

# Examples of Chinese and European experiences in the application of advanced IT solutions in eLOGISTICS

Part 1: Information Management System for  
Port Community  
-Experience of European Ports-

Algimantas Žygas  
Klaipėda State Seaport Authority, Lithuania

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**Shenzhen, P.R. China, 29-31/03/06**
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## Presentation map

- ✓ Understanding of Port Community Systems (PCS) and their role in Logistics chain
- ✓ Trends of development of PCS's

## Logistical Port's Mission

- ✓ The competitiveness of any seaport depends on it's capacity to fit into a big number of logistics chains.
- ✓ Seeking to fit into logistics chains obliges ports to manage and process Information
- ✓ For Information management Port Community needs an Information System

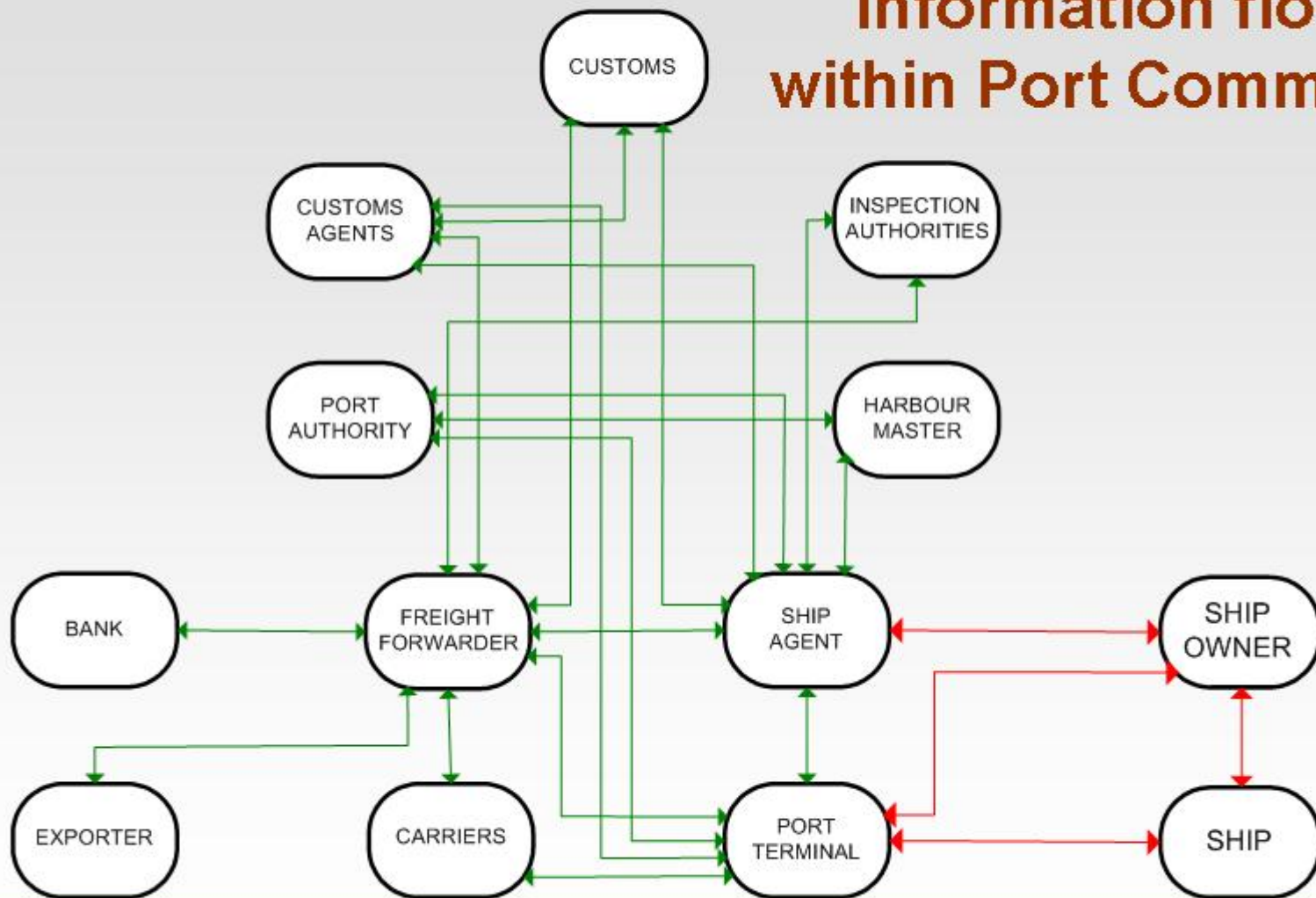
## Importance of PCS for the Sea Port

- ✓ Improvement of Port Throughput and efficiency (competitiveness)
- ✓ Improvement of safety and reliability of Logistics Chain
- ✓ Support for Port Management

