



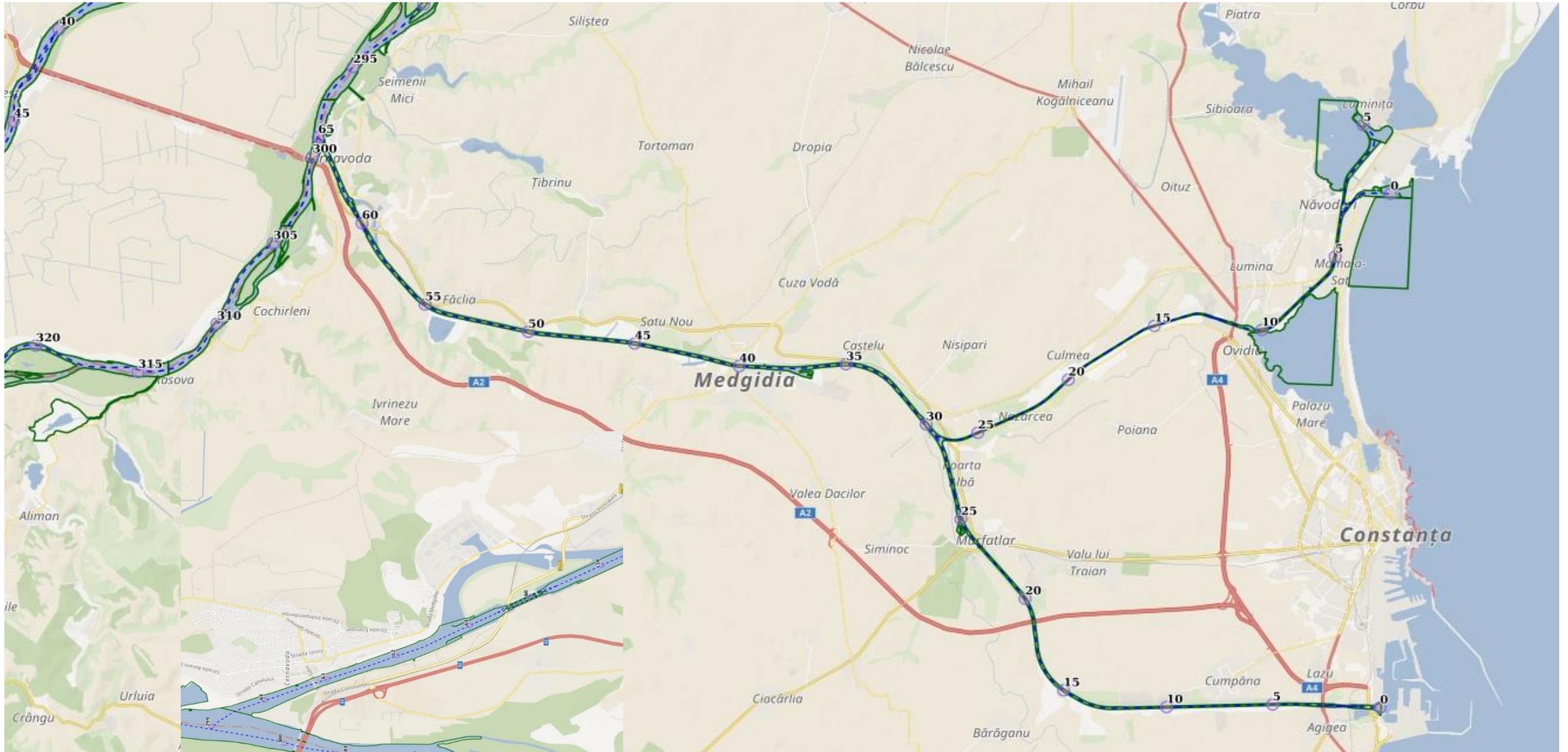
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# Expert Meeting on Hydrotechnical Matters

