



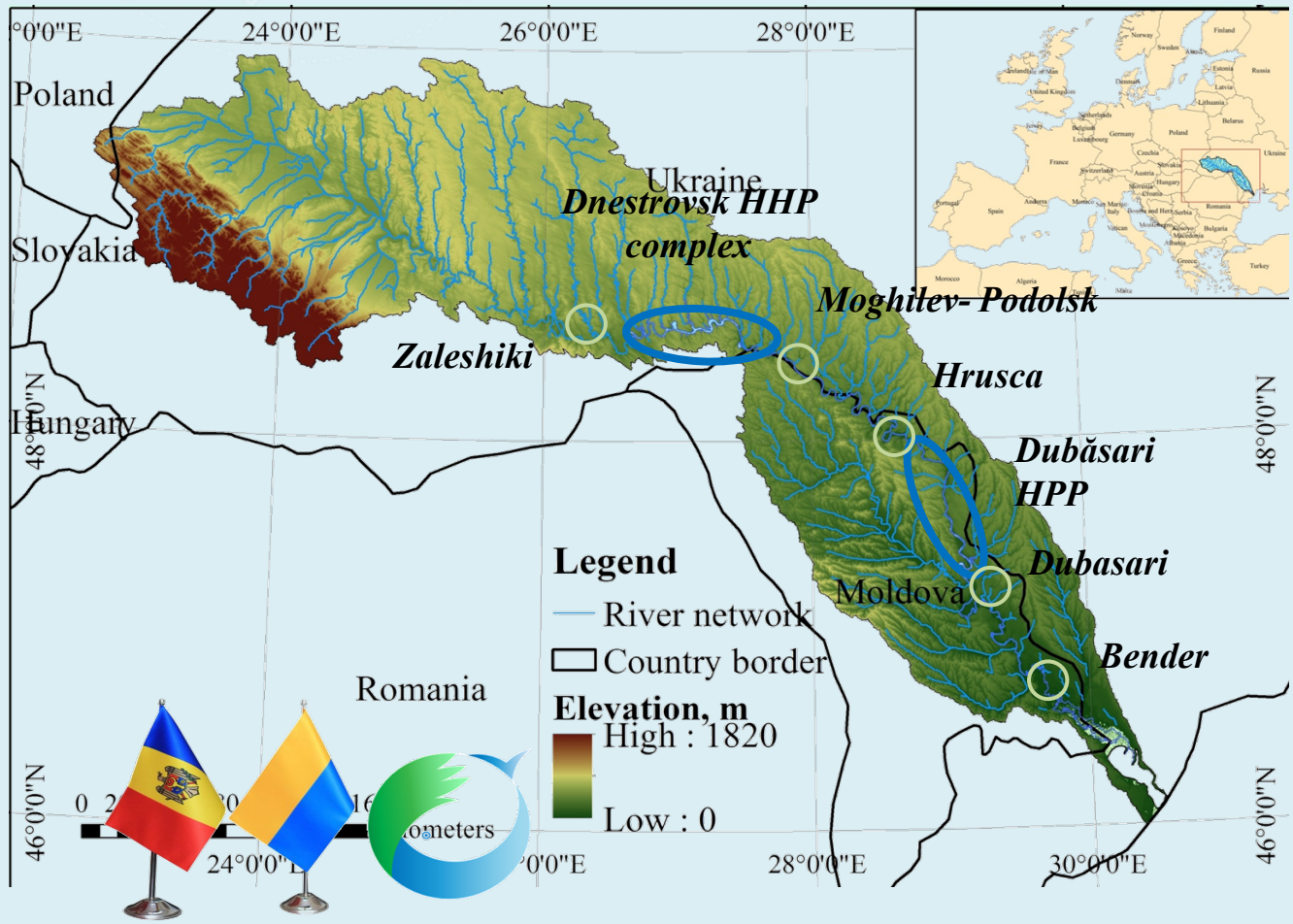
# 20<sup>th</sup> Anniversary EURO-INBO/MENBO 21<sup>st</sup> International EURO-INBO Conference 12<sup>th</sup> MENBO General Assembly



