

## Global Water Data Infrastructure Initiative

Section 1: General Information	
Summary	IPE proposes the establishment of a global water data infrastructure. This initiative seeks to make water data globally accessible and usable via an integrated platform, enhancing the collection and application of existing data and encouraging new data generation in under-resourced areas. It aims to raise awareness on water conservation, empower multi-stakeholder governance, enable informed decision-making, create accountability and market incentive mechanisms, and foster innovative solutions.
Proponent Name(s)	Institute of Public and Environmental Affairs (IPE)
Proponent Type	International Organizations and Civil Society Organizations
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Region	Asia Pacific

Section 2: Commitment	
Linkages to SDG 6	Safe and Affordable Drinking Water, Improve Water Quality, Wastewater Treatment and Safe Reuse, Implement Integrated Water Resources Management, Protect and Restore Water-Related Ecosystems, Expand Water and Sanitation Support to Developing Countries, Sup
Target	<p>Safe and Affordable Drinking Water: By enhancing transparency and accessibility of water data, the initiative supports the identification of areas lacking safe and affordable drinking water. This facilitates targeted actions to improve water access and quality, directly contributing to achieving this target.</p> <p>Improve Water Quality, Wastewater Treatment and Safe Reuse: The initiative's focus on consolidating and sharing water quality data helps in identifying pollution sources and areas with poor water quality. This enables the implementation of effective wastewater treatment solutions and promotes the safe reuse of water, aligning with the goal to improve water quality globally.</p> <p>Implement Integrated Water Resources Management: By promoting the establishment of a global water data infrastructure,</p>

	<p>the initiative supports integrated water resources management. The availability of comprehensive water data allows for informed decision-making and enhances the capacity for effective management and allocation of water resources, fostering sustainable use and conservation efforts.</p> <p>Protect and Restore Water-Related Ecosystems: The initiative aims to identify and bridge information gaps related to water ecosystems. By facilitating the sharing of data on water quantity, quality, and ecosystem health, it supports efforts to protect and restore water-related ecosystems, ensuring their resilience and continued provision of essential services.</p> <p>Expand Water and Sanitation Support to Developing Countries: Through mobilizing support for capacity building and providing technical and financial assistance to underdeveloped regions, the initiative directly contributes to expanding access to water monitoring and reporting capacities in developing countries. This is crucial for enhancing the sustainability and management of water resources in these regions.</p> <p>Support Local Engagement in Water and Sanitation Management: The initiative emphasizes the importance of multi-stakeholder governance and local community engagement in water management. By democratizing access to water data and encouraging local data contributions, it empowers communities to participate more actively in managing their water resources, thereby supporting this target.</p>
Linkages to other SDG	Industry, Innovation And Infrastructure, Sustainable Cities And Communities, Responsible Consumption And Production, Life Below Water, Partnerships For The Goals

Section 3: Actions and Outcomes to Achieve Targets	
Relevant Sub-Theme	Water Security and Prosperity, Governance, Cooperation and Hydro-diplomacy, Knowledge and Innovation
Actions and Outcomes	Vision: To safeguard water as a global common good, the Institute of Public and Environmental Affairs (IPE) proposes the establishment of a global water data infrastructure. This initiative aims to democratize water data access and usage worldwide through an integrated data platform. The infrastructure will not only facilitate the aggregation and utilization of existing water data, but also encourage the development of new data generation capabilities, especially in areas with limited resources and monitoring capability. We believe the water data infrastructure will help raise global awareness on

water conservation, empower multi-stakeholder governance, enable informed decision-making, create accountability and market incentive mechanisms, and foster innovative solutions.

Implementation Roadmap:

Step 1: Consolidate and Share Data

- Identify water quality, quantity, emission and water ecosystem data from publicly available sources.
- Call for the consolidation of publicly available water data into a water data platform with maps and other visualized tools to promote data accessibility and transparency.

Step 2: Enhance Regional Data Contributions

- Motivate regions to engage with the global water data framework, identify and contribute the data they have, thereby enrich the global water data landscape.

Step 3: Promote water conservation and good governance based on data

- Assess the performance of water quality and/or stress in various regions and promote water conservation and good governance.
- Assess the water performance of corporations and integrate corporate water performance in sourcing codes and financial decision making process.

Step 4: Bridge Information and Monitoring Gaps

- Utilize the global water data infrastructure framework to pinpoint crucial information for all stakeholders, as well as gaps in monitoring and reporting, and develop strategies to bridge these gaps.

Step 5: Mobilize Support for Capacity Building

- Call for developed regions, multilateral organizations, coalitions, and multilateral development banks (MDBs) to share best practices, provide capacity building and technical and financial support for underdeveloped regions in working towards a global platform/data governance framework.

Step 6: Promote Global Data Standardization and Mutual Recognition

- Facilitate discussions and consensus-building among regions and businesses on water monitoring norms and reporting formats etc., aiming for global harmonization, consistency, and mutual recognition to enhance data interoperability.

Outcome: Through these strategic steps, the Global Water Data Infrastructure initiative seeks to empower public access to and understanding of key water data, establish a robust data support system that will enable participatory and science based decision-

	making for the sustainable management and protection and equitable, rational, and efficient utilization of global water resources.	
Implementation Period	Start Period	3/22/2018
	End Period	3/22/2028
Financial Commitment	Seed funding 3 million dollars, + 7 million dollars by stages from various sources.	