### BASIC PROJECT DATA

<table>
<thead>
<tr>
<th>Full project title:</th>
<th>Improvement of the navigational systems and topohydrographic measurements on the Danube River – Phase 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short project title: (acronym)</td>
<td>-</td>
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<tr>
<td>Project logo:</td>
<td>-</td>
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<tr>
<td>Project website:</td>
<td>-</td>
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<tr>
<td>Project ID:</td>
<td>PA1A121</td>
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### Need and added value for Danube Region Strategy:

During the first programming period 2007-2013 EAEMDR (Executive Agency for Exploration and Maintenance of the Danube River) implemented the project *Improvement of the navigational systems and topohydrographic measurements on the Danube River* under the Bulgarian Operational Programme on Transport. Within this project the following activities were accomplished:

- establishment of control GPS geodetic network along the Bulgarian section of the Danube River and its connection with EUREF
- delivery and installation of 9 automatic hydrometric and 9 meteorological stations
- delivery of floating and coastal navigational signs

Activity 4 of the project, namely the delivery of a specialised surveying vessel for hydrographic measurements was not implemented according to the contract amendment and was postponed for the 2014-2020 programming period. This activity is currently under implementation within the project *Improvement of the navigational systems and topohydrographic measurements on the Danube River – Phase 2*.

The new hydrographic vessel was baptised and launched in March 2017 by the Bulgarian Minister of Transport, Information Technology and Communications and the European coordinator for the Rhine-Danube Corridor Karla Pejs. The new hydrographic vessel replaces an old one, which is fully depreciated since 2009. The vessel is being used for hydrographical surveys on the Danube River by EAEMDR which is the Bulgarian competent authority for ensuring safe navigational conditions.

The new surveying vessel, together with the new modern equipment on it, is being used for implementation of adequate hydrographic measurements in the common Bulgarian-Romanian section of the Danube River, which are necessary for studying the hydromorphological regime of the river. The collected information is also being used to continuously update the electronic navigational charts as well as for prediction of fairway changes. Thus all users of the Danube waterway benefit from the project implementation. In addition, the implementation of the project has a positive impact on reducing the number of incidents along the Danube river due to the significant improvement of navigational conditions.

### Objective(s) of project:

The overall project objective is to ensure better and safe navigational conditions through improvement of the navigational systems and topohydrographic measurements in the Bulgarian section of the Danube River, part of the TEN-T Rhine-Danube Corridor.

The specific project objectives are as follows:

- achieving the international standards for implementation of topographic measurements, including hydrographical and hydrological activities necessary for studying the hydromorphological changes along the inland waterways
- decreasing the time for delivery of information to the users as one of the services related to the fairway conditions and the waters of the river
<table>
<thead>
<tr>
<th>Planned project activities:</th>
<th>The project comprises the implementation of 2 activities:</th>
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<tbody>
<tr>
<td></td>
<td>1. Delivery of specialized surveying vessel, including a boat for hydrographic measurements in shallow and narrow sections</td>
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<td></td>
<td>2. Project management, monitoring and dissemination</td>
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<tr>
<td>Transboundary impact:</td>
<td>The project is of common interest according to Art. 7 of EC Regulation 1315/2013 on Union guidelines for the development of the trans-European transport network as it is directly aimed at the improvement of navigation on the Danube River, part of the Rhine-Danube corridor, thus it will affect all countries, through which the corridor passes. The project will improve the safety of navigation in the common Romanian-Bulgarian section of the Danube river so that this part of the Lower Danube will be directly affected.</td>
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<tr>
<td>Project beneficiaries / target groups:</td>
<td>The project will benefit all users of the inland waterway like shipping companies, skippers, transport and logistics companies etc. incl. leisure ones (i.e. cruise and fishing).</td>
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</table>

**STATUS AND TIME FRAME**

<table>
<thead>
<tr>
<th>Current project phase: (please tick a box)</th>
<th>Definition (e.g. project idea, abstract)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Preparation (e.g. project proposal, feasibility study)</td>
</tr>
<tr>
<td>X</td>
<td>Implementation</td>
</tr>
<tr>
<td></td>
<td>Completion</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Start date:</th>
<th>31.03.2016</th>
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<tr>
<td>End date:</td>
<td>31.01.2018</td>
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Notes: -

**PROJECT TEAM**

Project leader: Executive Agency for Exploration and Maintenance of the Danube River / Bulgaria

Project partner(s): -

Contact person: Name: Pavlin Tsonev

Organisation: Executive Agency for Exploration and Maintenance of the Danube River

