

The “Environment for Europe” mid-term review of the Astana Conference main outcomes: Astana Water Action



Template for reporting on the implementation of the Astana Water Action

I. Background

1. The Astana Water Action (ECE/ASTANA.CONF/2011/5) is a collection of possible actions for improving the status of water and water-related ecosystems through their more sustainable management, prepared for the Seventh “Environment for Europe” Ministerial Conference (Astana, September 2011). This initiative aims to provide suggestions for Governments on possible concrete actions to take to better manage their water resources according to the local/national/regional challenges they face. Another objective is to provide arguments for improving the funding basis for water management from all sources.

2. Countries and other stakeholders were invited to commit to implementing some of the actions and to report on their progress at the future meetings of the UNECE Committee on Environmental Policy. Twenty-one countries and four organizations have committed to 75 actions in the framework of the Astana Water Action. These are: Austria, Azerbaijan, Bosnia and Herzegovina, Bulgaria, Croatia, the Czech Republic, Estonia, Finland, Georgia, Germany, Hungary, Italy, Montenegro, Portugal, the Republic of Moldova, Romania, Serbia, Switzerland, Ukraine, the United States of America, Uzbekistan, UNECE, the Organisation for Economic Co-operation and Development (OECD), Eco-TIRAS International Environmental Association of River Keepers, and the International Network of Basin Organization (INBO).¹

3. At the Astana Conference the Ministers endorsed the Astana Water Action and welcomed the initiatives launched by interested countries and organizations. They invited countries and other actors to implement the Astana Water Action and to report progress to the Committee on Environmental Policy.

¹ Registered actions committed by countries and organizations under the framework of the Astana Water Action are available on the ECE website (<http://www.unece.org/env/efe/Astana/documents.html>, under the tab “Astana Water Action”). An overview of these actions is presented in the annex 1 to the present document. In addition, a compilation of the actions that were presented at the Astana Ministerial Conference is available in the document ECE/ASTANA.CONF/2011/INF.40 (<http://www.unece.org/fileadmin/DAM/env/documents/2011/ece/ece.astana.conf.2011.inf.40.e.pdf>).

4. The Astana Water Action is intended to support countries' efforts in enhancing the sustainable management of water and in greening their economies. The implementation of this initiative can contribute to a large number of international processes and commitments related to water, such as:

(a) Implementation of the Millennium Development Goals and the future Sustainable Development Goals which are currently under discussion;

(b) Implementation of the UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes (Water Convention) and its Protocol on Water and Health, as well as of other related UNECE Multilateral Environmental Agreements;

(c) Implementation of water-related directives of the European Union;

(d) Implementation of the Convention on Wetlands of International Importance (Ramsar Convention);

(e) The World Water Forum, in particular the seventh World Water Forum, to be held in spring 2015 in the Republic of Korea;

(f) The "Environment for Europe" process.

5. At its eighteenth session in April 2012 CEP invited delegations to report on the progress in implementing the Astana Water Action, using a template to be prepared by the secretariat in consultation with the Bureaux of CEP and of the Water Convention.

6. The secretariat will prepare a document on the basis of responses received from the Astana Water Action stakeholders.

II. Template for reporting

7. The present template is aimed to harmonize the responses by the participating countries and organizations on progress made in implementing the committed actions under the framework of the Astana Water Action.

8. This template should be filled in and submitted to the ECE secretariat (efe@unece.org) as soon as possible and not later than Friday, 31 May 2013.

9. For each of your committed actions (please refer to annex of the present document) made in the framework of the Astana Water Action, please provide the following information:

1. Country/Organization:

Please indicate your name, organization and country.

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2. Title of the action committed to in 2011 (see the annex)

Please indicate the title of the action on the implementation of which you are reporting. Those countries that committed to more than one action please kindly note that a template for reporting should be filled in for each action.

Promoting transboundary cooperation in adaptation to climate change

3. Overview of progress made

(a) Please indicate whether the action has been implemented:

Yes / In progress / No

During the period 2010–2012, UNECE Water Convention activities on water and climate change have included a programme of pilot projects and a platform for exchanging experience on climate change adaptation in transboundary basins. The programme of pilot projects on adaptation to climate change in transboundary basins includes eight basins (Chu Talas, Danube, Dauria, Dniester, Meuse, Neman, Rhine, Sava), and aims to strengthen capacity to adapt to climate change, to promote implementation of the *Guidance on Water and Adaptation to Climate Change* and to create positive examples demonstrating the benefits of, and possible mechanisms for transboundary cooperation in adaptation planning and implementation. The projects include joint impact and vulnerability assessment and the development of a basin-wide adaptation strategy. Two global workshops on water and climate change were organized in 2011–2013..