## DANUBE COMMISSION

Budapest, 05032026-Moren ABDURAFI/ ACN

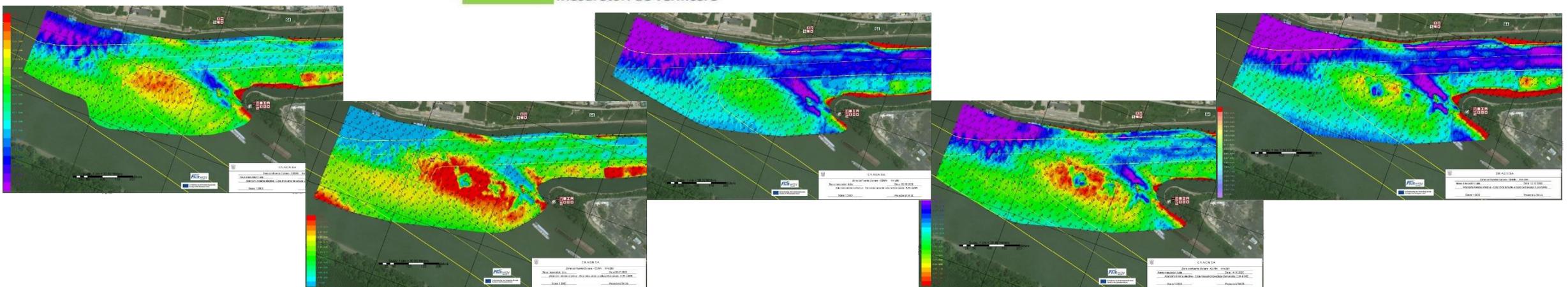


# Performed activities in 2025

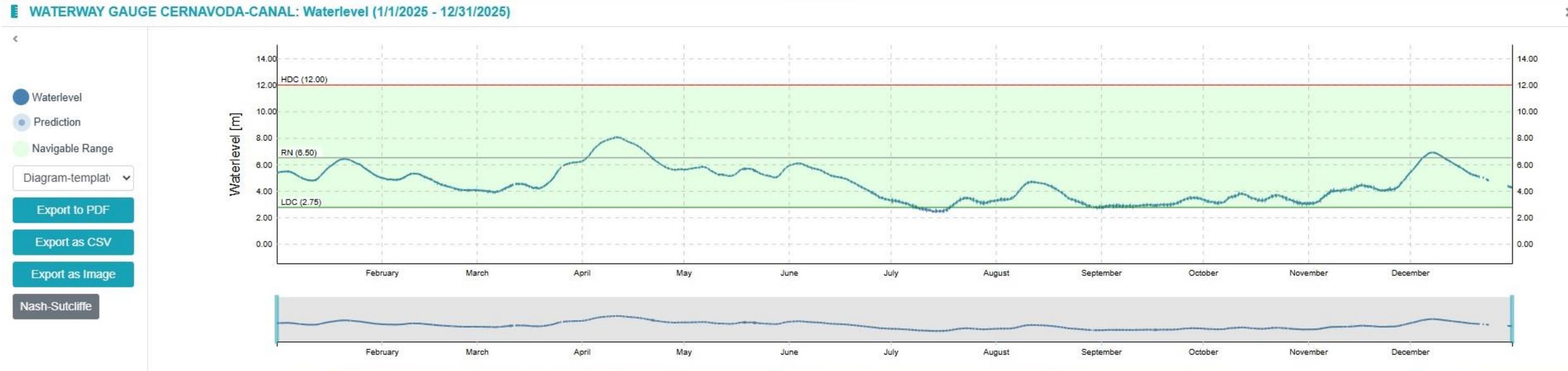
PROGRAM MASURATORI HIDROGRAFICE PE ANUL 2025

| Nr. crt. | Locatie                                 | Ianuarie | Februarie | Martie | Aprilie | Mai | Iunie | Iulie | August | Septembrie | Octombrie | Noiembrie | Decembrie |
|----------|-----------------------------------------|----------|-----------|--------|---------|-----|-------|-------|--------|------------|-----------|-----------|-----------|
| 1        | Km 50+500 ÷ 52+000, CDMN                |          |           |        |         |     |       |       |        |            |           |           |           |
| 2        | Cemavodă, Km 63+000 ÷ 65+000, CDMN      |          |           |        |         |     |       |       |        |            |           |           |           |
| 3        | Cemavodă - Canal de Derivație           |          |           |        |         |     |       |       |        |            |           |           |           |
| 4        | Limite șenal navigabil CDMN+CPAMN       |          |           |        |         |     |       |       |        |            |           |           |           |
| 5        | Km 6+000 ÷ 8+000, CDMN                  |          |           |        |         |     |       |       |        |            |           |           |           |
| 6        | Cemavodă, Km 60+300 ÷ 65+000, CDMN      |          |           |        |         |     |       |       |        |            |           |           |           |
| 7        | Port Medgidia, Km 37+000 ÷ 38+000, CDMN |          |           |        |         |     |       |       |        |            |           |           |           |
| 8        | Port Luminița, Km 3+500 ÷ 4+500         |          |           |        |         |     |       |       |        |            |           |           |           |
| 9        | Năvodari, Km 0+000 ÷ 2+000, CPAMN       |          |           |        |         |     |       |       |        |            |           |           |           |
| 10       | Km 43+000 ÷ 46+000 CDMN                 |          |           |        |         |     |       |       |        |            |           |           |           |
| 11       | Cemavodă, Km 63+000 ÷ 65+000, CDMN      |          |           |        |         |     |       |       |        |            |           |           |           |
| 12       | Km 34+000 ÷ 38+000, CDMN                |          |           |        |         |     |       |       |        |            |           |           |           |
| 13       | Km 28+000 ÷ 29+000, CDMN                |          |           |        |         |     |       |       |        |            |           |           |           |
| 14       | Km 23+000 ÷ 25+000, CDMN                |          |           |        |         |     |       |       |        |            |           |           |           |
| 15       | Km 16+000 ÷ 19+000, CDMN                |          |           |        |         |     |       |       |        |            |           |           |           |
| 16       | Cemavodă, Km 63+000 ÷ 65+000, CDMN      |          |           |        |         |     |       |       |        |            |           |           |           |
| 17       | Ax șenal navigabil CDMN+CPAMN           |          |           |        |         |     |       |       |        |            |           |           |           |
| 18       | Port Basarabi, Km 24+000 ÷ 25+000, CDMN |          |           |        |         |     |       |       |        |            |           |           |           |
| 19       | Km 13+000 ÷ 17+400, CPAMN               |          |           |        |         |     |       |       |        |            |           |           |           |
| 20       | Km 0+000 ÷ 1+500, CDMN                  |          |           |        |         |     |       |       |        |            |           |           |           |
| 21       | Km 2+000 ÷ 4+000, CDMN                  |          |           |        |         |     |       |       |        |            |           |           |           |
| 22       | Cernavodă, Km 63+000 ÷ 65+000, CDMN     |          |           |        |         |     |       |       |        |            |           |           |           |

- Măsurători puncte critice
- Măsurători în zone monitorizate
- Măsurători de verificare



# Performed activities in 2025



Closure of navigation due to meteorological conditions\* as follows:

Danube-Black Sea Canal:

- due to fog conditions (265 hours)
- due to strong wind conditions (280 hours).

