

## IN&amp;AROUND TURKEY REGIONAL DAY PROGRAMME

<b>Regional Session</b>	<b>IN&amp;AROUND TURKEY SPECIAL REGION</b>
<b>Date of the session</b>	18 <sup>th</sup> March
<b>Time and Venue of the session</b>	14:15 – 19:30 Sadabad Hall, Golden Horn Congress and Exhibition Center
<b>Main convening organizations</b>	GENERAL DIRECTORATE OF STATE HYDRAULIC WORKS (DSI)
<b>Regional Coordinator</b>	Mr. Hamza ÖZGÜLER
<b>Contact person(s)</b>	Mr. Hamza ÖZGÜLER ( <a href="mailto:hozguler@worldwaterforum5.org">hozguler@worldwaterforum5.org</a> ) Ms. Kevser ŞENTÜRK ( <a href="mailto:ksenturk@worldwaterforum5.org">ksenturk@worldwaterforum5.org</a> ) / Ms. Yeliz DEVLET ( <a href="mailto:yelizdevlet@worldwaterforum5.org">yelizdevlet@worldwaterforum5.org</a> )
<b>Short description of the session:</b>	
<p>The objectives of Turkey and around regional day are to present the regional document and local experiences, to bridge countries in the region for strengthening relations and giving messages at all levels can be conveyed through forum themes. Also, by presentations of each theme from the Turkey and guest countries in and around Turkey process, identifying priority issues for the region and promote the action required to solve them and provide input to the political processes are among the aims of Turkey in and around meetings. Lastly, one cultural activity is planned that can show cultural richness of the region.</p> <p>Our Country, Turkey, takes a different position on the 5<sup>th</sup> World Water Forum regional period from host countries of the other forums. The principle of this approach for the Region <i>In &amp; Around</i> has been to localize the issues as much as possible in preparatory period. This approach reducing the scale is aimed at representing the regional subjects better in the forum. Basically, the meetings were classified into two categories: Meetings in Turkey and meetings in the sub-regions around Turkey. The basic aim of the regional meetings in Turkey was to bring together all the local regional stakeholders to prepare a discussion platform for the concerned topic, to provide maximum national contribution in local stage for developing the topic programme of Forum, and to get results to be transferred to World water common opinion during Forum week.</p>	
<b>Participants:</b>	
It is expected over 1000 participants to the session. The members of WWC, Forum committees, academicians, water related experts and parliamentarians have been invited to the session. The session is also opened for all participants.	
<b>Programme:</b>	
The regional process "in and around Turkey" and the organization of the regional session during the Forum Week is led by the General Directorate of the State Hydraulic Works (DSI), Turkey. The programme of the regional session includes the opening ceremony; presentation of the regional document containing the main sections of background information, regional overview; bridging the outcomes of sub-regions, both in and around, at the thematic base; case studies with local experiences and success stories; and the messages at all levels based on the Forum themes. A high-level panel to be attended by the water ministers of the host country and the countries where the regional meetings were held is included in the session. Following the opening of an exhibition including the water related works from the region, a technical session will be held to focus on the thematic priorities of the region and to promote the actions facilitating the solutions. In parallel to	

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the thematic session, a poster presentation also is considered to give occasions for the potential contributors. At the end, a reception is planned showing cultural richness of the region. World water community is welcome to the regional day of "In and Around Turkey". The programme is given in ANNEX1

