

# Call for Papers



سلطة المياه الفلسطينية  
PALESTINIAN WATER AUTHORITY



منتدى فلسطين الدولي للمياه  
PALESTINE INTERNATIONAL WATER FORUM

**Under the Auspices of His Excellency Palestinian President “Mahmoud Abbas”  
The Palestinian Water Authority (PWA) is Organizing**

## **Second Palestine International Water Forum**

**“Water Security in Dynamic Environments, Together...We Can”  
Ramallah - Palestine, 18<sup>th</sup>-21<sup>st</sup> July, 2020**

### *Background*

The 2019 UN water report figure out that global water demand is expected to continue increasing at a rate of 1% until 2050, accounting for an increase of 20 to 30% above the current level of water use, mainly due to rising demand in the industrial and domestic sectors. Over 2 billion people live in countries experiencing high water stress, and about 4 billion people experience severe water scarcity during at least one month of the year. Stress levels will continue to increase as demand for water grows, which is consider an enormous international concern.





The major fact behind this worrisome issue is that water security is being as one of crucial concerns and tough challenge at global level. It is a determinant for security in various societal and environmental aspects including food, energy, economy, politics, climate, environment and health. This complicated manner of multidisciplinary goes beyond water resources management current practices, where it emerges at highly dynamic environments request intensifying efforts to understand how to achieve water security through focusing on all its determinants within these environments.

State of Palestine faces a special context related to water led to a real water crisis, especially in Gaza Strip where 97% of water is polluted and unfit for human use. In addition, Palestine is located in region facing a series water risks. While the MENA region is a home to about 6% of the world's population, it holds only around 1% of the earth's total renewable freshwater resources and it is the world's most water-scarce region. In recent years, the anthropogenic global warming of the arid regions received particular attention, considering that water scarcity is a major challenge for food security. The Middle East and the adjacent Mediterranean is identified as a hot spot for climate change.

Understanding the above facts and many other water figures means that today, water issues require global solidarity to find and plan countermeasures solutions for nations to achieve water security. Increasingly by the years, integration of all stakeholders' efforts becomes a must for nations to be able to face threats of water security challenges on current and future generations.

Driven from the success of the First Palestine International Water Forum, The Palestinian Water Authority is planning to organize the "Second Palestine International Water Forum", to be held from 18<sup>th</sup> to 21<sup>st</sup> July, 2020. The objectives of the second forum will be to provide a unique multi-stakeholder platform where the water experts, the policy creators, and decision makers from around the world can work together to find joint solutions capable to significantly assist the region in its efforts to achieve sustainable development goals and draw a road map for water security. It will present an opportunity for local, regional and international water communities to examine and establish new collaborative partnerships in the various water sector issues.



## What is the Second Palestine International Water Forum 2020?

Second Palestine International Water Forum will be under the theme “**Water Security in Dynamic Environments, Together...We Can**”. it’s the first time to have this intricately linkage between water security and dynamic environments considering that water security encapsulates complex and interconnected challenges and highlights water’s centrality for achieving a sense of security, sustainability, development and human well-being, from the local to the international level.

Many factors contribute to water security and range from natural, to institutional, economic, political, social, financial and for sure technological– many of which lie outside the water realm and all are in accelerated change. Water security, therefore, lies at the center of many security areas, each of which need an integrated and proactive actions. Addressing water security, therefore, requires interdisciplinary collaboration across sectors, communities and political borders and this is where “Together We Can” in the theme come from.

**The Second Palestine International Water Forum – 2020** is intended as a high-profile international water event supporting finding applicable solutions to water security and reliable responses to dynamic changes at the local, national and international levels. In order for the discussion to be effectively operating and for collaboration to grow, participation will be diverse and will include government representatives, policy makers, businesses, international organizations, local authorities, donors, civil society organizations, academic institutions, experts researchers and the media.

Considering the fact that positive impacts require continuity, Second Palestine International Water Forum will capitalize on the outputs of the First Palestine International Water Forum. As the first forum conducted under the theme ”Integrated Water Resource Management: Best Practices and Technology Transfer”, the IWRMS is a main keystone of achieving water security and both forums aiming at achieving SDGs 6 in the context of 2030 agenda.

**The Second Palestine International Water Forum** will be integrated and coordinated with major regional and international water events, mainly, “Ninth World Water Forum”- Senegal March 2021 and “Forth Arab Water Forum”. it will be an opportunity to encourage dialogues in the region and among stakeholders to examine and establish a new effective participation in these events taking specific issues of the region in water security to the world.