At the 6th session of the Meeting of the Parties in Rome, November 2012, it was decided to include the following activities in the programme of work of the Water Convention for 2013-2015 regarding adaptation to climate change in transboundary basins :

- (a) Compile, analyse, publish and disseminate lessons learnt and good practices from the programme of pilot projects under the Convention and other similar initiatives;
- (b) Promote cooperation in the development of adaptation strategies and in their implementation in transboundary basins, in particular within the programme of pilot projects and the global network of basins on climate change adaptation in transboundary basins;
- (c) Provide a global platform for exchanging experience, lessons learnt and good practices regarding adaptation to climate change in transboundary basins.

(b) Please include, as appropriate, on overview of challenges encountered during the implementation of the action, as well as lessons learned:

- Lack of political support on the national level for climate change adaptation and especially the need for transboundary cooperation in this regard
- Different models and scenarios used by riparian countries in transboundary basins leading to different forecasts for climate change in the same basin
- Importance of joint assessment of problems, priorities, solutions, of developing joint scenarios, modeling and vulnerability assessment: Need for a joint group for this
- Importance of thorough baseline study to identify completed or ongoing projects and relevant partners to be involved
- Institutional and cultural differences can be overcome e.g. through focusing on common interests, expert cooperation
- Importance of combining studies, modelling etc. with concrete activities on the

ground

(c) Please include an overview of future steps planned in relation to the action implementation/follow up, as applicable:

- Establish a drafting group and prepare the collection of lessons learnt and good practices on water and adaptation to climate change in transboundary basins
- Further expand the global network of basins working on climate change adaptation in transboundary basins
- Continue the global platform for exchanger of experience on climate change adaptation in transboundary basins

4. Usefulness of the Astana Water Action

Please indicate how strongly you agree or disagree with the following statements and provide explanation, as appropriate.

(a) The Astana Water Action was useful to strengthen political support related to sustainable water management issues:

strongly agree / somewhat agree / somewhat disagree / strongly disagree

Please elaborate (up to 250 words):
...

(b) The Astana Water Action has helped your country to comply with the international obligations:

strongly agree / somewhat agree / somewhat disagree / strongly disagree

If agreeing, please elaborate how (e.g. European Union Directives, UNECE and other environmental agreements, Millennium Development Goals, Commitments made within the "Environment for Europe" process) (up to 250 words)
...

(c) Also, please indicate your view on the future of the Astana Water Action, e.g. express whether you are interested in a continuous participation and submission of new actions, as well as monitoring of the implementation of this initiative:

Yes / No

Please elaborate (up to 250 words)

...

Annex

Overview of actions committed in the framework of the Astana Water Action

Actions by AUSTRIA

Ambitious urban waste water treatment and drinking water supply nationwide in place

Implementation of IWRM; Improvement of ecosystems by restoration of river continuity and habitat connectivity

Enhancement of renewable energy production - Refurbishment program for small hydro power plants

Actions by AZERBAIJAN

Development of National Water Strategy of Azerbaijan

Actions by BOSNIA AND HERZEGOVINA

Adoption of the Sava River Basin Management Plan, Programme of Measures

Actions by BULGARIA

Invest in environmentally friendly sanitation and wastewater treatment, appropriate operation and maintenance

Actions by CROATIA

Development of River Basin Management Plan

Implementation Plan for water utility directives

Introduction of “recovery of costs for water services” principle

Actions by the CZECH REPUBLIC

Promoting of concept of integrated water management

Water quality and quantity protection

Water quality and quantity monitoring and assessment

Guarantee of minimum environmental water flow in streams

Application of user-pays and polluter-pays principles

Access to safe water supply and sanitation and its sustainable pricing

Climate change adaptation and IWRM

Transboundary cooperation and IWRM

Actions by ESTONIA

Improvement of hydro-morphological situation and ecological status of the surface waters

Actions by FINLAND

Promoting the efficiency of water use in production and consumption

Promoting the national policy dialogues on IWRM and WSS in EECCA countries. Support to the pilot project on climate change adaptation in transboundary basins of the EECCA countries

Promoting integrated water resources management especially climate change adaptation and vulnerability assessment

Actions by GEORGIA

Development Climate Resilient Flood and Flash Management Practices to Protect Vulnerable Communities of Georgia

