

DigLogs

WP2 Pilot implementation

Progress Report #2

5.1.2. WMS 4.0

Responsible partner: PP2 - Elevante s.r.l			
Involved partners: n/a			
Version	Status	Date	Author
1.0	Final	04.06.2021	Elevante s.r.l
Notes:			

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1 Reporting period

Reporting period	12.04.2021 – 04.06.2021
Date of the report	04.06.2021

2 Pilot action progress status

2.1 Pilot implementation schedule

The creation of a **pilot project work plan (D5.1.1 PWP)** is a result of studies, analysis and planning of envisaged tasks and activities. D5.1.1 PWP, which should be read in conjunction with this report, already defined the tasks to be carried out to implement the WMS 4.0 Pilot Action.

For ease of reference, WMS 4.0 – to be implemented in the form of a DSS (web application) connected with the WMS operating at the Gorizia inland terminal – aims to solve the transport challenges affecting the very last mile of the multimodal transport chain; therefore, it specifically aims to demonstrate how, multimodal transport arrangements – about scheduled shipments – 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. A novel aspect of the envisaged DSS is the ability to provide an interface between MTO, terminal operator and truck drivers to best plan, schedule and coordinate the execution of last mile transport operations in order to ultimately realise an intermodal terminal appointment system.

WMS 4.0 Pilot Action was thoroughly described in the above-mentioned document with regard to its overarching aims, objectives and the specific technical activities to be performed, including design/integration of systems as well as development of tools, web application and associated testing.

Moreover, the project management methodology, its risk management, the scheduling of activities as well as an accurate specification of functional and technical requirements were

defined within the reporting period. Whilst the **technical-functional specifications** were included in a purposely drafted document (to which the reader should refer to), WMS 4.0 requires a technology-based solution for a wide data collection management system whose primary functions include:

- Data Accessibility
- Entity Profile Administration
- User Accounts Management
- Data Integrity
- WMS 4.0 Administration Panel
- DSS (Decision Support System)
- System Security
- Links to related systems/external compliance database
- Entities and related data

Below the timeline of the action is illustrated with indication of the milestones achieved within the current reporting period, in accordance with the scheduling.

Action id	Activity title	Year and month							
		2021							
		3	4	5	6	7	8	9	10
1	Creation of the pilot work plan draft								
2	Creation of the pilot work plan	M1 ✓							
3	Creation of the technical-functional specification draft								
4	Creation of the technical-functional specification	M2 ✓							
5	Completed procurement documentation and award								
6	Development of preliminary functionalities (e.g., TAS) and system integration								
7	Development of DSS								
8	Fully integrated DSS testing						M3		
9	Full system deployment in production								M4

M1= Completed Project Work Plan

M2= Completed Technical-functional specification

2.2 Progress status

The procurement documentation was finalised during the reporting period and the document outlining the functional, technical and design requirements had been previously approved by the WPL.

The external supplier for the development of the pilot was identified and, following multiple interactions and brainstorming meetings regarding implementation aspects, they are currently taking part to the Pilot implementation team and on track toward concluding the development of preliminary functionalities (e.g., TAS).

2.3 Milestones and actions

Milestone / action	Responsible partner / external resource	Deadline, as defined in PWP	Predicted or achieved completion date	Estimated completion %	Progress status
Completed project work plan draft (action #1)	PP2	8 th March 2021		100 %	Fully completed
Creation of the pilot work plan (action #2 leading to M1)	PP2	19 th March 2021	End of March 2021	100 %	Fully completed
Creation of the technical-functional specification draft (action #3)	PP2	31 st March 2021		100 %	Fully completed
Creation of the technical-functional specification (action #4 leading to M2)	PP2	31 st March 2021	End of March 2021	100 %	Fully completed
Completed procurement documentation and award (action #5)	PP2	End of April	End of April	100 %	Fully completed
Development of preliminary functionalities (e.g., TAS) and system integration	PP2	End of July	End of July	20 %	Ongoing

3 Risks

The implementation of the workplan did not generate any risk during the reporting period and all foreseen activities could be executed with minimum delay, associated with procurement issues, which did not cause an impact to progress the development activities.

4 Next steps

Next steps regard:

The development of the WMS 4.0 functionalities as defined in functional requirements document (action #6).

Although technical requirements were already identified, according to the adopted collaborative and agile working method, the scope and technicalities of the primary functions of WMS 4.0 might be subject to very minor changes during the development and implementation stages in order to best reach the goals and timescales set out in the functional specification document.