## Two basic objectives of PCS

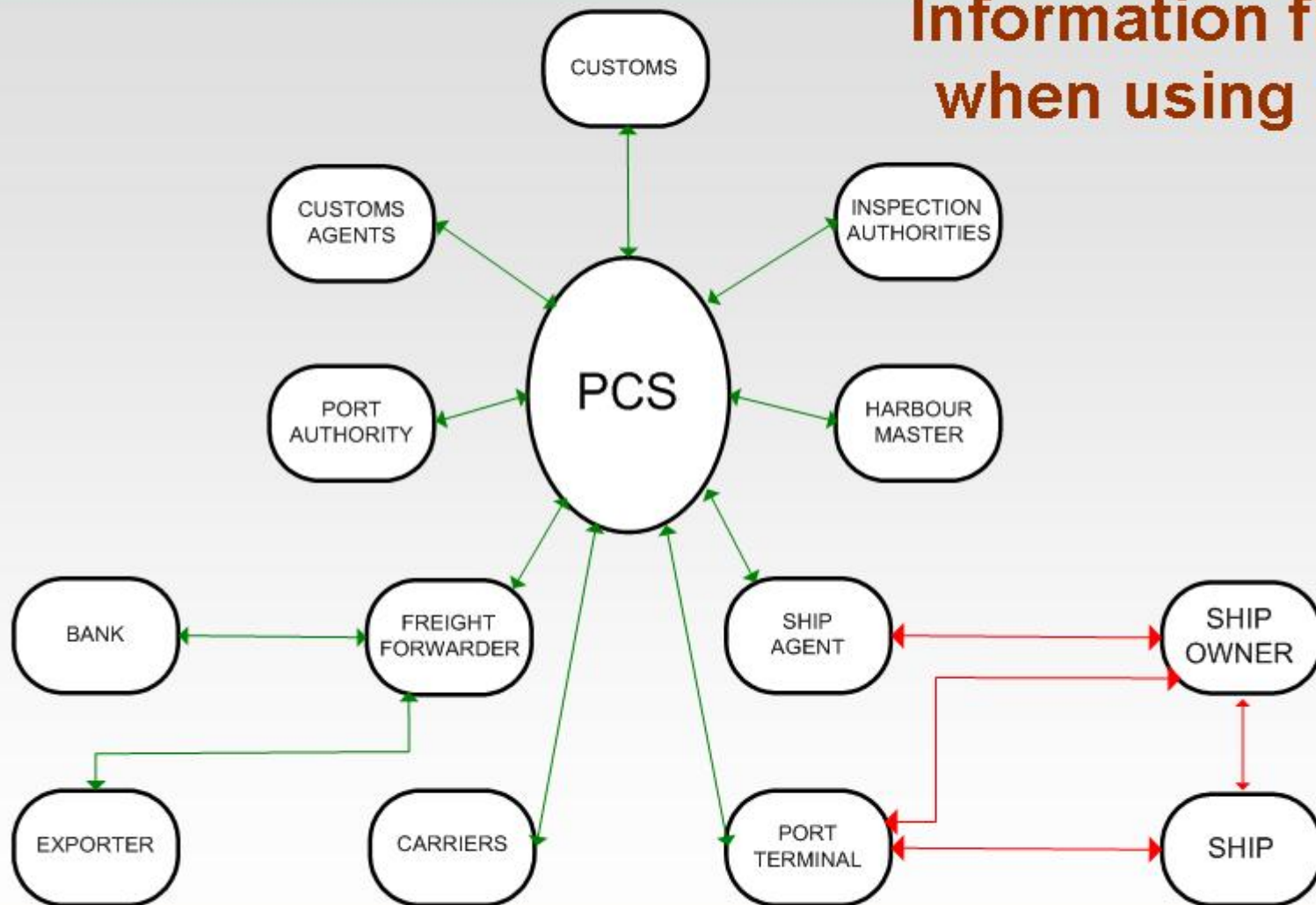
- ✓ Management of Vessel traffic within port waters
- ✓ Improvement of Cargo handling operations within the port area

