Maritime statistics produced from the PortNet

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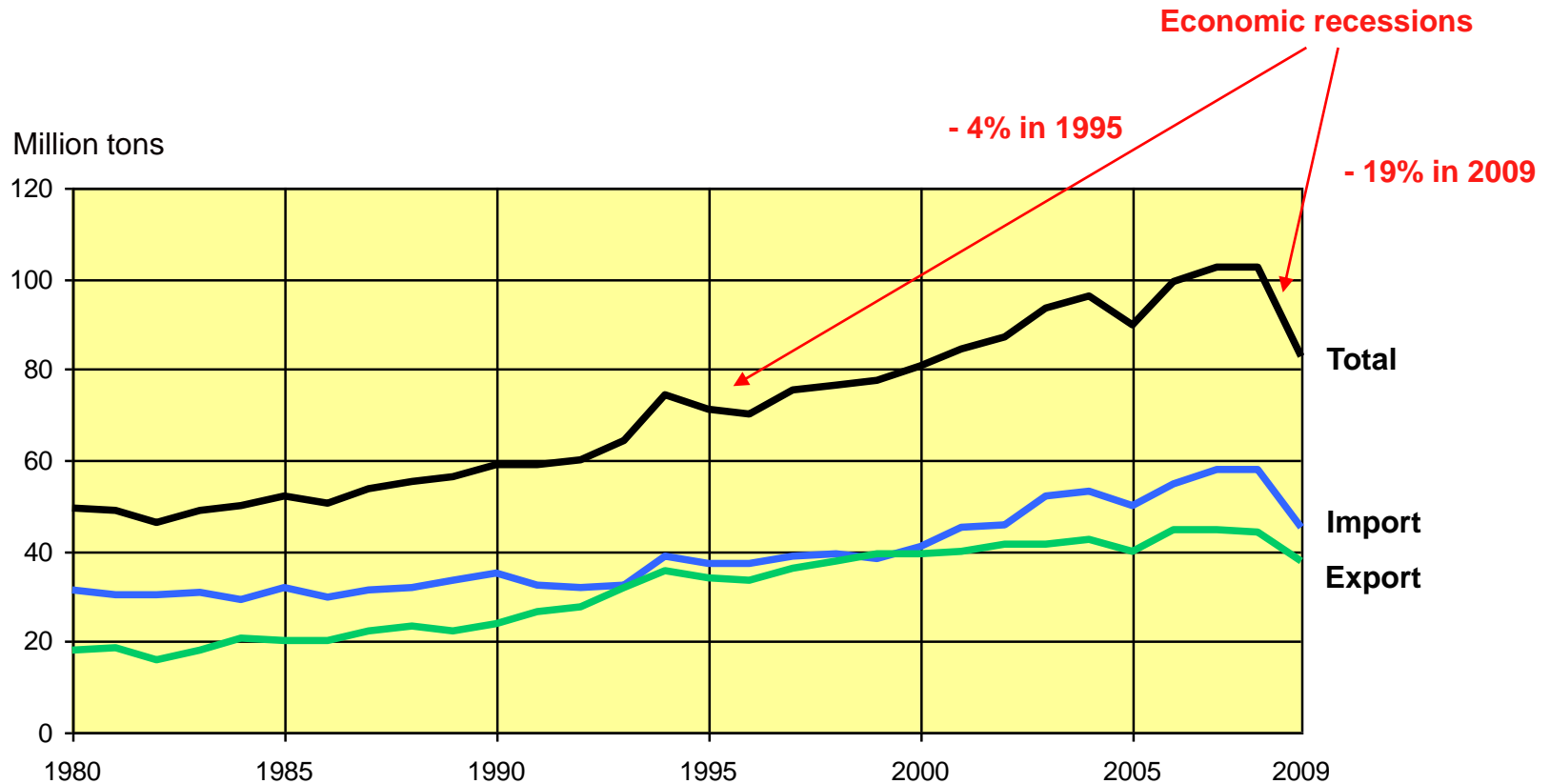Presented to IMSF Annual Meeting

Lisbon, May 2010

Outline

- **Background information on the Finnish Maritime**

- **Introducing the PortNet – Maritime Information System**

- **Maritime statistics produced from the PortNet**

- **Future challenges**

- **Conclusions**

Background information on the Finnish Maritime

- **Seaborne transports in Finland**

- **Finnish ports**

- **Finnish economy**

- **Organizational reform in 2010 concerning all modes of transport**

Liik enne vira sto

International transports by sea 1980 – 2009

Economic recessions

- 4% in 1995

- 19% in 2009

Million tons

Finnish Transport Agency

Background information on the Finnish Maritime

Information on Finnish ports

- **Over 50 operating ports**

- **23 winter ports that are kept open with the assistance of the icebreakers**

- **Ports are mainly owned by the local public institutions**

- **Port operators are private companies providing e.g. stevedoring operations**

- **40.000 port calls annually**

- **Most of the traffic is international 95 %**

- **Domestic traffic consists of Inland Water Way and Coastal traffic 5 %**

Information on Finnish economy

- **The Finnish economy is a small, open economy**

- **Exports count nearly 45 % of GDP**

- **Economy is heavily dependent on seaborne transports**

- **90 % of Exports are carried by sea**

- **75 % of Imports are carried by sea**

- **Changes in the economy are reflected fast into the Finnish Maritime**

Organizational reform concerning all modes of transport

- **2 new organizations were established in 2010**

  - Finnish Transport Agency (Maritime, Road, Railway)

  - Finnish Transport Safety Agency (Maritime, Road, Railway, Aviation)

- **The reason for the reform was to implement the EU regulations that required to separate the operative and safety functions**

