



जल शक्ति मंत्रालय  
भारत सरकार  
MINISTRY OF JAL SHAKTI  
GOVERNMENT OF INDIA



# 8<sup>th</sup> INDIA WATER WEEK- 2024

## Partnerships and Cooperation for Inclusive Water Development and Management

17-20 SEPTEMBER, 2024

BHARAT MANDAPAM & HALL 12-A, PRAGATI MAIDAN,  
NEW DELHI



💧 **Multi-Disciplinary** Forum

💧 **4,800 sq.m.** Exhibition

💧 **Promotional** Facilities

💧 **3000+** Delegates

**INDIA'S INTERNATIONAL WATER RESOURCES EVENT**

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Partnerships and Cooperation for Inclusive  
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## HIGHLIGHTS

**India Water Week 2024** will have global attendance of over 3000 delegates with more than 100 national and international water leaders and experts from public, private, research, academia and non-government sector sharing their experience, insights and ideas.

### India Water Week 2024 will offer the delegates:

- ◆ **An international forum** hosting a **multi-disciplinary** dialogue,
- ◆ **Insightful, diverse and in-depth perspectives**, discussion and knowledge exchange on wide range of topics from experts and practitioners from government and private sector
- ◆ **Interaction and networking** with the Government leaders, Industry leaders, Scholars, Planners, Innovators, and decision-makers in the field of water resources across the globe,
- ◆ **Inaugural, Valedictory and Ministerial Plenary** where Government leaders will share their vision and perspectives on water sector,
- ◆ **Global Water Leaders' Plenary** where global experts will share their insightful and thought provoking ideas for water sector
- ◆ **Water Leaders' Forum** with 9 sessions covering all major thematic sectors where experts drawn from public, private and non-government sector will share their experiences and ideas,
- ◆ **Country Forum on the sidelines** with several countries including Denmark, Israel, Australia, Singapore, India-EU hosting their sessions
- ◆ **Practitioners' Forum** with 6 sessions where Government, Private and Non-Government experts will share experiences of implementing water sector programs and initiatives highlighting the best practices
- ◆ **Water Convention**, with 18 sessions where papers will be presented on various themes
- ◆ **Startup Forum** where startups will get an opportunity to pitch for their ideas
- ◆ **Exhibition** spread over 4,800 square meters, which will serve as an excellent opportunity for businesses to showcase their products and solutions and connect with potential partners and customers.

## PROGRAM OVERVIEW

The India Water Week 2024 will comprise of various sessions under different tracks. An overview of the program is given below:

Track	No. of Sessions	Brief Details	Format
Inaugural & Valedictory	2	Inauguration and closing functions to be graced by Chief Guests, Minister (Jal Shakti) and other dignitaries.	Plenary / Seminar
Ministerial Plenary	1	Ministers from various countries will share their country perspectives on water sector .	Plenary / Seminar
Global Water Leaders Plenary	2	Global Perspectives on the theme of IWW by Water leaders.	Plenary / Seminar
Country Forum	4	Country Forum on the sidelines of IWW will have four Sessions being organized by various countries including India-EU forum.	Seminar / Panel
Water Leaders Forum	9	National/ International experts from Public and Private Sector, Policy Makers, Research and Academia, Multilateral development institutions, Non-Government sector etc. will deliberate on various themes/ sectors of water management.	Seminar / Panel
Practitioners' Forum	8	Practitioners and Experts implementing water sector programs, initiatives and policies will share their implementation experiences, lessons learnt and best practices.	Seminar / Panel
Startup Forum	1	Startups and innovators will share their ideas and innovations related to water sector.	Seminar / Pitch
Youth Forum	1	Young student leaders will share their ideas about the water.	Seminar
Water Convention (Paper Presentations)	18	Authors of the shortlisted papers on various sub-themes and topics for IWW will be invited for presentation in various sessions.	Seminar





## INAUGURAL AND VALEDICTORY PLENARY

Inaugural Session will formally open the 8th India Water Week 2024 on 17th September 2024 and Valedictory Session will formally close IWW-2024 on 19th September 2024.

### INAUGURAL OF INDIA WATER WEEK

Hon'ble President of India accompanied by other dignitaries will formally Inaugurate 8th Water Week 2024 at 10.30 am. The Chief Guest and other dignitaries will deliver their message

### VALEDICTORY SESSION

#### Formal Closure of IWW-2024

The Valedictory session will formally close 8th India Water Week 2024 on 19.09.2024 at 05.15 pm.

## MINISTERIAL PLENARY

Ministerial Plenary will be a high level forum, which will have participating Ministers from various countries sharing their country perspectives on water sector management.

#### Ministerial Plenary

**Date : 17.09.2024**

**Time : 11:45 Hrs. to 12:45 Hrs.**

**Plenary Hall, Bharat Mandapam**

In a world of scarce resources – financial as well as natural – political attention and commitment are vital to ensure good decision-making and the necessary investments in the development and management of water resources. Bringing water resources issues to the top of the political agenda is fundamental to the long-term success of sustainable water resources management.

Through Ministerial Plenary, IWW-2024 will forge the political will to act. Participating Ministers from various countries will share their vision and programs for water sector with focus on the theme of IWW-2024.



## GLOBAL WATER LEADERS' PLENARY

Global Water Leaders will share their perspectives and insights on “Partnerships and Cooperation for inclusive Water Development and Management”.

### **Session GWLPLN-I Global Water Leaders' Plenary-I**

**Date: 17.09.2024 | Time: 14:00 Hrs. to 15:15 Hrs. | Plenary Hall, Bharat Mandapam**

Water is one of the most vital resources, and the challenges facing the water sector are getting acute – from floods and droughts to lack of clean drinking water and sanitation and pollution of rivers and water bodies. Water sector requires collective approach with partnerships and cooperation across sectors, boundaries and institutions towards integrated water resource management to ensure water security for all.

