



***International Congress –  
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**LEGISLATIVE AND TECHNICAL FRAMEWORK  
FOR THE DEVELOPMENT OF SHORT SEA  
SHIPPING**

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# OUTLINE

- **INTRODUCTION**
- **DEFINITIONS AND STATISTICS**
- **E U POLICY**
- **SSS RESEARCH PROJECTS**
- **CONCLUSIONS**



# INTRODUCTION



- Short Sea Shipping (SSS) has attracted the attention of politicians and researchers for the last 15 years.
- It is considered as an alternative of freight movement to reduce the number of trucks
- During the years much has been done, but the problems of SSS are still discussed and the topic is still included in main open research programs.



# INTRODUCTION



- At the same time, as a member of the EU, the Bulgarian maritime transport and shipbuilding industry should give their contributions to development and promotion of SSS in the Black Sea region.
- The goal of this paper is to study the legislative and technical framework for future development and promotion of SSS





25 years old definition:

*“a maritime transport between ports of a nation as well as between a nation’s port and the ports of adjacent countries”.*

# Type of service



# First European Commission (EC) definition for mainland cabotage in 1992

*"the carriage of passengers or goods by sea between ports situated on the mainland or the main territory of one and the same Member State without call at islands"*

## Area of service





### EC definition from 1999:

*“Short Sea Shipping means the movement of cargo and passengers by sea between ports situated in geographical Europe or between those ports and ports situated in non-European countries having a coastline on the enclosed seas bordering Europe”.*

## Type and Area of service





The US Maritime Administration defined in 2005 SSS as:

*“a commercial waterborne transportation that does not transit an ocean. It is an alternative form of commercial transportation that utilizes inland and coastal waterways to move commercial freight from major domestic ports to its destination”*

**Main goal included**





## DEFINITIONS AND STATISTICS

Finally, let's see the dictionaries.

Cambridge and Oxford Advanced Learner's Dictionaries read for "shipping".

- ✓ *"ships in general or considered as a group"*
- ✓ *"when goods are sent from one place to another, especially by ship" and*
- ✓ *"activity of carrying people or goods from one place to another by ship".*

**An activity and means for transport**





## DEFINITIONS AND STATISTICS

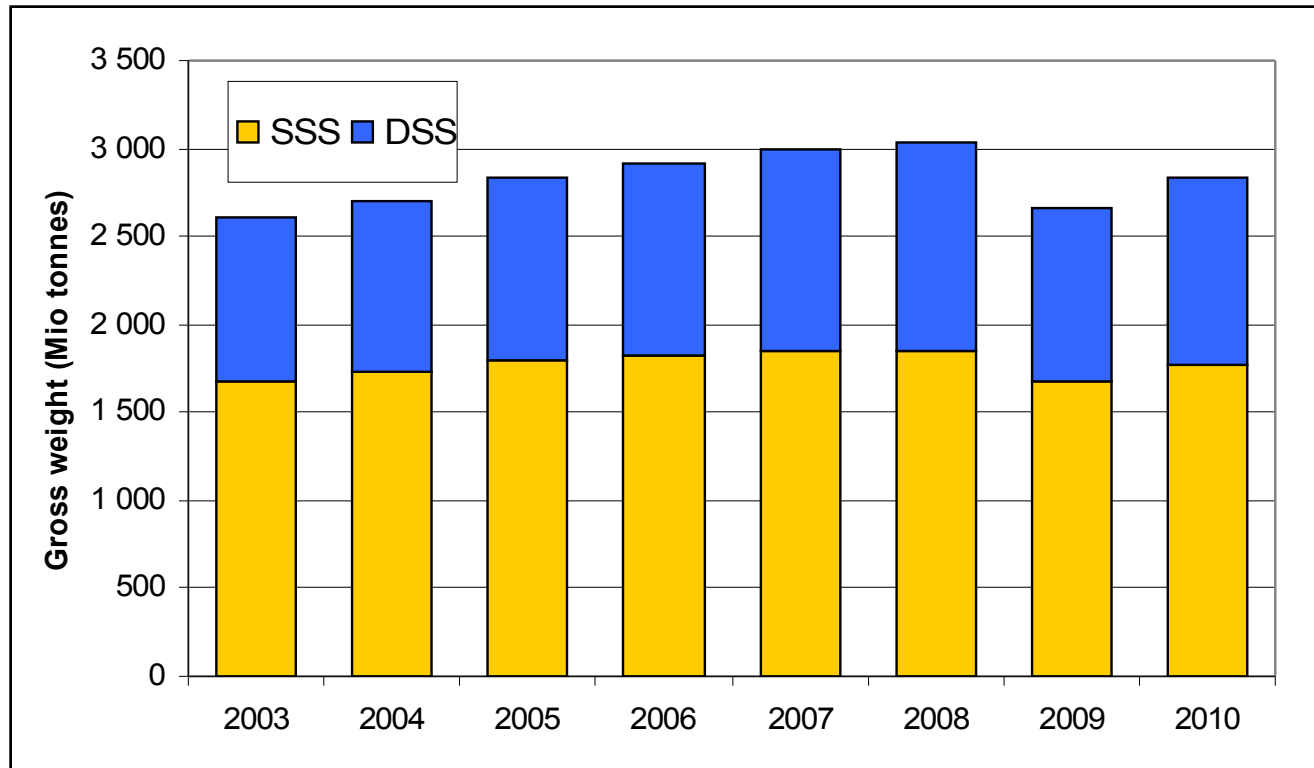
Having the latter in mind we could think of a new ship type, i.e.

