



## **2030 Water Resources Group (2030WRG)**

# **MINUTES OF 2030WRG MONGOLIA PROGRAM STEERING BOARD MEETING**

**Date:** Wednesday, 13<sup>th</sup> March, 2019

**Time:** 14:30 pm – 16:30 pm

**Venue:** Khaan Meeting Hall, Ministry of Environment and Tourism (MET), Ulaanbaatar, Mongolia

**Chair:** Ts. Tsengel, Chair of the Steering Board

### **Summary and highlights of consultative meeting**

Mr. Tsengel. Ts, the Secretary or Chair of Steering Board opened the Steering Board by noting that the engagement through the MSP of the private sector and civil society is helping the country find the optimal solutions collectively. Welcoming address continued by Mrs. Karin Krchnak, program manager of 2030 Water Resources Group. After welcome session of SB meeting, Dr. Dorjsuren presented the power point presentation on the '2018 Annual Report and 2019 Work Plan of 2030 Water Resources Group, Mongolia Program'. Based on given information, the Steering Board discussed the progress of 2030 WRG for the past year and the future work programs, continuing on the three workstreams: (1) Water Demand Reduction and Water Supply Augmentation, (2) Enabling Legal Environment for Wastewater Treatment and Reuse, Improving Water Valuation and Incentives and (3) Collaboration among stakeholders and capacity building.

The Steering Board voted on the work program for the current year, which will focus on: (a) Improve water governance through River Basin MSP Councils, (b) Support financial and non-financial incentives in water use; Water Pollution Fee Law Amendments & its enforcement; (c) Enable wastewater reuse and water efficiency through improvements to the legal environment, (d) developing the architecture for a Groundwater Data Management Center, including an assessment of data gaps in cooperation with the projects funded by World Bank and ADB; (f) Climate Change-Water-Private Sector Nexus (Mining Companies) and (e) technological innovations for acceleration of wastewater treatment or blockchain technology, building upon 2030 WRG's experience in India and other countries.

### **MAYOR'S OFFICE**

The City of UB Mayor Office discussed the important role the City will have in implementation of the legal amendments and expressed the potential supports on the demo project for wastewater reuse, in particular on the Teacher's House demo project. Furthermore, the MSP discussed the need to improve data on pollution, including sources and the financial implications, as well as acceleration of wastewater reuse pilots once the legal frameworks are in place.

## **MET**

Groundwater management is a high priority, particularly with mining, as noted by the mining companies represented and the NGOs. There was discussion of the undispersed funds of MINIS to potentially support groundwater data management improvements. More attention on aquifer recharge is needed, as well as assessment of potential rainwater harvesting, balancing need for return flows for local communities. There is a need to increase local water conservation measures, including through technological approaches and engagement of the herder communities. The River Basin MSPs are critical and need more support to ensure they are operationalized. The work of 2030 WRG Maharashtra on wastewater reuse certificates was discussed and plans to consider this in Mongolia.

## **MINING COMPANIES**

The representatives of mining companies fully agree and support the initiatives on the aquifer recharges. They also shared their practices on the aquifer recharge and wastewater reuses with SB members. In particular, the representatives of mining companies and light industrial companies expressed their great acknowledgement on the initiative of 2030 WRG for National standards for wastewater reuse.

## **Civil society**

Mrs. Erdene requested the 2030 WRG on educating and training the journalists. A reason is that, during the discussion period of Water Pollution Fee Law at the public and Parliament, there were numerous number of negative news shared by journalists. Therefore, it would be very important to educate the journalists and share the appropriate and equal information and data.

## **Academy**

Prof. Basandorj was thankful for support of 2030WRG on the wastewater reuse demo project and proposal of Mayor's office. He requested the 2030 WRG on the development of standard for reuse of soil water if possible. He also noted the importance of technological innovations and blockchain technology and he shared the contact address of US professor who might provide promising lecture and training course on the blockchain technology.

## **DECISIONS & ACTIONS:**

1. The members of Steering Board agreed with full performance of 2030 WRG Mongolia Program in the year of 2018 and supported the main priorities and key tasks of 2019 Work Plan.
2. To oblige D. Dorjsuren, country coordinator of 2030 WRG Mongolia, to exercise control and oversight on the implementation of this proposed 2019 Work Plan.

