



FORUM MONDIAL  
DE L'EAU (04/05/2021)

## 9<sup>th</sup> World Water Forum

### Action Group 2A – Ensure universal access to water (in rural areas)

*Action Group 2A is invited to implement activities that will help to ensure universal access to drinking water for rural development, and contribute directly in achieving SDGs 6.1 and 1.4. We propose to articulate our activities (ideas, projects) around 4 themes to contribute effectively in achieving universal and **equitable access to safe drinking water** in rural areas: (i) **Governance and institutional framework** for universal access to safe drinking water in rural areas; (ii) **Mapping and monitoring data platform**; (iii) **Sustainable water resources development and technological options** for developing growth investments.; (iv) **Service delivery models** for rural water supply.*

*A description of each theme is proposed in the table below, an activity can cover more than one theme. We also proposed a template of proposal to be completed to facilitate coordination. **The inclusion of topics such as raising awareness of the importance of water resources, promoting co-responsibility (inclusion) in its management, and fostering a water culture as cross-cutting themes in each of the actions, is relevant.***





<b>Project 1 – INVOLVING LOCAL COMMUNITY FOR SAFE AFORDABLE SUSTAINABLE WATER FOR ALL</b>	Educate and Involve the rural community in addressing the water issues	<ul style="list-style-type: none"> <li>• Guidelines to Educate and Involve the rural community about the water issues and solutions;</li> <li>• Decentralize water supply schemes</li> </ul>	6.1 6.B	Earth Science Center	<ul style="list-style-type: none"> <li>• National and local authorities;</li> <li>• Private sector (Consulting firms)</li> <li>• NGOs</li> </ul>	YES		2B 2E 3F
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**DESCRIPTION AND INFORMATION OF PROJECT 1:**

Rural areas have traditional wisdom which has been inherited since time immemorial. Each community has particular problem. Any solution proposed by action group should blend the modern advancement solutions with local problems. The main aim of the proposal will be to educate the rural community about the water issues and involve them in implementing the water solutions. It should be a two-way solution with better coordination between Government and the village communities. The Water solution suggested should be based on proposing water supply schemes which suggest less transportation of water, less dependency on electricity, more use of local water resources including judical use of groundwater and surface water. Keeping the local water bodies clean from pollution is biggest challenge for providing affordable clean safe free water for all. Cleanliness is the key solution to all water problems. Separate budget for maintaining good sanitation and sewerage works. Will go a long way to provide SAFE FREE SUSTAINABLE WATER to all

I expect that if we follow these guidelines and decentralise the water supply schemes with involvement of the village communities then we can achieve the target of providing affordable drinking water to all in a very short and sustainable way. The water project planned in such a way will give 24x7 clean water at very affordable price which in due course of time will be almost free. The investments made in sewerage and treatment plants are very less in comparison to the money spent on transporting clean water from other sources. If we can add the mantra of CLEAN VILLAGE WATER then our 80-90 % problem is solved.



<p><b>ACTION TITLE 2: Mapping and monitoring data platform</b></p> <p>The availability of data and information on existing asset and water services (infrastructure and operational) in rural areas is a major challenge for assessing the impact of previous interventions, and informing decision-making processes (development of new policies, new water supply services) in order to achieve universal access to safe drinking water. It is so important to explore how best data and information can be collected, analyzed, and presented to support informed decision-making at different levels (local, national, regional), and global monitoring and assessment initiatives. Actions or initiatives in relation to the collection and availability of data and information are encouraged. Overall Objective: <b>Explore how best data and information can be collected, analyzed, and presented to support informed decision-making from local level and national levels to global levels.</b></p> <p>Overall purpose and expected results: <b>Digital mapping of water supply systems on a web platform (Cloud); Real time reporting of the exploitations of the water supply systems;</b></p> <p>Overall SDGs Alignment: <b>6.1, 6.3, 6.4</b></p> <p>Coherence with other Priorities: <b>4E</b></p>								
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<p><b>PROJECTS INCLUDED</b> <i>In order of priority and level of impact</i></p>	<p><b>OBJECTIVE</b></p>	<p><b>EXPECTED RESULTS</b></p>	<p><b>SDGs ALIGNMENT</b></p>	<p><b>IMPLEMENTATION</b></p>	<p><b>PARTICIPANTS AND STAKEHOLDERS REPRESENTATIVENESS</b></p>	<p><b>REPLICABILITY IN OTHER CONTEXTS</b></p>	<p><b>REGIONAL REPRESENTATIVENESS</b></p>	<p><b>POTENTIAL OVERLAPPING OR COHERENCE WITH OTHER AGs</b></p>
<p><b>Project 1 – eTRANSFORM RURAL WATER SUPPLY SECTOR : Benin Case</b></p>	<p>Water schemes asset control, Operation &amp; Maintenance and service delivery monitoring using ICT and artificial intelligence.</p>	<ul style="list-style-type: none"> <li>Digital mapping and folding of all information on existing water supply systems components, as well as their operation and maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Digital mapping of 649 existing water supply systems on a web platform (Cloud);</li> </ul>	<p>6.1, 6.3, 6.4</p>	<ul style="list-style-type: none"> <li>ANAEPMR</li> </ul>	<ul style="list-style-type: none"> <li>National and local authorities;</li> <li>Private sector (Consulting firms)</li> <li>Financial partner NGOs</li> </ul>	<p>Yes</p>	<p>4 E</p>