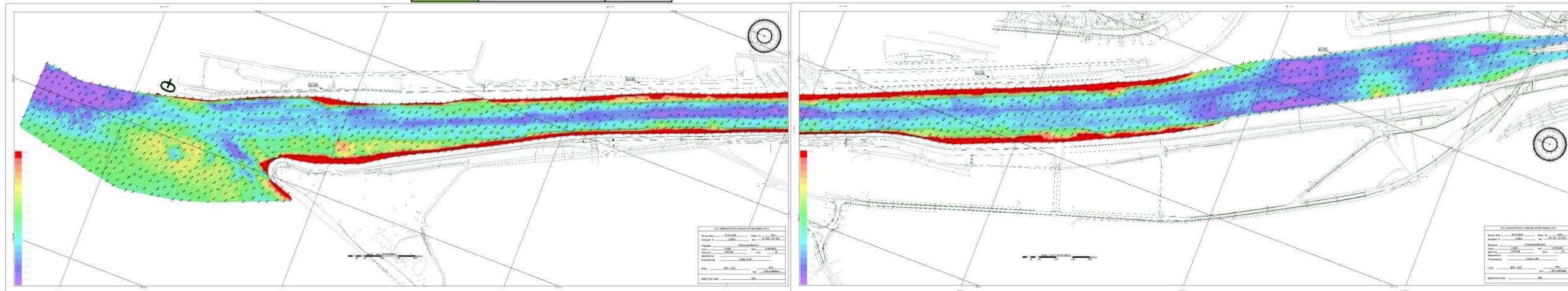
\* measures taken by Romanian Naval Authority were to close the port of Constanta (for DBSC) and port of Midia (for PAMNC) and the measures taken by ACN were to restrict navigation on the canals

# Planned activities in 2026

## PROGRAM MASURATORI HIDROGRAFICE PE ANUL 2026

| Nr. crt. | Locatie                                 | Ianuarie | Februarie | Martie | Aprilie | Mai | Iunie | Iulie | August | Septembrie | Octombrie | Noiembrie | Decembrie |
|----------|-----------------------------------------|----------|-----------|--------|---------|-----|-------|-------|--------|------------|-----------|-----------|-----------|
| 1        | Cernavodă - Canal de Derivație          | ■        |           |        |         |     |       |       |        |            |           |           |           |
| 2        | Cernavodă, Km 60+300 + 65+000, CDMN     |          | ■         |        |         |     |       |       |        |            |           |           |           |
| 3        | Cernavodă, Km 58+000 + 60+000, CDMN     |          |           | ■      |         |     |       |       |        |            |           |           |           |
| 4        | Limite șenal navigabil CDMN+CPAMN       |          |           |        | ■       |     |       |       |        |            |           |           |           |
| 5        | Cernavodă, Km 63+000 + 65+000, CDMN     |          |           |        |         | ■   |       |       |        |            |           |           |           |
| 6        | Port Luminița, Km 3+500 + 4+500, ramura |          |           |        |         |     | ■     |       |        |            |           |           |           |
| 7        | Năvodari, Km 0+000 + 2+000, CPAMN       |          |           |        |         |     | ■     |       |        |            |           |           |           |
| 8        | Port Medgidia, Km 37+000 +38+000, CDMN  |          |           |        |         |     |       | ■     |        |            |           |           |           |
| 9        | Cernavodă, Km 63+000 + 65+000, CDMN     |          |           |        |         |     |       | ■     |        |            |           |           |           |
| 10       | Km 0+000 + 1+500, CDMN                  |          |           |        |         |     |       |       | ■      |            |           |           |           |
| 11       | Port Basarabi, Km 24+000 + 25+000, CDMN |          |           |        |         |     |       |       | ■      |            |           |           |           |
| 12       | Km 13+000 + 17+400, CPAMN               |          |           |        |         |     |       |       |        | ■          |           |           |           |
| 13       | Km 10+000 + 12+000, CPAMN port Ovidiu   |          |           |        |         |     |       |       |        | ■          |           |           |           |
| 14       | Cernavodă, Km 63+000 + 65+000, CDMN     |          |           |        |         |     |       |       |        |            | ■         |           |           |
| 15       | Ax șenal navigabil CDMN+CPAMN           |          |           |        |         |     |       |       |        |            |           | ■         |           |
| 16       | Cernavodă, Km 63+000 + 65+000, CDMN     |          |           |        |         |     |       |       |        |            |           |           | ■         |

|   |                                 |
|---|---------------------------------|
| ■ | Măsurători puncte critice       |
| ■ | Măsurători în zone monitorizate |
| ■ | Măsurători de verificare        |