<b>Contents</b>	
<b>i. Opening Ceremony 14:15-14:30</b>	The meeting will start with a local dance performance organized by the Ministry of Culture and Tourism.
<b>iii. Opening Speech 14:30-15:30</b>	14:30-14:35 Mr. Haydar KOÇAKER Director of the State Hydraulic Works (DSI) 14:35-14:45 Mr. Loic FAUCHON 14:45-15:00 H.E. Prof.Dr. Veysel EROĞLU, Minister of Environment and Forestry of TURKEY 15:00- 15:30 H.E. Süleyman DEMİREL, The former president of Turkey
<b>iv. Ministerial Panel 15:30-16:30</b>	<b>Chaired by Prof. Dr. Veysel EROĞLU Minister of Environment and Forestry</b> <b>Short Description</b> There will be a Ministerial Panel with the estimable participation of Ministers of the countries which Around Turkey meetings were held in. Panel issue is " <i>Climate Change</i> ". <b>List of Panelists and Timing *</b> <b>15:30-15:35</b> Opening, H.E. Prof. Dr. Veysel EROĞLU, Minister of Environment and Forestry of Turkey <b>15:35-15:40</b> H.E Raed Abo Soud, Minister of Water and Irrigation of Jordan <b>15:40-15:45</b> H.E Mladen Zirojevic, Minister of Bosnia and Herzegovina <b>15:45-15:50</b> H.E. Aidaraliyev Iskanderbek Rysbekovich, Minister of Water Resources and Processing Industry of Kyrgyzstan <b>15:50-15:55</b> Mr. Bloagoja Slavko Stoilov, State Advisor of Macedonia <b>15:55-16:00</b> H.E. Abdelkbir ZAHOU, Secretary of State in charge of Water and Environment of Morocco <b>16:00-16:05</b> Prof.Dr. Hüseyin GÖKÇEKUŞ, Near East University, Nicosia <b>16:05-16:10</b> H.E. Heorhiy FILIPCHUK, Minister of Environment Protection of Ukraine <b>16:15-16:30</b> Closing remarks, H.E. Prof. Dr. Veysel EROĞLU, Minister of Environment and Forestry * Subject to change
<b>v. Poster Presentations and regional exhibition stand 16:30-17:00</b>	Posters related to the Forum Themes and region will be presented out of the room which organized the regional day meeting in. The posters will represent the special region In & Around Turkey. The exhibition covers the art products (photos, pictures, videos, posters) related to the Forum Themes from Turkey and Around Turkey countries. The achieved materials from World Water Day competition organized by the State Hydraulic Works will be presented in the regional stand.

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<b>vi. Presentation of the Regional Document</b> <b>17:00-17:15</b>	<p>In the preparatory process of the 5<sup>th</sup> World Water Forum, Turkey has developed a new self-approach. The essence of this approach mainly depends on focusing on the local national problems rather than emphasizing on nationwide water issues. By decreasing the scale of interest, this approach complicates the process; however, it ensures for a better representation of the local themes of the Forum, contributing to the success of the 5<sup>th</sup> World Water Forum. Through a number of regional meetings, it is achieved that regional report was published to underline the most important aspects of proper water management in the region as well as the obstacles to overcome and proposed solutions. The report includes the messages related to water issues of the preparatory meetings were held in and around Turkey.</p>
<b>vii. Technical Session and Panel</b> <b>17:15-19:00</b>	<p><b>Chaired by Prof. Doğan ALTINBİLEK</b></p> <p><b>Description</b> In this session the regional issues and case studies, successes projects will be presented and discussed under the below topics;</p> <ul style="list-style-type: none"> <li>— Water and Culture</li> <li>— Regional Climate Change</li> <li>— Transboundary Water Issues</li> <li>— Case Studies</li> </ul> <p><b>List of Speakers and Timing:</b></p> <p>17:15-17:20 Prof.Dr. Doğan ALTINBİLEK (Opening)  17:20-17:30 Prof. Dr. Ünal ÖZİŞ  17:30-17:45 Prof.Dr. Hasan Z. SARIKAYA  17:45-18:15 Prof. Dr. M. Levent KAVVAS  18:15-18:25 Mr. M. Tevfik GÖKSU – Mrs. Aynur GERZİLE  18:25-18:40 Mr. Ömer ÖZDEMİR – Mr. Raif MERMUTLU  18:40-18:50 Dr. Boğaçhan BENLİ  18:50-19:00 Prof.Dr. Doğan ALTINBİLEK (Closing remarks)</p>
<p><b>Prof. Dr. Ünal Öziş “Water works of four thousand years in Turkey”</b></p> <p>Remains of hydraulic works in Turkey exist from the II.Millennium BC, the Hittite period in Central Anatolia; from the first half of the I.Millennium BC, the Urartu period in Eastern Anatolia; from the second half of the I.Millennium BC and the I.Millennium AD, the Hellenistic, Roman and Byzantine periods in Western and Southern Anatolia; from 11.th to 14.centuries, the Seljukide period in Central and Eastern Anatolia; from 14.th to early 20.centuries, the Ottoman period in Turkey. Thus, Turkey can be considered as one of the principal historical scenes of the alliance of civilizations. Ancient water works from these four-millenia-long periods, some of them are, with very few repair or modification, being still in operation after several centuries or even several millenia, make Turkey one of the foremost open-air museums of the world in this respect.</p>	