Many countries and organizations across the world are working on various initiatives to address the water challenges. There are lessons to be learnt to accelerate action to face the water crisis and transform water sector management. Water leaders from across the global organizations and institutions will share their experiences, insights and perspectives on “Partnerships and Cooperation for inclusive Water Development and Management”.

### **Session GWLPLN-II Global Water Leaders' Plenary-II**

**Date: 17.09.2024 | Time: 15:30 Hrs. to 17:00 Hrs. | Audi-I, Bharat Mandapam**

Partnerships and Cooperation for Inclusive Water Development and Management

## COUNTRY FORUM (Four Sessions)

Country Forum on the sidelines of IWW 2024 will have sessions convened by country partners, which will showcase the opportunities in water sector in respective countries for cooperation and collaboration between Governments and Businesses. The sessions will highlight the country best practices and sharing of experiences in water sector.

<b>Session CF1</b>	<b>COUNTRY SESSION BY DENMARK</b> <b>Date: 17.09.2024   Time: 17.00 to 18.30 hrs.   Audi-I</b>
<b>Session CF2</b>	<b>COUNTRY SESSION BY AUSTRALIA AND ISRAEL</b> <b>Date: 18.09.2024   Time: 10.00 to 11.30 hrs.   Audi-I</b>
<b>Session CF3</b>	<b>COUNTRY SESSION BY SINGAPORE + GUYANA, ZIMBABWE, VIETNAM, INDONESIA, ETHIOPIA, MOROCCO, OMAN, COMBODIA etc.</b> Countries shall share their experiences in water resources management. <b>Date: 18.09.2024   Time: 14.15 to 15.45 hrs   Audi-I</b>
<b>Session CF4</b>	<b>6th INDIA-EU WATER FORUM</b> <b>Date: 18.09.2024   Time: 10.00 to 17.00 hrs.   Hall-IV</b>



## WATER LEADERS' FORUM (9 Sessions)

Water Leaders Forum will host 9 sessions covering important water themes and sectors. National/ International experts from Industry, Public Sector, Policy Makers, Research and Academia, Multilateral development institutions, Non-Government sector etc. will deliberate on various aspects of water management. There will be key note speakers, thematic presentations and panel discussions across the sessions.

### Session WLF1

### Integrated Surface and Ground Water Management

**Date: September 18, 2024 | Time: 11:45 to 13:15 Hrs. | Hall-I**

Integrated surface and groundwater storage management is critical for India's future water security. Integrated management can lead to multiple benefits across scales including increasing water productivity, water security, increase in crop intensity, and environmental benefits. This session will discuss approaches and methods to promote and operationalize integrated management to reap the opportunities and benefits.

This includes sustainable strategies, including recharge augmentation, storage mapping and governance measures, to ensure water security amidst rising demand and climate change.

The session will contribute to the development of national plans and policies for integrated surface and ground water management in India. The Session will focus on:

- Assessing the current state of integrated Surface and Groundwater Management in India, identifying key stakeholders involved, and discussing successful examples of integrated surface and groundwater management both within the country and internationally, along with lessons learned.
- Exploring the barriers to widespread adoption of integrated surface and groundwater management, including socio-political challenges, lack of comprehensive understanding, and the fragmented responsibilities between agencies managing surface and groundwater.
- Identifying the institutional, technical, and managerial requirements necessary for the effective implementation of integrated surface and groundwater management.



<b>Session WLF2</b>	<b>Demand Management and Water Use Efficiency</b>
<b>Date: September 18, 2024   Time: 16:00 to 17:30 Hrs.   Hall-III</b>	
<p>The experience suggests that meeting the challenge of water scarcity requires both a supply management strategy, coupled with a vigorous demand management involving comprehensive reforms and actions to optimize the use of existing supplies.</p> <p>Demand Management and Water Use Efficiency (DM&amp;WUE) requires a holistic approach that recognizes the complexity of the inter-relationships among all the factors affecting water demand. It calls for the creation of an enabling environment based on an adequate set of mutually supportive policies and a comprehensive legal framework with a coherent set of incentives and regulatory measures to support these policies.</p> <p>However, policies and regulations, though necessary, are not sufficient. Putting DM&amp;WUE into practice also means strengthening and/or creating institutions and mechanisms that can transcend the traditional boundaries between sectors and involve effectively a variety of users and other stakeholders.</p> <p>DM&amp;WUE requires recognition of the economic value of water in different uses along with the acceptance of the notion of opportunity cost and attention to cost recovery, though with concern for affordability and securing the human right for access to water for everybody and particularly for the poor.</p> <p>The session will discuss the experience in managing water scarcity through DM&amp;WUE and pathways to effectively manage the demand and achieve greater water use efficiency.</p>	

<b>Session WLF3</b>	<b>Partnerships for Accelerating Innovation in Water Sector</b>
<b>Date: September 19, 2024   Time: 9:30 – 11:00 Hrs.   Auditorium – I</b>	
<p><b>Objective:</b> Discuss opportunities for forging new partnerships and collaboration to promote innovation and new technologies in the water sector.</p> <p><b>Context:</b> Business-as-usual approaches and traditional technological choices are insufficient to address the current water crises and meet the need of water security. The water sector has historically been conservative, risk averse, and slow to adopt and disseminate new technologies. It remains underfunded and water service providers are frequently resource-limited, lacking sufficiently skilled staff and financing to invest in researching, testing, and deploying new technologies.</p> <p>Data and information driven by artificial intelligence, machine learning are transforming hold immense potential for improving decision making in water sector and providing more sustainable management practices.</p> <p>The need to forge new partnerships and collaborations in water sector is paramount. By making the water sector a hub for innovation and new technologies, we can ensure a more sustainable future. This will require new connections, integrations and partnerships amongst Government, Industry, Research and Academia, Venture Capital and Innovation Ecosystem.</p>	