## Transboundary cooperation in the Dniester River Basin

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# The Dniester River Basin

## The Dniester River is

- the 9<sup>th</sup> river in Europe according to the length
- the 4<sup>th</sup> river in Ukraine
- the first in the Republic of Moldova
- 8 mil. Inhabitants (2.74 mil. in Moldova, 5 mil. in Ukraine)

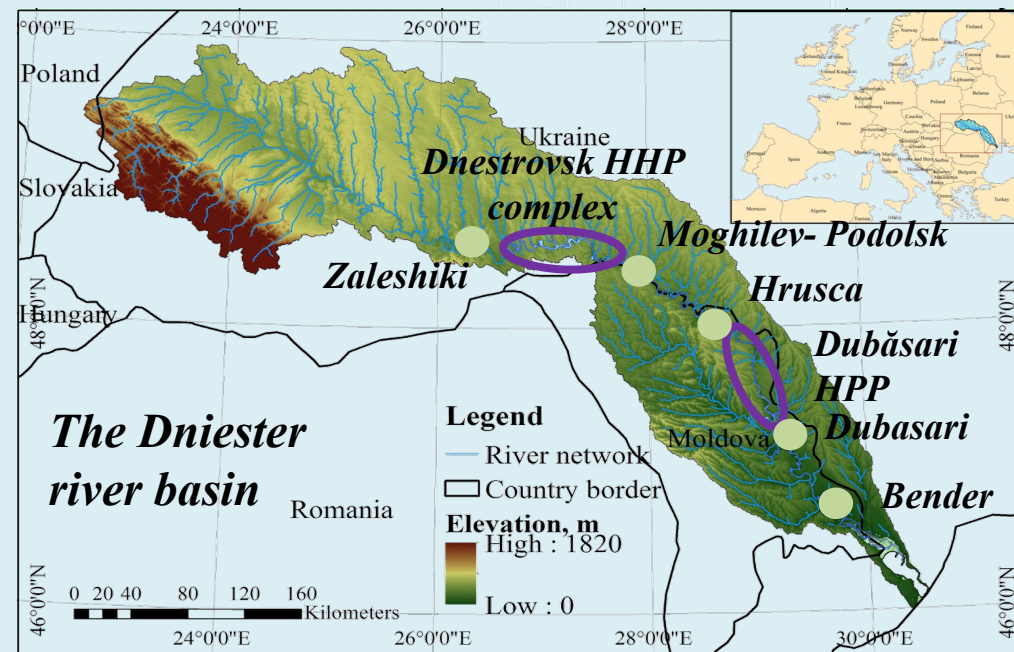
## River characteristics

River length - 1360 km

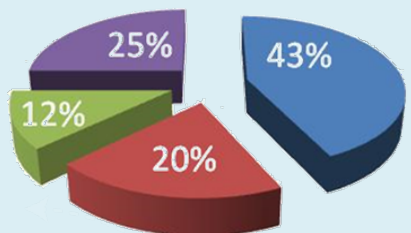
River basin - 72100 km<sup>2</sup>

River discharge - 303 m<sup>3</sup>/s

Water volume of - 9,6 km<sup>3</sup>

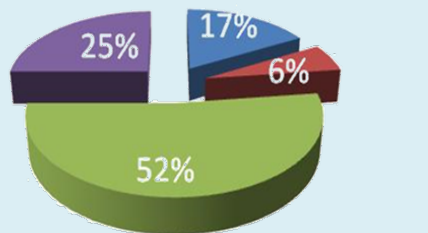


The Dniester River



■ arable    ■ forest  
 ■ settlements    ■ other

Land cover



■ domestic    ■ agriculture  
 ■ industry    ■ other

Water use

Source: TDA





## The Commission on Sustainable Use and Protection of the Dniester River Basin



The Commission on Sustainable Use and Protection of the Dniester River Basin (the Dniester Commission) was established under the Treaty between the Government of the Republic of Moldova and the Cabinet of Ministers of Ukraine on Cooperation in the Field of Protection and Sustainable Development of the Dniester River Basin (Moldovan, Ukrainian), which was signed in Rome on 29 November 2012.

