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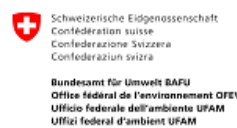
Global Workshop
on Droughts in Transboundary Basins
26-27 February 2024, Geneva



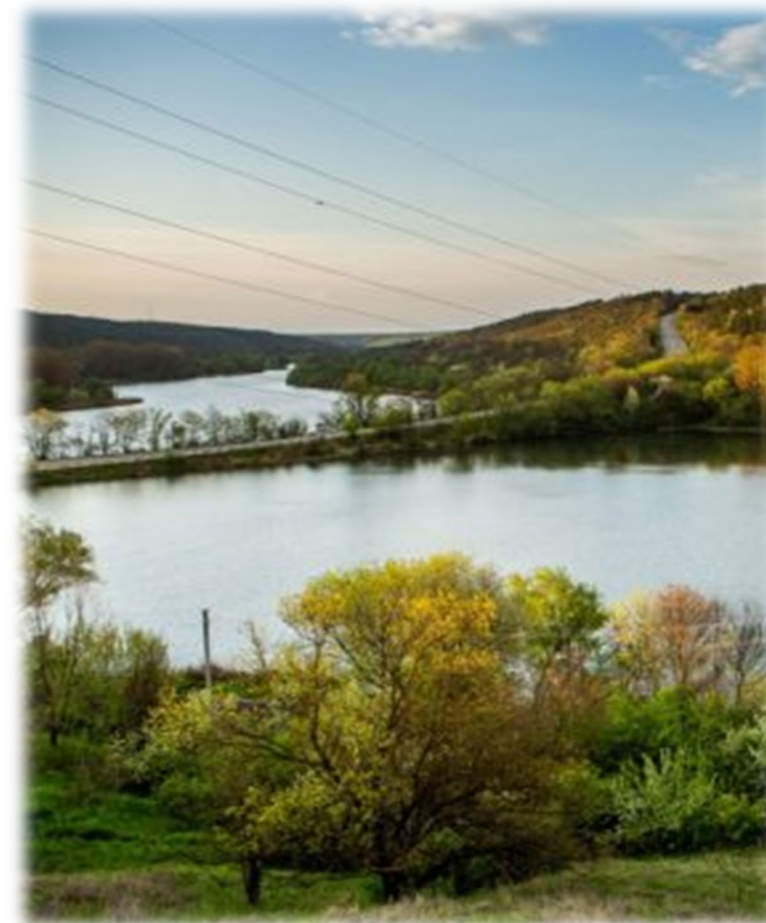
Drought management planning in transboundary basins: Dniester River case

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Dniester River Basin



Legal Framework



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Agreement on cooperation for the Protection and Sustainable Development of the Dniester River Basin between the Government of the Republic of Moldova and the Cabinet of Ministers of Ukraine (Rome, 29 November 2012)

Areas of cooperation relevant to drought management:

- Development and implementation of joint and coordinated Dniester River basin management plans, projects and measures for utilization, protection and rehabilitation of water and other natural resources and ecosystems of the Dniester River basin (*art.5*);
- Distribution of water resources of the Dniester River basin between the Contracting Parties (*art. 9*);
- Regulation of water flow in the Dniester River Basin (*art. 10*);
- Prevention of effects of emergencies (*art. 15*).



Institutional Framework



SAVE THE DNIESTER RIVER TOGETHER
Dniester Commission

The Commission on Sustainable use and Protection of the Dniester River Basin

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



Bilateral Strategic Framework



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Strategic Framework for Adaptation to Climate Change in the Dniester River Basin