## Information flows within Port Community



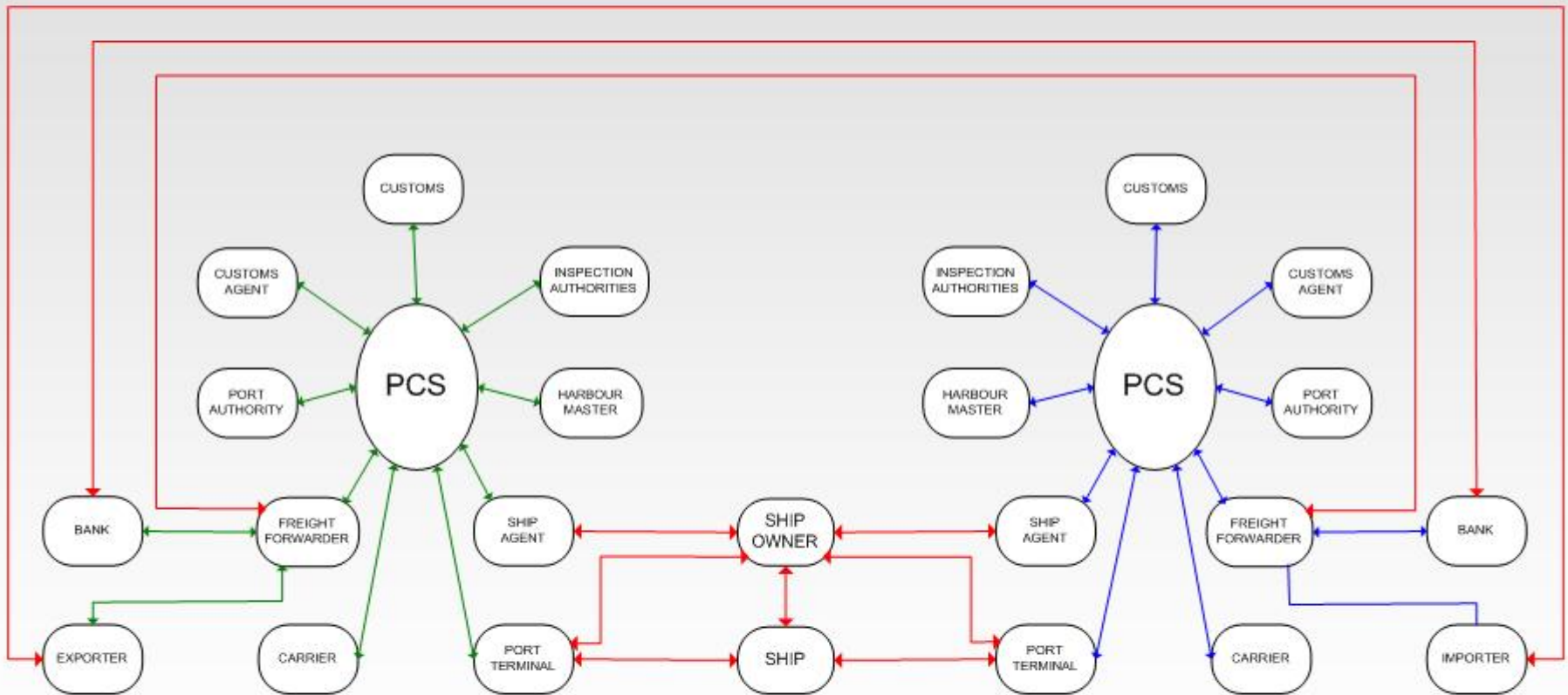
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## Information flows when using PCS



