Managing the future of Rhine ports barge traffic

Demo and Project Presentation of RPIS – RheinPorts Information System

Geneva, 19 June 2019
Digitalisation
Digitalisation
Integration beyond the terminal borders

Cargo Owners

Shipping Lines

Customs

PCS
RheinPorts & Upper Rhine
RheinPorts & Upper Rhine

RPIS – Stakeholders
Scope of RPIS – RheinPorts Information System
Role of Inland Ports in the Digitalisation of Inland Waterways

Source: CCNR (Feb 2019)
RPIS 4.0 – Harmonisation in Digital Transformation

- **Stakeholders:**
  - Customer
  - Barge Operator
  - Terminal Operator
  - Port Authority
  - Customs

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**Legende**

- **Projects**
- **Organizations / Expert Groups**
RPIS 4.0 – Smart Inland Port Community System

LEGEND
ALREADY IMPLEMENTED
IMPLEMENTATION PLANNED
FEASIBILITY STUDY PLANNED
Key Takeaways

- Clearly defined project ownership and responsibilities
- Stakeholder, change & integration management
- Modular design of IT systems & Flexible interfaces
- Minimally invasive integration
- High degree of standardisation
- Involvement of new technologies
  - IoT & Big data approach
  - AI & Block chain
  - Drones
Thank You for Your Attention