

# EU Strategy for the Danube Region

Priority Area 1a – To improve mobility and multimodality: Inland waterways



## Working Group 3 Danube Fleet

Bucharest, 27 October 2011

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- The Danube fleet
- Objectives of the Danube Region Strategy
- Selected relevant projects
- Study related to fleet modernisation

## Danube Fleet

- Dominating:
  - Pushed convoys
  - Lighters
  - Bulk cargo
- Average age
  - >30 years
- Existing fleet will remain in operation for years
- Expected improvements in infrastructure and economic growth in Danube Region => new motor cargo vessels and tankers



Source: EDDSG

# Action Plan EUDRS

*“... modernise the Danube fleet in order to improve environmental and economic performance”.*

- Means of innovation dedicated to:
  - Fleet modernisation
  - Waste management measures
  
- Technological developments:
  - Innovative vessels
  - Engines
  - Optimisations related to fuel consumption and emissions
  - Logistic operations

## Projects funded by the EC

- 5<sup>th</sup> Framework Programme
  - INTERMODESHIP
  - INBAT
  - PACSCAT
  
- 6<sup>th</sup> Framework Programme
  - CREATING
  - SMOOTH
  
- 7<sup>th</sup> Framework Programme
  - EU CargoXpress
  - BB-Green
  - Streamline
  - ARIADNA

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- Cost-effective modernisation of the inland fleet for freight transport
- EU project funded within the 7<sup>th</sup> Framework Programme
- 23 partners from 9 countries (5 from Danube region!)
- Duration: 1.11.2011 – 30.10.2014
- Focus: modernisation of existing vessels
- Development areas
  - Hydrodynamics
  - Energy efficient operation
  - Engine technology
  - New ship structures and materials
  - New scales and services

# Why are the results not implemented?

- Many concepts not economical e.g. due to high implementation costs
  - Niche solutions
  - Projects not dedicated solely to Danube navigation (exception WANDA)
  - Often consideration of seagoing vessels or vessels for other inland waterways e.g. Rhine
- ⇒ Limitation of funding and research effort
- ⇒ Limited consideration of particular framework conditions of Danube navigation

**Research and development projects solely dedicated to Danube navigation combining innovation and economy are necessary!**

# First Action – Ship Technology Study

- Objective:
  - Support further development of ship technology
  - Aiming at a reduction of environmental impact of Danube navigation
  
- Coordination and project management:
  - via donau
  
- Duration:
  - 24 months
  
- Start date:
  - 1.1.2012



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# SAFE GREEN ECONOMICAL DANUBE NAVIGATION

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