The Dniester Commission is a body for intergovernmental cooperation between the Republic of Moldova and Ukraine in the area of protection, sustainable use and development of the Dniester River Basin.

Its main objective is to implement measures aimed at achieving the rational and environmentally sound use and protection of water and other natural resources and ecosystems of the Dniester River Basin in the interests of the population and sustainable development of the states.





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## The Commission on Sustainable Use and Protection of the Dniester River Basin

<https://dniester-commission.com>

### Meetings

28-29 October 2021 The third meeting of the bilateral Dniester Commission in Orhei

4-5 April 2019 The second meeting of the bilateral Dniester Commission in Kyiv

17 September 2018 The first meeting of the Commission took place in Chisinau

5 April 2018 A preparatory meeting of the Commission took place in Chisinau

### Working groups

1. Strategic Working Group (core group);
2. Working Group on Ecosystems and Biodiversity;
3. Working Group on Monitoring and Information Exchange;
4. Working Group on River Basin Planning and Management;
5. Working Group on Emergencies.
6. Working Group on legal framework







## The Commission on Sustainable Use and Protection of the Dniester River Basin Fields of cooperation

### Working Group on River Basin Planning and Management

- Management Plan for the Dniester River Basin
- hydrological situation in the Dniester basin
- Spring ecological flood release
- Rules of the Dniester Hydropower Complex functioning
- platform DniesterGIS.
- the Dniester Day etc.

### Working Group on Monitoring and Information Exchange

- Monitoring of waters in the Dniester river basin: hydrological, biological, chemical monitoring, groundwater monitoring
- Information exchange on water monitoring
- Assessment of ecological status of water bodies
- Regulation on cooperation in the field of monitoring and exchange of information

### Working Group on Emergencies

- emergency situations.
- common actions regarding monitoring and forecasting of emergency situations
- information exchange in case of emergencies
- flood hazard/risk areas and on development / implementation of flood risk management plans

### Working Group on Ecosystems and Biodiversity

- Spring ecological flood release
- Invasive species
- Restoration of old river beds
- Fishery and poaching
- Forest management, afforestation and reforestation
- national nature parks and Emerald network



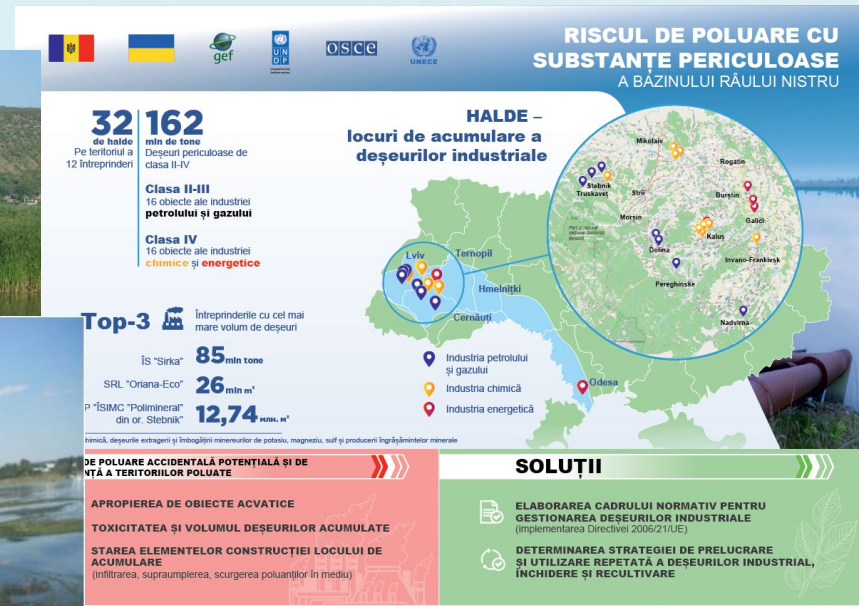
# The Commission on Sustainable Use and Protection of the Dniester River Basin

