Know-how transfer event on modernisation of Danube fleet

Manfred SEITZ
Danube cargo fleet: structure & challenges

**Types of Danube inland vessels (3,214 vessels)**

- **Dry cargo vessels: self-propelled** 356
- **Dry cargo vessels: non-propelled barges**
- **Liquid cargo vessels: self-propelled** 74
- **Liquid cargo vessels: non-propelled barges**
- **Tugs - tug boats** 255 + 332
- **Pushers - push boats**

**Age of Danube inland vessels**

- 1981-1990 1,271 39.8%
- 1991-2000 277 8.7%
- 1971-1980 707 22.1%
- 1961-1970 545 17.0%
- Unknown 3 0.1%
- Before 1941 82 2.6%

**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
Motivation: Policy initiative based on cooperation & commitment

**GREEN DEAL FOR DANUBE RIVER TRANSPORT**

- **National Governments of Danube States**
  - Reduction Administrative Barriers
  - Infrastructure & Maintenance

- **Vessel & Fleet Operators**
  - State Aid Fleet & Terminal Modernisation
  - Fleet modernisation Programmes and Projects

- **Ports & Terminal Operators**
  - Development Strategy & Action Plan and Implementation projects (Danube port network)

- **Danube IWT Users & Logistics Operators**
  - 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)

- **Interreg**
  - Danube Transnational Programme DANTE 01/2017-06/2019
  - Danube Transnational Programme GRENDEL 06/2018-11/2020
  - Danube Transnational Programme DAPHNE 01/2017-06/2019
  - DTP 3rd Call DIONYSOS (application) 04/2020-09/2020

Various ongoing projects in DTP, H2020, CEF; some projects in preparation for forthcoming call
GRENDEL “Green and efficient Danube fleet”
Towards modernisation & greening of Danube inland waterborne sector and strengthening its competitiveness

www.interreg-danube.eu/grendel