Address: Slavyanska Str 6, 7000 Ruse / Bulgaria

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E-Mail: appd@appd-bg.org

Website: www.appd-bg.org

**FINANCING**

Available: (please tick a box) | X Yes |

Partly | No |

Total budget: 3 142 708 EUR
### Project Data Sheet

#### Source(s) and amount (potential sources for project ideas):
(please tick a box and provide further info)

<table>
<thead>
<tr>
<th>Source(s)</th>
<th>Amount</th>
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<tbody>
<tr>
<td>National/regional funds:</td>
<td>State budget - 471 406 EUR</td>
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<tr>
<td>EU funds:</td>
<td>2 671 301 EUR Operational Programme on &quot;Transport and transport infrastructure&quot; 2014 – 2020 (CF, ERDF)</td>
</tr>
<tr>
<td>IFI loans:</td>
<td>-</td>
</tr>
<tr>
<td>Private funds:</td>
<td>-</td>
</tr>
<tr>
<td>Other:</td>
<td>-</td>
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</table>

#### Project Environment

**Project cross-reference:** Improvement of the navigational systems and topohydrographic measurements on the Danube River

FAIRWAY Danube

**Cross-reference ID(s):** PA1A108 (FAIRway Danube); PA1A013 (Improvement of the navigational systems and topohydrographic measurements on the Danube River)

**Strategic reference:**

- The project is in line with the following strategies / policies:
  - Operational Programme on Transport and Transport Infrastructure 2014-2020, Priority axis 4 - Innovations in management and services – establishment of modern infrastructure for traffic management and transport safety improvement of the
  - Strategy for development of the transport system of Bulgaria till 2020
  - EU Strategy for the Danube Region, Priority Area 1A - To improve mobility and multimodality: inland waterways
  - The Transport White Paper
  - TEN-T guidelines
  - NAIADES and NAIADES II action programmes of the European Commission
  - The Fairway Rehabilitation and Maintenance Master Plan, endorsed by the Danube Ministers of Transport on 3rd December 2014

**Relevant legislation:**

- Convention Regarding the Regime of Navigation on the Danube,1948, Belgrade
- Agreement between the Governments of the Republic of Bulgaria and the Romanian Republic for maintenance and improvement of the fairway in the common Bulgarian-Romanian section of the Danube River, 1955
- European Agreement on Main Inland Waterways of International Importance (AGN) (1996)
- Law on sea waters, inland waterways and ports of the Republic of Bulgaria
- Regulation (EU) No 1315/2013 of the European Parliament and of the Council of 11 December 2013 on Union guidelines for the development of the trans-European transport network, obliging EU Member States to preserve a good navigation status, while respecting the applicable environmental law

**Other:** -
## EUSDR Embedding

### Relation to other Priority Areas of the Danube Region Strategy:
(please tick a box)

- [x] PA1b: To improve mobility and multimodality – Road, rail and air links
- [ ] PA02: To encourage more sustainable energy
- [ ] PA03: To promote culture and tourism, people and people contacts
- [ ] PA04: To restore and maintain the quality of waters
- [ ] PA05: To manage environmental risks
- [ ] PA06: To preserve biodiversity, landscapes and the quality of air and soils
- [ ] PA07: To develop the knowledge society through research, education and information technologies
- [ ] PA08: To support the competitiveness of enterprises, including cluster development
- [ ] PA09: To invest in people and skills
- [ ] PA10: To step up institutional capacity and cooperation
- [ ] PA11: To work together to promote security and tackle organised and serious crime

## EUSDR Compliance

### Compliance with targets of the Danube Region Strategy:
(please tick a box)

- [x] Increase the cargo transport on the river by 20% by 2020 compared to 2010.
- [x] Solve obstacles to navigability, taking into account the specific characteristics of each section of the Danube and its navigable tributaries and establish effective waterway infrastructure management by 2020.
- [ ] Develop efficient multimodal terminals at river ports along the Danube and its navigable tributaries to connect inland waterways with rail and road transport by 2020.
- [ ] Implement harmonised River Information Services (RIS) on the Danube and its navigable tributaries and ensure the international exchange of RIS data preferably by 2020.
- [ ] Solve the shortage of qualified personnel and harmonize education standards in inland navigation in the Danube region by 2020, taking duly into account the social dimension of the respective measures.

### Compliance with actions of the Danube Region Strategy:
(please tick a box)

- [x] To complete the implementation of TEN-T Priority Project 18 on time and in an environmentally sustainable way.
- [ ] To invest in waterway infrastructure of Danube and its tributaries and develop the interconnections.
- [ ] To modernise the Danube fleet in order to improve environmental and economic performance.
- [ ] To coordinate national transport policies in the field of navigation in the Danube basin.
- [ ] To support Danube Commission in finalising the process of reviewing the Belgrade Convention.
To develop ports in the Danube river basin into multimodal logistics centres.

To improve comprehensive waterway management of the Danube and its tributaries.

To promote sustainable freight transport in the Danube Region.

To implement harmonised River Information Services (RIS).

To invest in education and jobs in the Danube navigation sector.

**Affiliation to thematic working group of Priority Area 1a of the EUSDR:**

(please tick a box)

- Waterway infrastructure and management
- Ports and sustainable freight transport
- Danube fleet
- River Information Services
- Education and jobs

**Other Relevant Issues**

<table>
<thead>
<tr>
<th>Project requirements:</th>
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<tbody>
<tr>
<td>Follow-up project:</td>
<td>-</td>
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<tr>
<td>Any other issues:</td>
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