## Challenges

### Water pollution and biodiversity losses

#### Causes

- Point sources of pollution
- Lack / insufficiency of wastewater treatment plants
- Diffuse water pollution
- Agriculture
- Livestock farms,
- Waste dumps
- Tailings storage facility
- Habitat disturbance
- Invasive species
- Climate change
- Hydropower
- Poaching
- Pollution







**The Commission on Sustainable Use and Protection of the Dniester River Basin**

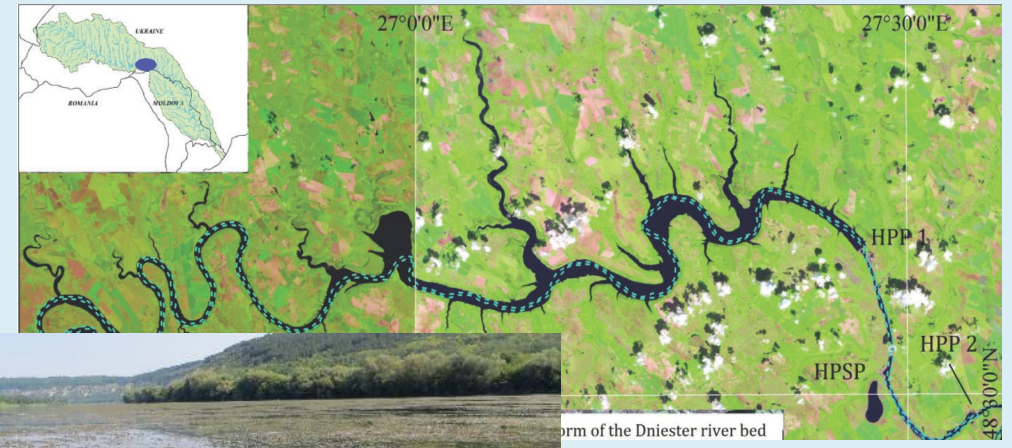
**Challenges**

**Hydromorphological alteration and hydropower**

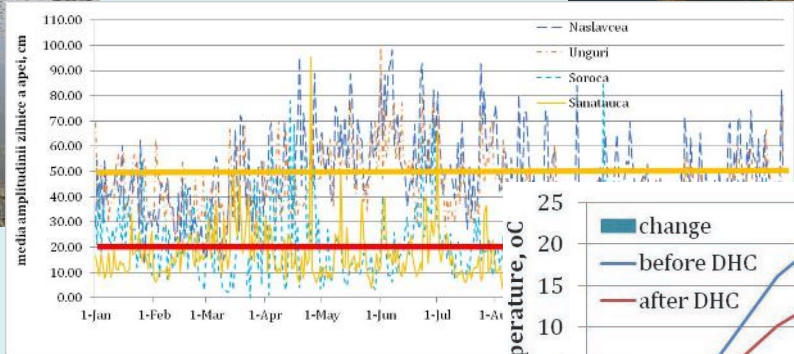
**Dniester Hydropower Complex**

**Effects**

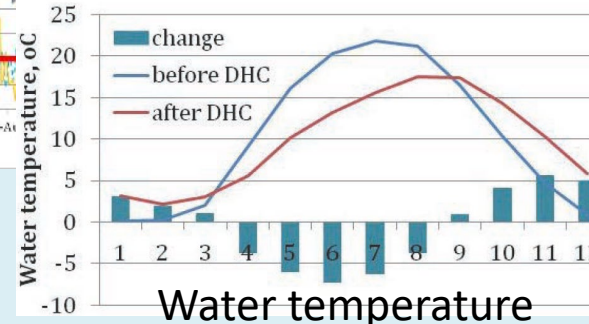
