

Towards green, efficient and competitive river Danube transport

Fleet investment plans

GRENDEL Kick off meeting

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



Motivation & Goals



- Elaborate detailed company individual fleet investment plans for time period 2020-2027 addressing fleet modernization requirements in order to improve environmental and economic performance of funded fleet operators
- Consolidate fleet investment plans on national level
- Support the identification of investment items which shall be included into State Aid Scheme Model (eligible items for funding/preferred technologies/innovation priorities)
- Provide indication on investment volumes per country (as aggregated figure) and their distribution over the lifespan of the State Aid Scheme
- Provide indication on budgetary requirements for the State Aid Schemes on national and EU level (funding needs) in money terms as well as with regard to their yearly distribution
- Provide indication on financing needs of IWT sector (Financing instruments & measures)

Approach

- Collecting information on planned investment over period 2020-2027 (covering next financial period of the European Union)
- Directly from Funded Partners & ASP (voluntarily) of GRENDL consortium
- In addition via National coordinators from other major fleet operators (same information or at least consolidated information indications) – company specific meetings and/or stakeholder coordination meetings
- Using questionnaire and capex template
- Aggregation of individual fleet investment plans plus information gathered from major other market stakeholders into “National Fleet Investment Plans”

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1. Existing Fleet

Please fill in the table below. If you have an overview of your fleet in another format, you can just attach it to the questionnaire.

Number	Size	Year built	Engine			Modernisation activities (Year and Type if possible)									
			Type	Emission standard	Year built	Main Engine	Aux Engine	Row Thruster	Bulker	Duct	Cargo Section	Bay Section	Aft body	Other	

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2. Origin of your fleet and typical decommissioning of vessels

If you buy new vessels or decommission them, what are the most common actions you take? Please rate from 1 (very rare procedure) to 10 (most common procedure).

Action	1	2	3	4	5	6	7	8	9	10
Buy new-built vessels										
Buy used vessels										
Decommissioned vessels are sold										
Decommissioned vessels are scrapped										

3. How long do you usually keep vessels within your fleet?

4. What are your reasons to decommission a vessel?

When you decommission a vessel, what describes your reasons to do so best? Please rate from 1 (very rare) to 10 (most common).

Reason	1	2	3	4	5	6	7	8	9	10
Vessel too old (refurbishment not economic)										
Vessel too small (operation not economic)										
Emission standard too low										
Image										

Fleet Investment Plan Template



Detailed investment planning in different categories for 10 years period

Maintenance for existing devices and equipment (Refurbishment)

- Repair
- Overhaul
- Exchange

Equipment in focus:

- Gear boxes,
- Propellers, nozzles, bow thrusters
- Main and aux. engines
- Electric works
- Rudder system
- Anchors and anchor chains,
- Navigation equipment

Installation of new equipment and devices (Renewal)

- New equipment, that has not been on the vessel before

Equipment in focus:

- New gear boxes,
- Improved propellers
- Nozzles, bow thrusters
- New main and aux. engines
- Electric works, automation
- Improved rudder system
- Exhaust-after treatment
- New alternative fuel
- RIS related equipment

Work concerning the whole ship

- Major conversion

Work in focus:

- Docking
- Hull repair/refurb
- Improved aft section
- Improved bow
- Broadening / Prolonging
- Reconstruction of electric wiring

Cargo Compartment

Work in focus:

- Modifying Hatchways
- Adapting to RoRo
- Provision of Power
- Air conditioning



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GRENDEL “Green and efficient Danube fleet”

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

www.interreg-danube.eu/grendel