

## Danube Transnational Programme

# Know-how transfer event on modernisation of Danube fleet

Manfred SEITZ

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*Project co-funded by European Union Funds (ERDF, IPA)*

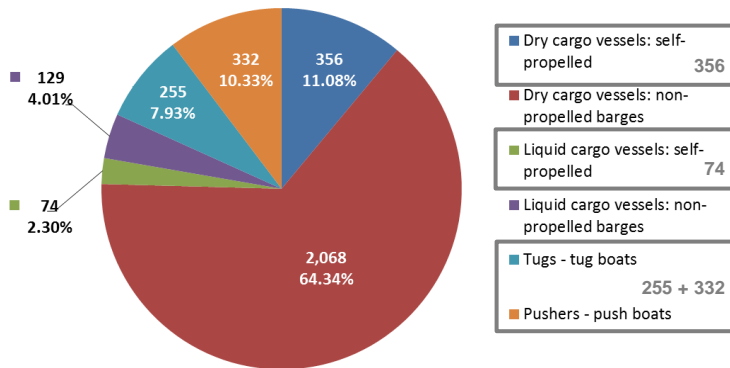
07 March 2019 – Vienna – Austria



# Danube cargo fleet: structure & challenges

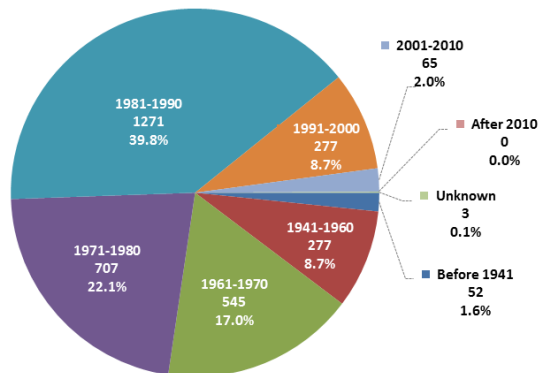


Types of Danube inland vessels (3,214 vessels)



Source: Danube Commission. Figures 2016. Chart: Pro Danube

Age of Danube inland vessels



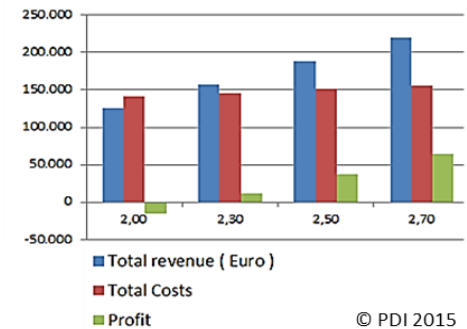
Source: Danube Commission. Figures 2016. Chart: Pro Danube

## Challenges

- **Insufficient waterway maintenance**
  - Little operating profits
  - Almost no fleet investment, mainly repair
- **Reduction of air pollutant emissions**
  - to be competitive (environmentally) to road & rail
  - to be compliant with Stage V of NRMM (for new engines)
  - to be politically supported & socially accepted
- **Need to adapt fleet to new markets**
  - RORO, container, biomass, biofuels, LNG & other gases, chemicals, fertilizers, high & heavy
  - quality requirements beyond current equipment & service levels

Profitable navigation requires sufficient draft

Draft	2,00	2,30	2,50	2,70
Total Revenue (Euro)	125.700	157.125	188.550	219.975
Total Costs (Euro)	140.863	145.891	150.919	155.947
Profit	-15.163	11.234	37.631	64.028
Profit %	-12,06%	7,15%	19,96%	29,11%
Profit per to	-2,53	1,50	4,18	6,10



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# Motivation: Policy initiative based on cooperation & commitment



## GREEN DEAL FOR DANUBE RIVER TRANSPORT

National Governments of Danube States

Vessel & Fleet Operators

Ports & Terminal Operators

Danube IWT Users & Logistics Operators

Reduction Administrative Barriers

Infrastructure & Maintenance

State Aid Fleet & Terminal Modernisation

Fleet modernisation Programmes and Projects

Development Strategy & Action Plan and Implementation projects (Danube port network)

MoU - Innovative Danube Logistics / Pilot & Deployment Projects

Existing EU Programmes • National Programmes • Lead Projects • Financing Schemes

EUSDR PA1A • Danube Corridor Plan • Danube Innovation Centre (INDanube - EIBIP)



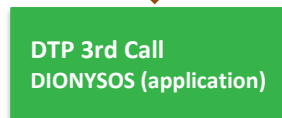
01/2017-06/2019



06/2018-11/2020



01/2017-06/2019



04/2020-09/2020

Various ongoing projects in DTP, H2020, CEF; some projects in preparation for forthcoming call



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Photo: © NAVROM

## **GRENDL “Green and efficient Danube fleet”**

Towards modernisation & greening of Danube inland waterborne sector and strengthening its competitiveness

[www.interreg-danube.eu/grendel](http://www.interreg-danube.eu/grendel)