GREEN DANUBE

Integrated transnational policies and practical solutions for an environmentally-friendly Inland Water Transport system in the Danube region

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18 April 2018, Vienna
Workshop on modernisation of Danube vessels fleet
Austrian National Workshop on greening strategy

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GENERAL INFORMATION

- **GREEN DANUBE DTP 1-043-3.1**

- **Priority Axis 3**: Better connected and energy responsible Danube region

- **Specific Objective 3.1**:
Support environmentally–friendly and safe transport systems and balanced accessibility of urban and rural areas

- **Duration:** 30 months (January 2017 – June 2019)

- **Total Budget:** 1.586.244 EURO
- **ERDF Contribution:** 1.267.897,40 EURO
- **IPA Contribution**: 80.410 EURO

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CONSORTIUM: 10 PPs+6 ASPs of 7 countries

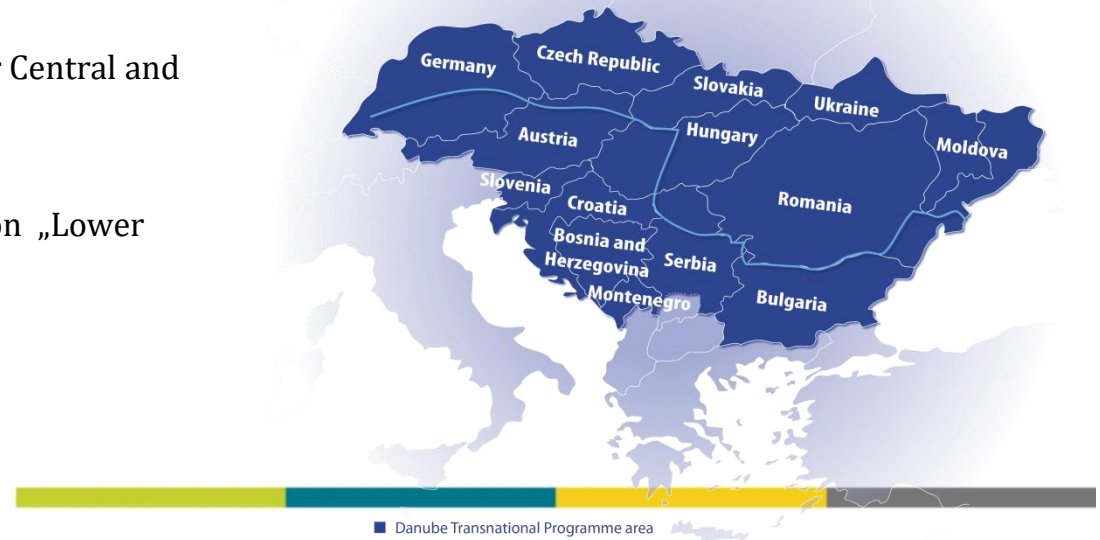
Partners (PPs)

LP - CER – Romanian Maritime Training Centre, **RO**

1. Pro Danube Management GmbH – **AT**
2. Black Sea - Danube Association of Research and Development – **BG**
3. Inland Navigation Development Centre Ltd – **HR**
4. Development Centre for Ship Technology and Transport Systems – **DE**
5. National Association of Radio Distress-Signalling and Infocommunications – **HU**
6. The Regional Environmental Centre for Central and Eastern Europe – **HU**
7. Danube Delta National Institute – **RO**
8. Association of Cross Border Cooperation „Lower Danube" – **RO**
9. Danube Competence Centre – **RS**

Associate Strategic Partners (ASPs)

1. Danube Delta Biosphere Reserve Authority – **RO**
2. General Directorate for Water – **HU**
3. Directorate for Inland Waterways – **RS**
4. Danube Commission – **HU**
5. Executive Agency Maritime Administration – **BG**
6. Ministry of Transport – **RO**



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CHALLENGES and APPROACHES

Challenges:

Air pollution in the Danube Region

Different emissions due to different ***technologies, fuels*** and environmental **policies**

Inadequate information on environment protection

Approaches:

Contribution to limit impact of IWT on the Danube ecosystem by measurements and impact analysis – **Air Quality measurement**

Deploying research and **inventories** focused on green **technologies**, alternative fuels and sailing behaviour by providing solutions and **Policy Agenda**

Contribution to **raise public awareness** on the impact of IWT on nature **by developing Environmental Information Centres**

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GREEN DANUBE – SPECIFIC OBJECTIVES

SO 1- Contribute to limit impacts of IWT on the Danube ecosystem

SO 2 - Contribute to emissions reduction in the Danube ecosystem

SO 3 - Raise public awareness

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WORK PACKAGE 3 - AIR EMISSIONS ASSESSMENT

4 critical areas along the Danube were selected:

- ✓ Danube Delta - Sulina Channel (RO) Mm 0 - 34
- ✓ Iron Gates I (RO-RS) Km 930 - 947
- ✓ Gemenc (HU) Km 1475 - 1480
- ✓ Engelhartszell - Confluence of the Danube and Inn river (DE-AT) Km 2200 - 2224

Measurements are in progress within the selected areas :

- ✓ First set of measurements took place in the autumn of 2017
- ✓ Second set (spring) is in progress as we speak
- ✓ Summer campaign is planned for July 2018

Analysing, interpreting and reporting of the measurements results started at the beginning of 2018.