<b>Session WLF4</b>	<b>Integrated Flood Management</b>
<b>Date: September 19, 2024   Time: 09:30 to 11:00 Hrs. ICID, Commissioner (FM),   Hall-III</b>	
<p>Integrated Flood Management (IFM) integrates land and water resources development in a river basin, within the context of Integrated Water Resources Management, with a view to maximizing the efficient use of flood plains and to minimizing loss of life and property.</p> <p>Integrated Flood Management, like Integrated Water Resources Management, should encourage the participation of users, planners and policymakers at all levels. The approach should be open, transparent, inclusive and communicative; should require the decentralization of decision-making; and should include public consultation and the involvement of stakeholders in planning and implementation.</p> <p>The management of floods as problems in isolation almost necessarily results in a piecemeal, localized approach. Integrated Flood Management calls for a paradigm shift from the traditional fragmented approach, and encourages the efficient use of the resources of the river basin as a whole, employing strategies to maintain or augment the productivity of flood plains, while at the same time providing protective measures against the losses due to flooding.</p>	

<b>Session WLF5</b>	<b>Sustainable Water Management for Industry and Businesses</b>
<b>Date: September 19, 2024   Time: 11:15 to 12:45 Hrs.   Auditorium – I</b>	
<p><b>Objective:</b> Discuss the sustainable water management practices to enable industrial development and growth</p> <p><b>Context:</b> Industrial water and wastewater is a by-product of industrial or commercial activities. Whether it's the food we eat or the products we consume, water is required for nearly every step of production across a multitude of different industries. The resulting wastewater must be carefully managed.</p> <p>Industrial water use includes water used for such purposes as fabricating, processing, washing, diluting, cooling, or transporting a product; incorporating water into a product; or for sanitation needs within the manufacturing facility.</p> <p>Improved water management and reliable access to water is essential for business development and reduced investment risk. Industrial areas that use water unsustainably are likely to direct more resources to ensure adequate access to water or are likely to suffer from intermittent water supply and/or poor water quality.</p> <p>The session will reflect on the sustainable strategies for water management to enable industrial and economic growth with focus on:</p> <ul style="list-style-type: none"> <li>• Integrated Water Resource Management</li> <li>• Water Neutrality for Industry</li> <li>• Alternate Sources of Water</li> <li>• Partnership between Industry and Government for water and wastewater initiatives</li> <li>• Improving Water Use Efficiency</li> <li>• Water Resilient Industry</li> </ul>	



<b>Session WLF6</b>	<b>Partnerships for Climate Action in Water Sector</b>
<b>Date: September 19, 2024   Time: 11:15 to 12:45 Hrs.   Hall – III</b>	
<p><b>Objective:</b> Discussion on experiences from India and other countries towards mainstreaming climate action in water sector</p> <p><b>Context:</b> Water and climate change are inextricably linked. Climate change affects the world’s water in complex ways. From unpredictable rainfall patterns to shrinking ice sheets, rising sea levels, floods and droughts – most impacts of climate change come down to water.</p> <p>Climate action refers to the efforts necessary to address climate change, including both adaptation and mitigation strategies. Climate adaptation refers to actions taken to help communities and ecosystems adapt to the adverse impacts of climate change that are already experienced or are expected to occur in the near future. Climate mitigation refers to action taken to reduce or prevent the emission of greenhouse gasses (GHG) that are root causes of climate change.</p> <p>Early warning systems for floods, droughts and other water-related hazards can significantly reduce disaster risk. Water supply and sanitation systems needs to be designed to withstand climate change. Climate-smart agriculture using drip irrigation and other means of using water more efficiently can help reduce demand on freshwater supplies.</p> <p>Dam safety is one of the vulnerable issue in changing climate scenario and needs to be strengthened for climate resilient infrastructure.</p> <p>The Session will discuss various aspects related to climate action including role of nature based solutions in mitigating impacts of water related climate extremes, model on government and non-government partnerships for effective climate action, role of innovative technologies in climate mitigation and community engagement for building climate resilience.</p>	

<b>Session WLF7</b>	<b>Partnership and Co-operation for Integrated Water Resources Management</b>
<b>Date: 19.09.2024   Time: 13:45 to 15:15 Hrs.   Audi – I</b>	
<p><b>Objective:</b> Discussing opportunities for accelerating adoption of IWRM at all levels towards transforming water sector and achieving SDGs</p> <p><b>Context:</b> Water sector has traditionally followed a silo approach which neglected partnerships and co-operation across sectoral and institutional boundaries. Integrated Water Resource Management has been widely accepted as framework for sustainable water management but its implementation has been tardy. The approach and principles of IWRM are relevant for water management at all levels (e.g., basin, sub-basin, state, district, municipal, coastal area etc.).</p> <p>The importance of IWRM for the SDG agenda can be seen in Target 6.5, which calls for implementation by 2030 of integrated water resources management at all levels. Apart from SDG 6, integrated water resources management is crucial for many other goals as well.</p> <p>Water leaders will share their insights on forging partnerships and cooperation at various levels of policy-making, planning and implementation in an integrated manner across sectoral, geographical and institutional boundaries. The speakers will share the successful cases and how these partnerships have delivered more optimized and sustainable solutions for water sector.</p>	