## Annex 1 - List of Participants

No.	Name	Title	Organization
<b>Public</b>			
1	Tsengel, Ts	State Secretary & Chair of Steering Board, 2030 WRG Mongolia Program	Ministry of Environment and Tourism
2	Bulgan, T	General Director, Department of Green Policy and Strategic Planning Chair of WS#2, 2030 WRG Mongolia Program	Ministry of Environment and Tourism
3	Battulga, N	Director, Division of River Basin Management Chair of WS#3, 2030 WRG Mongolia Program	Ministry of Environment and Tourism
4	Gantumur, T	General Manager of Ulaanbaatar City and head of the Mayor's Office	Ulaanbaatar Mayor's Office
5	Narantuya, G	Secretary of WSRC & Director, Department of Licensing	Water Services Regulatory Commission (WSRC)
6	Ganbat, S	Director, Department of Heavy Industry	Ministry of Mining and Heavy Industry
<b>Academy</b>			
7	Basandorj, D	Professor, School of Construction Engineering and Architecture	Mongolian University of Science and Technology
<b>Private</b>			
8	Odkhuu, N	Director, Department of Engineering Policy	USUG
9	Mendbayar, B	Director, Department of Internal monitoring and Auditing	'Erdenes Mongol' LLC
10	Otgonbaatar, S	Senior hydrogeologist	'Oyu Tolgoi' LLC
11	Sugarmaa, Z	Director for Government Relations and Approval	'Energy Resources' LLC
12	Batjargal, D	Quality confirmation manager	MCS coca cola
13	Batjargal, D	Quality confirmation manager	MCS coca cola
14	Unurjargal, L	Officer for Sustainability	MCA Mongolia Office
<b>Civil society</b>			
15	Erdene, B	CEO	Mongolian Civil Society on Environment NGO
16	Batsaikhan, G	Director Board of	Responsible Mining NGO
<b>2030 Water Resources Group</b>			
17	Karin Krchnak	Program manager	2030 WRG
18	Rochi Khemka	Global Partnerships Coordinator	2030 WRG
19	Dorjsuren, D	Mongolia Country Coordinator	2030 WRG
20	Odbayar, B	Mongolia Partnerships Coordinator	2030 WRG
21	Saulyegul, A	Mongolia Partnerships Coordinator	2030 WRG



Photo: Steering Board Meeting, Ministry of Environment & Tourism, 13 March 2019



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**Table:** Workplan for 2018-2019 Developed in Coordination with MSP Steering Board, 2030 Water Resources Group, Mongolia Program approved by Ts. Tsengel, State Secretary, Mongolian Ministry of Environment and Tourism, Chair of Steering Board, 2030 WRG Mongolia program



БАТЛАВ. БОАЖЯ-ны Төрийн нарийн бичгийн дарга, 2030 УНВ-ийн  
Монгол дахь хөтөлбөрийн удирдах зөвлөлийн дарга ..... Ц. Цэнгэл