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### **Prof.Dr. Hasan Z. Sarikaya “Regional Climate Change Scenarios for Turkey and its surrounding Area”**

Turkey and its surrounding countries will be severely affected by climate change according to the Fourth Assessment Report of the IPCC. In order countries to be prepared to mitigate consequences of climate change and develop adaptation measures, accurate and detailed data are required. In this sense, Turkish State Meteorological Service operates regional climate models with aiming at obtaining future climate projections for Turkey and its region. The projections are based on the regional climate model simulations under IPCC-SRES A2 and B1 emissions scenarios for the period 2001-2099. The simulations indicate that Turkey and its region will experience warming in all seasons in both the SRES A2 and B1 emissions scenarios. The highest warming will be in summer in southern parts, especially Southeastern Anatolia Region of Turkey, Iraq, Iran and Greece.

### **Prof. Dr. M. Levent KAVVAS “A Hydro-climate Model of the Tigris-Euphrates Watershed for the Study of Water Balances”**

Following the recommendations of UNEP and World Bank, the Tigris- Euphrates watershed was considered as one hydrologic unit, and a comprehensive scientific assessment of the watershed’s water resources was performed. Accordingly, a) an inventory of the land use/land cover, vegetation, soils, and the existing hydraulic structures in the watershed was performed; b) a regional hydroclimate model, RegHCM-TE, of the watershed was developed, and used to reconstruct the historical precipitation data, to perform land hydrologic process computations for infiltration, soil water storage, actual evapotranspiration, direct runoff as input for the hydrologic model’s streamflow computations, and to estimate irrigation water demands; and c) a hydrologic model was developed to route the streamflows within the whole river network of the watershed. Also, an algorithm for operating the system of reservoirs within the watershed was developed, and utilized (along with the hydrologic model) to perform dynamic water balance studies of the whole watershed under various water supply/demand scenarios in order to establish efficient utilization of the watershed’s water resources to meet the water demands of the riparian countries in the basin. Within this dynamic water balance framework, it is possible to assess and quantify the effect of sequential river flows on the chronologically sequential water balances over the whole watershed. The water balance study for the case that corresponds to the natural flow conditions prior to the development of the large dams within the TE basin, during the 1957-1969 critical period is presented.

### **Mr. M. Tefvik GÖKSU – Mrs. Aynur GERZİLE “From Past to Present, the Golden Horn”**

Known popularly as Golden Horn, the area which is now an exceptional neighborhood with its natural beauties, water and air, was a chronic area of water and environment pollution in the last 30-40 years. Measures to stop pollution were taken too late although water pollution in Golden Horn had previously started. The development of the Golden Horn owes much to its attractive aspects such as the productive land around it, its natural beauty, and abundance of water products as well as availability of sea and land transportation means and an inland port. The precision for the Golden

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Horn during the Republic period continued until the 1950s. However, due to the rapid increase in population, unplanned industrialization and improper settlements formed against urbanization rules, Golden Horn faced a polluted and irregular look. The aim of this presentation is to summarize briefly the projects conducted by İSKİ as well as the results of these projects launched in order to cut off the direct household and industrial waste water discharges into the Golden Horn, which is the main reason of pollution in the area.

### **Mr. Ömer ÖZDEMİR – Mr. Raif MERMETLU “Istanbul Drinking Water Supply Project”**

#### **Mr. Ömer ÖZDEMİR- GREATER İSTANBUL WATER SUPPLY PROJECT MELEN SYSTEM**

Melen System is developed for covering the long term water demand of İstanbul. By supplying 268 million m<sup>3</sup>/year water at the first stage and 1,180 billion m<sup>3</sup>/year water at the third stage, the water demand of the city until the year 2040, will be met. The length of project area between Melen River and İstanbul is 189,19 km in the east west direction. 155,77 km long and 2540 mm diameter steel pipe conveyance line; 27,97 km long tunnel and 5,45 km long conduit are within the scope of the project. Crude water conveying tunnels and treated water conveying tunnels are 4,5 m and 4,0 m large in diameter respectively. A tunnel passing the Bosphorus underground and a treatment plant with a capacity of 720.000 m<sup>3</sup>/day are also covered by the project.