<b>Session WLF8</b>	<b>Public Private Partnerships in Water Sector</b>
<b>Date: September 19, 2024   Time: 13:45 – 15:00 Hrs.   Auditorium – I</b>	
<p><b>Objective:</b> Discuss opportunities to leverage private sector capabilities and financing to improve water infrastructure and service delivery</p> <p><b>Context:</b> In countries across the world, the water supply infrastructure is mostly built using government or public funding. In most developing countries, including India, private sector participation has been limited in both water infrastructure development, its operation and maintenance and service delivery.</p> <p>Private sector participation has the potential to bring more investment, but critically, better technology and management capabilities to drive innovation and efficiency, thereby building water security while enhancing customer satisfaction.</p> <p>The Session will look at the challenges facing water sector, strategies and success stories of private sector participation in various water sub sectors from bulk water supply to irrigation to urban and rural drinking water. It will also consider barriers to and enablers of private sector participation and solutions for governments to facilitate greater private sector role in water sector.</p>	

<b>Session WLF9</b>	<b>Circularity in Wastewater Management</b>
<b>Date: September 19, 2024   Time: 15:30 to 17:00 Hrs.   Auditorium – I</b>	
<p><b>Objective:</b> Discussing potential of reuse of treated domestic waste water especially in urban areas for reducing stress on freshwater resources and improving the water quality of natural water.</p> <p><b>Context:</b> By 2030, the world will generate about 470 billion cubic meters (BCM) of municipal wastewater, 44 per cent of which will be from Asia alone (UNEP 2023). The estimate for domestic wastewater generation from urban areas in India is about 32 BCM by 2030 (CEEW 2023). Also, various assessments suggest that half of the domestic used water enters the environment without adequate treatment (UN-Habitat and WHO 2021). Adopting a circular economy approach to wastewater management is globally recognized as a potential solution for reducing stress on freshwater resources and improving the water quality of natural water. This involves strengthening wastewater treatment infrastructure, maximizing the reuse of treated wastewater especially for non-potable purposes, and minimizing the quantum of untreated wastewater.</p> <p>India is taking comprehensive steps in this direction through national missions such as the National Mission for Clean Ganga (NMCG) and AMRUT 2.0. Further, the Global River Cities Alliance, announced by India at COP28, has commitments from about eleven other countries in knowledge sharing and building capacities for strengthening urban wastewater treatment systems and enabling reuse.</p> <p>The session aims to generate valuable insights on the following aspects, amongst others:</p> <ul style="list-style-type: none"> <li>• Governance models for strengthening wastewater management and reuse</li> <li>• Sustainable financing options for implementing treated wastewater reuse projects</li> <li>• Technological advancements for optimizing treatment and energy efficiency</li> <li>• Use of data and information for effective monitoring and evaluation</li> <li>• Institutional capacity-building and behavioral change experiments leading to public acceptance of treated wastewater</li> </ul>	





## PRACTITIONER'S FORUM (Seven Sessions)

Practitioner Forum will have sessions sharing the best practices in the implementation of the schemes and programs in various aspects of the water. Practitioners and Experts implementing water sector programs, initiatives and policies will share their implementation experiences, lessons learnt and best practices.

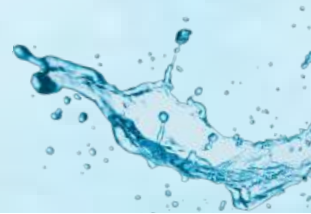
<b>Session PF1</b>	<b>Sustainable River Health Management</b>
<b>Date:17.09.2024   Time:15:30 to 17:00 Hrs.   Hall-III</b>	
<p>Rivers are under considerable stress due to pollution, deforestation, urbanization, and climate change. The consequences of neglecting river health can be dire, leading to water scarcity, adverse impact on public health and ecosystem degradation.</p> <p>Healthy rivers are essential for maintaining biodiversity and ecosystem services, sustainable and reliable water source for both human and natural systems and can mitigate flood risks in flood prone regions.</p> <p>India is implementing one of the largest river rejuvenation program through National Mission on Clean Ganga (Namami Gange) through a mission mode approach and partnerships and cooperation across the States, Cities, Industry, Civil Society and Public at large. There are some other successful initiatives also towards healthy river.</p> <p>The session will share experiences of various states in river health management &amp; river rejuvenation.</p>	

<b>Session PF2</b>	<b>Partnerships with Community for convergent action</b>
<b>Date:17.09.2024   Time:17:00 to 18:30 Hrs.   Hall-III</b>	
<p>Participatory approach is one of the key principles of IWRM. It seeks participation of all stakeholders in the decision making process and water management particularly women and other disadvantaged groups.</p> <p>Community participation is one of key strategies for managing water resources in an inclusive and sustainable way. In absence of meaningful community participation and ownership, sustainable water management poses a big challenge. Communities also provide a variety of perspectives, abilities, and knowledge to the task of boosting resilience and combating climate change.</p> <p>Instead of being viewed as only beneficiaries, Communities should be included as partners in sustainable and climate resilient water sector management.</p> <p>NGOs and other Advocacy Organizations can themselves contribute to water management and also mobilize community for participation in water management.</p> <p>The States and NGOs will share their experience of forging community participation and convergent action and related initiatives.</p>	

<b>Session PF3</b>	<b>Integrated Water Management in Agriculture – Irrigation 4.0</b>
<b>Date:18.09.2024   Time:10:00 to 11:30 Hrs.   Hall-II</b>	
<p>Participatory approach is one of the key principles of IWRM. It seeks participation of all stakeholders in the decision making process and water management particularly women and other disadvantaged groups.</p> <p>Community participation is one of key strategies for managing water resources in an inclusive and sustainable way. In absence of meaningful community participation and ownership, sustainable water management poses a big challenge. Communities also provide a variety of perspectives, abilities, and knowledge to the task of boosting resilience and combating climate change.</p> <p>Instead of being viewed as only beneficiaries, Communities should be included as partners in sustainable and climate resilient water sector management.</p> <p>NGOs and other Advocacy Organizations can themselves contribute to water management and also mobilize community for participation in water management.</p> <p>The States and NGOs will share their experience of forging community participation and convergent action and related initiatives.</p>	