**2030 УСНЫ НӨӨЦИЙН БҮЛГИЙН МОНГОЛ ДАХЬ ХӨТӨЛБӨРИЙН  
2019 ОНЫ ҮЙЛ АЖИЛЛАГААНЫ ТӨЛӨВЛӨГӨӨ**

No	Ажлын үндсэн чиглэл	Хийгдэх ажлууд	Дагалдах хийгдэх ажлууд	Хугацаа
1	Сав газрын талуудын оролцооны зөвлөлөөр дамжуулан орон нутаг дахь усны засаглалыг сайжруулах (Швейцарын Хөгжлийн Агентлагтай хамтран хэрэгжүүлэх)	<ul style="list-style-type: none"> <li>Монгол орны усны сав газруудыг 4 бүсэд хуваан “Сав газрын талуудын оролцооны зөвлөл” (СГТОЗ)-ийг чадавхижуулах сургалтыг зохион байгуулах (Сэлэнгэ, Хэрлэн, Хяргас болон Умард Говийн сав газруудын СГТОЗ-ийн ээлжит сургалт, хурлуудад дэмжлэг үзүүлэх, удирдан зохион байгуулах)</li> <li>Швейцарын Хөгжлийн Агентлагийн “Ногоон алт” төслийг хэрэгжүүлж буй бүс нутгууд болох Баруун, Төв, Зүүн бүсийн аймгуудын бэлчээрийн менежменттэй холбоотой төслийн үйл ажиллагаануудтай уялдуулан хамтран ажиллах.</li> </ul>	<ul style="list-style-type: none"> <li>Удирдах Зөвлөл, Ажлын хэсгээр хэлэлцүүлж батлуулах</li> <li>Сургалтын төлөвлөгөө боловсруулах</li> <li>ШХА-тай хамтран ажиллах санал боловсруулах</li> </ul>	<p>3-р сарын 13</p> <p>4-р сарын 5</p> <p>4-р сарын 5</p>
2	Хаягдал усыг цэвэрлэж эргүүлэн ашиглах, усны үр ашигтай хэрэглээг төлөвшүүлэх эрхзүйн орчныг бий болгоход дэмжлэг үзүүлэх	<ul style="list-style-type: none"> <li>Цэвэрлэсэн бохир усыг эргүүлэн болон дахин ашиглах загвар төслийн хэрэгжилтийг хангах (Улаанбаатар хотод “ЭмСиЭс Кока Кола”; Говийн бүсэд “Саусгоби сэндс” ХХК)</li> <li>Ариутгах татуургын шугамд цэвэрлэсэн бохир усыг ашиглах загвар төсөлд дэмжлэг үзүүлэх (Багшийн Хөгжлийн Ордоны загвар төслийг үргэлжлүүлэх)</li> <li>Хот суурины цэвэр усны нөөцийг хэмнэх, эрэлтийг бууруулахад цэвэрлэсэн бохир усыг эргүүлэн болон дахин ашиглах эдийн засгийн үндэслэлийг нэмэгдүүлэх, усны үнэ тарифын журам, аргачлалын төсөл, зөвлөмж боловсруулах ажлыг эцэслэх</li> </ul>	<ul style="list-style-type: none"> <li>Одоо явагдаж байгаа загвар төслүүдэд дэмжлэг үзүүлэх талаарх хэлэлцүүлгийг үргэлжлүүлэх</li> <li>Талуудтай зөвлөлдөх</li> <li>Усны үнэ, тарифыг шинэчлэх ажлыг хэсгийн үр дүнг оролцогч талуудаар хэлэлцүүлэх</li> <li>Блокчэйн технологийн судалгааг хийх</li> </ul>	<p>3-р сарын 1 -ээс 31</p> <p>6-р сарын 25</p>