**Mr. Raif MERMUTLU:** Since water resources in İstanbul are inadequate to meet the water demand of the growing population, it was planned in 1990 to transfer water from seven streams on the western part of the city flowing unrestrainedly into the Black Sea to the Terkos Lake, one of the important water reserves in İstanbul. However, the project was delayed for several reasons and could not be accomplished for a long time. İSKİ accelerated the project of water supply from Istrancalar region to İstanbul after 1994 and completed the 1st and 2nd phases, to be benefited by the people in İstanbul. Thanks to this project completed in a very short time, long before the previously-foreseen deadline, it was possible to provide ceaseless water supply to İstanbul.

### **Dr. Boğaçhan BENLİ “Every Drop Matters”**

Water is a source of life that sustains our environment and supports our livelihood, but it can also be a source of risk and vulnerability. The use of, and competition for, increasingly precious water sources has intensified dramatically, reaching a point where water shortages, water quality degradation and aquatic ecosystem destruction are seriously affecting prospects for economic and social development and political stability, as well as ecosystem integrity.

At least 1.2 billion people currently lack access to safe drinking water, and millions of people – many of them children – die each year of water-related diseases: diseases that could easily be cured. Given the central role of water in poverty alleviation and human and ecosystem health, effective management of water resources is of the utmost importance.

Recognizing the significant challenges related to water, UNDP and The Coca-Cola Company have committed to identifying and advocating solutions to water issues. At the convergence of this mutual commitment is ‘Every Drop Matters (EDM)’, a regional partnership initiative in countries of Europe and CIS aimed at increasing access to safe drinking water, facilitating the use of environmentally sound industrial technologies, and promoting responsible water resource management through outreach and awareness-raising activities. This five-year project was launched in 2006 and going on with pilot projects in Turkey, Croatia, Romania, Kazakhstan, Ukraine, Armenia and six countries bordering the Black Sea.

5<sup>th</sup> WORLD WATER FORUM  
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BRIDGING  
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FOR WATER



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**IN&AROUND TURKEY REGIONAL DAY PROGRAMME**

ANNEX 1

<b>IN&amp;AROUND TURKEY SPECIAL REGION Draft Programme (v26/11.03.2009)</b>	
<b>18 March 2009 Wednesday 14:15-21:00</b>	
14:15–14:30	Opening Ceremony Cultural Dance Performance
14:30–15:30	Opening Speeches Mr. Haydar KOÇAKER, General Director of State Hydraulic Works (DSI) Mr. Loic Fauchon, President of World Water Council H.E. Prof. Dr. Veysel EROĞLU, Minister of Environment and Forestry H.E. Süleyman DEMİREL, Former President of Turkey
15:30–16:30	Ministerial Panel Chaired by Prof. Dr. Veysel EROĞLU, Minister of Environment and Forestry
16:30–17:00	Break Opening of Exhibition-Poster Presentations
17:00–17:15	Presentation of the In & Around Turkey Regional Document
17:15–19:00	Technical Session Chaired by Prof. Dr. Doğan ALTINBİLEK  1. “Water and Culture” Prof. Dr. Ünal ÖZİŞ 2. “Regional Climate Change” Prof. Dr. Hasan Zuhuri SARIKAYA, Undersecretary of Ministry of Environment and Forestry 3. “Transboundary Water Issues” Prof. Dr. Levent KAVVAS 4. Case studies ✓ From Past to Present, the Golden Horn / Mr. M. Tevfik GÖKSU (Deputy Director General of İSKİ) – Ms. Aynur GERZİLE (Adviser, İSKİ) ✓ “Istanbul Drinking Water Supply Project” ○ Mr. Raif MERMUTLU (Deputy Director General of İSKİ) ○ Mr. Ömer ÖZDEMİR (Head of Department of Water Supply and Sewage Disposal) ✓ “Every Drop Matters” Dr. Boğaçhan BENLİ (Project Manager, UNDP) Closing Remarks, Prof. Dr. Doğan ALTINBİLEK
19:00–21:00	Reception; Cultural Activity