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WORK PACKAGE 4 - GREEN TECHNOLOGIES

Green technologies have been inventoried and **partners concluded reports** on:

- characteristics and operating regimes of inland vessels
- inventories of innovative technologies
- best practices for emissions reduction
- existing facilities and future options to supply alternative fuels along the Danube

All results will be integrated into a **Strategy for emissions reduction** on the Danube by the use of innovative green technologies

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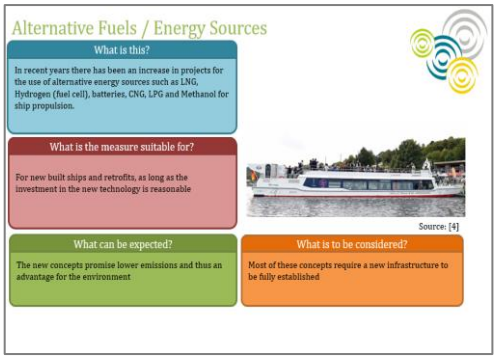
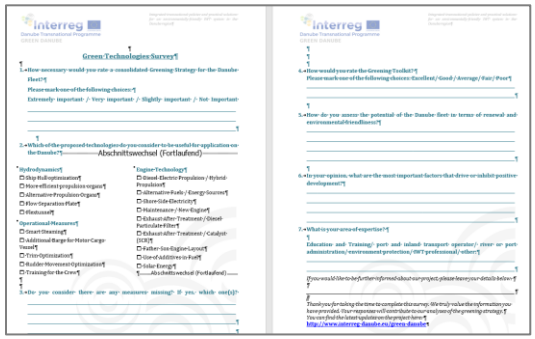
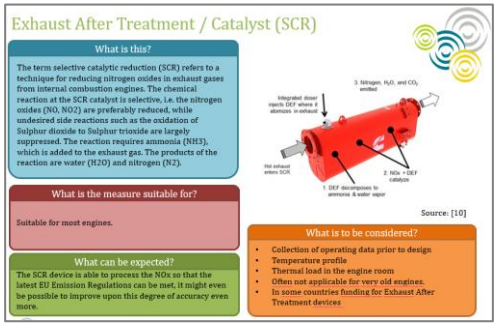
WORK PACKAGE 4 – GREENING STRATEGY

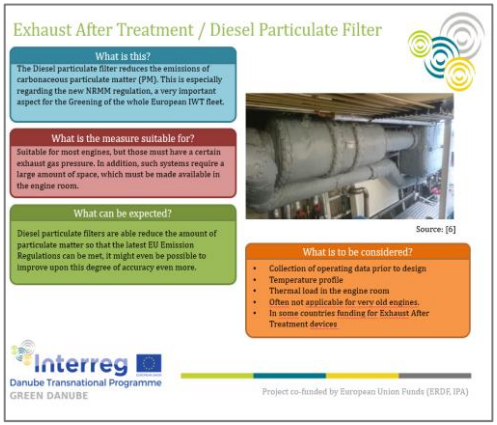
Greening Strategy *for emissions reduction* *based on possible green technologies for the Danube Region*

- What is it?
- What is the measure suitable for?
- What can be expected?
- What is to be considered?









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WORK PACKAGE 5 - EU POLICY SUPPORT

A report on the **analysis of policies and legislative framework** summarized the key findings of the scanning undertaken by partners in all project countries at

- ✓ National level
- ✓ Regional level
- ✓ European level

It has been completed to support development of a Policy Agenda whose aim is to **integrate project conclusions via Policy Agenda** into the existing **policy and legislative framework.**

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WORK PACKAGE 6 - RAISING PUBLIC AWARENESS

Four **IWT Environmental Information Centres** will be developed to facilitate cooperation actions at transnational level among authorities, environmental agencies and the general public.

Their main purpose is to contribute to more effective information sharing to limit impact of IWT system on the Danube region environment.

- ✓ *IWT EICs will be located in Romania, Croatia, Serbia*
- ✓ *Mobile centre in Hungary will cover also Austria, Germany and Bulgaria*

Transnational pilot actions and campaign to test the centres will be organised in each of the seven project countries in 2018.

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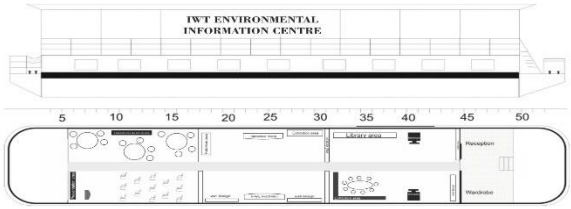
WORK PACKAGE 6 - RAISING PUBLIC AWARENESS

Environmental Information Centres



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FURTHER INFORMATION:

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https://www.facebook.com/GreenDanube/
https://www.facebook.com/InfoDanube
http://www.infodanube.ro
https://www.facebook.com/INDanube/
https://www.linkedin.com "Danube Knowledge Network"

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Thank you!

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