- Hydropeaking effect
- Decrease of water temperature
- Increase of minimum flow
- Decrease of maximum flow and sediments
- Changes in spring flood – important for ecosystems
- Increase of macrophyte-coated surfaces
- Decrease of zooplankton and zoobenthos
- Decrease of water purification function
- Decrease of tourism and impact on agriculture



macrophyte-coated surfaces



daily amplitude of the water level







# The Commission on Sustainable Use and Protection of the Dniester River Basin

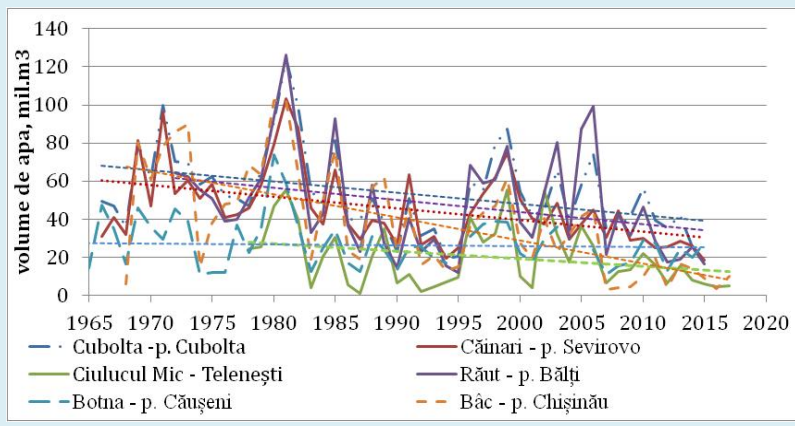


## Challenges

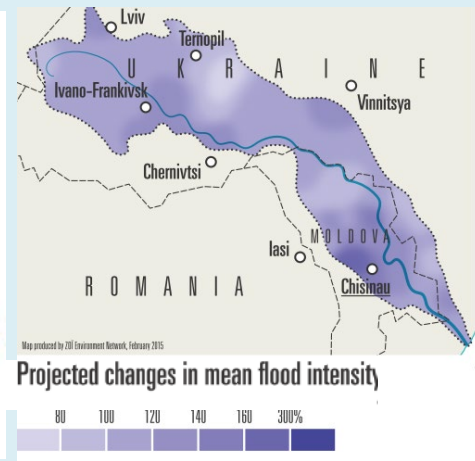
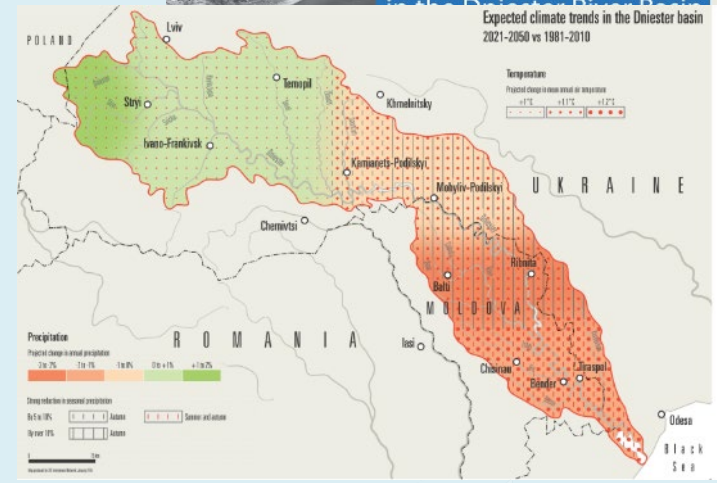
### Climate change

