



Freight 4 All



Projet cofinancé par le Fonds Européen de Développement Régional
Project cofinanced by the European Regional Development Fund

Freight4all Generic Harmonisation Framework

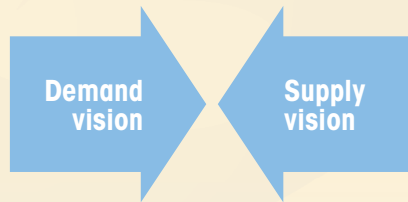
The Generic Harmonisation Framework (GHF), drawn up under the responsibility of the Valencia Port Authority (PAV), is the first phase of Component 3 Harmonisation Framework and System Architecture. The assessment of the **current situation** at transport logistics and ICT level allows the establishment of a harmonized operational model that **guides** the development of the specifications of the ICT solution detailed system architecture.

A dedicated questionnaire has been developed for the collection of information by the partners. It was structured into four parts covering both the demand and supply side.

Gateway: the main purpose of the Gateway module is to ensure the security mechanisms of the Freight4all platform, applications (systems), involved users and the auditing and monitoring of the systems uses. In addition it should provide the proper administration tools of the distributed system.

Workflow: the Workflow module is concerned with the services that the FREIGHT4ALL platform will provide. It is the responsibility of this component to allow the creation of new services, management of existing services and the provision and running of these services reflecting widely applicable use cases.

- Multimodal Transnational Business Cases
- Provisional List of Relevant e-Services



- E-Platforms and systems suitable for FREIGHT4ALL
- Common agreements for the GHF

Interconnectivity and interoperability: This module is related to the facilitating of both internal and external electronic transactions. The interconnectivity refers to the seamless communication and interfacing supporting different

- 17 representative transnational multimodal transport business cases have been analysed.
- 5 e-platforms / backend systems to be used in the FREIGHT4ALL ICT integrated solution have been analysed (Valenciaport Port Community System, Spanish Customs System, IPBO Multimodal Freight Platform, LuKa Koper Port Community System, Marseilles Cargo Community System AP+)

protocols (e.g. SOAP, FTP, SMTP) between FREIGHT4ALL platform - backend systems and FREIGHT4ALL platform - external systems. The interoperability functionality is concerned with the validation, verification and transformation of data exchanged during service execution. The module uses smart mechanisms so that each system will be able to participate in these transactions regardless of its internal IT infrastructure and capacity.

The GHF is developed in three layers a) the **demand layer** that provides the key issues that the MED Freight Transport market is interested in based on the requirements expressed in the Business Cases analysed, b) the **supply layer** that provides the capabilities of the e-platforms and their contribution to Freight4All as well as the agreements for achieving interoperability and c) the **administration and policy layer** that contributes to the development of the policy dimension of the project.

Benchmarking: a performance monitoring module used a) for the assessment of the transport system performance and b) the auditing, analysis and reporting of the system's operation. The module collects data from the services that are accessed and reports on their efficiency within the platform. The system architecture defines:

The public version of D3.1 – Freight4all Generic Harmonisation Framework will be available soon on the project's web site.

Phase 3.2 Development of System Architecture for a collaborative ICT platform is also well advanced.

- The **system specifications** in terms of functionality, information and communication for each module,
- The **general requirements** for connecting client systems, the definition of generic services provided (transport related or basic ones) by backend systems as well as their interfacing with the platform.
- The **consolidated services** that will be provided by FREIGHT4ALL to community users (e.g. external freight integrators) in order to support them in real life intermodal transnational transport chains.

The system architecture of the FREIGHT4ALL platform is based on the outputs of GHF and comprises of four main modules, each one having corresponding functions.

FREIGHT4ALL partnership consists of 8 partners from 5 countries of the MED area



Decentralized Administration of Crete- DAC

The Decentralized Administration of Crete, through the Direction of ICT, coordinates and contributes to the development of activities for the planning and development of all ICT systems of the Decentralized Administration in the island of Crete.

www.apdkritis.gov.gr



Institute for transport and logistics foundation - ITL

ITL foundation was set up by Emilia-Romagna Regional Government to contribute to the development of the logistics system in Emilia-Romagna by providing research, consulting and training activities.

www.fondazioneITL.org



Association for the development of vocational Training in Transport - AFT

AFT, founded in 1957, is part of the AFT-IFTIM Group who is the leading organisation for training in transport, logistics and tourism. It represents 32 professional bodies and has 24000 company members.

<http://www.aft-iftim.com>



Interporto Bologna - SPA-IPBO

The Bologna Freight Village consists of an integrated system of logistic, rail and road infrastructure, spanning across an area of 2.4 million sqm

<http://www.bo.interporto.it>



Port Authority of Valencia - PAV

The Port Authority of Valencia (PAV), operating under the trade name of Valenciaport, is the public company responsible for the management and administration of three state-run ports situated on an 80-km stretch of the Spanish Mediterranean coastline: Valencia, Sagunto and Gandía

<http://www.valenciaport.com>



Universidad politecnica de Valencia - UPV

The DSRTL research group of the Universidad Politécnica de Valencia, develop work related with new technologies, content distribution, real time systems. The research group also has a strong expertise in training as CISCO, Novel and partner of different companies

<http://www.upv.es>



Campania Region - CR

The European affairs department of the Campania region aims to improve the effectiveness of regional development policies, through the vast scale exchange of information and sharing of experience and best practices.

<http://www.regione.campania.it>



Luka Koper - LK

Luka Koper, port and logistic system, d.d. is a public limited company that operates all the terminals and the port area of the only Slovenian commercial port - the Port of Koper.

<http://www.luka-kp.si/eng/>

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