# Planned activities in 2026

PROGRAM DRAGAJ PE ANUL 2026

| Nr. crt. | Locație                                           | Ianuarie | Februarie | Martie | Aprilie | Mai | Iunie | Iulie | August | Septembrie | Octombrie | Noiembrie | Decembrie |
|----------|---------------------------------------------------|----------|-----------|--------|---------|-----|-------|-------|--------|------------|-----------|-----------|-----------|
| 1        | Km 4+700 ÷ 4+950, CPAMN, Port Luminița            | ■        | ■         |        |         |     |       |       |        |            |           |           |           |
| 2        | Km 4+950 ÷ 5+200, CPAMN, Port Luminița            |          | ■         | ■      |         |     |       |       |        |            |           |           |           |
| 3        | Cernavodă, Km 64+600 ÷ 64+680, CDMN               |          |           | ■      | ■       |     |       |       |        |            |           |           |           |
| 4        | Cernavodă, Km 64+500 ÷ 64+600, CDMN               |          |           |        | ■       | ■   |       |       |        |            |           |           |           |
| 5        | Cernavodă, Km 64+400 ÷ 64+500, CDMN               |          |           |        |         | ■   | ■     |       |        |            |           |           |           |
| 6        | Cernavodă, Km 64+300 ÷ 64+400, CDMN               |          |           |        |         |     | ■     | ■     |        |            |           |           |           |
| 7        | Cernavodă, Km 64+200 ÷ 64+300, CDMN               |          |           |        |         |     |       | ■     | ■      |            |           |           |           |
| 8        | Cernavodă, Km 64+100 ÷ 64+200, CDMN               |          |           |        |         |     |       |       | ■      | ■          |           |           |           |
| 9        | Cernavodă, Km 64+000 ÷ 64+100, CDMN               |          |           |        |         |     |       |       |        | ■          | ■         |           |           |
| 10       | Cernavodă, Km 63+800 ÷ 64+000, CDMN               |          |           |        |         |     |       |       |        |            | ■         | ■         | ■         |
| 11       | Cernavodă, Km 63+600 ÷ 63+800, CDMN               |          |           |        |         |     |       |       |        |            |           | ■         | ■         |
| 12       | Cernavodă, Km 63+400 ÷ 63+600, CDMN               |          |           |        |         |     |       |       |        |            |           |           | ■         |
| 13       | Km 36+700 ÷ 37+100, front așteptare port Medgidia |          |           |        |         |     |       |       |        |            | ■         | ■         |           |
| 14       | Km 37+800 ÷ 38+400, front așteptare port Medgidia |          |           |        |         |     |       |       |        |            |           | ■         | ■         |

|   |                                 |
|---|---------------------------------|
| ■ | Lucrări de dragaj               |
| ■ | Măsurători de verificare lunare |
| ■ | Măsurători de verificare finale |

## ESTIMATED DREDGING VOLUMES :

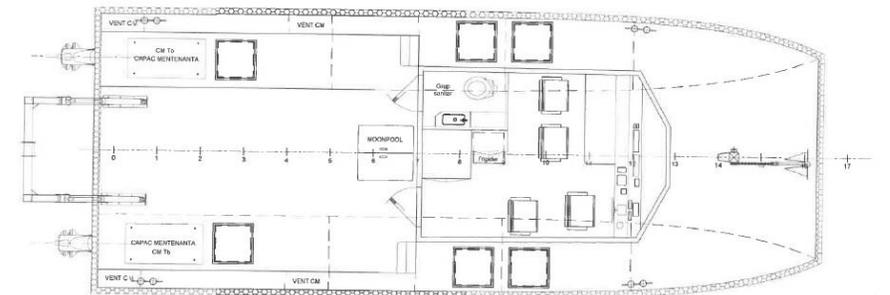
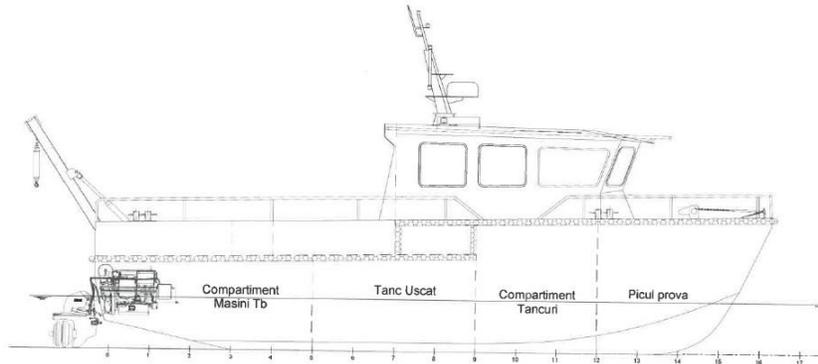
Stretch Danube river - Cernavoda locks - estimated 500.000 mc(km 65+000-km 60+300) of which

Confluence Danube river -DBSC- estimated 200.000 mc (km 65+000-km 63+000)

# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

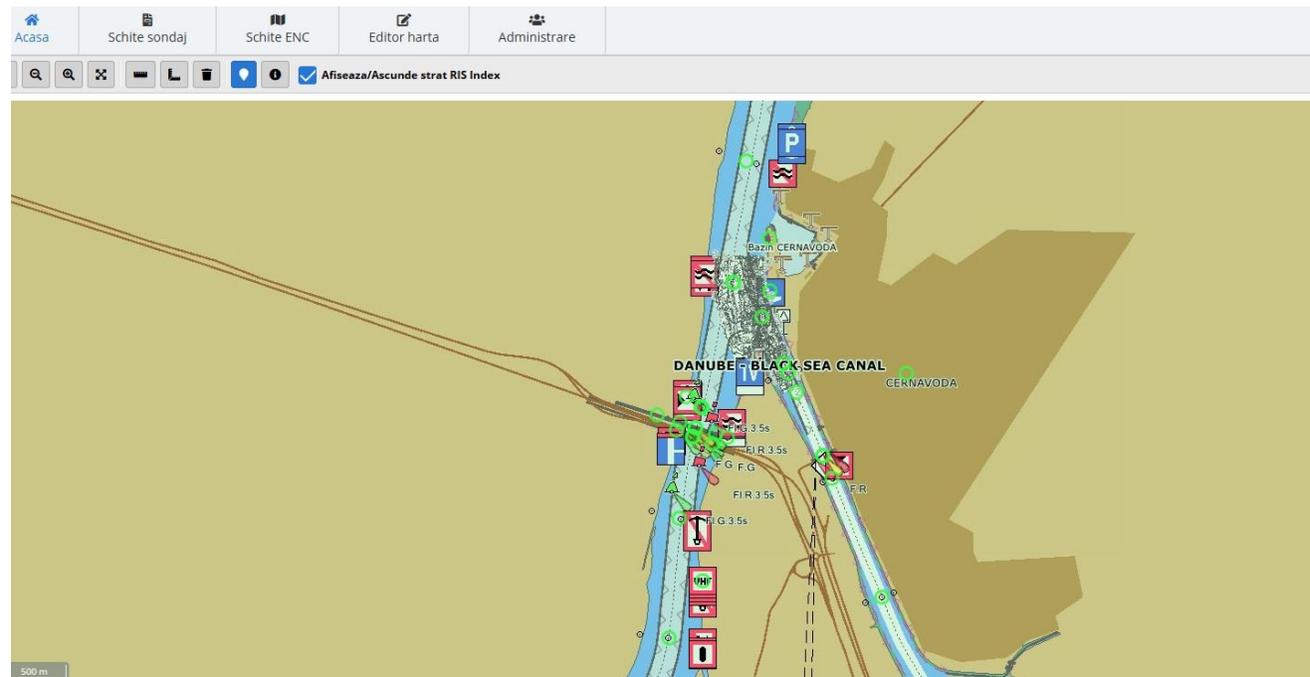
|       | KEY ISSUES                          | NEED FOR ACTION                                                                                                                             | ACTION (FINANCIAL RESOURCES)                                                                                                       |
|-------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| RO 01 | Partly outdated surveying equipment | Support acquisition of up-to-date sounding equipment, in particular sensors (incl. possibly drones), to raise the quality of surveying data | <b>Procurement of mobile sensors:</b> 1 New surveying vessel contract signed in feb 2026)<br><br><b>Finance:</b> FAIRway Danube II |



# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

|      | KEY ISSUES                                                | NEED FOR ACTION                                                             | ACTION (FINANCIAL RESOURCES)                                                                                                |
|------|-----------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| R005 | Inefficient planning and information provision procedures | Support further development of the existing waterway management tool (WAMS) | Development web service in order to upload automatically ACN bottleneck data into WAMS<br><b>Finance:</b> FAIRway Danube II |

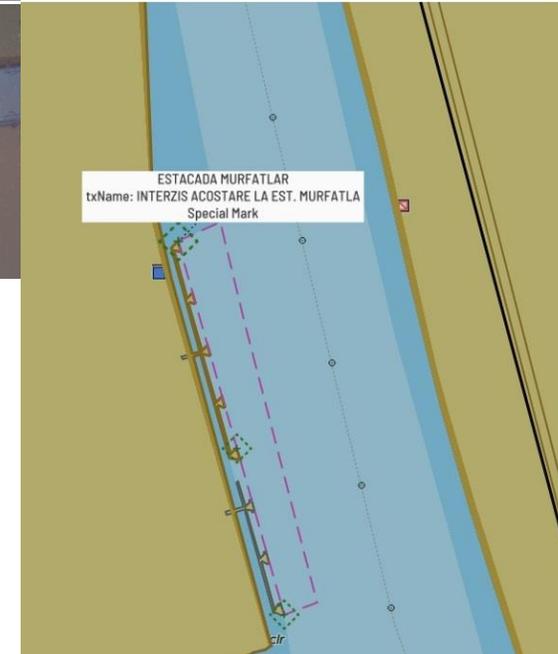
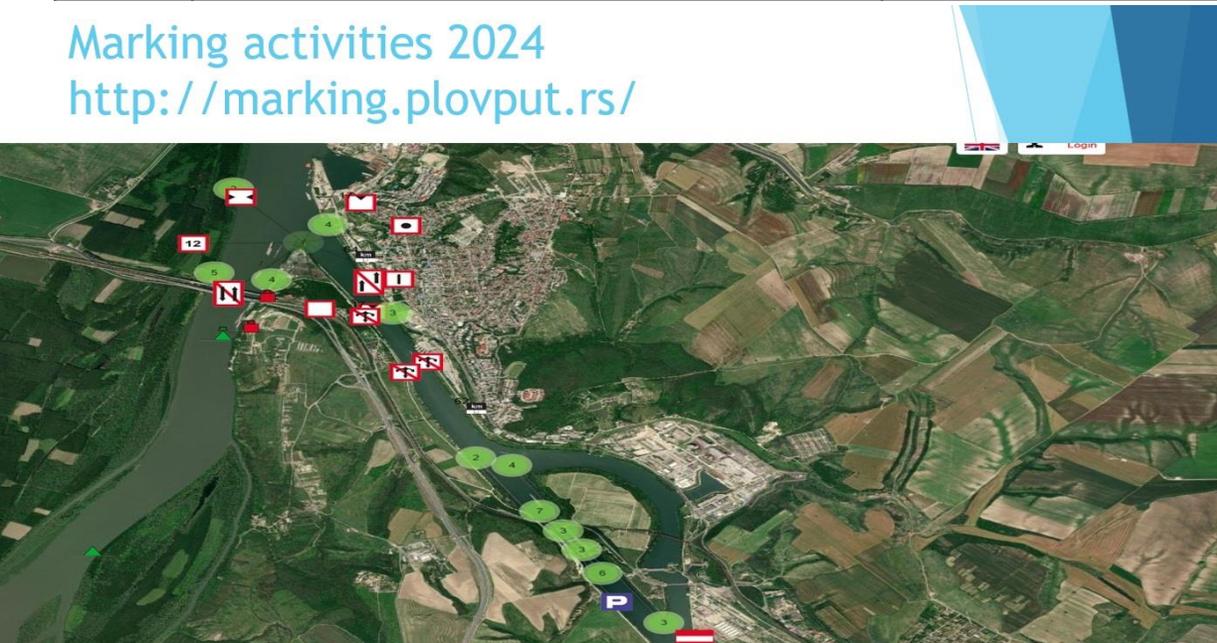


# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

|      | KEY ISSUES                                                                                                                                                          | NEED FOR ACTION                                                                                                                                                                                   | ACTION (FINANCIAL RESOURCES)                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RO11 | Insufficient number of buoys, including AIS AtoNs<br>No automated system available for the monitoring of buoy position and the dissemination of marking information | Support acquisition of intelligent marking system, including AIS AtoNs<br>Support the establishment of an automated monitoring system, including the dissemination of current marking information | <b>Achieved: Dissemination of MARKING SISTEM (Danube STREAM) / Virtual AtoNS (ACN )</b><br><br>Planned: Procurements of fixed sensors: 3 Buoys ( FAIRway Danube II |

Marking activities 2024  
<http://marking.plovput.rs/>



# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

|      | KEY ISSUES                                                  | NEED FOR ACTION                                                                                                              | ACTION (FINANCIAL RESOURCES)                                                                                |
|------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| RO12 | No water level forecast covering the entire Romanian Danube | Support geographical extension of the existing forecast to further gauges and continuous improvement of the forecast quality | Forecast for 3 days published daily on: ACN website, Danube FISPORTAL, WAMOS<br><br>Finance: FAIRway Danube |

<http://mail.acn.ro:8987/wrm/notskipp.php>

<https://www.danubeportal.com/en/waterLevel/filterWRM>

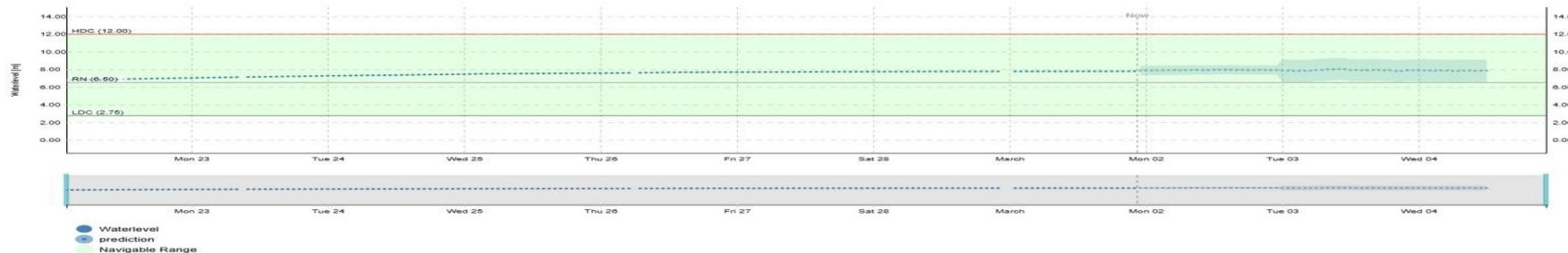
Nivelul apei pe CDMN

| Locatie   | Km   | Nivel | Variata/1h | +24h  | +48h  | +72h  | Data       | Ora   |
|-----------|------|-------|------------|-------|-------|-------|------------|-------|
| NAVODARI  | 1.0  | 168.5 | 0.000      | 167.3 | 167.9 | 168.4 | 2026-03-01 | 22:00 |
| AGIGEA    | 1.7  | 762.7 | -3.00      | 760.6 | 764.2 | 766.3 | 2026-03-01 | 22:00 |
| OVIDIU    | 4.7  | 753.7 | -1.80      | -     | -     | -     | 2026-03-01 | 22:00 |
| CERNAVODA | 12.2 | 778.8 | -0.20      | -     | -     | -     | 2026-03-01 | 22:00 |
| MURFATLAR | 24.8 | 740.1 | -1.70      | -     | -     | -     | 2026-03-01 | 22:00 |
| MEDGIDIA  | 37.4 | 752.9 | -1.10      | -     | -     | -     | 2026-03-01 | 22:00 |
| SPC-Aval  | 59.4 | 754.0 | 0.200      | -     | -     | -     | 2026-03-01 | 22:00 |
| CERNAVODA | 60.3 | 778.8 | -0.20      | 779.1 | 780.3 | 781.9 | 2026-03-01 | 22:00 |

<https://www.wamos.org/#/>



WATERWAY GAUGE CERNAVODA-CANAL: Waterlevel (2/22/2026 - 3/4/2026)