#### Effects

- Increasing frequency and intensity of droughts
- Increasing frequency and duration of floods
- Reduction of surface and groundwater
- Reduction of biodiversity
- Increasing need of water resources
- Increasing vulnerability of agriculture and industry
- Increasing vulnerability of population



Decrease of water flow





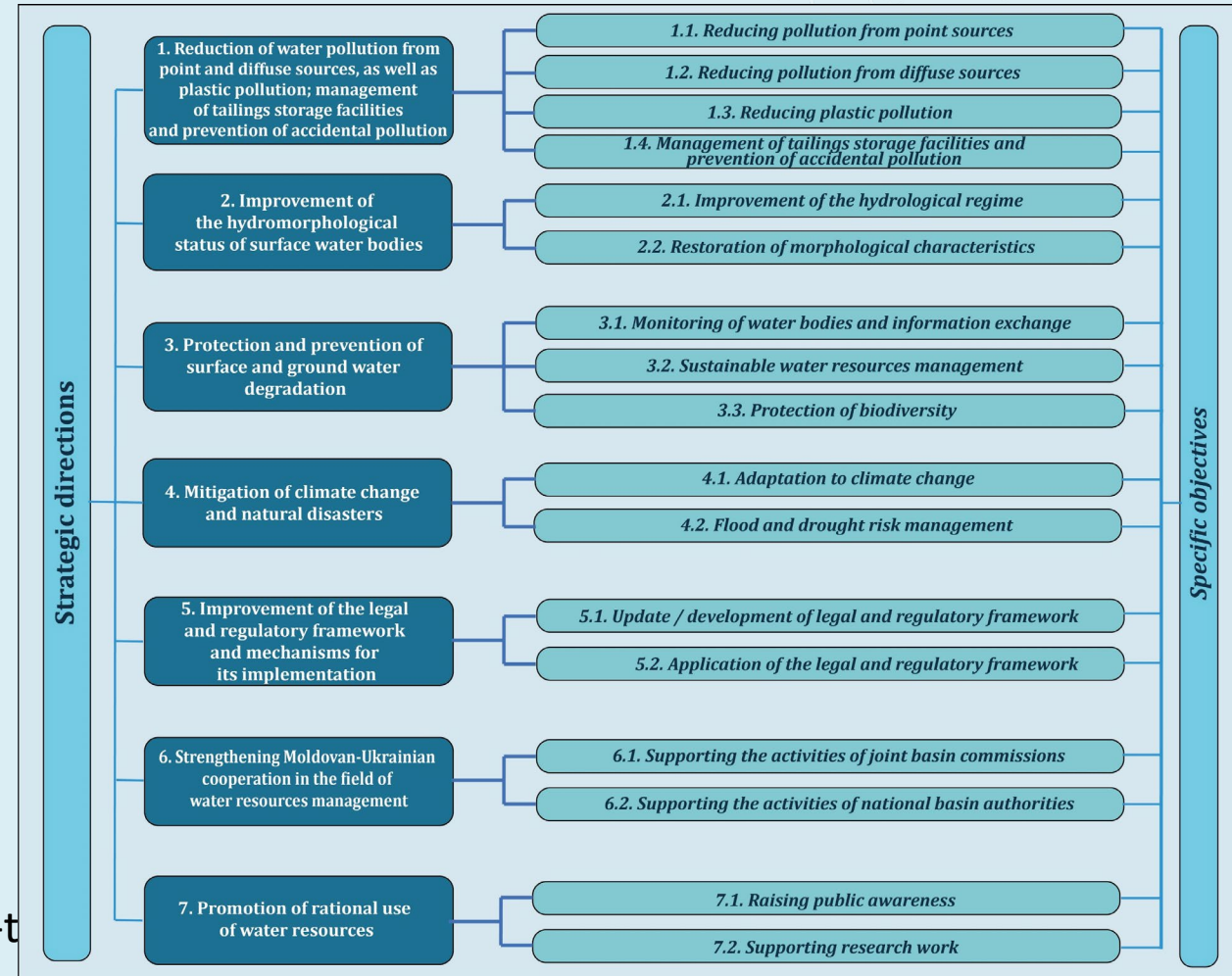
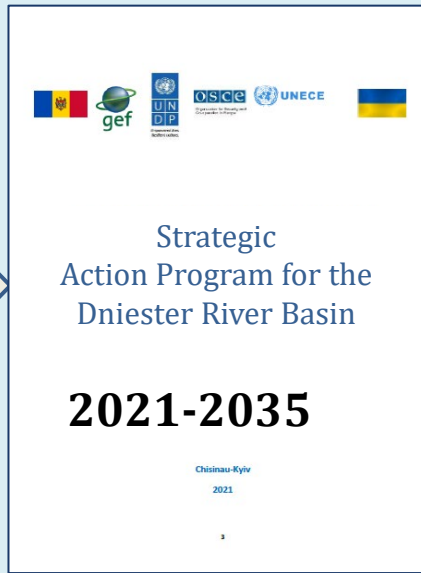
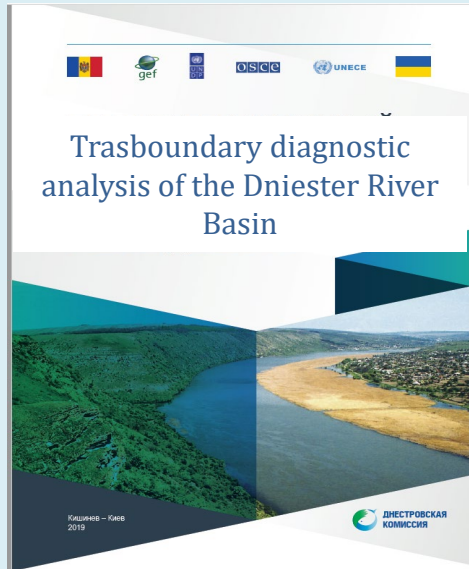