<b>Session PF4</b>	<b>Springshed Management and Conservation Initiatives for Hilly States</b>
<b>Date:18.09.2024 Time:11:45 to 13:15 Hrs. Hall-III</b>	
<p>The local communities consider the springs holy due to their role in natural filtration of water as it travels through shallow and deep aquifers. Springs also serve the important hydrological function of sustaining winter and dry season stream flows in non-glaciated catchments, helping sustain riverine ecosystems and biodiversity. Despite the key role that springs play, they have not received due attention and many are drying up.</p> <p>Some States particularly in the hilly region, have done good work in the conservation and revival of springsheds. They will share their experiences including research work being done by National Institute of Hydrology in this regard.</p>	

<b>Session PF5</b>	<b>Open, Integrated and Shared Water Data and Informatics</b>
<b>Date:18.09.2024   Time:14:15 – 15:45 Hrs.   Hall- II</b>	
<p>Open, Integrated and Shared Water Data and informatics is essential for decision making for optimal and sustainable water management. Some of the States in India have taken initiatives towards making water data public and building various applications for water managers.</p> <p>National Hydrology Project has expanded and improved the extent, quality and accessibility of water resources data and information and has strengthened the capacity of various water resources management institutions in India. The program being implemented through the States and other Central Agencies across the country.</p> <p>The States will share the good practices in the field of water data and informatics along with world bank experts.</p>	



<b>Session PF6</b>	<b>Achieving Universal Access to Drinking Water in Urban and Rural Areas</b>
<b>Date: 19.09.2024   Time: 09:30 - 11:00 Hrs.   Hall-I</b>	
<p>India has launched an ambitious initiative of providing clean drinking water through taps to every rural household. More than 150 million taps have already been provided in rural areas. There are several challenges in delivering water supply through taps across the rural and remote areas including source sustainability, quality of drinking water and maintenance of the distribution network.</p> <p>Jal Jeevan Mission and Key States will share their experiences in implementing scheme and the best practices adopted and lessons learnt.</p>	

<b>Session PF-7</b>	<b>Partnership and Cooperation with NGO session for inclusive Water development and management</b>
<b>Date: September 18, 2024   Time: 16.00 to 17.30 Hrs.   Hall- II</b>	
<p>Despite substantial investment and development in the water sector, managing India's ever-increasing water demand has become extremely tough. If this does not improve, India's already water-stressed situation will deteriorate even worse. According to a Niti Aayog estimate from 2018, over half of India's 600 million people may face acute water scarcity by 2030. Community participation/Jan Bhagidaari is the only way to better prepare people to tackle adverse impacts of climate change and directly involve them in the conservation effort.</p> <p>Across India, several NGOs and concerned citizens are striving to address the approaching water problem. Their initiatives have helped in ecosystems restoration, climate resilient sustainable agriculture, integrated and efficient water management and climate change adaptation.</p>	

## YOUTH FORUM (One Session)

In order to sensitize youth about the water sector, a session has been planned for youth:

<b>Session Youth</b>	<b>Program for School Children</b>
<b>Date: September 18, 2024   Time: 11:45 Hrs. to 13:15 Hrs.   Audi-I</b>	
<p>Debate: Role of Water in Socio-economic Development of the Country</p> <p><b>Display of Model in the Student Corner in the Exhibition:</b> Water Conservation, Efficient Use of Water, Water Reuse &amp; Recycle etc.</p>	



## START UP FORUM (One Session)

Pitching of innovative ideas and solutions by Start-ups in water sector including waste water, flood, smart water tools and technologies, water Supply, R&D etc.

<b>Session SUF</b>	<b>Session for Startups to pitch their innovative ideas and solutions</b>
<b>Date: September 19, 2024   Time: 15:30 Hrs. to 17:00 Hrs.   Hall-III</b>	
<p>Startup play a dynamic and vibrant role in catalyzing innovative ideas and solutions in any sector. In order to overcome its myriad challenges, water sector needs many innovative ideas and solutions.</p> <p>Start-ups in water sector including waste water, flood, smart water tools and technologies, water Supply, R&amp;D etc. will pitch innovative ideas and solutions for inclusive and sustainable water management. AMRUT 2.0 has significantly advanced water and sanitation efforts by focusing on 100% coverage of water connections in statutory towns, ensuring that every household has access to clean and reliable water. It has also prioritized the rejuvenation of urban water bodies, the enhancement of sewage treatment capacities, and the reuse of treated wastewater, addressing the critical needs of urban sanitation.</p> <p><b>Session Overview:</b> The session will showcase eight innovative solutions supported through the India Pitch Pilot Scale Startup Challenge, focusing on innovations in Integrated Water Resources Development &amp; Management (IWRDM). The themes to be explored are technologies for improved water conservation, non-revenue water management, water quality monitoring and management, smart water infrastructure, water recycling and reuse, rainwater harvesting and groundwater recharge. The session will highlight the importance of integrating technology, entrepreneurship, and innovative solutions in addressing India's water challenges. The session will also explore the potential impact of these innovations on various aspects of water resource management, including water conservation, quality management, distribution, and efficient utilisation.</p>	

## IWW-2024 WATER CONVENTION (18 Sessions)

### (Paper Presentations and Poster Competition)

IWW-2024 Water Convention is a platform for gathering professionals and technology providers from around the world to share their knowledge, practical experiences, and novel technologies to address the current and emerging water challenges. It will have a plenary, 18 technical sessions and a poster session. The Water Convention will cover seven sub themes across water sector:

- (i) Collaboration and Cooperation for Water Security
- (ii) Integrated Water Resources Management
- (iii) Development Challenges in Water Sector
- (iv) Risk and new approaches to climate resilience
- (v) Ground Water Sustainability and Management
- (vi) Water Governance and Financing
- (vii) Water related disasters and its management

The Water Convention focuses on spurring knowledge sharing, fruitful discussions and engaging debates among water leaders and practitioners through high quality presentations on technological innovations, management strategies and best practices.