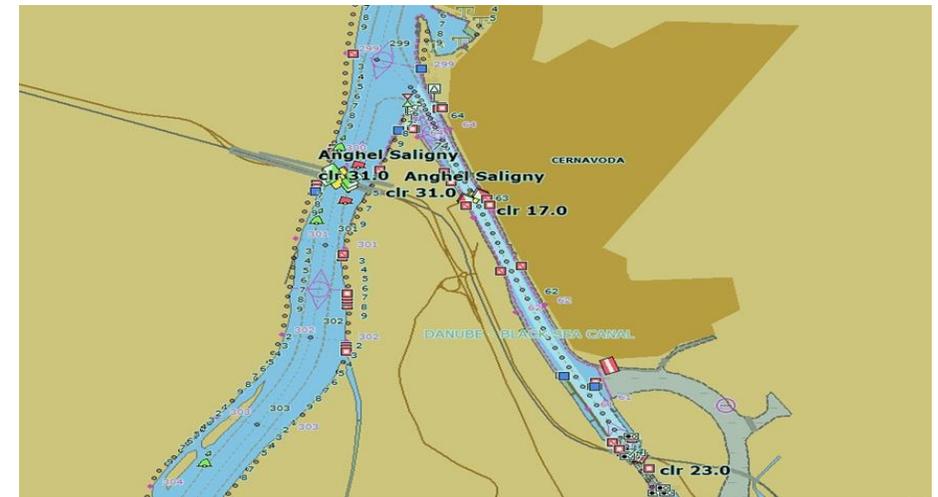
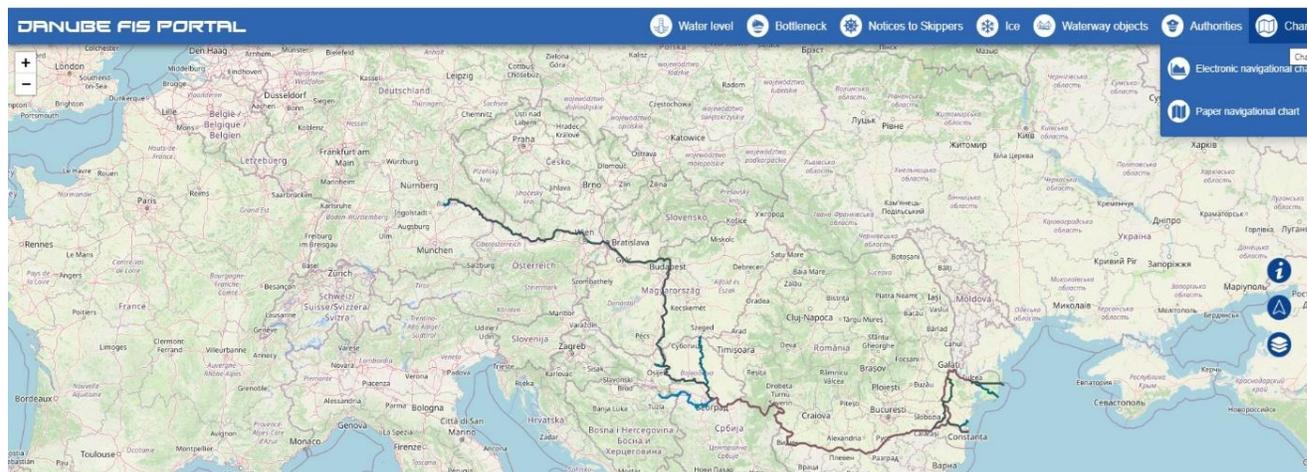
# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

|      | KEY ISSUES                                                                                                                                          | NEED FOR ACTION                                                                                                                    | ACTION (FINANCIAL RESOURCES)                                                                                                                               |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R013 | User information should be provided customer-friendly using established river information portals<br>Bathymetric data is not available in the IENCs | Support customer-friendly processing and dissemination of information<br>Support the upgrade of IENCs with bathymetric information | Bathymetric information transfer to AFDJ (national responsible) in order to modify the IENC charts<br><br>Developed in NEWADA duo/updated in Danube STREAM |

<https://www.danubeportal.com/en/charts/electronicChart/RO>

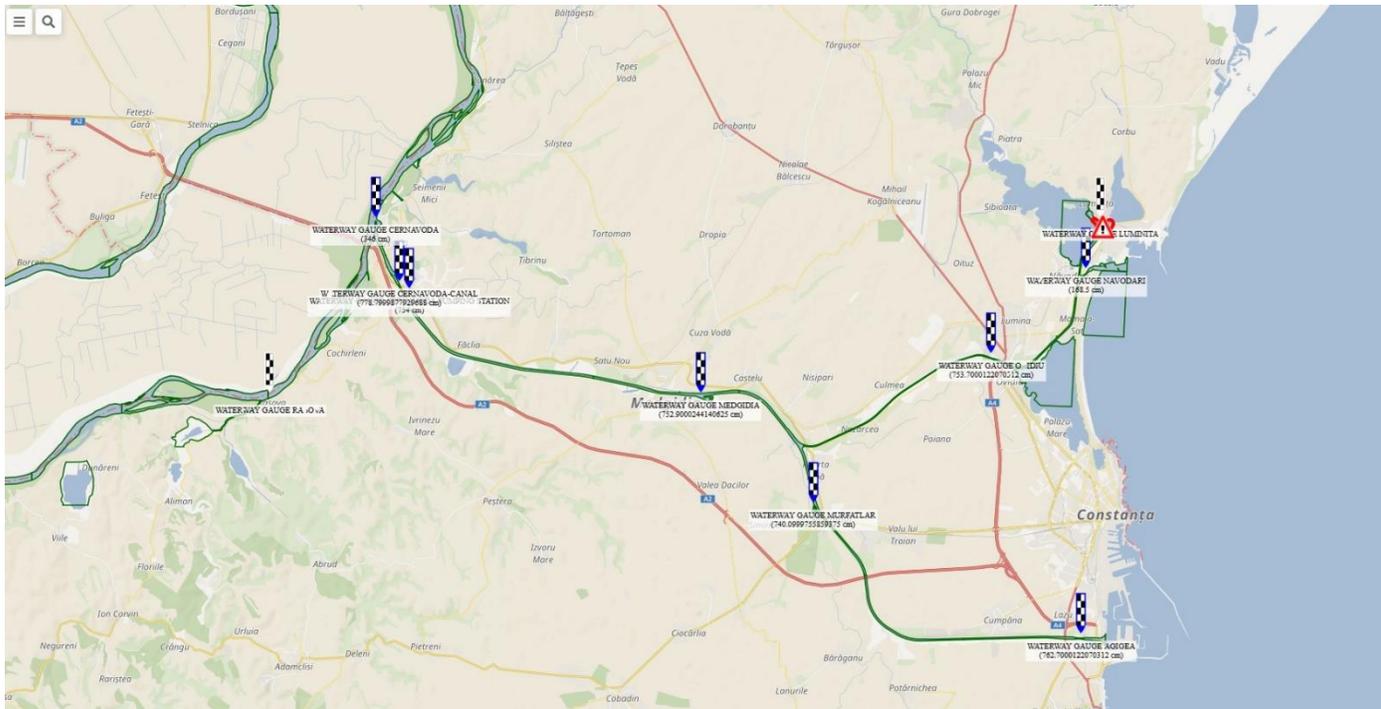
<https://www.acn.ro/index.php/ro/scurta-prezentare/harti-electronice>