For the Forum venue, program and list of activities, please visit the conference website at

<https://www.piwf.pwa.ps>





## Why to attend the Second Palestine International Water Forum 2020?

1. **The Second Palestine International Water Forum** will provide an opportunity to discuss the diverse facets of water security in dynamic environments and its relation to climate change and sustainable development in attempt to find joints solutions to challenges and create future opportunities capable to contribute in achieving water security.
2. **The Second Palestine International Water Forum** is a unique opportunity to mobilize all stakeholders in order to reach the targets linked to the water-related SDGs, specifically agenda 2030.
3. **The Second Palestine International Water Forum** will provide broad of technical and policy-oriented program, along with a specialized exhibition-targeting water supply, climate change, nonconventional water resources, water harvesting and other service and product providers in the water sector at national, local, regional and international level.
4. **The Second Palestine International Water Forum** will enhance youth awareness of the critical issues facing the water sector and promote their engagement in its development.

## Who will attend?

**The Second Palestine International Water Forum** aims to attract decision makers, water and wastewater firms/service providers, water ministries & authorities, water related governmental bodies, private sector companies, consultants, researchers, experts, civil society organization, international agencies and educational institutions from across the region and beyond. There will be an equal opportunity for woman participation and female experts will be encouraged to participate. The forum will give a special attention for youth active participation in all its activities.



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## General Objectives

1. To build bridges between multidiscipline, sectors and different groups of stakeholders, the forum will serve as a platform for discussions towards water secure societies. By providing a stimulating environment with the intention to yield joint solutions, innovative ideas and grounds for implementation.
2. To develop practical recommendations for the implementation of Sustainable Development Goal 6 (Clean Water and Sanitation).
3. To focus on non-conventional water resources on wide spectrum, in an attempt to address the current challenges, highlight the role of these resources on filling the gap of water demand, recommend reliable cost effective models for development and operation, presenting the new advanced technologies, and the non-conventional water resource's impacts on environment, ecosystems, and sustainable development.
4. To give a unique opportunity for organizations working in water sector to show cases the latest technologies, products, and services in the field of water and wastewater for a wide base of interested audience.
5. To find opportunities for public private sector partnerships, in addition to present potential water security initiatives, networking and partnerships across sectors and regions.
6. To enhance youth awareness of the critical issues facing the water sector and promote their engagement in its development.

## Conference Topics

Under the title “Water Security in Dynamic Environment, “Together...We Can”, the Scientific Committee is seeking contributions from the Arab Region and the international water community addressing the following conference topics:

Main Topic	Subtopics
<b>Securing Sustainable and safe Water Resources – SDG6 and Its Relation to Food Security</b>	<ol style="list-style-type: none"> <li>1. SDG 6.5: Implementation of integrated water resources management approach at all levels</li> <li>2. SDG 6.3: Improvement of water quality - advance technologies and new monitoring techniques</li> <li>3. SDG 6.2: Achievement of access to adequate and equitable sanitation and hygiene</li> <li>4. Managing water resources to achieve SDG 2.4: ensure sustainable food production systems</li> <li>5. Advancements to improve demand management and water loss reduction</li> <li>6. Water public health and diseases</li> <li>7. Towards reliable and sustainable influencing factors of water supply systems</li> </ol>
<b>Transboundary Water Management and - Diplomacy in the Mediterranean</b>	<ol style="list-style-type: none"> <li>1. Hydro-diplomacy for regional development and integration.</li> <li>2. Legal and institutional aspects of transboundary water cooperation</li> <li>3. Reality and experiences showing cases good practices of transboundary cooperation from basins.</li> <li>4. Water conflict: vision and the challenge.</li> <li>5. Case studies</li> </ol>

<b>Non-conventional Water Resources Challenges and Opportunities</b>	<ol style="list-style-type: none"> <li>1. Drivers, visibility, and feasibility of non-conventional water resources development</li> <li>2. Desalination: technologies, socio-economics and finance</li> <li>3. Wastewater treatment technologies - advanced vs. low cost</li> <li>4. Water harvesting alternative techniques.</li> <li>5. Brackish &amp; Saline Water Use</li> <li>6. Rainwater harvesting management</li> <li>7. Institutional and sustainability of non-conventional WR</li> <li>8. Impact of non-conventional water resources on eco-systems</li> </ol>
<b>Climate Change in Hydrological Cycle the Current and the Future</b>	<ol style="list-style-type: none"> <li>1. Climate change and food security</li> <li>2. Climate Prediction: Modeling and detection of recent and future climate change</li> <li>3. Impacts on urban development</li> <li>4. Drought management: challenges and solutions</li> <li>5. Risk assessment</li> <li>6. Community resilience</li> </ol>
<b>Water Governance and Urban Planning</b>	<ol style="list-style-type: none"> <li>1. Integrity, transparency, accountability and participation</li> <li>2. Towards water governance assessment</li> <li>3. International water law, regional and local levels.</li> <li>4. Enforcement of legislations, strategies, and policies - Case studies.</li> <li>5. Public private partnership (PPP)</li> <li>6. Gender and water governance</li> <li>7. Water management and urban planning</li> </ol>
<b>Water-Food-Energy Nexus</b>	<ol style="list-style-type: none"> <li>1. Nexus strategies at national multi-sectorial level gaps</li> <li>2. Options of integrating Modeling</li> <li>3. Renewable energy solution Razing efficiency of irrigation systems</li> <li>4. Gender as cross cutting</li> </ol>
<b>Managing Innovation and Entrepreneurship</b>	<ol style="list-style-type: none"> <li>1. How to encourage water innovation: challenges and opportunities.</li> <li>2. Directing researches and innovations towered sector's needs and challenges.</li> <li>3. Regional and international cooperation in exchange researches and innovations.</li> <li>4. Adaption of eco-friendly technologies.</li> <li>5. Advancements on SMART technologies.</li> <li>6. Case studies of success water entrepreneurship</li> <li>7. Success entrepreneurships</li> <li>8. Incubation and facilitating innovation in water sector.</li> </ol>