### Sub Theme 1 : Collaboration and cooperation for Water Security

Effective collaboration and cooperation among stakeholders are pivotal in achieving water security, especially under the evolving challenges posed by climate change and its impact on hydrology. This session will cover importance of such approaches to mitigate the adverse impact of climate change on water resources and achieve water security for all.

<b>Session WC1</b> Date: 17.09.2024 Time: 15:30 to 17:00Hrs. Hall-I	(i) Public Private Partnership (PPP) for Efficient Water Management in Urban and Rural Areas (ii) Need for Cooperation and Coordination for Water Security keeping in view of the Climate Change Scenario
<b>Session WC2</b> Date: 17.09.2024 Time: 17:00 to 18:30 Hrs. Hall-I	(iii) Synergizing Cooperation Across Boundaries (iv) From Water Conflicts to Cooperation

### Sub Theme 2 – Integrated Water Resources Development & Management

Integrated water resources development and management is an approach that promotes a holistic coordination between the water, land and other related sectors to optimize the outputs and make water available to all, including for human beings, livestock, agriculture, industrial, recreational and for environmental purposes. However, one of the major challenges in the implementation of the IWRM is the siloed approach to natural resources development and management. This session will cover the case studies on best practices of IWRM, including the opportunities, barriers and enablers in its implementation.

<b>Session WC3</b> Date: 17.09.2024 Time: 15:30 to 17:00 Hrs. Hall-II	(i) Integrated planning and conjunctive use of Surface Water and Ground Water (ii) Role of Inter Basin Water Transfer in Water Resources Development
<b>Session WC4</b> Date: 17.09.2024 Time: 17:00 to 18:30 Hrs. Hall-II	(iii) Inclusive Water Planning (iv) Issues in Water Scarcity and way forward (v) Water Quality – Issues and Challenges
<b>Session WC5</b> Date: 18.09.2024 Time: 10:00 to 11:30 Hrs. Hall-III	(vi) Knowledge Transfer and Skill Development in Water Sector (vii) Designing Optimal Cropping Pattern for Efficient Water Resource Utilization

### Sub Theme 3 – Challenges in Water Sector Infrastructure

World over, the water sector faces numerous challenges. These include climate change, increasing water demand, water stress and scarcity, water pollution, financial constraints, aging infrastructure, etc. Such challenges are of concern to countries in the global south which are still in the developing phase. This session will discuss such challenges and offer solutions to overcome them.

<b>Session WC6</b> <b>Date: 18.09.2024</b> <b>Time: 10:00 to 11:30 Hrs.</b> <b>Hall-I</b>	(i) Expansion of Micro Irrigation Infrastructure (ii) Water Infrastructure Development – Technological, Ecological, Financial Challenges etc. (iii) Waste Water Management – Recycle, Reuse and Circular Economy
<b>Session WC7</b> <b>Date: 19.09.2024</b> <b>Time: 15:30 to 17:00 Hrs.</b> <b>Hall-I</b>	(iv) Operation and Management of Water Assets and Infrastructure (v) Source Sustainability –Irrigation, Domestic Use etc.
<b>Session WC8</b> <b>Date: 18.09.2024</b> <b>Time: 14:15 to 15:45 Hrs.</b> <b>Hall-III</b>	(vi) Water Sanitation and Hygiene (WASH) (vii) Improvement in Water Use Efficiency in Existing Water Infrastructure

### Sub Theme 4 – Risk and New Approaches to Climate Resilience

Climate change is impacting extreme weather across the planet. Record-breaking heat waves on land and in the ocean, extreme rainfall events, severe floods, years-long droughts, extreme wildfires, and widespread flooding during hurricanes are all becoming more frequent and more intense. Thus, one of the major impacts of climate change is on the hydrological cycle. Traditional approaches to Water Resource Management (WRM) face challenges related to climate-induced risk, real-time data acquisition, inferring available data, and using it for decision-making. To address these challenges, innovative solutions are required. The theme of "Risk and New Approaches to Climate Resilience" for India Water Week 2024 aims to explore innovative strategies to address these challenges.

<b>Session WC9</b> <b>Date: 18.09.2024</b> <b>Time: 11:45 to 13:15 Hrs.</b> <b>Hall-III</b>	(i) Role of Advanced Technologies in Water Security (ii) Managing Climate Uncertainty in Water Sector (iii) Risks in Water Sector due to Climate Change
<b>Session WC10</b> <b>Date: 18.09.2024</b> <b>Time: 16:00 to 17:30 Hrs.</b> <b>Hall-I</b>	(iv) Utility of Artificial Intelligence and Geospatial Tools for Decision Making (v) Vulnerability of Water Bodies, Spring, Glaciers etc. due to Climate Change (vi) Participatory Precision Water Management for Ensuring Water Security





### Sub Theme 5 – Ground Water Sustainability and Management

Groundwater is the major water resource in the world. Its safe development and management is of paramount importance. This requires its continuous monitoring, robust data analysis, adaptive management strategies, and relevant policy interventions. This session will cover all such aspects.

