



Priority Measures for the period of 2022-2026 within the Water Sector Adaptation Plan of the Republic of Armenia

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Water Sector Adaptation Plan (WSAP) and Program of Measures for 2022-2026



Adopted by the Government of Armenia Resolution No 1692-L of November 3, 2022

WSAP - is part of the NAP process

Objective

To support the Government of Armenia to achieve its adaptation objectives for the water sector:

- taking into account the projected impacts of climate change,
- aiming to reduce socio-economic negative consequences, losses and damages, and
- benefiting from emerging opportunities.

WSAP principles

- Balancing risk mitigation and development
- Climate vulnerability and social equity are interconnected
- Ecosystem approach to adaptation
- Multi-hazard approach
- Engagement (participation) and inclusiveness
- Gender approach to adaptation
- Transparency and knowledge transfer
- Climate-aligned financial decision-making and management



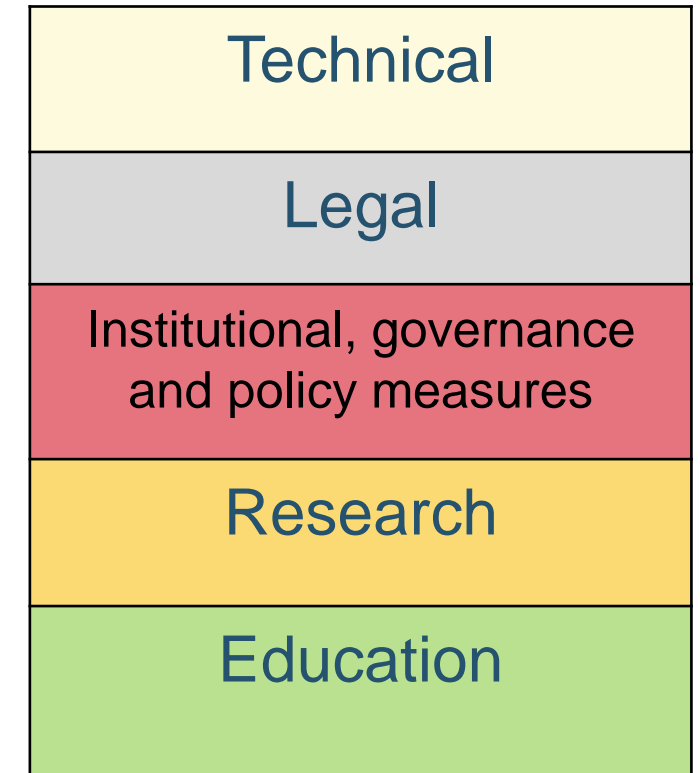
Water Sector Adaptation Plan (WSAP) and Program of Measures for 2022-2026



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Five types of adaptation measures

- Defines the scope of the water sector, water balance and critical assets
- Acknowledges climate change challenges for the water sector
- Defines governance, roles and responsibilities for climate change adaptation
- Provides recommendations for cross-sectoral coordination
- Provides monitoring system and indicators for assessing achievement of adaptation objectives and targets





WSAP and Program of Measures for 2022-2026



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Technical measures:

- Feasibility study, design and commencement of construction of 6 priority reservoirs with a total volume of about 22.6 million m³;
- Upgrade of inefficient irrigation infrastructure to reduce water losses;
- Installation of remote controlled water meters with automatic transfer of data at surface and groundwater abstraction points in Ararat Valley;
- Establishment of new 14 hydrological and 5 meteorological monitoring stations, upgrade of existing ones;
- Application of nature-based solutions for flood risk mitigation.





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Legal measures:

- Mainstreaming climate change into water legislation:
 - Climate change considerations were integrated into Water Code and endorsed by the National Assembly in July, 2022;
- Improving legislative regulations related Lake Sevan aimed at preservation and restoration of the Lake's ecosystem with consideration of climate change impacts;
- Establishing wastewater treatment standards for water re-use and introducing incentive mechanisms for water re-use;
- Reviewing nature use fees and charges.





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Institutional, governance, policy measures:

- Stipulating development and introduction of:
 - flood risk management plans;
 - drought risk management plan;
 - water allocation mechanisms in selected sub-basins;
- Ensuring capacity building for local self-governing bodies, Water User Associations, respective agencies/ institutions.





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Research related measures:

- Developing and/or introducing advanced hydrogeological and hydrological models for strategically important water basins of Lake Sevan and Ararat valley aimed at:
 - Assessing current and projected water balance of Lake Sevan under climate change;
 - Accurate modeling of vulnerability of Ararat Valley's groundwaters resources under climate change, which are under the threat of depletion;
- Developing hydroclimatic database to enable research and vulnerability assessments:
 - Ensuring online access to hydroclimatic database and metadata.





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Education/ awareness raising measures:

- Implementing awareness raising campaigns and capacity building among disadvantaged rural communities with limited access to water supply on advanced water saving agricultural technologies (drip irrigation, sprinklers, rainwater harvesting etc.) and water related disaster risk management;
- Raising awareness of heads of self-serving communities with limited access to drinking water supply on priorities of water sector adaptation measures with consideration of gender approaches.



Thank you!

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