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## PERSPECTIVES ON PORT PERFORMANCE

Logistics perspective

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# PERSPECTIVES ON PORT PERFORMANCE

## CURRENT PERFORMANCE MEASUREMENT

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Widely used indicators:

# vessels

Volume (overall maritime cargo)

Market share (e.g. Hamburg-Le Havre range)

Employment (direct and indirect)

Added Value (as a % of the (regional) GDP)

Investments



focus on PORT in a strict sense:  
**CARGO HANDLING**

Often only used for:

Promotional/commercial initiatives

Social support



**LIMITED USAGE**

CURRENT FOCUS ON **CARGO HANDLING + LIMITED USAGE**



## Port as an element in the **SUPPLY CHAIN**

### BROADER FOCUS

More than “only cargo handling”  
NEED FOR MORE AND BROADER INSIGHTS  
**= the logistics / supply chain perspective**

Classic port performance indicators have shortcomings



**NEED FOR A NEW VISION ON  
PORT PERFORMANCE MEASURING  
WITHIN A SUPPLY CHAIN FOCUS**

### BROADER USAGE

Compare  
Observe trends

Basis for future port **development**

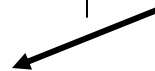
**Improving** port operations

**Leverage** used in negotiations with e.g. authorities

**Commercial/Promotional usage**

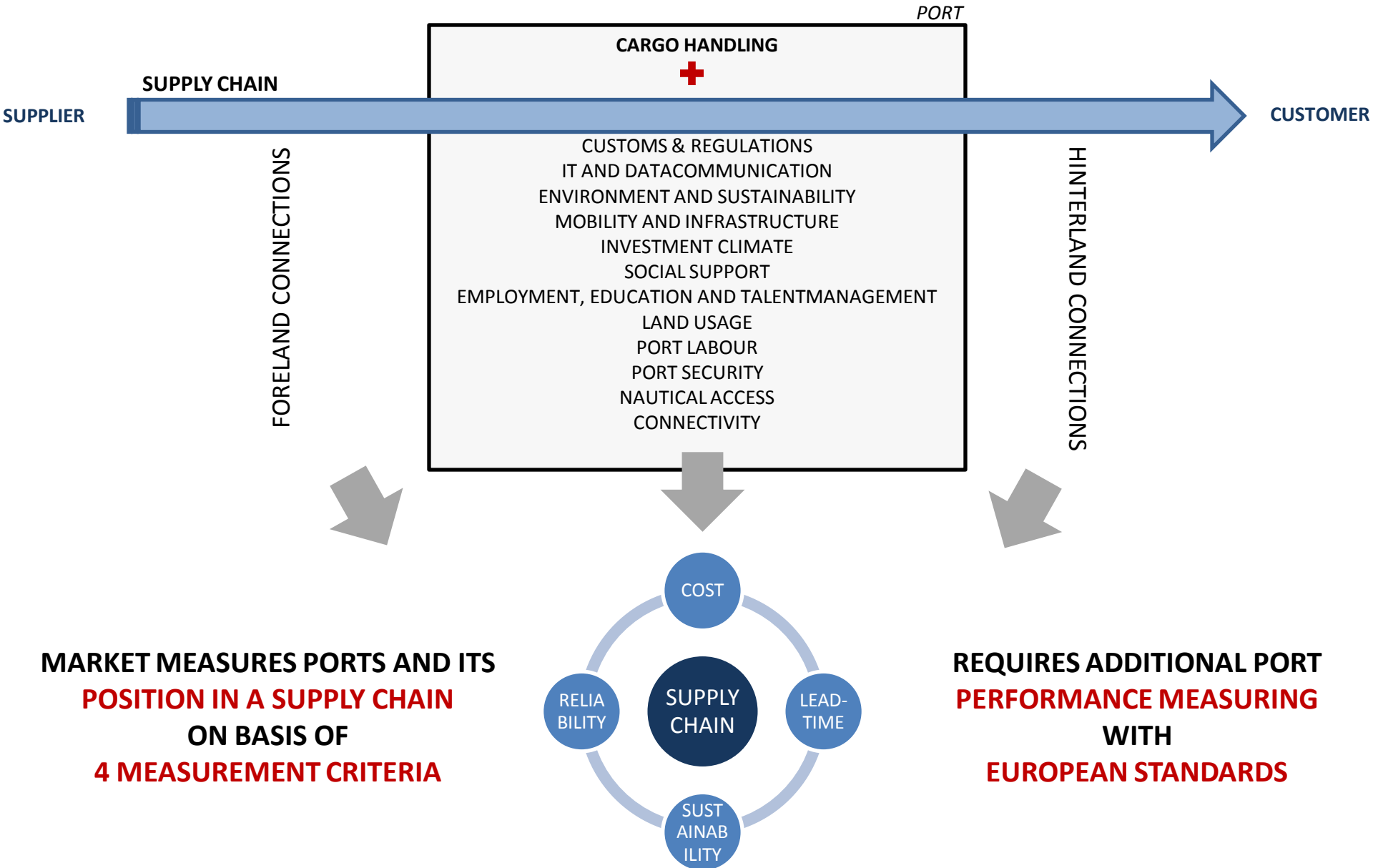
by port authorities

by individual companies



