments, by making use of specific algorithms and coordinated data from multiple stakeholders. WMS is a software application, designed to support and optimize warehouse functionality and distribution centre management, specifically facilitating the management of daily planning, organizing and staffing, as well as providing support to control the utilization of available resources, to move and store freight into within and out of a warehouse, to assist staff in the performance of material movement and storage in and around a warehouse. The DSS and the WMS at the Gorizia inland terminal (to which the formed will be connected) will synergically provide an "intermodal transport network IT interface" which, by offering a specific intermodal appointment solution, will allow logistics operators to choose among different possible coordinated scheduling solutions and be timely informed about possible delays/disruptions on their way to the terminal in order to ultimately optimise transport operations for specific legs of the multimodal chain.

What will be the benefits of the Pilot?

- Smart and efficient management of cargo in the warehouse
- Savings in terms of time and cost during the moment of loading/unloading in the warehouse
- Link the Inland terminal to the intermodal network
- Allow the logistics operators to know the exiting intermodal services from the Inland terminal operating in the pilot (and others)
- Developing and implementing intermodal transport instead of 'all road' transport in Programme Area



Ideal Implementation Scenario

WMS 4.0 uploads and shares data and information from MTOs, Inland Terminal and truck vehicles.

The pilot requires the following realizations:

- Real time monitoring of warehouse stock management volume
- Creating of the Truck Appointment System (TAS)
- MTOs tendering offers
- DSS implementation
- Service Review

Actors involved are Inland Terminal Management Body, Road hauliers, Combined Railroad transport operators, MTOs, Shippers and Customs operators.

This is the 13th edition of Newsletter series of the DigLogs project!

DigLogs is a European project funded by the INTERREG Italy – Croatia CBC Programme priority axis 4 - Maritime transport that aims to create technological

solutions, models and plans to establish the most advanced digitalized logistic processes for multimodal freight transport and passengers' services in the Italy-Croatia area. This project will have a significant impact in terms of diffusion and effectiveness of digitalized services and ICT support for the quality, safety and environmental sustainability. In the E-newsletter you will find interesting information on the latest developments and upcoming events of the project.

Stay Tuned for our Next DigLogs newsletter in December 2021!

Any questions, please write to University of Rijeka, Faculty of Maritime Studies (lead partner): dekanat@pfri.hr