Strategic Framework for Adaptation to Climate Change in the Dniester River Basin and groups of proposed measures

| Risk forecasting and analysis measures | Risk prevention and reduction measures | Remediation measures |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reduction in losses from extreme flooding | | |
| <ul style="list-style-type: none"> ● improved monitoring and forecasting of flow and information sharing ● inventory of flood protection infrastructure ○ analysis and mapping of flood risk | <ul style="list-style-type: none"> ● updating and observance of rules for the operation of the Dniester's system of reservoirs ● updating of flood protection plans ● restoration and optimization of the system of flood protection structures and culverts | <ul style="list-style-type: none"> ● providing the public and local authorities with timely information about the flood risk ○ updating and implementation of emergency response plans ○ insurance of risks (including insurance provided with government support) |
| Reduction in losses from water scarcity | | |
| <ul style="list-style-type: none"> ● analysis of the water balance in the basin ● improved monitoring and forecasting of flow and information sharing ● assessment and monitoring of the condition of forests | <ul style="list-style-type: none"> ● updating and observance of rules for the operation of the Dniester's system of reservoirs ● protection and restoration of forests and shoreline vegetation ○ optimization of the regulation of flow at the local level ○ reduction in water consumption and losses | <ul style="list-style-type: none"> ○ modernization of irrigation systems ○ diversification and modernization of water supply systems for population centres ○ insurance of risks (including insurance provided with government support) |
| Reduction in losses from a deterioration in water quality | | |
| <ul style="list-style-type: none"> ● improved monitoring and forecasting of flow and information sharing ● improved monitoring of water quality | <ul style="list-style-type: none"> ● improvement of wastewater treatment systems ● protection and regulation of the use of catchment basins and water protection zones | <ul style="list-style-type: none"> ○ improvement of water treatment and distribution systems ○ diversification and modernization of water supply systems for population centres |
| Support for and restoration of aquatic and wetland ecosystems and species | | |
| <ul style="list-style-type: none"> ● analysis of ecosystem services at the basin level ● improved monitoring of ecosystems and biological resources and transboundary information sharing | <ul style="list-style-type: none"> ● updating and observance of rules for the operation of the Dniester's system of reservoirs ○ regulation of activities within floodplains and wetlands ○ expansion and strengthening of the network of protected areas and ecological corridors ○ combating poaching and invasive species | <ul style="list-style-type: none"> ○ restoration of shoreline forests, meadows and wetlands ○ restoration of habitats, spawning grounds and fish stocks |
| General measures for adaptation and development of cooperation in the basin | | |
| <ul style="list-style-type: none"> ● systematic analysis and forecasting of climate change and its impacts in the Dniester basin | <ul style="list-style-type: none"> ● consideration of adaptation needs in long-term Integrated Water Resources Management (IWRM) plans ● providing information about climate change problems in the basin ○ inclusion of adaptation needs in socioeconomic development plans for sectors and territories | |