Enhanced Preparedness of Georgia against Extreme Weather Events

National Policy Dialogue on Integrated Water Resources Management

Actions by GERMANY

Training and Competence Centre Karlovac

Climate Change adaptation strategy for the Danube River Basin

Regional Dialogue on transboundary water resources management in Southeastern Europe

Actions by HUNGARY

National Remediation Program of Contaminated Sites

National Program for the Protection of Drinking Water Sources

Introducing non-structural and more sustainable measures in the Hungarian flood risk management

Management and utilization plan supporting ecological baseline studies along the River Danube in the Gemenc and Béda-Karapanca Region (2006-2011)

Upgrading bilateral transboundary water agreements

Monitoring of wetland habitats and their communities

Actions by ITALY

Upgrade existing nationwide water monitoring networks in Italy

Define and monitor environmental flow in the Po river basin district and Arno river basin

Improve utilization of water resources in the agricultural sector in the Po river basin district

Actions by the Republic of MOLDOVA

Improvement of landscapes role in formation of water regime. Protection of the Lower Dniester and Lower Prut wetland ecosystems by creation of the “Lower Dniester” National Park and Lower Prut biosphere reserve and initiation of creation of the Lower Dniester transboundary protected area with Ukraine.

Elaboration of the integrated water resources management river basin plan

Ensuring Implementation and maintenance of strict target settings of reduction of the pollution from municipal industrial sources and discharge permits

Improvement of action plans of the emergency situations in industrial accidents.

Water policy dialogues

Implementation of the Protocol on Water and Health

Continuation of the implementation of pilot projects on adaptation to climate change in transboundary basins and use of the experience exchange platform on Water Convention

Ratification of the new bilateral agreement on transboundary cooperation with Ukraine on the management of Dniester basin waters

Actions by MONTENEGRO

Drin Basin/Drin Dialogue: Montenegrin National Consultation Meeting for the management of the Drin Basin.

Actions by PORTUGAL

Project on Environmental Quality of International Water Courses Natural Reserves Common Integrated Water Resources Management Document between Portugal and Spain

Drought Warning and Management System

Actions by ROMANIA

Improvement of water resources quality by reducing nutrients discharges into water bodies

Implementation of the provisions of the bilateral transboundary waters agreement

Actions by SERBIA

Negotiations on trans-boundary water management agreements with neighboring countries

Preparation and implementation of the national Danube River Basin Management Plan

Preparation and implementation of the Sava River Basin Management Plan

Actions by SWITZERLAND

Promoting the concept of integrated water management

Water quality: mitigating micropollutants from point and diffuse sources

Remediation of hydromorphological alterations: Strategic planning by the cantons

Climate change adaptation: Adaptation strategy for Water Management

Integrated Flood Prevention

Actions by UNITED STATES OF AMERICA

Assistance to carry out an analysis of the economic ramifications of optimized water-energy resource utilization in the Syr Darya and Amu Darya River Basins

Assistance to carry out an analysis of the impact of Global Climate Change on regional hydrology in the Aral Sea Basin

Actions by UKRAINE

Implementation of the Protocol on Water and Health in Ukraine

Development curricula for water professionals

Actions by UZBEKISTAN

Establishment of the new Ramsar Site Kuyumazar reservoir on the territory of Uzbekistan

Establishment of the new Ramsar Site Tudakul reservoir on the territory of Uzbekistan

Actions by the EAP Task Force

Strengthening the economic and financial dimensions of water management, including adaptation to climate change

Strengthening institutions for water supply and sanitation

Assessing the water policies and institutions in the Easter Europe, Caucasus and Central Asia

Actions by Eco-TIRAS

Development of IWRM plans for Dniester River basin with action program

Promotion of regular bio-monitoring of natural waters, based on macroinvertebrates/algae, for rapid, cost-effective assessment of quality of water bodies

Application of the principle of environmental flow in rivers, ensuring the ecosystem needs/health. Development the use of payments for ecosystem services

Implementation of Dniester River transboundary cooperation

Actions by INBO

Preparation of a “Handbook for Integrated Water Resources Management in Transboundary Basins of Rivers, Lakes and Aquifers”

Actions by the ECE

Promoting cross-sectoral cooperation with the health, environment, agriculture, forestry, energy, industry and housing sectors

Development of transboundary water cooperation in the Dniester, Drin, Kura and Central Asian transboundary waters

Promoting transboundary cooperation in adaptation to climate change

Promoting the achievement of water related MDGs through the reform of the water sector and the development of concrete targets and target dates

Promoting the role of the ECE Water Convention beyond the ECE region at the global level