DAPhNE Goals & Structure

Project Environment

Pro Danube International

Danube Commission Workshop,
8th June 2017, Budapest
Contents

• Danube Programme details  
  (1st call & capitalization strategy)
• Policy & strategic background
• DAPhNE facts & figures
• Project goals
• Main result
• Progress in 2017
### 1st call of the Danube Transnational Programme

<table>
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<tr>
<th>Submitted EoIs (step 1)</th>
<th>SO 3.1 Transport</th>
<th>Invited for 2nd step</th>
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- **10th among the 54!**
- **3rd among the 11!**
DTP Capitalisation

- Development of Danube Ports
- Increased cooperation between key actors in the Danube-Black Sea Region
- Integrated policies for environmentally friendly, safe & balanced transport systems
- Eliminate administrative barriers for IWT
- Increased institutional capacity in Danube navigation (education & public services)
- Smart, Integrated and Harmonized Waterway Management

Projects:
- DAPhNE
- DANTE
- Pole 7 Waterborne Transport
- Danube Skills
- DBS Gateway Region
- DANUBE STREAM
- GREEN DANUBE
Danube Waterway: High Potential – Numerous Challenges

Strengths
• Danube serves an economic area of circa 90M inhabitants
• Connects CE & SEE with growing markets in Black Sea Region
• Environmentally friendly transport corridor
• Can provide cost-effective logistics for land-locked industries ensuring competitiveness and jobs

Challenges
• Ensure standards for waterway maintenance
• Elimination of infrastructure bottlenecks
• Promotion of investment in Danube Ports and unlocking their economic potential
• Modernize Danube fleet
• Reduce logistics costs by elimination of administrative barriers
DAPhNE

- Quality infrastructure
- Environmental quality through low emissions
- Skilled workforce and quality jobs
- Integration of inland navigation into the multimodal logistics chain

Europe 2020 Strategy

- Combine private & public investment to reach 3% of EU’s GDP

DAPhNE Danube Ports Network

R&D & Innovation Policy

NAIADES II

- Increasing cargo transport on the Danube by 20%
- Develop efficient multimodal terminals at river ports along the Danube
- Solve shortage of qualified personnel

EUSDR Priority Area 1.A

- Develop appropriate infrastructure – shift road freight to other modes (rail, waterway)

White Paper on Transport 2030/2050

- Port & IT Management concepts addressing the Physical Internet & Logistics 4.0, pilot port community systems
Same River – Same Rules & DAPhNE

Lead Partner: Pro Danube International/ AT

ERDF Partners:
- Ennshafen Port/ AT
- iC consulnten ZT GesmbH/ AT
- University of Applied Sciences Upper Austria/ AT
- National Company Maritime Danube Ports Administration Galati/ RO
- National Company Maritime Ports Administration SA Constanta/ RO
- Ovidius University of Constanta/ RO
- Pro Danube Romania/ RO
- Ministry of Transport/ RO
- Bulgarian Ports Infrastructure Company/ BG
- Public Institution Port Authority Vukovar/ HR
- RGO Communications Ltd./ HR
- ILR Logistica Romania SRL/ RO
- Hungarian Federation of Danube Ports/ HU
- Public Ports jsc/ SK

IPA Partner:
- Port Governance Agency/RS

Associated Strategic Partners:
- Container Terminal Enns/ AT
- Giurgiu Municipality/ RO
- Port of Vienna/ AT
- Ministry of the Sea, Transport and Infrastructure/HR
- Ministry of Transport, Information Technology & Communications/BG
- Danube Logistics SRL/ MD
- State Enterprise Ukrainian Sea Ports Authority/UA
Same River – Same Rules & DAPhNE

- Need for strategies, guidelines & tools to eliminate the gaps between Upper, Central & Lower Danube Ports

- Start Date: 1 January 2017
- End Date: 30 June 2019

<table>
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<th>Budget Category</th>
<th>Amount</th>
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<td>Overall budget</td>
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<td>ERDF Contribution</td>
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<td>IPA Contribution</td>
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<td>Own contribution</td>
<td>447,810.96 EUR</td>
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Project co-funded by European Union Funds (ERDF, IPA)
DAPhNE Goals

