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

08 June, Budapest

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

• Inland Waterways Transport (IWT) will grow 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** 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
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
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
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
GREEN DANUBE Kick-off, 23 Feb 2017 – Mamaia, Romania

✓ 70 participants from relevant organizations and bodies, project partners and associated strategic partners.
✓ Representatives of Romanian Ministry of Transport, Romanian Naval Authority, local universities, environmental bodies and NGOs expressed their interest in fighting the environmental pollution in the inland waterways sector.
WORK PACKAGE 1 – Project Management

✓ D 1.1.1 Project Handbook – Version 1.2

WORK PACKAGE 2 – Project communication
Main Deliverables

✓ D 2.1.1 Website: http://www.interreg-danube.eu/green-danube
✓ D 2.1.2 Communication Plan
✓ D 2.1.3 Newsletter – 1st edition, June 2017
✓ D 2.1.4 Social media – https://www.facebook.com/GreenDanube
✓ D 2.2.1 (D 2.2.2 P5) Stakeholder Database final draft ready
WORK PACKAGE 3 - AIR EMISSIONS ASSESSMENT

• **Act. 3.1:** Set up assessment criteria for selection of the critical environment areas on the Danube

  ✓ 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**

• **Act. 3.2:** Performance of measurements of air pollutant emissions in the selected areas

  ✓ work on measurement methodology

• **Act. 3.3:** Analysing, interpreting and reporting of the measurements results

  activity will start on 1st January 2018
WORK PACKAGE 3 - AIR EMISSIONS ASSESSMENT

Deliverables

✓ D 3.1.1 List of the assessment criteria for the selection of critical environmental areas on the Danube River – final version ready
✓ D 3.1.2 Working methodology for performing the measurements in the selected areas – final version ready
❖ D 3.2.1 (P3) Report on the results of measurements performed in the selected Danube areas – draft of field data recording form
❖ D 3.3.1 Consolidated report on the measurements results
WORK PACKAGE 4 - GREEN TECHNOLOGIES

• Act. 4.1: Survey on characteristics and operating regimes of IWT vessels passing monitored areas
  ✔ collection of data started after having identified the sources

• Act. 4.2: Inventory of innovative technologies and best practices for emission reduction on the Danube
  ✔ collection of relevant information in progress

• Act. 4.3: Inventory of existing facilities and future option for supply of alternative fuels
  ✔ collection of relevant information in progress

• Act. 4.4: Strategy for emissions reduction by using green technologies
  activity will start in March 2018
WORK PACKAGE 4 - GREEN TECHNOLOGIES
Deliverables and Outputs

✓ **D 4.1.1** Technical report on vessels inventory results

✓ **D 4.2.1** Technical Report on “Existing green technologies and best practices for reduction of IWT air pollution on the Danube River”

✓ **Output 4.1** IWT vessels regime and green technologies database

✓ **D 4.3.1** Report on existing facilities for supply of alternative fuels along the Danube

✓ **Output 4.2** National workshops for emission reduction strategy

✓ **Output 4.3** Strategy for greening the Danube IWT
WORK PACKAGE 5 - EU POLICY SUPPORT

• **Act. 5.1:** Analysis of the existing policy and legislative framework
  ✓ *preparation of inception report in progress*
  ✓ *activity started on 1st May 2017*

• **Act. 5.2:** Development of policy agenda on integration project outputs into existing legislative framework

• **Act. 5.3:** Policy Agenda transnational validation
WORK PACKAGE 5 - EU POLICY SUPPORT
Deliverables and Outputs

✓ D 5.1.1 Report on the analysis of policies and legislative framework

✓ D 5.2.1 Draft policy agenda
✓ Output 5.1 Policy Agenda in support of European legislation

✓ D 5.3.1 Summary conclusions of the National Policy Validation Workshops
✓ Output 5.2 National validation workshops for Policy support
✓ D 5.3.2 Summary conclusions of the International Policy Workshop
• Output 5.3 International Policy Workshop with decision makers
WORK PACKAGE 6-RAISING PUBLIC AWARENESS

• **Act. 6.1:** Joint development of an IWT Environmental Information Centre (EIC) concept

  ✓ *IWT EICs will be located in Romania, Croatia, Serbia*
  ✓ *Mobile centre in Hungary will cover also Austria, Germany and Bulgaria*
  ✓ *Existing ITC – InfoDanube developed in NELI and HINT projects will be reconsidered and equipped for environmental issues*
WORK PACKAGE 6-RAISING PUBLIC AWARENESS

• **Act. 6.1:** Joint development of an IWT Environmental Information Centre (EIC) concept

*Equipment and multimedia elements*

- **InfoKiosk**
- **Interactive presentation system**
WORK PACKAGE 6-RAISING PUBLIC AWARENESS

• **Act. 6.2:** Set up of IWT Environmental Information Centres within existing ITCs
  ✓ *Procurement of equipment in progress*

• **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
  ❖ *Activities will start later this year*
WORK PACKAGE 6-RAISING PUBLIC AWARENESS

Outputs

✓ Output 6.1 Concept and set up of IWT EICs

✓ Output 6.2 Transnational pilot actions to test IWT EICs

✓ Output 6.3 Transnational Strategy for cooperation platform
FURTHER READING:

http://www.interreg-danube.eu/green-danube
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
Thank you!

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