

Managing the future of Rhine ports barge traffic

Demo and Project Presentation of RPIS – RheinPorts Information System



ENCOURAGING THE REALIZATION OF A MODERN FLEET, ENHANCING NAVIGATION SAFETY AND FOSTERING INNOVATIONS
Fifty-fifth session of the Working Party
on the Standardization of Technical and Safety
Requirements in Inland Navigation (SC.3/WP.3)

Geneva, 19 June 2019

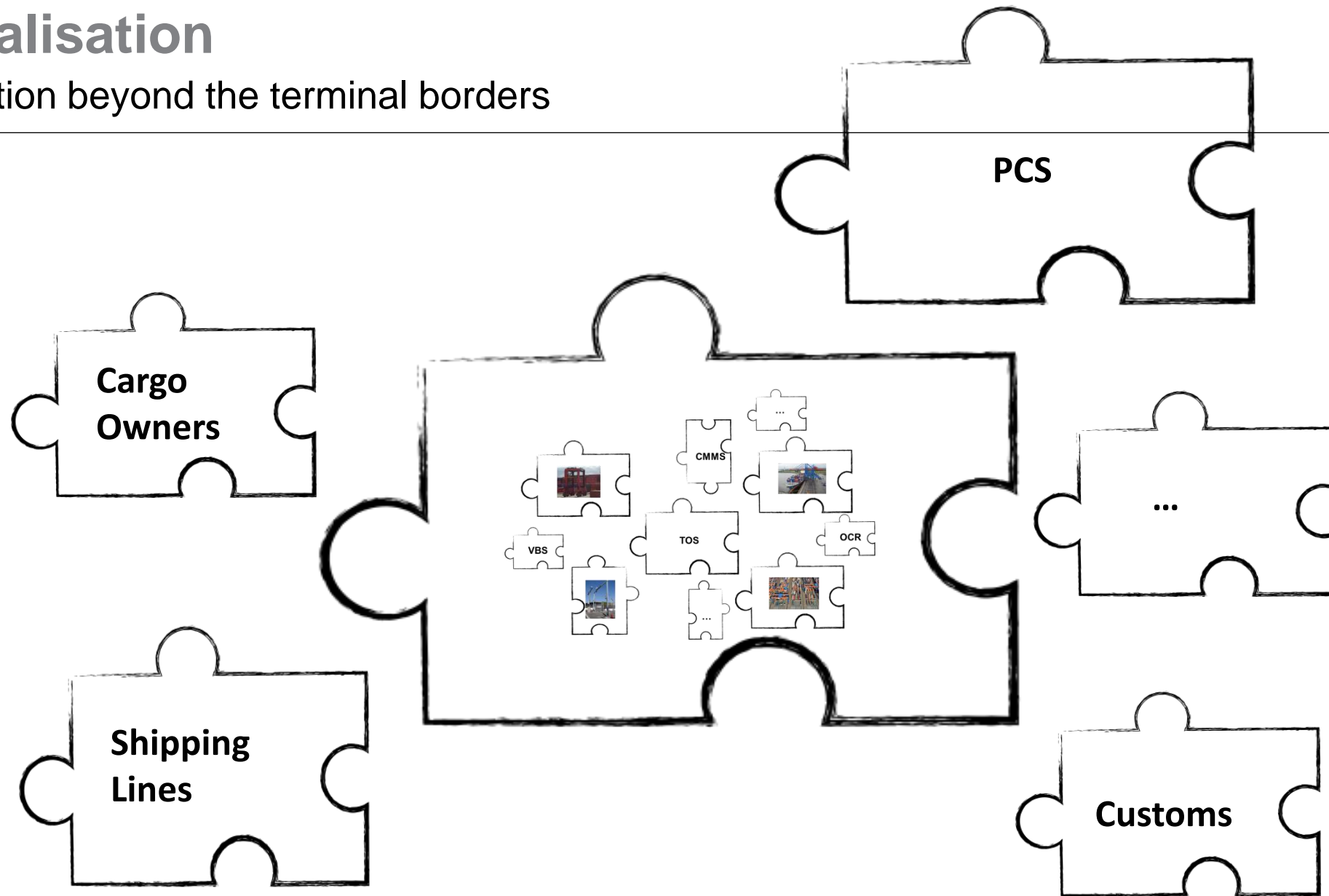


Digitalisation

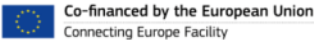
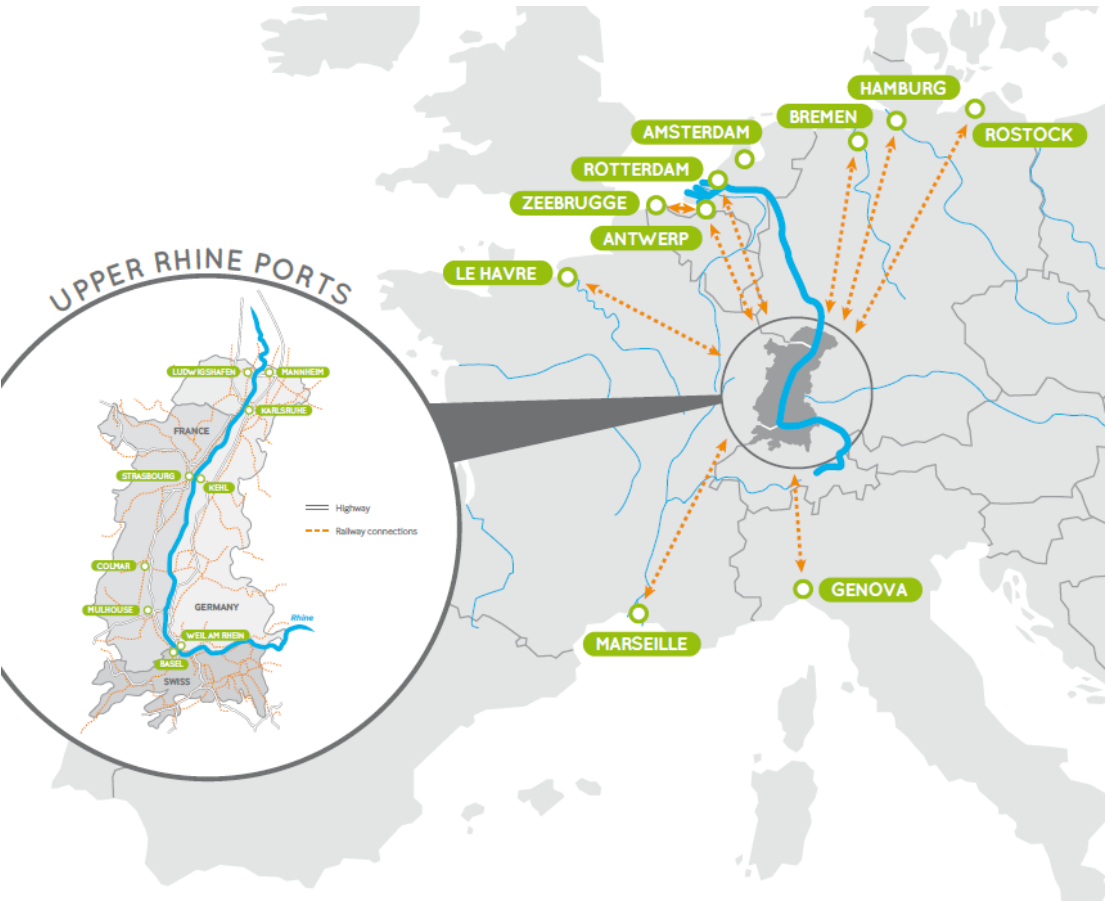