<b>Session WC11</b> <b>Date: 18.09.2024</b> <b>Time: 14:15 to 15:45 Hrs.</b> <b>Hall-I</b>	(i) Ground Water Assessment – Tools & Techniques (ii) Challenges in Sustainable Management of Ground Water (iii) Water Security Plans at Local Level Chair: Shri S.K. Ambast, Chairman, CGWB
<b>Session WC12</b> <b>Date: 18.09.2024</b> <b>Time: 16:00 to 17:30 Hrs.</b> <b>Hall-III</b>	(iv) Ground Water Quality Related Challenges and Solutions (v) Ground Water Management Plans

### Sub Theme 6 – Water Governance and Financing

Effective water governance and the implementation of robust policies in water management are crucial. The climate change and continuous growth of world's population has put significant strain on water resources, resulting in severe repercussions. Water scarcity not only jeopardizes agriculture, the environment, industry, and energy sectors but also impacts society at large. Furthermore, water pollution can irreversibly damage water bodies, rivers, and aquifers, severely disrupting the water ecosystem. This session will cover the importance of effective water governance and implementation of robust policies in sustainable water management.

<b>Session WC13</b> <b>Date: 19.09.2024</b> <b>Time: 9:30 to 11:00 Hrs.</b> <b>Hall-II</b>	(i) Water Infrastructures – Financing and Operation & Maintenance Models (ii) Role of Policy in Water Security (iii) Convergence of Various Stakeholders in Water Sector
<b>Session WC14</b> <b>Date: 19.09.2024</b> <b>Time: 11:15 to 12:45 Hrs.</b> <b>Hall-II</b>	(iv) Beneficiaries' Participation in Water Planning and Management (v) Role of Women in Management of Water Resources (vi) Social Equity and Inclusion in the Water Sector
<b>Session WC15</b> <b>Date: 19.09.2024</b> <b>Time: 13:45 to 15:15 Hrs.</b> <b>Hall-II</b>	(vii) Harnessing Traditional Knowledge for Water Conservation (viii) Institutional Water Regulation Mechanism



### Sub Theme 7 – Water related Disasters and its Management

Water-related disasters such as glacier lake outburst, floods, droughts, and coastal storms pose significant threats to lives, property, and ecosystems. Effective management of these disasters requires an integrated approach combining risk assessment, preparedness, mitigation, response, and recovery. The session will delve on such aspects.

<b>Session WC16</b> Date: 19.09.2024 Time: 15:30 to 17:00 Hrs. Hall-II	(i) Glacial Lake Outburst Flood Risks and Mitigation (ii) Challenges in Management of Floods & Droughts
<b>Session WC17 &amp; 18</b> Date: 19.09.2024 Time: 13:45 to 15:15 Hrs. Hall-I	(iii) National Disaster Managements Policies and Action Plan (iv) Risk to Water Infrastructure due to Hydrological Changes in view of Climate Change and it's Management (v) Coastal Area Management (vi) Contingency Plans and Post-Disaster Management Interventions for Smallholder Agriculture

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Tentative Event Planner

**8<sup>th</sup> INDIA WATER WEEK-2024**

17-20 September, 2024 at Bharat Mandapam, Pragati Maidan, New Delhi

**Theme: "Partnerships and Cooperation for Inclusive Water Development and Management."**

DAY-1	10.30 hrs to 11.30 hrs	11.45 to 12.45 hrs	12.50 hrs	14.00 to 15.15 hrs	15.30 to 17.00 hrs	17.00 to 18.30 hrs		
Tuesday September 17, 2024	Plenary Hall	MINISTERIAL PLENARY (MINPL) Plenary Hall	INAUGURATION OF EXHIBITION (Hall - 12A)	GLOBAL WATER LEADERS' PLENARY (GWLPL-I) Plenary Hall	1. Audi-1 GLOBAL WATER LEADERS' PLENARY (GWLPL-II)	(CF-1)		
	Audi-1 Hall-1						WC-1	WC-2
	Hall-2						WC-3	WC-4
	Hall-3						PF-1	PF-2
							Cultural Event ( Plenary Hall ) & Dinner (Hall-12) from 19.00 hrs to 21.00 hrs	
DAY-2	10.00 to 11.30 hrs	11.45 to 13.15 hrs	Session-3 (14.15 to 15.45 hrs)					
Wednesday September 18, 2024	Audi-1	CF-2	YF-1	CF-3	WLF-2	Session-4 (16.00 to 17.30 hrs)		
	Hall-1	WC-6	WLF-1	WC-11	WC-10			
	Hall-2	PF-3	PF-4	PF-5	PF-7			
	Hall-3	WC-5	WC-9	WC-8	WC-12			
	Hall-4	CF-4	[6 <sup>th</sup> INDIA EU Water Forum (10.00 hrs to 17.00 hrs.)]		Session-4 (15.30 hrs to 17.00 hrs)			
DAY-3	09.30 hrs to 11.00 hrs	11.15 hrs to 12.45 hrs	Session-3 (13.45 hrs to 15.15 hrs)					
Thursday September 19, 2024	Audi-1	WLF-3	WLF-5	WLF-7	WLF-9			
	Hall-1	PF-6	PF-8	WC-17 & WC-18	WC-7			
	Hall-2	WC-13	WC-14	WC-15	WC-16			
	Hall-3	WLF-4	WLF-6	WLF-8	(SUF)			
	VALEDICTORY SESSION (VA) (Audi-11) (17.15 hrs to 18.15 hrs) Tentative High Tea 18.30 hrs ( Hall 12)							
DAY-4 Friday September 20, 2024	STUDY TOUR (20 <sup>th</sup> Sept., 2024) (Tour 1-Agra, Tour 2-Delhi Local) 07.00 hrs to 20.00 hrs							