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## The Commission on Sustainable Use and Protection of the Dniester River Basin

### Achievements



<https://dniester-commission.com/en/news/a-joint-statement-on-t-for-2021-2035-signed/>

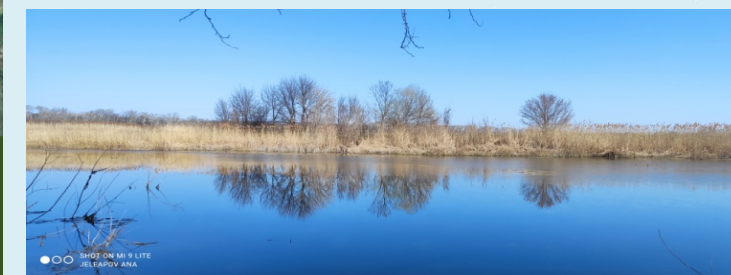




# The Commission on Sustainable Use and Protection of the Dniester River Basin

## Achievements

- ✓ Rehabilitation of river segment „Old Dniester”(oxbow)
- ✓ Rehabilitation of Yagorlyc River
- ✓ The "Lower Dniester" National Park was created: Law MD no. 71 of 31.03.2022
- ✓ Evaluation of ecosystems services was performed
- ✓ Afforestation and riparian buffers planting
- ✓ pedestrian tourist routes were identified and arranged
- ✓ Promotion of integrated management implementation







**The Commission on Sustainable Use and Protection of the Dniester River Basin**

**Achievements**

- ✓ Dniester Day
- ✓ Basin-wide contest of creativity “Colours of the Dniester”
- ✓ Youth summer school “Dniester-2023”
- ✓ Dniester young ambassador
- ✓ Trainings, excursions, workshops etc.







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Thank you for attention!



Mulțumesc pentru atenție!!



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