Digitalisation

Integration beyond the terminal borders

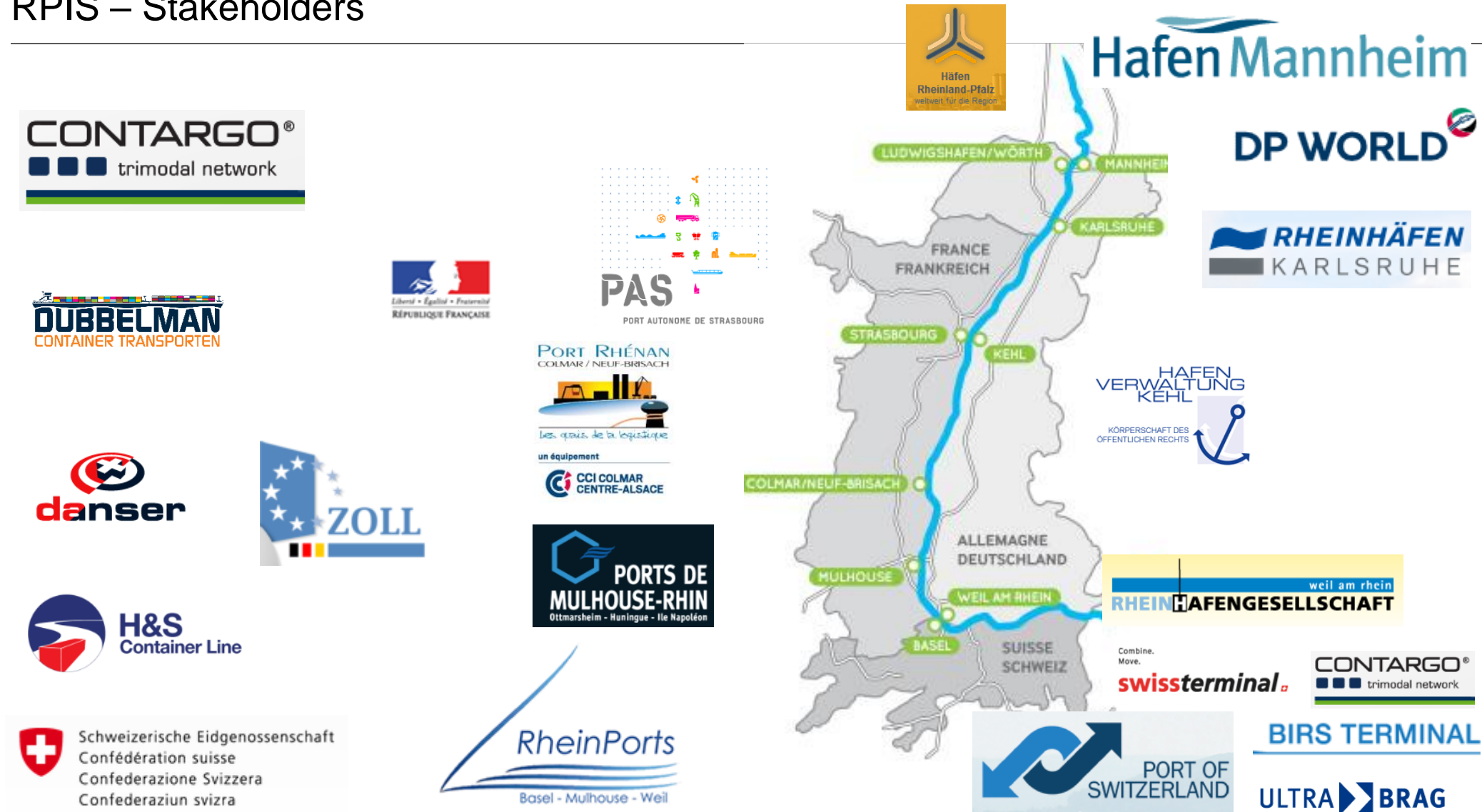


RheinPorts & Upper Rhine



RheinPorts & Upper Rhine

RPIS – Stakeholders



Scope of RPIS – RheinPorts Information System

Planning requests

Call ID	Barge	ETA	State
667	CONCORDE	05-06-2018 10:00	Executed
668	CONCORDE	05-06-2018 14:00	Late request
669	PHILOS	06-06-2018 10:00	Sent
664	CONCORDE	07-06-2018 08:00	To send
670	CONTARGO	07-06-2018 11:00	Sent

