

GREEN DANUBE

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



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*23 02 2017, Constanta
GREEN DANUBE 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 in
the Danube Region



SIMILAR PROJECTS AND INITIATIVES



TREMOVE - is a transport and emissions simulation model developed for the European Commission

Joint Research Center - **A COMPARATIVE ANALYSIS OF THE CAUSES OF AIR POLLUTION IN THREE CITIES OF THE DANUBE REGION**



DTP Capitalisation Strategy –Thematic Pole 7

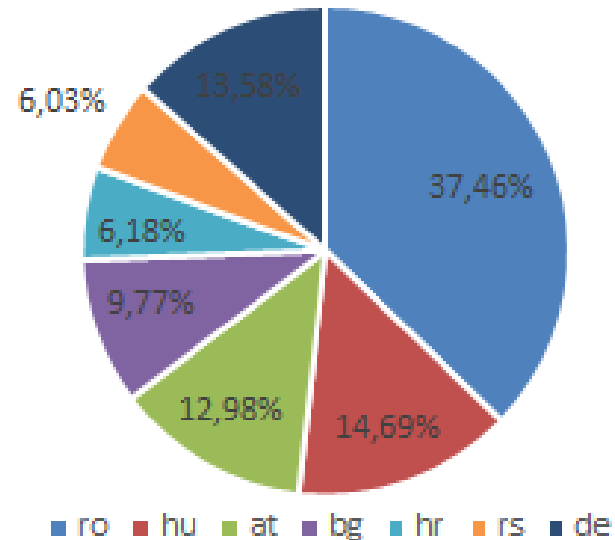
- **Green Danube:** [Integrated transnational policies and practical solutions for an environmentally-friendly Inland Water Transport system in the Danube region](#)
- **Danube SKILLS:** [Increased institutional capacity in Danube navigation by boosting joint transnational competences and skills in education and public development services](#)
- **DANTE:** [Improving Administrative Procedures and Processes for Danube IWT](#)
- **DAPhNE:** [Danube Ports Network](#)
- **DBS Gateway Region:** [RRegional and Transport Development in the Danube-Black Sea Region towards a Transnational Multiport Gateway Region](#)
- **Danube STREAM:** [Smart, Integrated and Harmonized Waterway Management](#)



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

Budget shared by countries



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 assessment in the Danube Region

Reduction emissions due to different **innovative technologies, new fuels** and environmental **policies**

Inadequate information on environment protection

Approaches:

Focusing on the environmental critical areas
Contribution to limit impact of IWT on the Danube ecosystem by measurements of emissions level and impact analysis

Deploying research focused on green and innovative technologies, alternative fuels and sailing behavior by providing solutions and Policy Agenda

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



WORK PACKAGE 1 - Project management

WORK PACKAGE 2 - Project communication

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:** Measurements performance 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

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



Thank you!



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CERONAV