

UNFCCC COP27 – Sharm El-Sheikh, Egypt

**WATER PAVILION**  
**Water, Energy and Climate Nexus Session (TD6)**

<b>Title</b>	Nexus solutions for climate-resilient water, energy, food and environment security: lessons learned from the ground
<b>Short description</b>	The event will feature experiences and examples of water-energy-food-environment nexus planning and implementation in different countries. It advocates for a cross-sectoral, coordinated effort that brings together a holistic management of natural resources with stakeholder needs and innovations, while enabling financial and political support opportunities.
<b>Long description</b>	<p>Water storage is the key adaptation strategy for prolonged droughts expected to increase with climate change. Rainfall can be caught on the surface by infrastructure like dams and reservoirs but is also stored naturally when percolating into aquifers. Both kinds of reservoirs serve multiple purposes, be it stream flow regulation for naval transport, supply of irrigation and cooling water, energy production and securing baseflows for rivers and ecosystems. As several sectors are affected and benefitting, a coordinated Nexus approach is needed for managing them best.</p> <p>The side event will focus on experiences and examples of water-energy-food-environment nexus planning and implementation in different countries. Speakers from different related sectors will present lessons learned and discuss the importance of the WEF-E-Nexus planning as contribution to the efforts of the international community to mitigate and adapt to climate change, particularly by:</p> <ul style="list-style-type: none"> <li>• Showcasing the potentials and role of ground and surface water for water, energy, food security and for climate change mitigation and adaptation.</li> <li>• Debating approaches to build climate-resilient and sustainable food systems for food security, an appropriate use and management of water, energy and environment. Especially, the critical role and benefits of investments in agriculture land and water (irrigation) management from farm to basin level for increased climate resilience in the country.</li> </ul> <p>The session advocates for a cross-sectoral, coordinated effort of different stakeholders that brings together a holistic management of the water and environmental resources with farm-level needs and innovations, while enabling financial and political support opportunities. It will showcase how to create strong team play between governments, international organizations, local authorities, civil society, and the private sector to scale local to global capacities, take collective action, and mobilize resources towards water and energy secure and resilient countries and agri-food systems.</p>
<b>Organizing Partners</b>	GIZ on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), Republic of Tajikistan, IFPRI, International Initiative Water and Energy for Food, BGR,

	KfW Development Bank, International Hydropower Association, ITAIPU Binacional
<b>Contact persons</b>	Jakob Seidler ( <a href="mailto:jakob.seidler@giz.de">jakob.seidler@giz.de</a> ), Johannes Muntau ( <a href="mailto:johannes.muntau@giz.de">johannes.muntau@giz.de</a> )
<b>Speakers / Panellists /Moderator</b>	<ul style="list-style-type: none"> <li>● Mr. Daler Juma, Ministry of Energy and Water Resources Tajikistan, Minister</li> <li>● Mr. Jamshed Shoimzoda, Ministry of Energy and Water Resources Tajikistan, First Deputy Minister</li> <li>● Mr. Eddie Rich, International Hydropower Association, Chief Executive Officer</li> <li>● Mr. Alex Campbell, International Hydropower Association, Head of Research &amp; Policy</li> <li>● Mr. Ariel Scheffer da Silva, Itaipu Binacional, Head of Environmental management</li> <li>● Ms. Christiane Ehringhaus, KfW Development Bank, Senior Sector Economist</li> <li>● Mr. Samuel Wanderi Rigu, SafiOrganics</li> <li>● Ms. Claudia Ringler-Nguyen, International Food Policy Research Institute, Deputy Division Director</li> <li>● Ms. Julia Weatherhogg, UNFCCC</li> <li>● Ms. Makena Ireri, CLASP</li> <li>● Mr. Seleshi Bekele, Gov of Ethiopia, Ambassador</li> </ul>
<b>Please indicate proposed format of the event, including any innovative/interesting elements</b>	The event will be opened by high-level government officials to set the scene. Two panels will combine the themes of potentials and constraints of energy and food security and the corresponding interventions, tools and policy needs; the transition will be guided by a video message.