Bilateral Strategic Framework: SAP 2021-2035

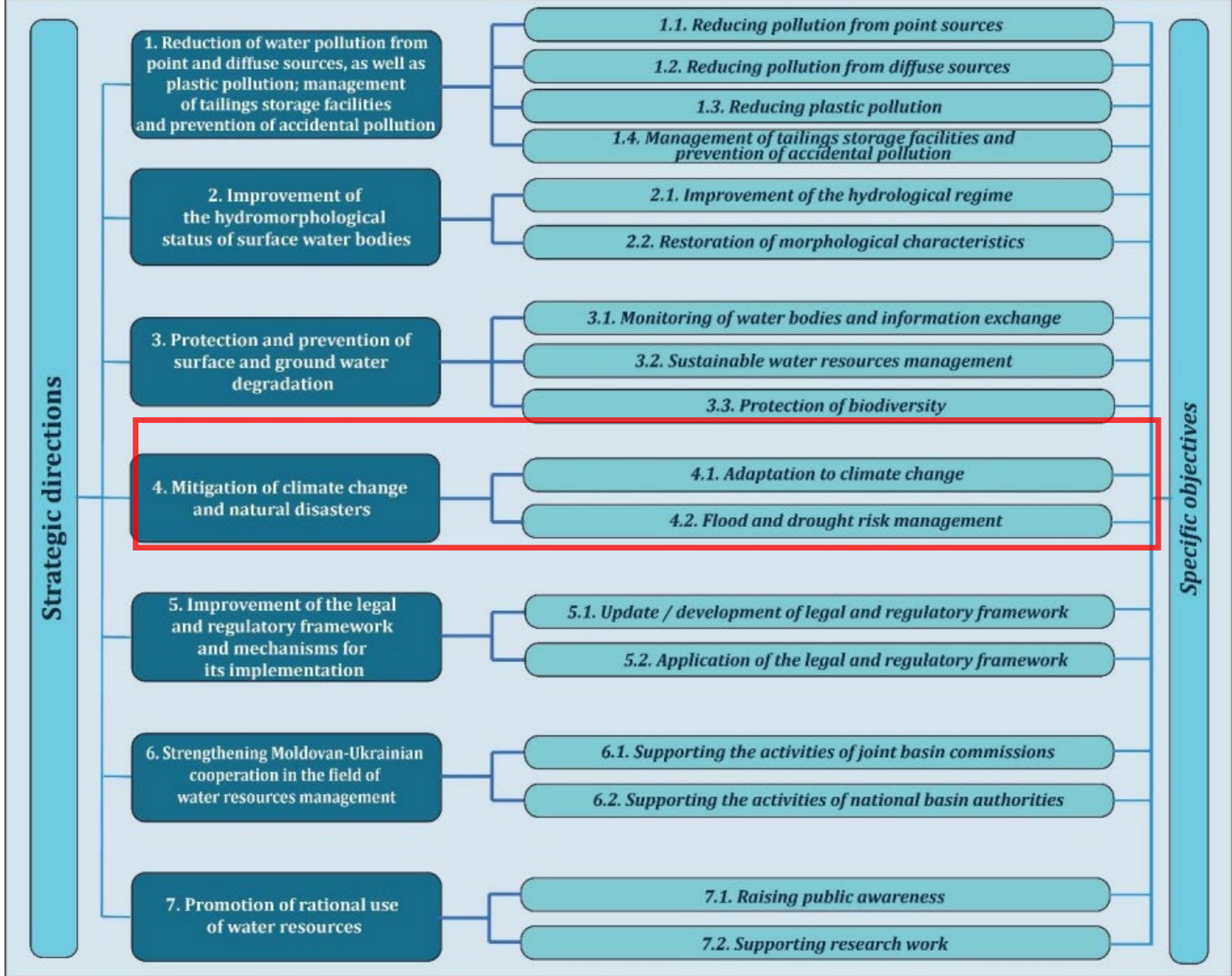


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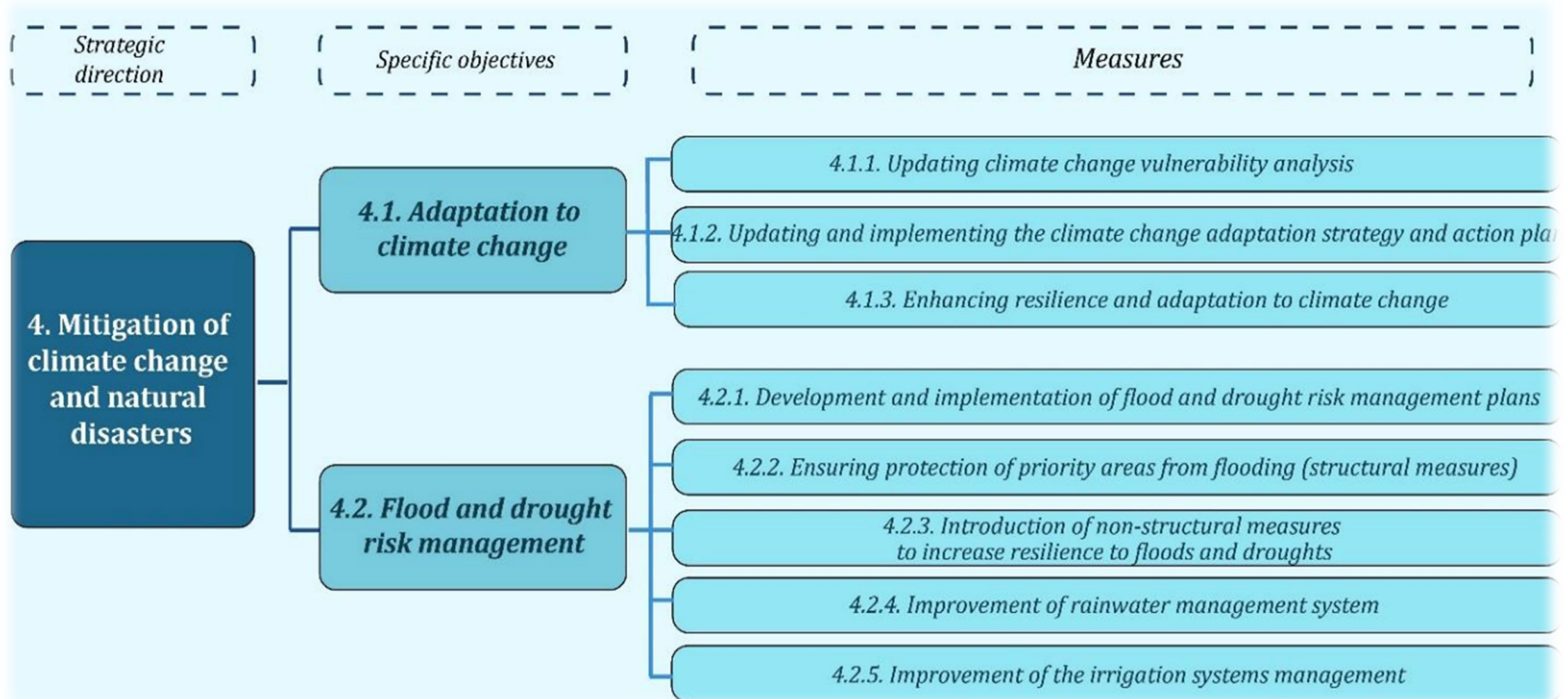