Guidelines for green port policy
Concepts for alternative energy provision & distribution
Strategies & best practices for human resources development in the Danube ports

Know-how transfer for a common port development strategy

Harmonized instruments to stimulate public & private port investments
State Aid Model Schemes
Port legislation Recommendations

Pilot action for a model architecture for a Danube port IT community system
PCS implemented in min. 3 ports (AT, SK, RS)
Logistics 4.0
The Physical Internet

Intersectoral & transnational cooperation for better port services

Danube Ports Network

Innovative IT solutions for the Danube Port Community
DAPhNE Main Result

*Improved cooperation due to the set-up of the Danube Ports Network*

- Open to any interested party:
  - Port administrations
  - Port users
  - National & local authorities from the Danube Region
- Operational by June 2019 & including approx. 120 members
- Free access of members to all project outputs & deliverables
- The Danube Ports Network will continue to run as an independent entity
- Facilitate interaction of members via dedicated events organized:
  - Port Info Day: promote Danube ports as logistics & services hubs
  - Port Policy Day: policy & management issues
Danube Ports Info Day: 11th May 2017 Munich Transport Logistic Fair/DE

- Promote Danube Ports as logistics & service hubs as well as ideal locations to setting up businesses needing waterborne & intermodal logistics infrastructure
- Structured discussion – round-tables focused on
  - Port infrastructure
  - PPPs for port investments
  - Innovation & new markets in the Danube Region
  - Promote those Danube ports that have not secured funds to attend the Logistic Fair
  - More than 40 participants from the Danube Riparian countries
- Upcoming Danube Ports Info Day, part of the DAPhNE project:
  - 4-7 June 2019 Munich Transport Logistic Fair/DE
Danube Ports Info Day: 11th May 2017 Munich Transport Logistic Fair/DE

Port IT Community System – pilot action

- Neutral and open electronic platform enabling intelligent and secure exchange of information between public and private stakeholders in order to improve the competitive position of ports
- Optimizes, manages and automates port and logistics efficient processes through a single submission of data and connecting transport and logistics chains

- Automated customs procedures
- Automated billing
- Berth planning and management
- Interfaces to RIS Sub-systems: AIS, ERI, Hull DB
- General guidelines and recommendations for inland ports
- Case study of one particular port
- System design for pilot
- Pilot implementation of some segments of the PCS
Antwerp/BE Study Visit Port IT Community System: 22nd June 2017

Help gather information from the Rhine region to better structure the pilot action regarding the Port IT Community Systems on the Danube

- **Basic characteristics of the PCS**
  - functional requirements
  - boundaries/limits

- **Port processes covered by the PCS**
  - system design from an IT-perspective
  - operation of the system

- **Management topics**
  - who operates the system
  - who are the stakeholders
  - what were the needs
  - which problem(s) was/were solved by investing in a PCS

- **Experiences with the current PCS**
  - most beneficial parts of the PCS
  - parts of the PCS with most impact on the port’s processes
  - potential underperforming parts of the PCS and ideas for their improvement
Port IT Community System –pilot description

- Duration: 09.03.2017-31.12.2018
- Implementation of the PCS in:
  - Enns/ AT, Bratislava/SK, Novi Sad/RS, Smederevo/RS
- Modular approach focused on:
  - Traffic monitoring
  - Automatic cargo type and qty. detection
  - Berth allocation
  - Storage allocation
  - Automatic billing
  - Automatic statistics
- Develop, implement & operate the modules as selected by the ports involved
- Demo phase: min. 3 months – use the system in the ports and collect info
- 2 pre-feasibility studies on PCS in RO: Constanta & the Maritime Danube Ports
Port Policy Days – 18 October 2017 Budapest/HU

- 6th EUSDR Annual Forum – 18-19 October 2017 Budapest/HU
  http://www.danube-forum-budapest.eu/
- Organized in the morning, not to overlap with the Annual Forum

Topics foreseen:
- EC Port Policy Framework
- Dedicated public port finance opportunities
- State-aid schemes for port investments
Thank you for your attention!

Robert Rafael
Pro Danube International
rafael@prodanube.eu
+43 1 890 66 47 25

Raluca Danila
Pro Danube International
danila@prodanube.eu
+43 1 890 66 47 23

http://www.interreg-danube.eu/approved-projects/daphne

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