Last received ATA's for PHILOS

PHILOS
BARGE: 244670773
ATA: 04-06-2018 17:15
status: moored

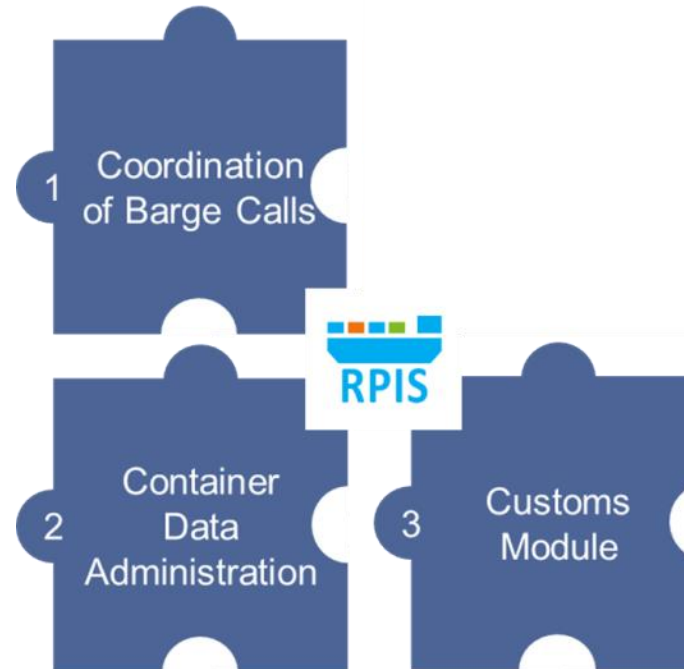
Discharge / Load list

General information

Call ID: 667
Terminal: PORTS DE MULHOUSE-RHIN OTTMARSHEIM
Barge operator: CONTARGO WATERWAY LOGISTIC BV
ETA: 04-06-2018 16:58
Barge name: CONCORDE

Containers

Discharge/Load	Container number	Container type	Gross weight (kg)	Full/Empty	Export/Import	Booking number	AT
Discharge	RPS0406181	20G1	19656	Full	Import	Bookingnr 456789	04-06-2018 17:01
Discharge	RPS0406183	45G1	19656	Full	Import	Bookingnr 456789	04-06-2018 17:05
Discharge	RPS0506182	20G1	19656	Full	Import	Bookingnr 456789	04-06-2018 17:07



Verkehrs Anmeldung

Ladung: 12345
Fahrzeug: 12345
Fahrer: 12345
Zielort: 12345

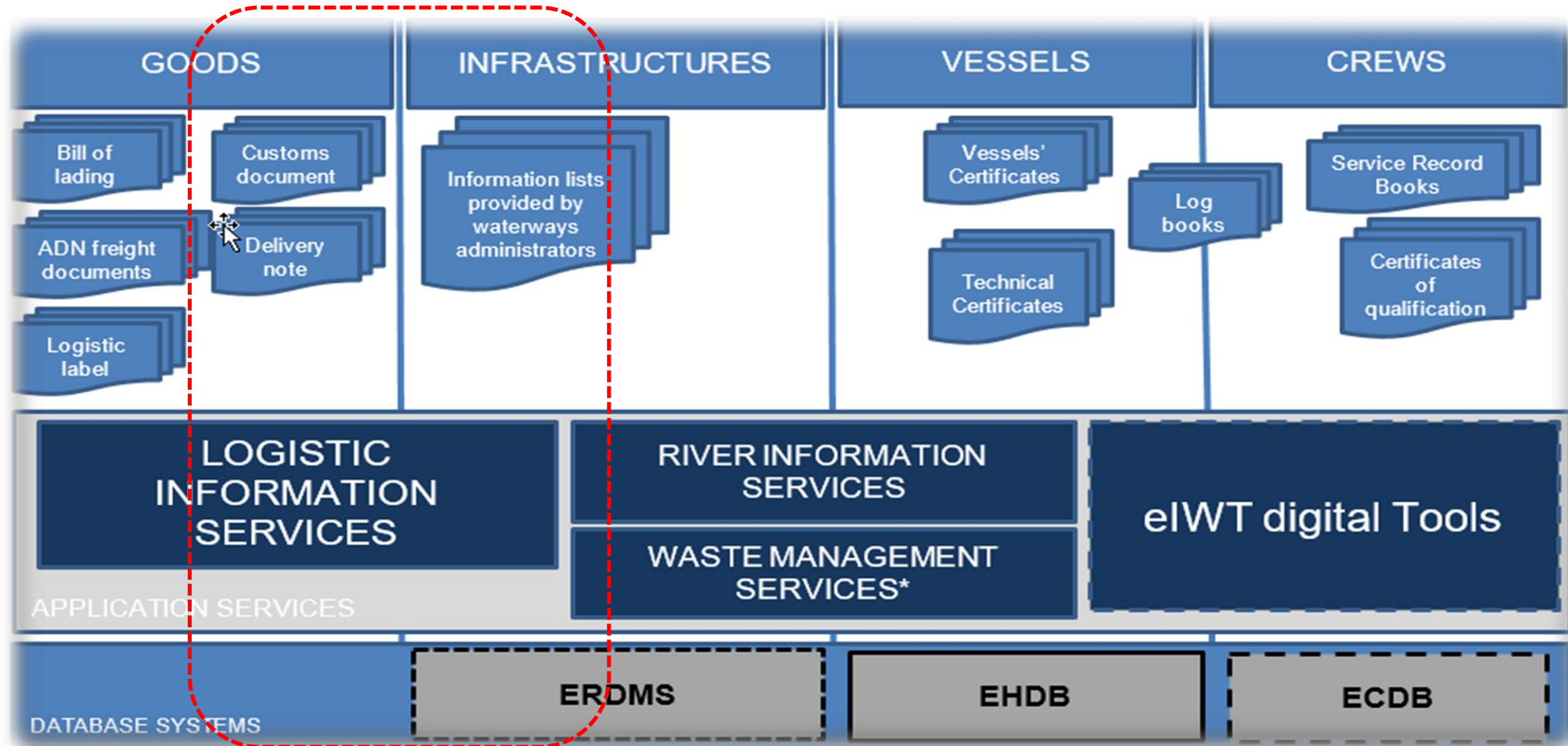
Name	Geburtsdatum	Geburtsort	Geburtsland	Geburtsort	Geburtsdatum	Geburtsort	Geburtsland
12345	12345	12345	12345	12345	12345	12345	12345

