

*WATER RESOURCE MANAGEMENT  
& SUSTAINABLE DEVELOPMENT:  
THE CASE OF KAZAKHSTAN*

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# Outline of the Presentation:

- 1) The overview of regional trends and their impact of water resource management;
- 2) Major challenges in Central Asia & Kazakhstan;
- 3) Action areas and strategy for the promoting integrated approach to water resource management;
- 4) Some activities (the case of [CAR@WAN](#)) and outcomes



# Water Resource Management: Why is it important?



*Water resource management becomes an important and even critical issue at the regional & national levels due to the impact of (a) climate change, (b) environmental degradation & (c) increasing pressure of human activity on the living habitat.*

*In the case of Central Asia – which is land-locked area – water is critically important for economic growth, job creation and reducing poverty*

# Major challenges for Kazakhstan

- Climate change;
- Fragile environment;
- Decline in water resources;
- Volatility of the global and national economies;
- Rising cost of the water resource management;
- Presence of several zones of intensive irrigation and large hydroelectric projects;
- Aging infrastructure;
- Increasing demand in water resources to the economic and population growth;
- Increasing drought risks.



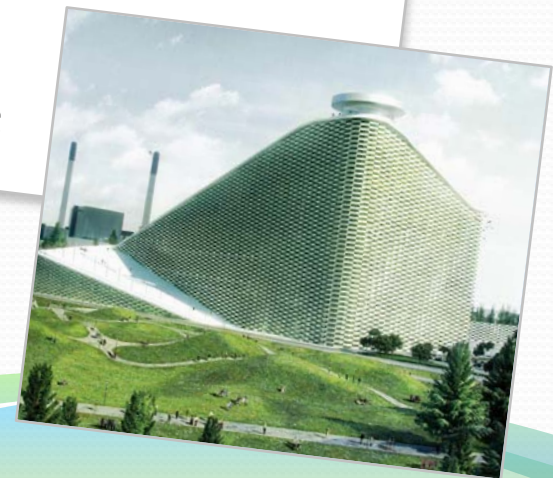
# Central Asia





## ***The overview of the four major scenarios of the impact of climate change on Central Asia & Kazakhstan***

- 1) A significant decline in water resources due to the lower precipitation, increasing demand & decline in water reserves;
- 2) A moderate decline in water resources;
- 3) No changes in the water resources in the region;
- 4) An increase in precipitation and increase in water related natural and man-made disasters

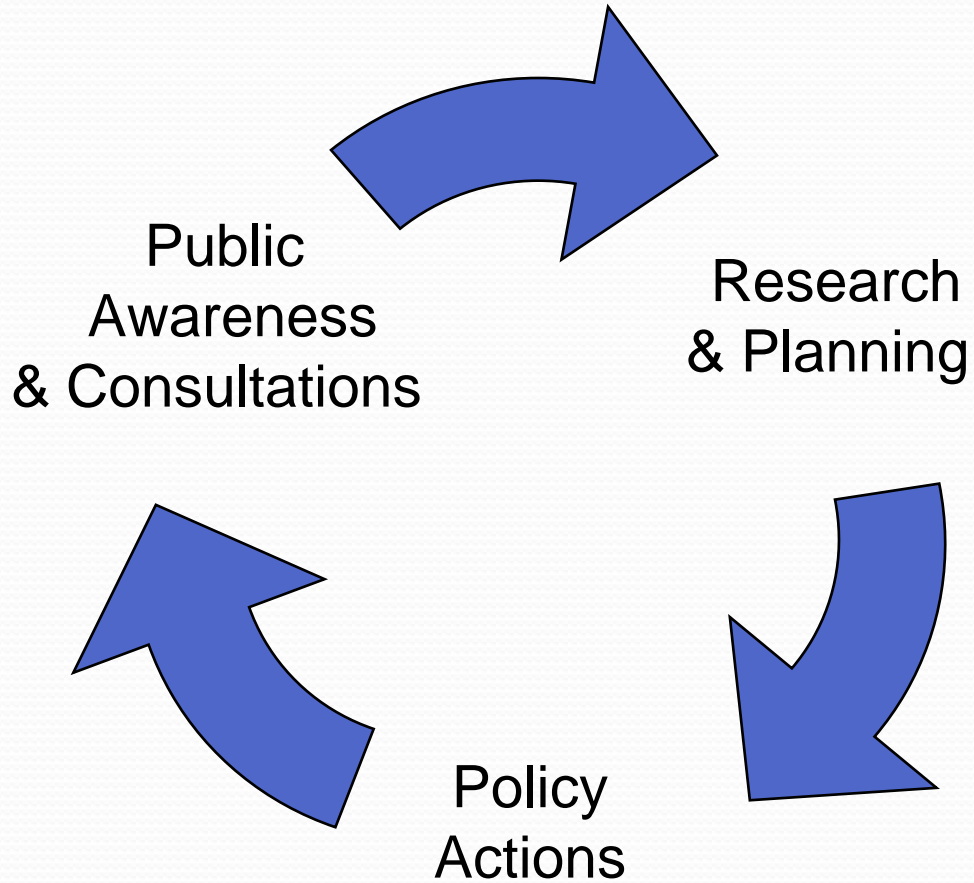




# ***Policy actions***

- Scientific research and strategic planning;
- Public consultations and raising public awareness;
- Policy actions and implementations

# Policy cycle





# **Public policies and National consultations**

- New format of public consultations;
- New format in raising public awareness;
- Active involvement of civil society, including youth and vulnerable and marginalized groups;
- Development of active public position and ownership in the civil society;

# *Activities and outcomes*

- Formulation of policy agenda and future development;
- Identifying priorities;
- Inclusiveness and ownership;
- Active interaction between the government and civil society



# CAR@WAN activities

- Participation in ToT in Netherlands GIS in IWRM in December 2012 (one participant from Kyrgyzstan);
- participation in ToT in Costa-Rica GIS for IWRM in March 2013 (two participants from Kazakhstan);
- participation In ToT Drought in Mexico in June 2013;
- participation in ToT GIS in Kenya in June 2013 (one participant from Tajikistan);
- ToT in Almaty for CAR@WAN participants about Economics in Sustainable Development in cooperation with Central Asian Regional Ecological Center (CAREC);
- CAR@WAN prepares a workshop under the support of ESCAP office named after "Using Experience of Asia - Pacific Region for Development of Water Cooperation in Central Asia"



Thank You from CAR@WAN!