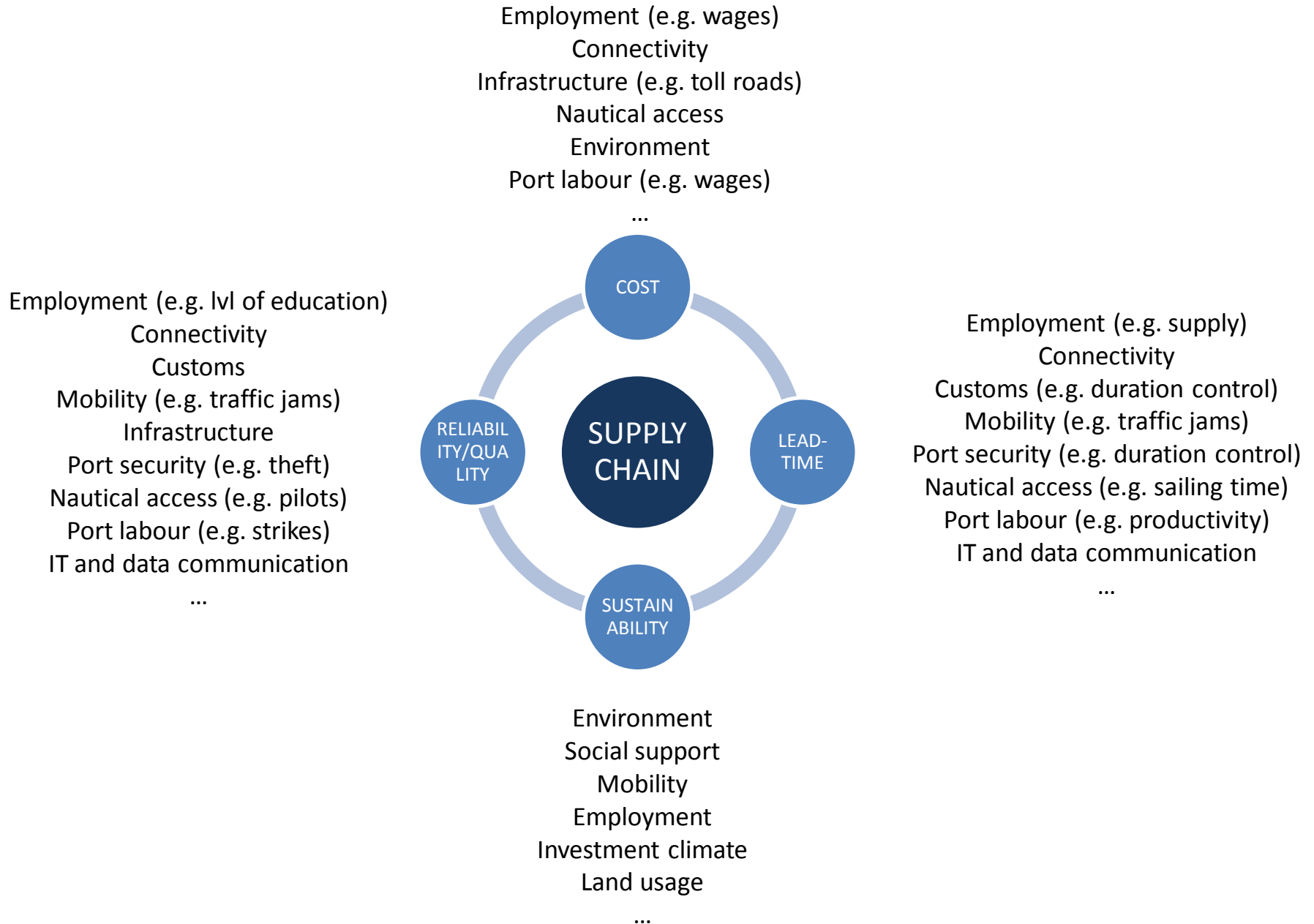
# PERSPECTIVES ON PORT PERFORMANCE

## SUPPLY CHAIN PERSPECTIVE



# PERSPECTIVES ON PORT PERFORMANCE

## 4 MEASUREMENT CRITERIA



# PERSPECTIVES ON PORT PERFORMANCE

## CUSTOMS

### **Customs as facilitator of cargo flows**

Compliance EU regulations

Green lanes

Certified vs non-certified cargo flows

Fast response time

Document flow

Degree of electronic communication

Implementation by private companies

**= Measuring performance of government + private sector**

### **PORT COMMUNITY SYSTEMS**

**= platform facilitating data interchange between port authorities, private port operators and government administration**

Existence

Coverage / functionalities

Ease of access / technology level

Cost

Quality of datacommunication

Efficiency increase

Standardisation

Visibility of cargo

Users (shipping lines, terminals, forwarder, cargo owners,...)

# PERSPECTIVES ON PORT PERFORMANCE

## MOBILITY AND CONNECTIVITY

### **Mobility within and around port area**

Fluent transportation flows

network capacity

congestion

transit times

emissions

cost

reliability

document flow vs cargo flow

Modal split and intermodality

### **Maritime connectivity**

**+ Hinterland connectivity**

Number of connections

Frequency

Cost/Ton

Average lead-time

Reliability of connections / on-time performance

Sustainability?