FORUM MONDIAL  
DE L'EAU 2008-2021

		<p>through web-based platform. The platform would serve to manage the customer portfolio, and to establish at different geographic scale, data on the number of systems, the rate of service, the number of reservoirs, the number and categories of energies, the number and different types of service points, the length and the different categories of network.</p>	<p>Real time reporting of operation &amp; maintenance of the existing piped water schemes;</p>					
<p><b>Project 2 – DIGITAL MANAGEMENT OF THE PLANNING OF TECHNICAL STUDIES AND SUPERVISION OF</b></p>	<p>Unsure the uniqueness and homogeneity of all the knowledge and performance</p>	<p>Allow from a web platform and with maximum efficiency to :</p> <ul style="list-style-type: none"> <li>• Organize and monitor the</li> </ul>	<p>Integrate in a unique and useful web platform :</p> <ul style="list-style-type: none"> <li>• data on the components</li> </ul>	<p>6.1, 6.3, 6.4</p>	<ul style="list-style-type: none"> <li>• ANAEPMR</li> </ul>	<ul style="list-style-type: none"> <li>• National and local authorities;</li> <li>• Private sector (Consulting)</li> </ul>	<p>Yes</p>	<p>4 E</p>



<b>THE CONSTRUCTION OF DRINKING WATER SYSTEMS IN BENIN</b>	monitoring services of water systems	contract of the water systems operation companies; <ul style="list-style-type: none"> <li>• Plan and monitor the execution and acceptance of construction work for new systems and upgrade of existing systems;</li> <li>• Add value to all water systems at all times;</li> <li>• Plan the renewal of water systems infrastructure.</li> </ul>	of existing DWS systems <ul style="list-style-type: none"> <li>• data on future DWS systems</li> </ul>			firms; Construction companies) <ul style="list-style-type: none"> <li>• Financial partner</li> <li>• NGOs</li> </ul>		
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**DESCRIPTION AND INFORMATION OF PROJECT 1 and 2:**

Decision-makers and managers of DWS projects often face the challenge of the availability of useful data on DWS in rural areas, and their operation. To meet this challenge, and succeed in giving universal access to drinking water in an equitable way to the rural populations of Benin, the government of Benin through the ANAEPMR, engaged based on DWS assets inventory in rural areas in 2019, the implementation of (i) of digital documentation of existing assets, and (ii) digital management of technical studies and monitoring of the execution of drinking water supply works. The implementation of the project allows the monitoring of DWS and operators performance of, and provide a data room in form of interactive dashboards available at different levels (the national, departmental, municipal, and local). The tool is organized to ensure the automated updating of DWS assets data from the technical design studies phase, until their completion and final acceptance.





<b>Project 1 - SUPPLY OF WATER FILTRATION STATIONS TO COMMUNITY THAT HAVE ACCESS TO CONTAMINATED WATER SOURCES</b>	Partnership between Smaller and Larger Water Enterprises to supply appropriate technology for different rural settings	<ul style="list-style-type: none"> <li>• To highlight the importance of synergy between Small Water Enterprises and Large Water Enterprises in meeting WHO standards for drinking water.</li> <li>• Mapping of SWEs in country and continent, to see how technologies can be merged or used at different rural settings</li> </ul>	<ul style="list-style-type: none"> <li>• Partnerships for action between Smaller and Larger Water Enterprises</li> <li>• A document on water technologies and mapping of</li> </ul>	6.1; 6.A	<ul style="list-style-type: none"> <li>• Easy Water for Everyone</li> </ul>	<ul style="list-style-type: none"> <li>• National and local authorities;</li> <li>• Private sector (Consulting firms) NGOs</li> </ul>		3C 4E
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**DESCRIPTION AND INFORMATION OF PROJECT 1:**

To synergize operations, partnership is necessary for SWEs with larger Water Enterprises. In areas where large technologies are not possible SWEs can should be engaged to take up the task in providing water at the nation and WHO quality standards.

Conscious efforts must be made to map SWEs in country and continent, to see how technologies can be merged or used at different rural settings.

One document on water technologies available in countries and on the continent. This will provide an opportunity to for organizations to learn from each other and avoid the duplication of efforts and enhance cost management on projects. This will ensure that the appropriate technology is applied in different settings





**ACTION TITLE 4: Service delivery models for rural water supply**

Universal access to safe drinking water cannot be limited to the development of infrastructure (drilling, pumping stations, water tower, pipelines, etc.), but must also be extended to qualitative service that meet expectations. Unlike in urban areas, professional management of public water services in rural areas is not common. Globally, 30% of people do not have access to safely managed DWS. The management of services is often associated to many risks, without suitable contract that accommodates compliance with contractual requirements and comprehensives capital and operating expenses.

Regardless of the choice of water resource, technology or investment, the continuity and sustainability of access to DWS in rural areas depend on the service delivery models (assets and service management). Actions that highlight the effectiveness of specific water management model in rural areas, especially the co-responsibility in the water management are relevant.

Overall Objective: **Assess the effectiveness of different service delivery models for rural water supply.**

Overall purpose and expected results: **Corollate the Service delivery models with sustainable DWS in rural areas**

Overall SDGs Alignment: **6.1 and 1.4.**

Coherence with other Priorities: **2B; 2E; 3F**

<b>ORGANISATION (S) :</b>					<b>EMAIL ADDRESS:</b>			
<b>CONTACT'S NAME :</b>								

<b>PROJECTS INCLUDED</b> <i>In order of priority and level of impact</i>	<b>OBJECTIVE</b>	<b>EXPECTED RESULTS</b>	<b>SDGs ALIGNMENT</b>	<b>IMPLEMENTATION</b>	<b>PARTICIPANTS AND STAKEHOLDERS REPRESENTATIVENESS</b>	<b>REPLICABILITY IN OTHER CONTEXTS</b>	<b>REGIONAL REPRESENTATIVENESS</b>	<b>POTENTIAL OVERLAPPING OR COHERENCE WITH OTHER AGs</b>
<b>Project 1</b>		•			•			

**DESCRIPTION AND INFORMATION OF PROJECT 1:**



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