**Short Sea Shipping Ship (4S).**

This ship will be specially designed to correspond to particular needs in SSS as activity.

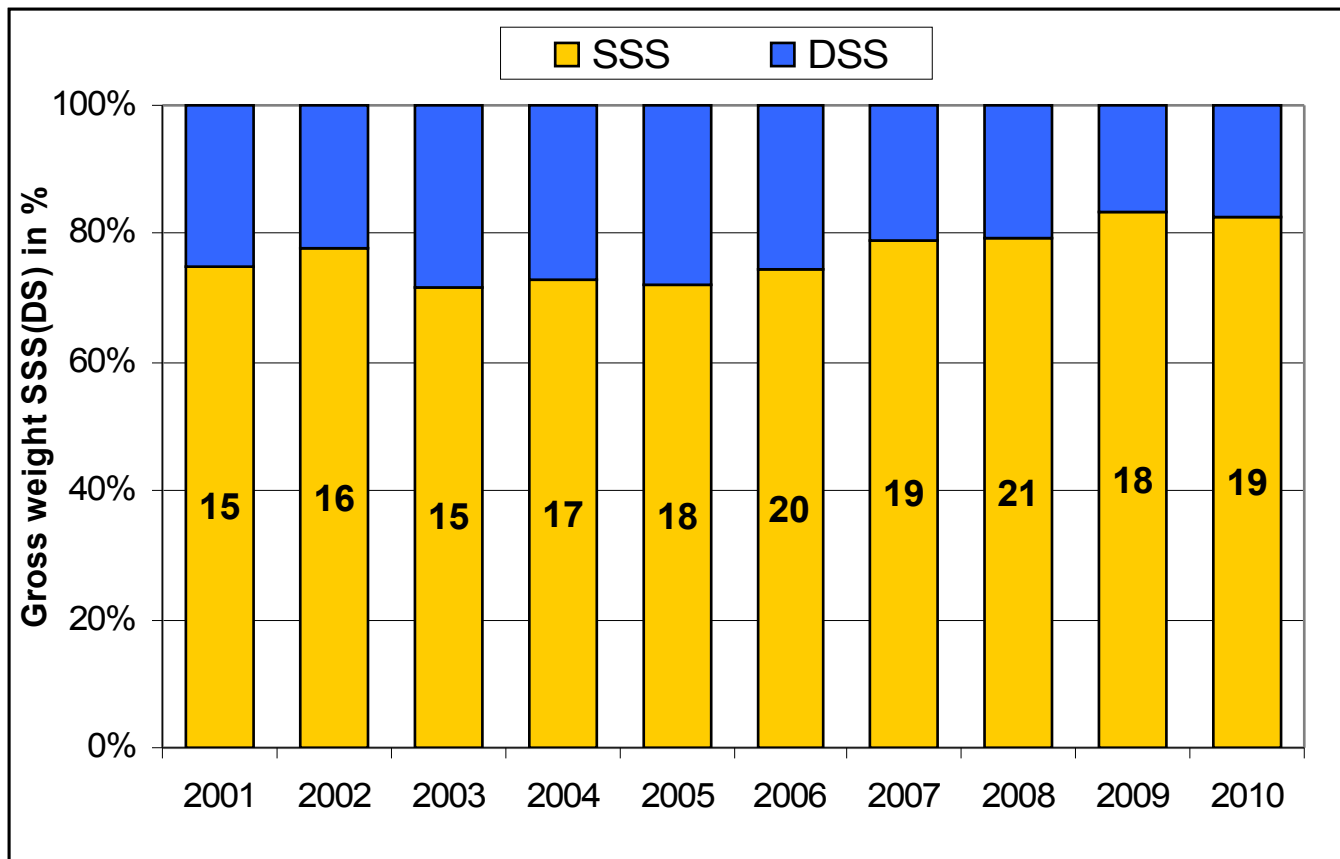


# DEFINITIONS AND STATISTICS



Share of SSS of goods in total sea transport for E-27

# DEFINITIONS AND STATISTICS

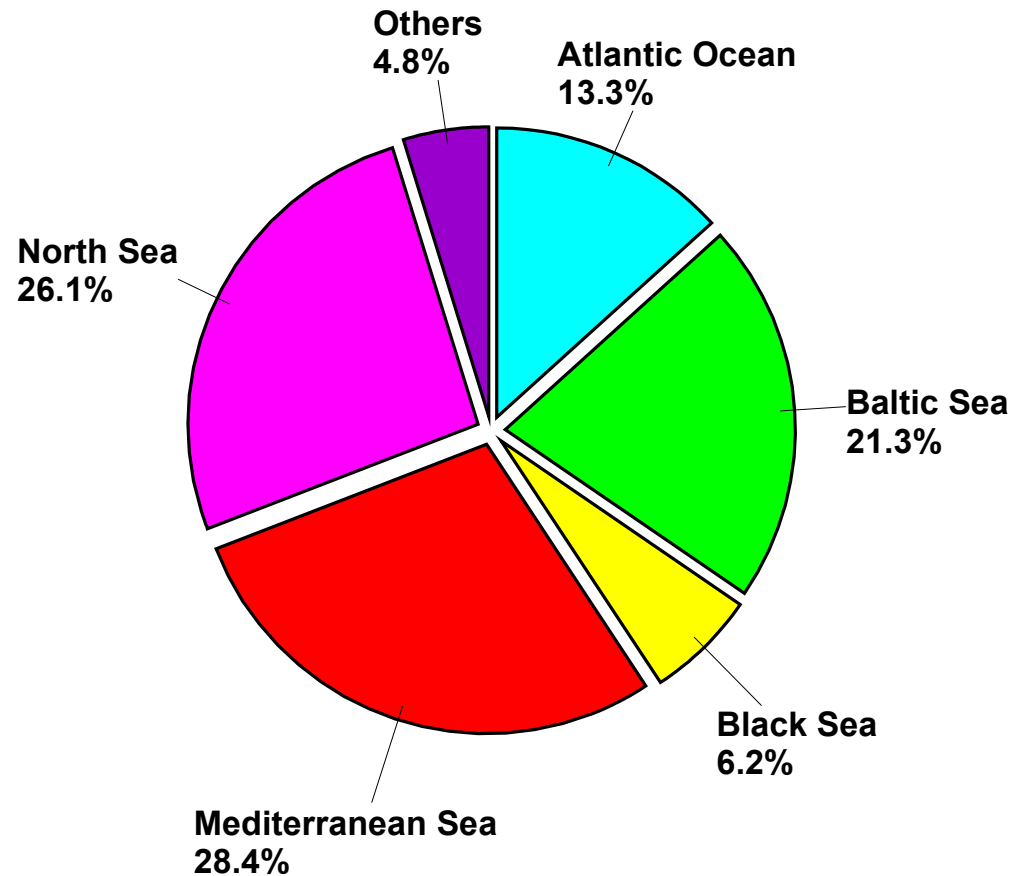


Share of SSS of goods in total sea transport for Bulgaria

The numbers are goods in Mln t

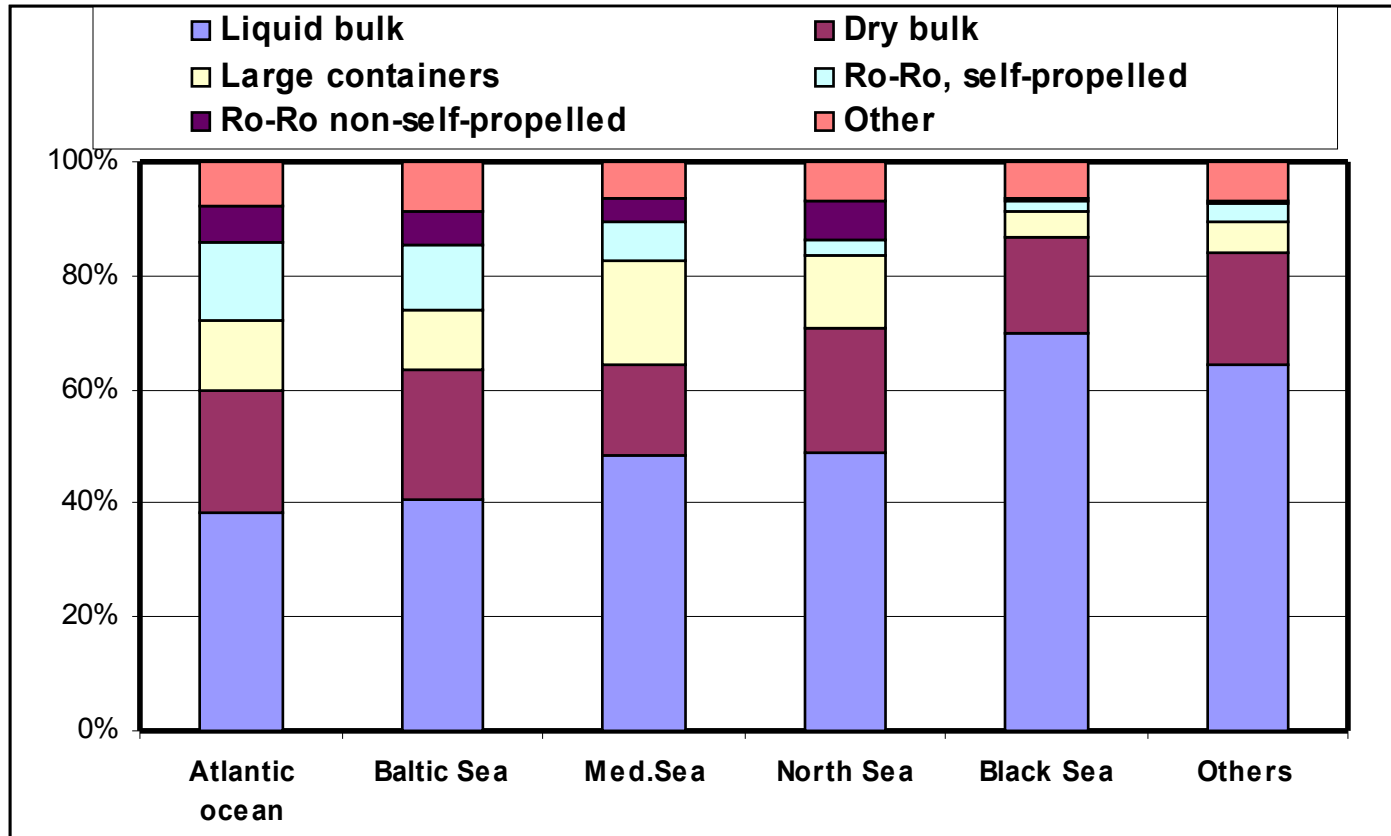


# DEFINITIONS AND STATISTICS



EU-27 SSS of goods by sea region of partner ports in 2010

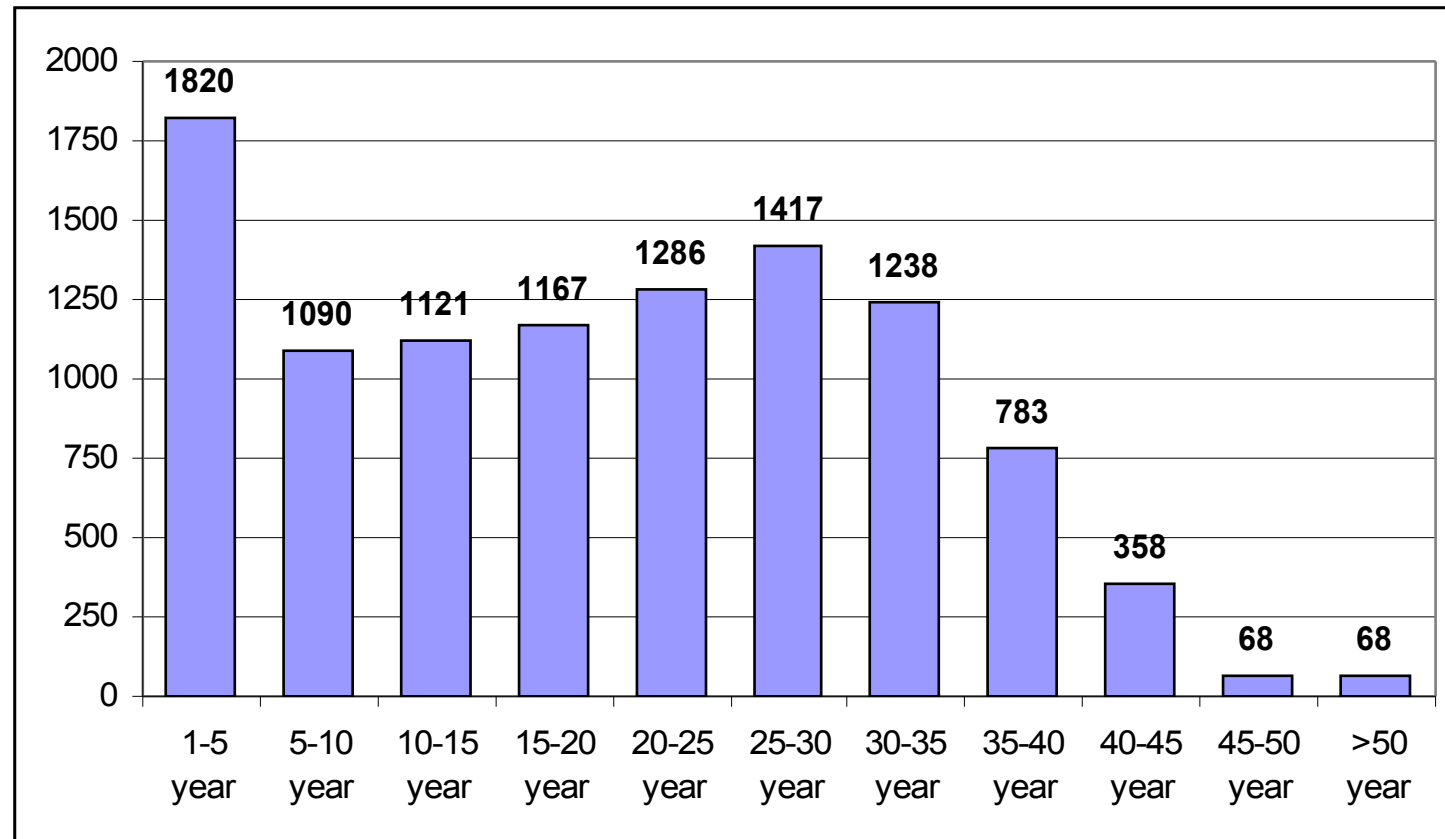
# DEFINITIONS AND STATISTICS



SSS of goods by type of cargo for each sea region in 2010