## Conference Venue

**Second Palestine International Water Forum** will take place in Ramallah, on 18<sup>th</sup> - 21<sup>st</sup> July, 2020.

Venue(s) information will be available at the forum website soon.

## Invitation to Submit Abstracts

Abstracts are to make an original and substantial contribution to the conference themes and topics covering different areas, methods, approaches and positions. Individuals are encouraged to submit abstracts that will be reviewed by the scientific committee.

Abstracts should be maximum **300 words** in length. Each entry should incorporate the following information:

Author's(s') full name(s), Title – Position – Institution – Address for correspondence– Theme of the paper (see conference themes), indicating a first and second choice – Title of the paper – Abstract of the paper – Key words , referees

**Online abstract submission** form including all instructions and guidelines can be found at website.

<https://www.piwf.pwa.ps>

Selected presentations submissions should be sent by e-mail to the following address:

[scientific2020@pwa.ps](mailto:scientific2020@pwa.ps)

The official languages of the conference are Arabic and English (Simultaneous translation will be available).

## Deadlines

- **Call announcement 28/1/2020**
- **Deadline for submitting online abstracts: 10/3/2020**
- **Evaluation for the abstract by the scientific committee 11/3/2020 to 1/4/2020**
- **Announcement of results: 2/4/2020**
- **Deadline for submitting the presentations/papers: 1/5/2020**



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## *Enquiries*

Technical and scientific program speakers: [scientific2020@pwa.ps](mailto:scientific2020@pwa.ps)

Exhibition: [exhibition2020@pwa.ps](mailto:exhibition2020@pwa.ps)

For more information or inquiries, please do not hesitate to contact us on [piwf2020@pwa.ps](mailto:piwf2020@pwa.ps)

## *Exhibition*

Throughout the Forum, the exhibition guarantees another promising opportunity for a perfect business and networking platform for water and wastewater industry professionals and experts working towards common goals and seeking to introduce their products and services to competent targeted audiences. The Palestinian Water authority (PWA) invites institutions, organizations and companies to exhibit their technologies, programmes or products related to water and wastewater services at the Forum's Exhibition. The exhibition as well will target companies working on energy, irrigation and companies provide solutions for Water-Food-Energy Nexus.

In the exhibition, the exhibitors will be showing their state-of-the-art technology to wide range of participants coming from the region and the World. Further information about the exhibition and its floor plan will be available soon at the forum's website: [www.piwf.pwa.ps](http://www.piwf.pwa.ps)

Interested organizations can contact exhibitor's committee on: [exhibition2020@pwa.ps](mailto:exhibition2020@pwa.ps)

## *Why to Exhibit*

- A cost-effective channel to open a new market or to increase your opportunities in an emerging region having a future projects' potential.
- Position your brand and present your products and services in the field of water, wastewater, irrigation, renewable energy and environmental related industries.
- New business opportunities for multinational companies to engage with strategic partners from different projects' stakeholders' categories donors, subcontractors, authorities and municipalities.
- Share best practices and expertise with national and multinational exhibitors.
- Opportunity to network with government decision-makers, business leaders, investors and country delegations from around the world
- Build on opportunities in Palestine, at this stage of working on many strategic water projects in the field of desalinations, wastewater treatment, and developing infrastructure.
- Chance to highlight the latest products and technologies to potential clients from around the world.
- The exhibitors in the exhibition will be showing their state-of-the-art technology.



## *Exhibitors:*

Below are the domains that are encouraged to exhibit in the Second Palestine International Forum's exhibition:

- Water extraction
- Desalination
- Water and sewage treatment including filtration equipment, water purification and others
- Water distribution and sewers systems
- Irrigation, drainage and wastewater reuse
- Measuring, control and laboratory technology
- Water and Energy Saving Technologies and Solutions
- Water Management Systems
- Rainwater harvesting and devices
- Pipes, fittings and valves
- Pumps
- Safety and Health
- Water Meters
- Renewable energy
- Building Materials