Mitteilung über Pendelverkehr

Ladung: 12345
Fahrzeug: 12345
Fahrer: 12345
Zielort: 12345

Name	Geburtsdatum	Geburtsort	Geburtsland	Geburtsort	Geburtsdatum	Geburtsort	Geburtsland
12345	12345	12345	12345	12345	12345	12345	12345

Role of Inland Ports in the Digitalisation of Inland Waterways

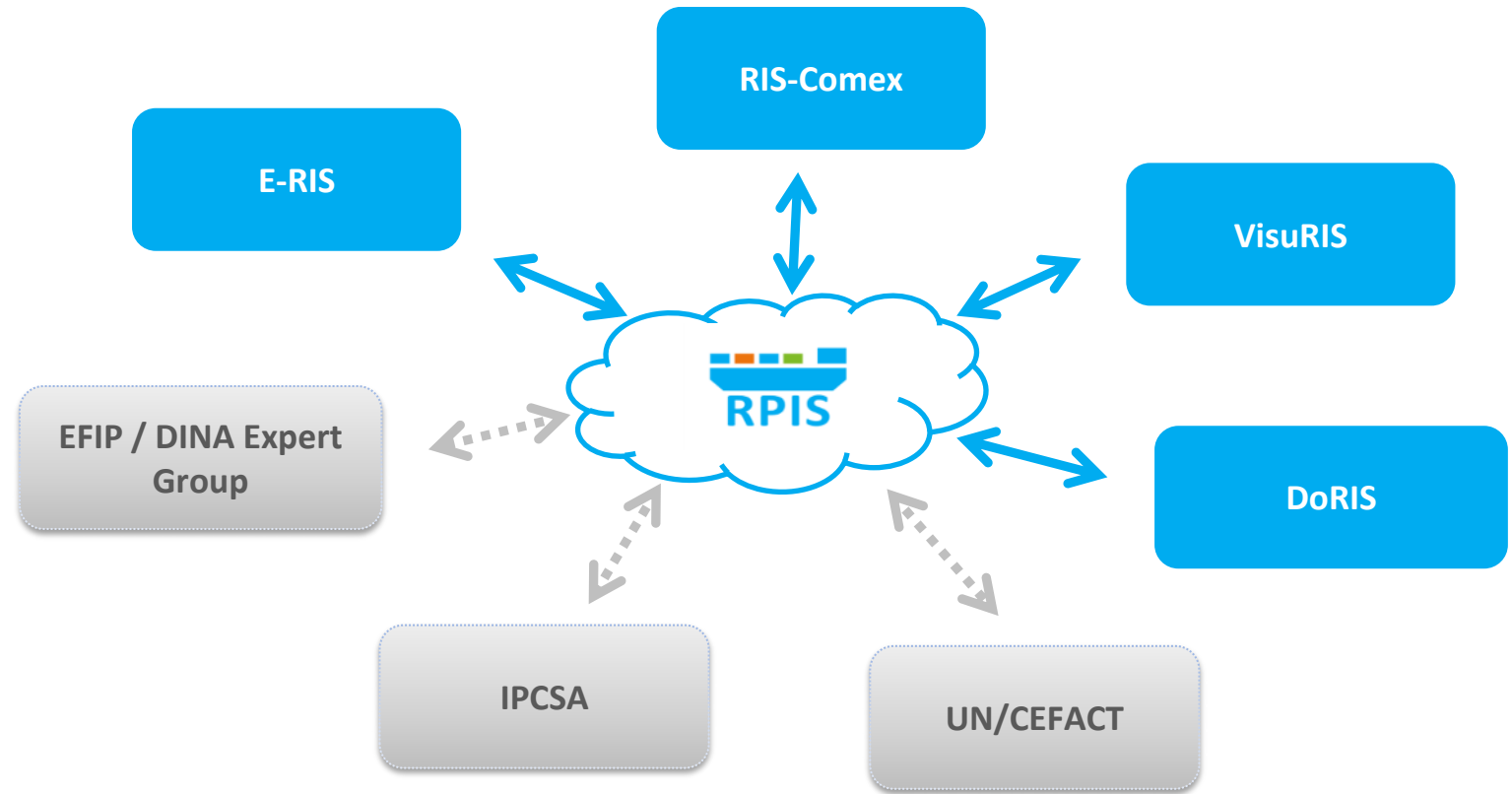


Source: CCNR (Feb 2019)

RPIS 4.0 – Harmonisation in Digital Transformation

■ Stakeholders:

- Customer
- Barge Operator
- Terminal Operator
- Port Authority
- Customs

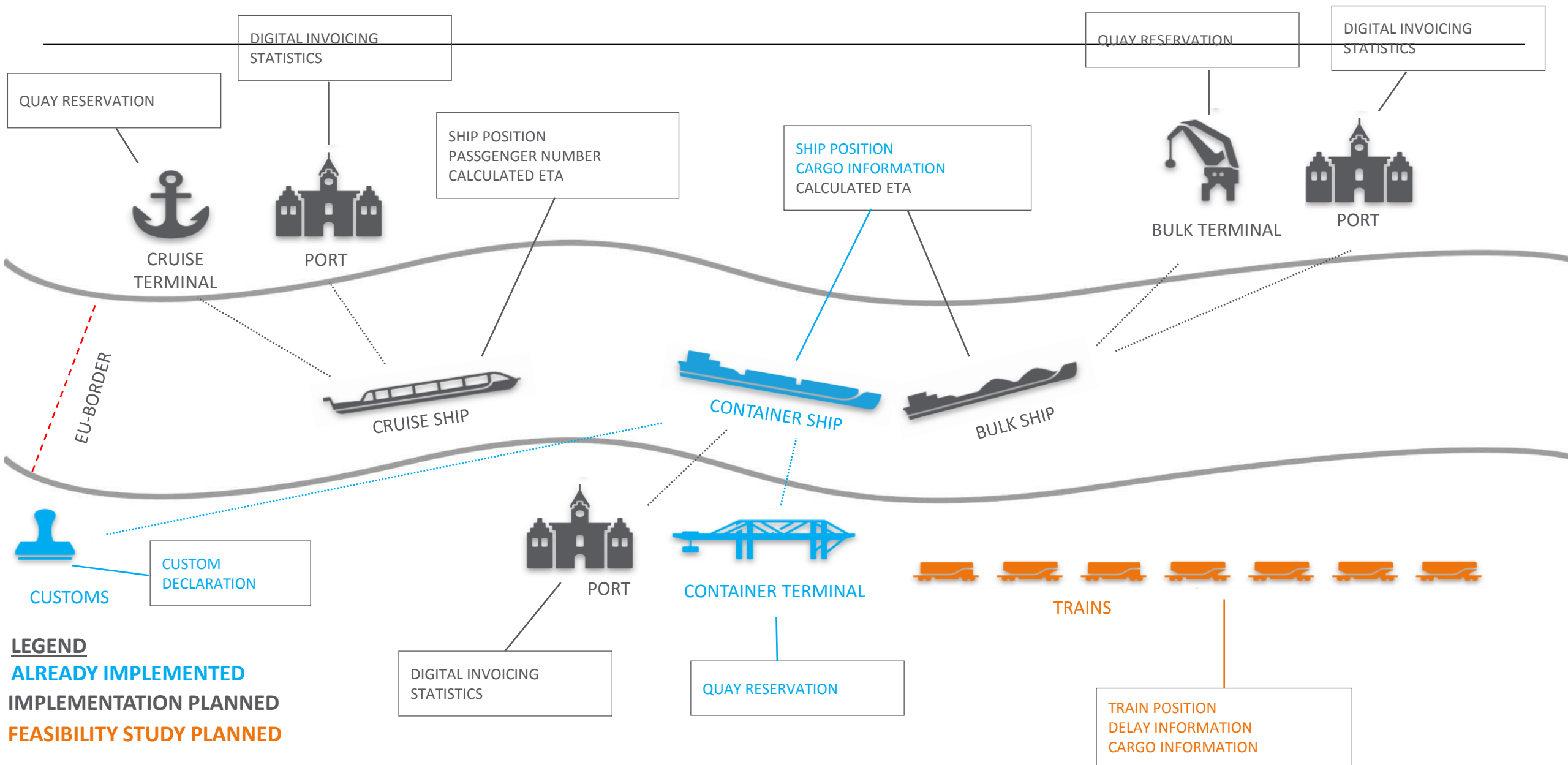


Legende

Projects

Organizations / Expert Groups

RPIS 4.0 – Smart Inland Port Community System