Strategic Action Programme for the Dniester River Basin 2021-2035

Chisinau-Kyiv
2021



Bilateral Strategic Framework: SAP 2021-2035



National Strategic Framework: Dniester River Basin Management Plans

Dniester River Basin Management Plan for the period 2017-2022 (cycle I)

- *Measure 1.1.2* Development of the Drought Management Plan for the Dniester River Basin
- *Measure 1.3.6* Analysis of the basin climate change and their impacts on water resources vulnerability
- *Measure 1.3.4* Strengthening the capacities of the LPA and regional development agencies, NGOs, on Dniester River basin management
- *Measure 1.3.9* Facilitate efficient functioning of the sub-basin committees
- *Measure 1.3.13* Annual campaigns on rational water use in rural households

Dniester River Basin Management Plan for the period 2024-2029 (cycle II)

Under development



National Strategic Framework: National Climate Change Adaptation Program until 2030



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- *Measure 5.6.5.* Increase the level of water recycling for industrial and domestic needs; promote cleaner production practice
- *Measure 5.6.7.* Adopt better water demand management measures by reinstatement of use of existing relevant instruments (rainwater harvesting, run-off accumulation basins, etc.)
- *Measure 5.6.8.* Integrate CC resilience aspects (flood and drought risks) into the design of water treatment and wastewater treatment facilities
- *Measure 2.4.5.* Development of climate risks scenarios and assessment of the impact on vulnerable regions and priority sectors
- *Measure 4.2.1.* Mapping settlements vulnerable to flooding, landslides and other climate hazards
- *Measure 4.2.2.* Develop, test and improve early warning systems and mechanisms for disaster risks communication



National Strategic Framework: National Forest Extension and Rehabilitation Program for the period 2023-2032



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Measure 1.3. Establishment of forest curtains and afforestation of riparian protection strips

- 1.3.1. Identification and allocation of land for the establishment of forest curtains and afforestation of riparian strips (12080 ha)
- 1.3.2. Development of execution projects for the establishment of forest curtains and the afforestation of riparian strips
- 1.3.3. Land preparation and tillage for planting (12080 ha)
- 1.3.4. Growing the planting material (66440 thousand pieces) to ensure the recovery/reconstruction of 12080 ha
- 1.3.5. Establishment of protective forest curtains and afforestation of riparian strips, including by planting forest species on an area of 12,080 ha





**National Strategic
Framework: National
Forest Extension and
Rehabilitation
Program for the
period 2023-2032**

In 2023:

**•29,7 thousand ha
identified**

•5331 ha planted



Thank you for your attention!



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