# Planned activities in 2026

*According Fairway Rehabilitation and Maintenance Master Plan 2022 and the Recommendations of the Danube Commission on minimum requirements for standard fairway parameters, hydrotechnical and other improvements on the Danube (2013)*

|      | KEY ISSUES                                          | NEED FOR ACTION                                   | ACTION (FINANCIAL RESOURCES)                                                                       |
|------|-----------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------|
| R014 | Insufficient number and quality of weather stations | Support improvement of meteorological information | Procurements for upgrade 2 gauging stations with meteo sensors<br><br>Planned in FAIRway Danube II |



# Operational expenditures 2025 /foreseen in 2026

| Need area                                                       | Operational expenditures 2025 [€] | Required operational budget 2026 [€] | Secured operational budget 2026 [€] | Remaining financing gap 2026 [€]* |
|-----------------------------------------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|-----------------------------------|
| Minimum fairway parameters (width/depth) – maintenance dredging | 0                                 | 1.785.715                            | 0                                   | 1.785.715                         |
| Surveying of the riverbed                                       | 9.619                             | 10.552                               | 0                                   | 10.552                            |
| Water level gauges                                              |                                   |                                      |                                     | -                                 |
| Marking of the fairway                                          | 1.566                             | 10.914                               | 0                                   | 10.914                            |
| Availability of locks / lock chambers                           | 8.229.201                         | 8.977.786                            | 0                                   | 8.977.786                         |
| Information on water levels and forecasts                       | -                                 | -                                    | -                                   | -                                 |
| Information on fairway depths                                   | -                                 | -                                    | -                                   | -                                 |
| Information on marking plans                                    | -                                 | -                                    | -                                   | -                                 |
| Meteorological information                                      | -                                 | -                                    | -                                   | -                                 |
| Other needs*                                                    | 338.678                           | 468.252                              | 59.842                              | 419.094                           |
| <b>Sum [€]</b>                                                  | <b>8.579.064</b>                  | <b>11.253.219</b>                    | <b>59.842</b>                       | <b>2.204.809</b>                  |

\*other needs –RoRIS-ACN , water quality management system

# Upgrade of infrastructure for mooring operations

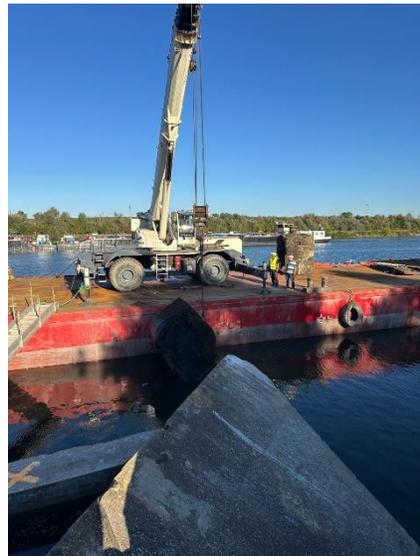
## (Port Basarabi, right bank, Danube-Black Sea Canal)

Current status:

- Cleaning of wild vegetation 100%



- Removal of concrete element from the water 100%



# Upgrade of infrastructure for mooring operations

## (Port Basarabi, right bank, Danube-Black Sea Canal)

➤ Bank protection rehabilitation 60%



➤ Electricity cable route execution 90%



# WP5 Upgrade of infrastructure for mooring operations

## (Port Basarabi, right bank, Danube-Black Sea Canal)

➤ Dredging works – 100%



➤ Walkway & railing restoration 40%



# Upgrade of infrastructure for mooring operations

## (Port Basarabi, right bank, Danube-Black Sea Canal)

- *Superstructure restoration for Duc D'albi -10%*



- *Shore access facilities – upcoming*
- *Mooring/docking system- upcoming*
- *Lighting system for mooring area- upcoming*
- *Supply of electricity to convoys, on demand- upcoming*
- *Finalization of works – 14.07.2026(estimated)*

# Upgrade of infrastructure for mooring operations

*(Port Medgidia; right bank, Danube – Black Sea Canal)*

*Current status*



*Achievements until now*

- Urban certificate issued
- All permits according urban certificate obtained
- Acquisition procedure for Design & works contract November 2025 - on going
- Elaborate technical design and obtain building permit - upcoming
- Execution of works - upcoming



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*Thank you for your attention!*

**Moren ABDURAFI**

Head of  
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Phone: +40 732 669661



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*Thank you for your attention!*



FAIRway Danube II  
LinkedIn



FAIRway Danube II  
Website

**Moren ABDURAFI**

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Projects/ Investments Department

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