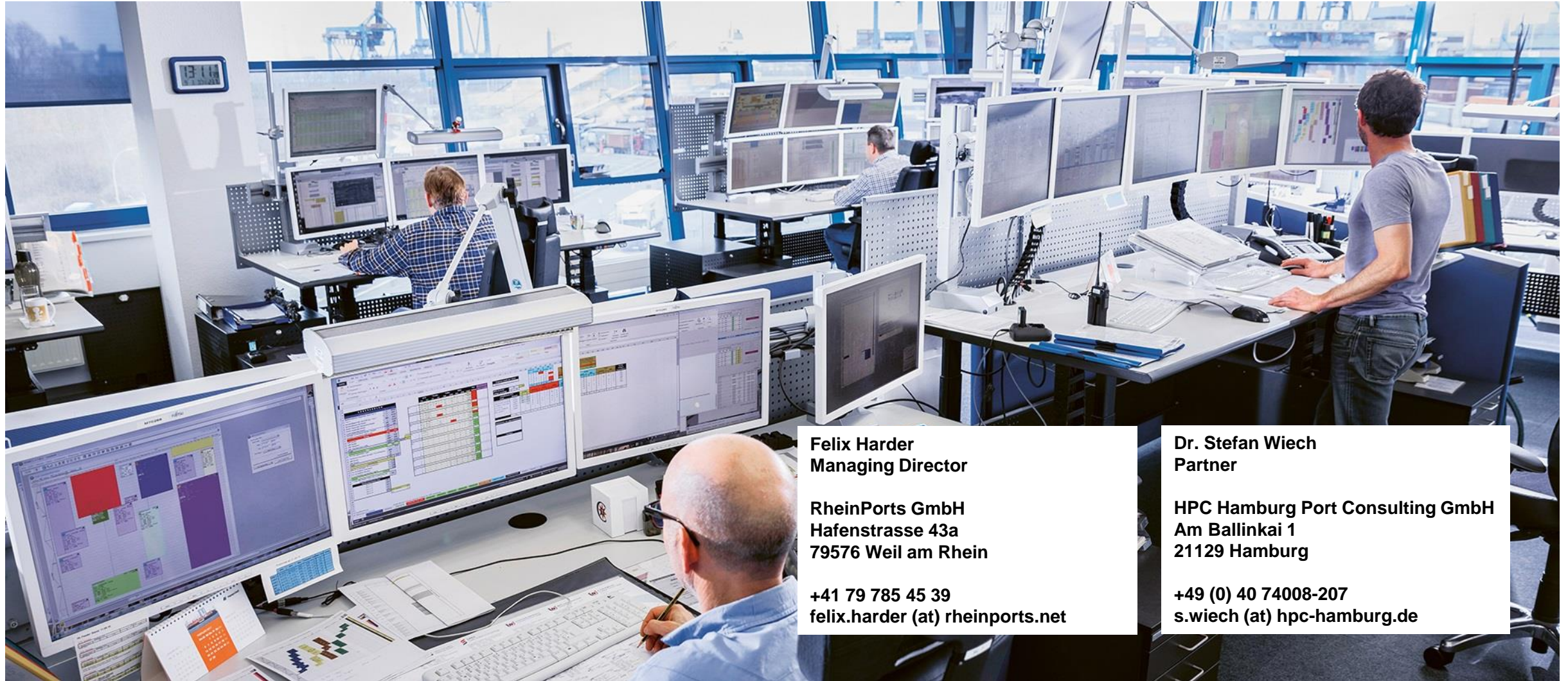


Key Takeaways



- 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



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