# DEFINITIONS AND STATISTICS



## Overview of age of Short sea fleet (2009)



## ***1. Legislative Actions***

- ***The Marco Polo Programme***
- ***Motorways of the Sea***
- ***Improving environmental performance of Short Sea Shipping***

## ***2. Technical Actions***

- ***Research and technological development***

## ***3. Operational Actions***

- ***Short sea Promotion Centres***
- ***Promoting the image of SSS as a successful transport alternative***



## SSS RESEARCH PROJECTS

- **WELCOM** – West - East logistics corridor for multimodal transport (01/1996-10/1996).
- **ARCDEV** -Arctic Demonstration and Exploratory Voyage (12/1997-09/1999).
- **3SNET**- Short sea shipping network (01/1998-09/1999).
- **PROSIT** -Promotion of Short Sea Shipping and Inland Waterway Transport by the Use of Modern Telematics (01/1998 - 03/2000).
- **SSS-CA** - Short Sea Shipping Concerted Action (04/1996 - 03/2000).



## SSS RESEARCH PROJECTS

- **CREATE3S** - Creative Concepts REalised by Advanced design & production to improve Total Efficiency of new generation Short Sea Shipping (11/2006-11/2009).
- **PROPS** -Promotional platform for short sea shipping and intermodality (07/2008 - 06/2011).
- **SPIN-TN** -Thematic network on the development of European strategies to promote short sea shipping, sea-river and inland navigation (05/2005-11/2015).
- **REALISE-** Regional Action for Logistical Integration of Shipping across Europe (07/2005-10/2014).





## CONCLUSIONS

- It is confirmed that there is no official and broadly accepted definition for SSS. Taking into account the meaning of the word shipping we can think about specially designed ship type i.e. Short Sea Shipping Ship or 4S.
- The updated statistics from 2012 show stable trends and despite the 2008 financial crisis the SSS represented about 60% of total EU-27 maritime transport of goods. For Bulgaria this percent is about 80 %,
- The share of Black Sea in SSS of goods is about 6% and there is a potential for progress.





## CONCLUSIONS

- By 2009 38 % of the ships were older than 25 years. At the same time EC considers the development of SSS as a strategic goal of EU maritime transport policy until 2018.
- The carried out research sketches the framework for future R&D in this field.
- For naval architects there are several research questions:





## CONCLUSIONS

- ❖ What is the proper type and size of SSS ship and especially for the Black Sea region?
- ❖ Is it profitable to build such ships in Bulgarian shipyards?
- ❖ How will all new design concepts and requirements – open top containers; zero-emission ships; ballast water management; LNG as fuel reflect on the performance of SSS ships?
- ❖ How to improve the image of SSS and to contribute to the European policy for its promotion?





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**Thank you for your attention!**