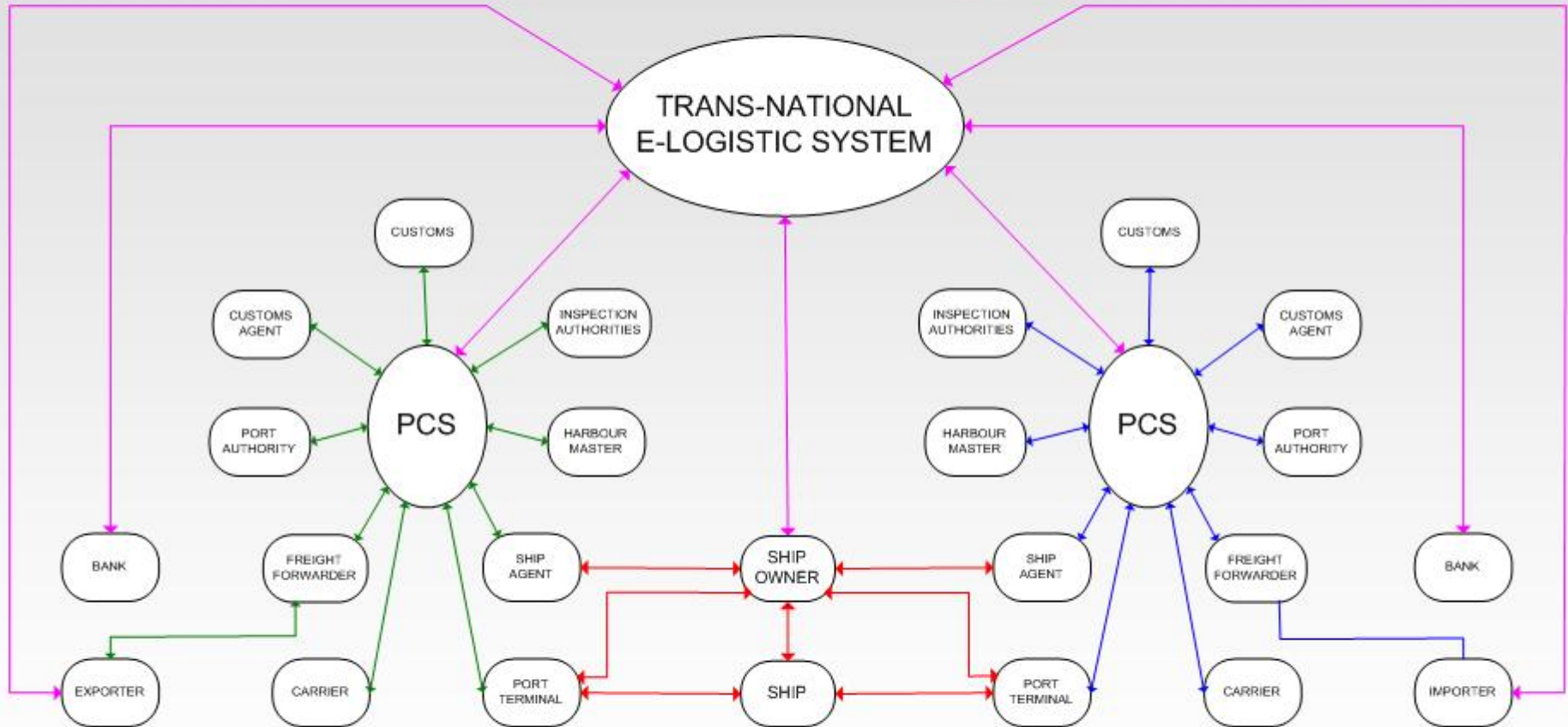
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## Information flows in a Chain



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## Logical next step?



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## Key expectation of the PCS' users

- ✓ Single point of data exchange in the Port
- ✓ Harmonization/unification of port procedures
- ✓ Security of business-sensitive data
- ✓ Minimal requirements for user
- ✓ Intuitive user interface
- ✓ Reduction of activity costs

## Technological trends

- ✓ Open system based on multi-level architecture
- ✓ Internet based SW application
- ✓ Wide use of XML and Web-Services for S2S integration
- ✓ “Workflow” engine for system flexibility
- ✓ Use of GSM/GPRS for system interactivity
- ✓ Digital Certificates and e-documents

# Thank You!

Algimantas Žygas  
Head of IT Department  
Klaipeda State Seaport Authority  
a.zygas@port.lt

[www.portofklaipeda.lt](http://www.portofklaipeda.lt)

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