

EUSDR Priority Area 5 Environmental Risks

# **Project of Strategic Importance**

## **Danube Risk Prevention (Danube RISK)**

EUSDR EMBEDDING WEEK

A more resilient Danube Region

SO 2.4 # Climate change adaptation # Flood and Disaster Management

14 July 2022

# Specific Objective:

Promoting climate change adaptation and disaster risk prevention, resilience, taking into account ecosystem-based approaches

# Intervention fields

059 - Adaptation to climate change measures and prevention and management of climate related risks: floods and landslides (including awareness raising, civil protection and disaster management systems, infrastructures and ecosystem based approaches)

060 - Adaptation to climate change measures and prevention and management of climate related risks: others, e.g. storms and drought (including awareness raising, civil protection and disaster management systems, infrastructures and ecosystem based approaches)



# Partners, budget and duration

## **From Romania:**

- Ministry of Environment, Waters and Forests –Lead Partner
- National Administration Romanian Waters

## **From Bulgaria:**

- Ministry of Environment and Water
- Danube River Basin Directorate

**Estimated budget:** 14 millions Euro

**Duration:** 36 months



# Main proposed activities

- Development of a Strategy for Adapting Water Management in the Transboundary Region (BG-RO) to Climate Change and to the associated risks (floods, hydrological droughts, pollution) in relation with sustainable development
- Development of an Implementation Program for Adapting water management to climate change and to the associated risks (floods, hydrological droughts, pollution)- in a transboundary context and at national level
- Implementation of activities in pilot areas (pilot areas for natural water retention measures, wetlands and floodplain conservation and restoration and other green/win-win measures)
- Monitoring activities – strengthening the knowledge about climate risks and impacts and the technical capacity for intervention and monitoring risks
- Establishment of an Training Centre for Water Management Risks

# Specific proposed activities (1)

- Development of a Strategy for Adapting Water Management in the Transboundary Region (BG-RO) to Climate Change and to the associated risks (floods, hydrological droughts, pollution)
- Development of an Implementation Program for Adapting water management to climate change (based on the strategy) and to the associated risks (floods, hydrological droughts, pollution)- in a transboundary context (BG-RO) and at national level
- Development of a Catalogue of measures for adapting water management to climate change - a practical tool to support implementing institutions
- Development of a program for adaptation to climate change, incl. program of measures based on the ecosystem approach
- Awareness raising and training stakeholders on the effects of climate change and the impact of green measures as means of mitigating it

# Specific proposed activities (2)

- Dykes' measurements and scanning investigations for expertise and pre-feasibility studies of nature-based solutions in pilot areas
- Practical implementation of green/win-win measures in the pilot areas to mitigate the effects of climate change, incl. measures for natural water retention - floodplain restoration in the selected areas
- Development of a system for monitoring and evaluation of the effect of the implemented measures in the pilot areas
- Preparation of guidelines for development of a program of measures for adaptation to climate change through ecosystem approach at regional level and a system for evaluation of the effect of the measures
- Preparation of guidelines for development of a system for monitoring and evaluation of the effect of climate change, incl. monitoring in case of water management risks



# Specific proposed activities (3)

- Preparation of guidelines for development of a system for monitoring and evaluation of the effect of climate change, incl. monitoring in case of water management risks
- Strengthening the capacity for monitoring from quantitative and qualitative point of view for both surface water and groundwater bodies.
- Endowment of the water authorities with necessary intervention materials in case of floods and accidental pollution
- Training of experts for sampling and monitoring in emergency situations
- Construction of a Training Centre for Water Management Risks for training the operational teams in intervention techniques for mitigating risks
- Capacity building of staff/operational teams in intervention techniques

# Expected Results (1)

- **Result 1:** Web-based climate change risk map in the transboundary region (risk of floods, including torrential floods, risk of drought, endangered water dependent ecosystems)
- **Result 2:** Methodology for evaluation of risk of climate change and the related risks and a program for monitoring for risk assessment of climate change and the related risks
- **Result 3:** Catalogue of measures for adapting water management to climate change
- **Result 4:** Program for adaptation to climate change, incl. program of measures based on the ecosystem approach
- **Result 5:** Reports on expertise and pre-feasibility studies for nature-based solutions and sustainable development in pilot areas
- **Result 6:** System for monitoring and evaluation of the effect of the implemented measures in the pilot areas

# Expected Results (2)

- **Result 7:** Guidelines for development of a program of measures for adaptation to climate change through ecosystem approach at regional level and a system for evaluation of the effect of the measures
- **Result 8:** Guidelines for development of a system for monitoring and evaluation of the effect of climate change, incl. monitoring in case of water management risks
- **Result 9:** Endowment with equipment and devices for hydrological and hydrogeological measurements, data storage and reporting, sampling and lab devices for monitoring of parameters in case of pollution/accidental pollution, especially of the water bodies which is the source for drinking water
- **Result 10:** Experts trained for sampling and monitoring in emergency situations
- **Result 11:** Endowment the water authorities with necessary intervention materials in case of floods and accidental pollution
- **Result 12:** Training Centre for Water Management Risks
- **Result 13:** Increased awareness and stakeholders trained on the effects of climate change and and the impact of green measures as a means of mitigating it

# Contribution to the program indicators

- Population benefitting from flood protection measure -1 million
- Population benefitting from protection measures against climate related natural disasters (other than floods or wildfire) - 1 million
- Population benefitting from protection measures against non-climate related natural risks and risks related to human activities 300.000
- Solutions taken up or up-scaled by organizations -1
- Organisations cooperating across borders after project completion -  
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Thank you for your attention ! !

