

Common challenges and best practices

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Common challenges – introduction

Within INTESA, project partners developed the following outputs at local level:

- 1) SWOT analysis and needs assessment
- 2) Analysis of the state of the art of IT process in the Adriatic Ports involved
- 3) Benchmarking of IT systems for the optimization of port operations, procedures and data sharing
- 4) Identification of possible solutions
- 5) Recognition and selection of the ASMs for the Adriatic area and technical specifications
- 6) Feasibility studies on innovative solutions for data capturing and processes' optimization

The Port of Trieste, as Work Package leader, consolidated them in cross-border documents.

Common challenges – main results

All ports have similar challenges:

- Deep sea side: design and implementation of integrated ICT tool for the management and broadcast of the information on Maritime Safety to all ships en-route in the Adriatic Sea to improve safety in maritime transport operations;
- Port sea side: to optimize the procedure to enter and exit from the port, avoiding waiting times and limiting the use of technical services as for example tug boats; to increase port performances in bad weather conditions safeguarding safety and security requirements;
- Land sea side: to optimize the port procedure from unload of the cargo from the ship to the forward by train or truck and vice versa.

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Port Community Systems play a pivotal role in all the aforementioned domains and will be further enhanced accordingly by all ports.

Best practices

Italian and Croatian ports have identified several best practices on ICT tools which could be adapted and adopted:

- Digital twins
- IT tools to share weather and tide information - real time meteorological information
- Combination of traditional Aid-to-Navigation (ATON), such as lights and buoys, with virtual ones
- Pilot Portable devices

Further international best practices will be presented in the next few slides.


Thank you for your kind attention!

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