

GREEN DANUBE

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



GREEN DANUBE

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*21 02 2017, Bucharest
Danube SKILLS Kick off*



Danube Transnational Programme

GREEN DANUBE

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

PERSPECTIVES



- IWT is growing with about 80% until 2040 compared to 2010
- In the year 2020 the average emission level of air pollutants of inland navigation vessels will in many cases be higher than that of trucks
- It is imperative to control the negative impact of emissions

GREEN DANUBE addresses
the issue of
**Inland Waterways Transport
(IWT)** pollutant emissions
along the Danube



GENERAL INFORMATION

- **GREEN DANUBE DTP1-1-043-3.1**
- **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



Danube Transnational Programme



Priority Area 3: Better connected and energy responsible Danube region

Project: GREEN DANUBE
Total Budget: 1 586 244 EURO
ERDF: 1 267 897,40 EURO
IPA: 80 410 EURO
ENI: 0 EURO
Co-finance: 237 936,60 EURO

Start date
01-01-2017
End date
30-06-2019

A stream of cooperation

 **Interreg** 
Danube Transnational Programme
GREEN DANUBE
Programme co-funded by the European Union

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

CONSORTIUM: 10 PPs+6 ASPs of 7 countries



Partners (PPs)

LP- CERONAV – Romanian Maritime Training Centre,

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





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 of emissions level and impact analysis

Deploying research 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 the nature by developing Environmental Information Centres

WORK PACKAGE 3 - AIR EMISSIONS ASSESSMENT



- **Act. 3.1** Set up assessment criteria for selection of the critical environment areas on the Danube
- **Act. 3.2:** Performance of measurements of air pollutant emissions in the selected areas
- **Act. 3.3:** Analysing, interpreting and reporting of the measurements results

WORK PACKAGE 4 - GREEN TECHNOLOGIES



- **Act. 4.1** Survey on characteristics and operating regimes of IWT vessels passing monitored areas
- **Act. 4.2** Inventory of innovative technologies and best practices for emission reduction on the Danube
- **Act. 4.3** Inventory of existing facilities and future option for supply of alternative fuels
- **Act. 4.4** Strategy for emissions reduction by using green technologies

WORK PACKAGE 5 -EU POLICY SUPPORT



- **Act. 5.1:** Analysis of the existing policy and legislative framework
- **Act. 5.2:** Development of policy agenda on integration project outputs into existing legislative framework
- **Act. 5.3:** Policy Agenda transnational validation

WORK PACKAGE 6-RAISING PUBLIC AWARENESS



- **Act. 6.1:** Joint development of an IWT Environmental Information Centre (EIC) concept
- **Act. 6.2:** Set up of IWT Environmental Information Centres within existing ITCs
- **Act. 6.3:** Transnational pilot actions and campaign with newly developed IWT EICs
- **Act. 6.4.** Strategy for set up of a IWT EICs platform



FURTHER READING:

<http://www.interreg-danube.eu/green-danube>

<https://www.facebook.com/GREEN-Danube-project>

<https://www.facebook.com/InfoDanube>

<http://www.infodanube.ro>

<https://www.linkedin.com> Danube Knowledge Network



Thank you!



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