- **The objective of common agency is to coordinate all modes of transport and to allocate resources more efficiently**

Introducing the PortNet – Maritime Information system

The idea was to create a comprehensive national Single Window Application for all authority notices required at ship departures and arrivals to/from all Finnish ports

- **Background information**

- **Organisations involved with the PortNet**

- **Access to the PortNet**

- **Special features of the PortNet**

Introducing the PortNet

Background information

- The national legislation allowed authorities to exchange information under certain conditions and to create a common system

- First version of PortNet was build in 1994 for reporting dangerous goods

- In 2000 the web based system was created

- Today the number of registered user has increased to 1.500 and daily users around 1.000

Organisations involved

- Finnish Transport Agency administers the use of PortNet

- The PortNet was created in a community that consisted of Maritime Administration, Customs and 20 biggest ports

- PortNet is used by Authorities and different maritime companies involved in seaborne transports

Introducing the PortNet

Access to Portnet

- **Access to the Portnet is restricted**

- **PortNet users have different profiles depending on their status**

- **Timetable information is public but cargo information is restricted to authorities, the concerned ship agents and the port in question**

Special features of the PortNet

- **Data can be input using the**

    - **Web interface**

    - **XML file transfer**

- **The large companies are transforming the data electronically where as the smaller operators use the web interface**

Liik enne vira sto

Maritime statistics produced from the PortNet

- **Official Maritime Statistics**

- **Annual Statistics**

- **Monthly Statistics**

- **Eurostat datasets**

Maritime statistics produced from the PortNet

Overview on maritime statistics

- **Official Maritime Statistics are produced from the PortNet by the FTA**

- **About 200 ship agents input all the information to the PortNet concerning Finnish port calls, including cargo and passenger data**

- **Maritime statistics are compiled in many different ways according to the user needs**

    - **Standard Statistics**

    - **Custom Statistics**

    - **Data Services**

- **The PortNet has improved the quality and efficiency of the statistical processes**

Maritime statistics produced from the PortNet

Annual and Monthly Statistics

- **Statistics are divided into 2 categories**

    - **International Transports 95 %**

    - **Domestic Transports (IWW + Coastal) 5 %**

- **Annual Statistics**

    - **International Transports**

    - **Domestic Transports**

    - **Canal Transports**

- **Monthly Statistics**

    - **International Transports**

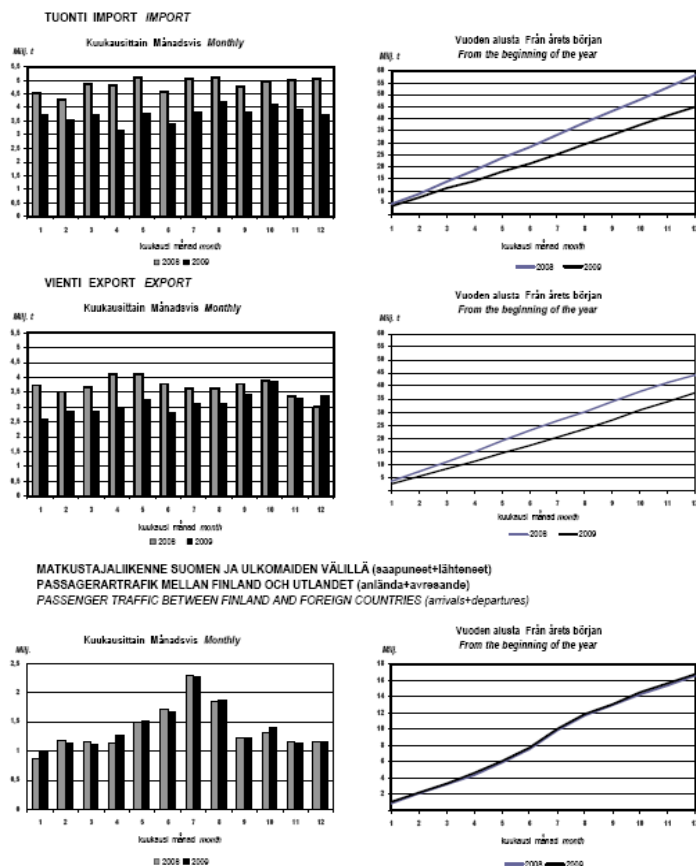   - **Canal Transports**

Eurostat datasets

- **Statistics are divided into 2 categories**

    - **Sea transports**

    - **IWW transports**

- **The required datasets are produced directly from the PortNet**

- **The changes in the EU directives are possible to implement by reprogramming the algorithm that produces the datasets from the PortNet**

Note: Finnish Transport Safety Agency produces maritime statistics on vessels and seamen from their own systems

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Maritime statistics produced from the PortNet

Monthly Statistics on International Shipping

- **16 commodity groups covering all Finnish ports**

- **The delay is only about 4 weeks**

- **Published in the internet according to a timetable**

- **Monthly Statistics (preliminary data) includes:**

    - Imports and Exports by type of goods

    - Imports and Exports by port

    - Vehicle and container transports by port

    - Transit traffic by port and by type of goods

    - Passenger traffic by port and by country

    - Vessel traffic by port

- **Monthly Statistics is the most demanded product because over 80 % of foreign trade is seaborne**

Future challenges

- **The creation of a maritime statistics databank**

- **The harmonization of the statistics with the Eurostat definitions**

- **The co-operation with the Customs**

- **The political decentralization process in the Public Sector**

- **The Single Voice of Maritime**

Conclusions

- **PortNet is a prime example of both a single window application as well as authority co-operation**

- **Portnet enables to produce a wide variety of maritime statistics rapidly**

- **PortNet has common features with the Eurostat eMaritime-project**

Thank you for your attention!

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