



World Water Challenge 2016, 09:00~12:30, Oct. 21<sup>st</sup>, Korea International Water Week 2016

**An international contest and award for individuals and organizations toward solving the global water problems through identifying water challenges and finding feasible solutions to them**

<b>Challenges</b> <i>11 selected water problems from 7 countries</i>	<b>Solutions</b> <i>10 selected solutions from 8 countries</i>
<ul style="list-style-type: none"> <li>Difficulties in Access to a Limited Drinking Water Source</li> <li>A Safe Water Crisis in the Southwest Coastal Area of Bangladesh</li> <li>Difficulties in Agriculture by Locally Shifting Season</li> <li>Wastewater Reuse in Agriculture in Mexico</li> <li>Water Scarcity isolated islands in Greece using fossil fueled electricity</li> <li>Effective Farm-level Water Management by the Water Users Association in the Central Asia</li> <li>Low-cost DIY (Do-It-Yourself) Type Water Purifier</li> <li>Appropriate Technologies for Water Purification in Underdeveloped Countries</li> <li>Problems of Untreated Sewage Discharge during the Wet Season</li> <li>Leakage Reduction Activities in Developing Countries</li> <li>Safety Management of the Water Infrastructures Subjected to Climate Change</li> </ul>	<ul style="list-style-type: none"> <li>Effective Farm-Level Water Management by Water Users Association in Central Asia</li> <li>Sustainability in the management of transboundary water resources</li> <li>Akvo Caddisly: Water Quality testing on a mobile phone</li> <li>Atotonilco Wastewater Treatment Plant</li> <li>Aastha Bio Sand filter</li> <li>Phytoremediation for clean drinking water systems</li> <li>Leakage Reduction Activities in Developing Countries : Tracer gas method</li> <li>Low electricity desalination based on smart water grid in islands</li> <li>Off-grid Stand-alone Solar PV Generation &amp; Water Purification Hybrid System</li> <li>Development of water purifier with filter made by raw materials in Cambodia</li> </ul>

World Water Challenge 2016, follow up event of the 1<sup>st</sup> World Water Challenge during the 7<sup>th</sup> World Water Forum in 2015, served its role as a platform to share the ideas and know-hows based on practical experiences and leading examples toward solving the defined water issues around the world and to forge the broad network among the water-related experts and stakeholders participating in the KIWW 2016.

For the final round, 10 solutions to the 11 designated water problems were selected through the first round evaluation based on criteria (Comprehension, Contribution to “Sustainability”, Preference, Challenge, Expected Effect) and finally 9 solution providers were invited, having an opportunity to present their solutions at the final round of World Water Challenge during the KIWW 2016.

After their presentations and open discussion at the final round, the winner of the World Water Challenge 2016 has been decided and granted “The Best” prize, and other 7 were also selected as awardees for “Excellent” and “Outstanding” prize respectively. Each of them was rewarded cash prize with a trophy in celebration of their significant achievements during the KIWW 2016 closing ceremony.

Particularly, the winner of the last year’s World Water Challenge was invited as a speaker of the Invited Talk. He introduced his award-winning project to the participants of the World Water Challenge 2016 and shared the experience including real application case and development after winning. Furthermore, poster exhibition was organized at the 2 divided places for displaying selected solutions, which is providing business opportunities for the water-related corporations and organizations to promote their ideas and technologies.

■ Topics of the World Water Challenge 2016 were 1) Efficient Water Management, 2) Resource Recovery from Water and Waste-water Systems, 3)Water and Natural Disasters, 4) Smart Technology for Water 5) Understanding and Managing Ecosystem Services for Water.

■ List of the World Water Challenge 2016 Awardees

<b>Award Name</b>	<b>Solution Title</b>	<b>Presenter Name</b>	<b>Country</b>
The Best	Development of water purifier with filter made by raw materials in Cambodia	Hwang Kwang-Taek	Korea
Excellent	Leakage Reduction Activities in Developing Countries : Tracer gas method	Youssef BOUDRAA	Morocco
	Low electricity desalination based on smart water grid in islands	Sangho Lee	Korea
Outstanding	Atotonilco Wastewater Treatment Plant	Jesus Linan Guevara	Mexico
	Aastha Bio Sand filter (ABSF)	Kamala Dhakal	Nepal
	Phytoremediation for clean drinking water systems	Lowine Hill	France
	Off-grid Stand-alone Solar PV Generation & Water Purification Hybrid System	Gyu-Hwa Jang	Korea
	Sustainability in the management of transboundary water resources	Mara Tignino	Switzerland

\* It is listed by presentation order. (It does not indicate their rankings.)