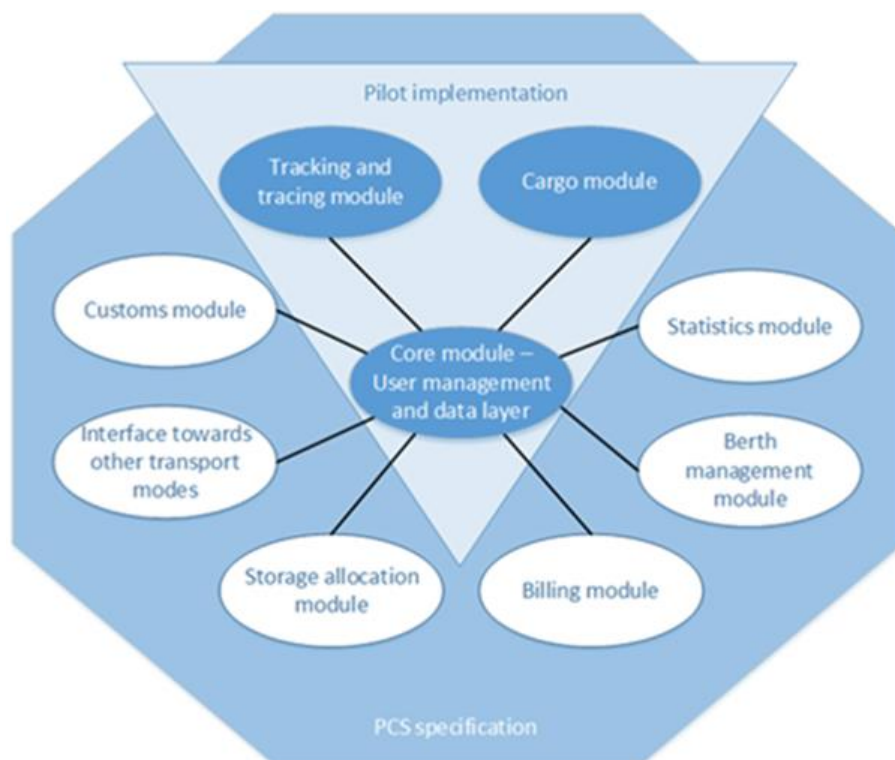


DAPhNE – Project progress by Work Packages Annex to the 3rd Electronic Newsletter

Port development (WP5)

When it comes to port development, the DAPhNE consortium successfully elaborated a report on the status of port infrastructure development along the Danube. The consortium decided together on the locations to be tackled based on the available information and the relevance of these ports for the entire Rhine-Danube corridor. The resulting report contains a complex infrastructure inventory of selected ports, cargo flows over the last 10 years, all port development projects reported by the analysed ports as well as a self-assessment matrix of the ports needs in the forthcoming period. One major innovative aspect of this work package and hence of the entire project has to do with the planning and deployment of a pilot action for the set-up of a Port IT Community System (PCS) in Austria (Enns), Slovakia (Bratislava) and Serbia (Novi Sad & Smederevo).



The PCS is an electronic platform which connects multiple systems operated by a variety of organisations acting in the port area (traffic controllers, lock operators, dock & harbourmasters, shipping police and customs, etc.). Among the benefits of such a system are: access to transparent and uniform information, accurate real-time monitoring of ship movements, efficient coordination and planning of transport flows and operations, efficient vessel voyage reporting, acting as “single window” for reporting formalities, etc.

The Croatian partner RGO is currently working on developing the technical specifications for the three modules that will be implemented in the ports of Enns, Bratislava, Novi Sad and Sederevo, namely, Tracking and Tracing, Cargo and Core module. On top of these, RGO is also preparing technical specifications for other six modules which can be developed at a later stage: (i) statistics, (ii) berth management, (iii) billing, (iv) storage allocation, (v) customs and (vi) interface towards other transport modes.

With regards to the development work, the **core module** development is already under way and the other two modules will follow in the upcoming weeks. The core module will serve as a backbone for the other modules as it will enable centralized management of user roles and access rights. One user account with a single sign-on for all PCS modules will be used.

The **tracking and tracing module** will enable users to view AIS data (automatic identification system) on a map which provides an overview of the traffic situation, the setup of alarm zones, automatic logging of relevant data fields from AIS (i.e. arrival and departure times for vessels) and integration of IP CCTV system at designated ports. The **cargo module** will provide cargo and ship data such as entrance report, vessel & voyage details, cargo manifest / Bill of Lading, exit report to the designated port community. Most of the data can be collected automatically if the vessels use the RIS applications: AIS connection for intelligent and automatic detection of port entrance and exit times and ERI connection for various voyage and cargo details. As an electronic platform that enables intelligent and secure exchange of information between public and private stakeholders, PCS improves the competitive position of ports in the way that it optimizes, manages and automates port and logistics processes through a single submission of data.