

# TMC Wien : WP5 Demonstration

Demonstrator 5 Elbe

***RISing***  
River Information Services for Transport & Logistics



RISING is co-financed by the European Commission (DG-TREN) within the 7th Framework Programme for Research and Technological Development.

## Objective of Elbe case

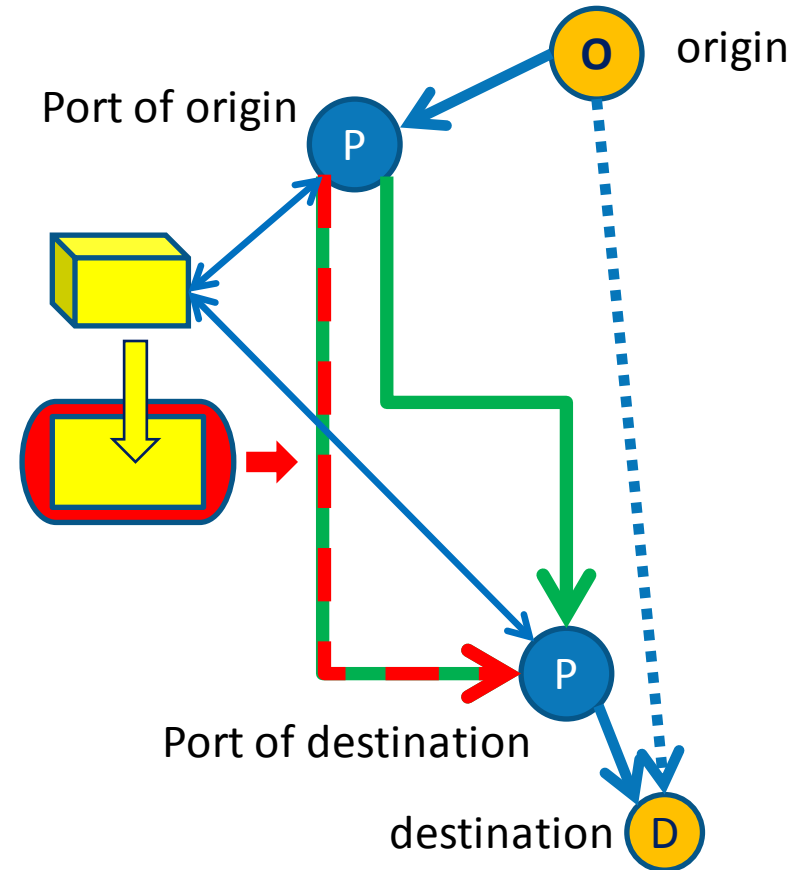
- Foresighted feasibility check of IWT of project cargo (later incl. bulk) for transport users and administration.

## Scope of Elbe case

- pre-planning tool within Elbe Promotion Center ElbPro
- Czech and German Elbe river until Hamburg
- alternatively through Mittelland and Elbe side canal
- ports and transshipment places
- push barges and motor ship fleet

## Work flow in the pre-planning tool

- port selection
- route selection
- ship – cargo check
- ship – route check



## Input to pre-planning tool

- cargo features and transport requirements
- list of ports and transshipment places
- port capacities
- waterway features (fairway, bridges, locks)
- distance matrix (initially port to port, later section length)
- list of ship types (push barge and motor ship)
- water level service
- vertical clearance service
- lock operating status service
- port berthing access

## Port capabilities

- port transshipment capacities  
crane lifting capacity, Ro/Ro-ramps, mobile crane area, area and point load, operational hours, land access
- port berthing access  
draft limitations, vertical clearance limits

RIS sub services of terminals as land related information :

- Provide information on category of terminal
- Provide information on cranes and boat ramps
- Provide information on regular operation times of terminals

> No standard description applicable

## Output of pre-planning tool

- **Transport is feasible** *providing*  
ETA, port of origin & destination, travel time, ship type
- **Transport is not feasible** *because*
  - no appropriate ship available,
  - no appropriate port available,
  - no routing available within requested time frame.→ Modified request possible due to reasonable denial.



Thank you for your attention

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