PLENARY HALL (3000 PAX)	AUDI - AUDITORIUM - I (600 PAX)	AUDI - AUDITORIUM -II (900 PAX)	HALL - I (200 PAX)	HALL - II (200 PAX),	HALL - III (200 PAX)	HALL - IV
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<b>CF-COUNTRY FORUM (4)</b>		<b>YF-YOUTH FORUM (1)</b>
<b>CF1</b> Country Session by DENMARK		<b>Session Youth Program for School Children</b>
<b>CF2</b> Country Session by ISRAEL and Australia		<b>SUF-STARTUP FORUM (1)</b>
<b>CF3</b> Country Session by Singapore Guyana, Zimbabwe, Vietnam, Indonesia, Ethiopia, Morocco, Oman, Cambodia etc.		<b>SUF</b> Session for Startups to pitch their innovative ideas and solutions
<b>CF-4</b> 6 <sup>th</sup> INDIA EU Water Forum		<b>WC-WATER CONVENTION (18)</b>
<b>WLF - WATER LEADER FORUM (9)</b>		<b>WC1</b> (i) Public Private Partnership (PPP) for Efficient Water Management in Urban and Rural Areas (ii) Need for Cooperation and Coordination for Water Security keeping in view of the Climate Change Scenario
<b>WLF1</b> Integrated Surface and Ground Water Management		<b>WC2</b> (iii) Synergizing Cooperation Across Boundaries (iv) From Water Conflicts to Cooperation
<b>WLF2</b> Demand Management and Water Use Efficiency		<b>WC3</b> (i) Integrated planning and conjunctive use of Surface Water and Ground Water (ii) Role of Inter Basin Water Transfer in Water Resources Development
<b>WLF3</b> Partnerships for Accelerating Innovation in Water Sector		<b>WC4</b> (iii) Inclusive Water Planning (iv) Issues in Water Scarcity and way forward (iv) Issues in Water Scarcity and way forward
<b>WLF4</b> Integrated Flood Management		<b>WC5</b> (vi) Knowledge Transfer and Skill Development in Water Sector (vii) Designing Optimal Cropping Pattern for Efficient Water Resource Utilization
<b>WLF5</b> Sustainable Water Management for Industry and Businesses		<b>WC6</b> (i) Expansion of Micro Irrigation Infrastructure (ii) Expansion of Micro Irrigation Infrastructure (iii) Water Infrastructure Development – Technological, Ecological, Financial Challenges etc.
<b>WLF6</b> Partnerships for Climate Action in Water Sector		<b>WC7</b> (iv) Operation and Management of Water Assets and Infrastructure (v) Source Sustainability -Irrigation, Domestic Use etc.
<b>WLF7</b> Partnership and Co-operation for Integrated Water Resources Management		<b>WC8</b> (vi) Water Sanitation and Hygiene (WASH) (vii) Improvement in Water Use Efficiency in Existing Water Infrastructure
<b>WLF8</b> Public Private Partnerships in Water Sector		<b>WC9</b> (i) Role of Advanced Technologies in Water Security (ii) Managing Climate Uncertainty in Water Sector (iii) Risks in Water Sector due to Climate Change
<b>WLF9</b> Circularity in Wastewater Management		<b>WC10</b> (iv) Utility of Artificial Intelligence and Geospatial Tools for Decision Making (v) Vulnerability of Water Bodies, Spring, Glaciers etc. due to Climate Change (vi) Participatory Precision Water Management for Ensuring Water Security
<b>PF-PRACTITIONER'S FORUM (7)</b>		<b>WC11</b> (i) Ground Water Assessment – Tools & Techniques (ii) Challenges in Sustainable Management of Ground Water (iii) Water Security Plans at Local Level
<b>PF1</b> Sustainable River Health Management		<b>WC12</b> (iv) Ground Water Quality Related Challenges and Solutions (v) Ground Water Management Plans
<b>PF2</b> Partnerships with Community for convergent action		<b>WC13</b> (i) Water Infrastructures – Financing and Operation & Maintenance Models (ii) Role of Policy in Water Security (iii) Convergence of Various Stakeholders in Water Sector
<b>PF3</b> Integrated Water Management in Agriculture – Irrigation 4.0		<b>WC14</b> (iv) Beneficiaries' Participation in Water Planning and Management (v) Role of Women in Management of Water Resources (vi) Social Equity and Inclusion in the Water Sector
<b>PF4</b> Springshed Management and Conservation Initiatives for Hilly States		<b>WC15</b> (vii) Harnessing Traditional Knowledge for Water Conservation (viii) Institutional Water Regulation Mechanism
<b>PF5</b> Open, Integrated and Shared Water Data Informatics		<b>WC16</b> (i) Glacial Lake Outburst Flood Risks and Mitigation (ii) Challenges in Management of Floods & Droughts
<b>PF6</b> Achieving Universal Access to Drinking Water in Urban and Rural Areas		<b>WC17</b> (iii) National Disaster Managements Policies and Action Plan (iv) Risk to Water Infrastructure due to Hydrological Changes in view of Climate Change and it's Management
<b>PF7</b> Partnerships and Cooperation with NGOs for inclusive Water development		<b>WC18</b> (v) Coastal Area Management (vi) Contingency Plans and Post-Disaster Management Interventions for Smallholder Agriculture
<b>PF8</b> Water Prosperous World : Synergising Harit Actions for Ecological Sustainability and Human Wellbeing .		





## **DIRECTOR GENERAL NATIONAL WATER DEVELOPMENT AGENCY**

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