		<ul style="list-style-type: none"> <li>Цэвэрлэсэн бохир усыг дахин ашиглах техникийн шаардлага стандарт"-ын хэрэгжилтийн мониторингт шинэлэг арга зам буюу блокчэйн технологийг нэвтрүүлэх</li> </ul>		
3	Ус ашиглалтад санхүүгийн болон санхүүгийн бус урамшууллыг бий болгох, "Ус бохирдуулсаны төлбөрийн тухай хууль"-ийг хэрэгжүүлэх	<ul style="list-style-type: none"> <li>БОАЖЯ, МХАҮТ-тай хамтран анхны "Алтан Дусал" шагнал гардуулах арга хэмжээг зохион байгуулах</li> <li>"Ус бохирдуулсаны төлбөрийн тухай хууль", дагалдан гарах журмыг хэрэгжүүлэх ажилд Улаанбаатар болон Өмнийн Говийн уул уурхайн бүсийг сонгон авч дэмжлэг үзүүлэх</li> </ul>	<ul style="list-style-type: none"> <li>Ажлын хэсгийн уулзалтыг зохион байгуулах</li> <li>Талуудад танилцуулах, зөвлөлдөх</li> </ul>	3-р сарын 22  4-р сарын 10 аас 6-сарын 30
4	Дэлхийн Банк, АХБ-ны төслүүдтэй хамтран "Газрын доорх усны мэдээллийн сан, менежментийн төв"-д дэмжлэг үзүүлэх	<ul style="list-style-type: none"> <li>Сонгосон 2 сав газарт усны датаг (усны нөөц, чанарын өгөгдөл) хуваалцах боломжийн талаар үнэлгээ хийх</li> <li>ОУСК-ийн ҮАСДК-тай хамтран усны датаг солилцох талаар семинар зохион байгуулах</li> <li>Өмнийн Говийн уул уурхайн бүсийн усны датаг мэдээллийн санд оруулах тусгайлсан сургалт хийхэд дэмжлэг үзүүлэх (ЭР, ОТ, СГС)</li> <li>Шинэлэг арга зам буюу блокчэйн, хиймэл оюун ухааны технологиуд, зайнаас тандан судлалын аргуудыг нэвтрүүлэх</li> </ul>	<ul style="list-style-type: none"> <li>"Газрын доорх усны мэдээллийн сан, менежментийн төв"-ийн санал боловсруулах</li> <li>Шинэлэг арга зам буюу мэдээлэл технологийн ямар аргуудыг нэвтрүүлж болох судалгааг эхлүүлэх</li> <li>Ажлын хэсгээр хэлэлцүүлэх, батлуулах</li> </ul>	4-р сарын 15  5-р сарын 15
5	Уур амьсгалын өөрчлөлт – Ус-Бизнес (УУ-н компаниудын)-ийн харилцан уялдааг тогтоох	<ul style="list-style-type: none"> <li>Дэлхийн банк болон ОУСК-ийн ҮАСДК-тай хамтран (Өмнийн Говийн уул уурхайн бүс) Уул уурхайн компаниудын ус хангамжид уур амьсгалын өөрчлөлт хэрхэн нөлөөлөх, боломжит нөлөөллүүдийн талаарх үнэлгээг хийх</li> <li>Говь цөлийн бүсэд дасан зохицох, тогтвортой байдлыг хангах олон улсын шилдэг туршлагыг хуваалцах, зөвлөмж боловсруулах</li> </ul>	<ul style="list-style-type: none"> <li>Зөвлөх үйлчилгээний ажлын даалгаврыг боловсруулах</li> <li>Оролцогч талуудтай зөвлөлдөх</li> <li>Талуудад ойлгуулах</li> </ul>	6-р сарын 25  9-р сарын 25

**Table:** Workplan for 2018-2019 Developed in Coordination with MSP Steering Board, 2030 Water Resources Group, Mongolia Program approved by Ts. Tsengel, State Secretary, Mongolian Ministry of Environment and Tourism, Chair of Steering Board, 2030 WRG Mongolia program

No	Main Priorities	Key Tasks	Following tasks	Timeline
1	Improving water governance at local level through River Basin MSP Councils (Collaboration with SDC Mongolia)	<ul style="list-style-type: none"> <li>• Organize capacity building trainings at RB MSP councils which will be divided into 4 regions (Supporting and coaching the regular trainings and meetings of Selenge, Kherlen, Khyargas and Southern Gobi RB MSP councils)</li> <li>• Cooperate with Green gold project funded by SDC Mongolia in the western, central and eastern Mongolia through linking the 2030 WRG's workstream with project activities on pasture management</li> </ul>	<ul style="list-style-type: none"> <li>• Work plan shall be discussed and approved by SB and Workstream</li> <li>• Develop the training and coaching proposal</li> <li>• Develop the project proposals on cooperation with SDC Mongolia</li> </ul>	<p>13 March</p> <p>05 April</p> <p>05 April</p>
2	Support for enabling legal environment on facilitating wastewater treatment and reuse, efficient use of water resources	<ul style="list-style-type: none"> <li>• Facilitate implementation of 2 projects on wastewater recycling and reusing (MCS Coca Cola in Ulaanbaatar &amp; SGS in Gobi region)</li> <li>• Ongoing support on the potential demonstration project for treated wastewater recycle and reuse in internal sewerage network (Teacher's Development House)</li> <li>• Finalize the workstream of developing the draft water tariff guideline and methodology, and development of recommendation, increase viability of wastewater treatment and reuse for demand reduction and fresh water conservation at urban area</li> <li>• Introduce and apply the modern approach as blockchain technology into monitoring for enforcement of MNS 6734:2018 standards on treated wastewater reuse</li> </ul>	<ul style="list-style-type: none"> <li>• Continue organizing the multi-stakeholder meetings regarding to supports for currently ongoing pilot projects</li> <li>• Consult with stakeholders</li> <li>• Organize workstream meetings discussing the work progress and outcomes of workstream on the water tariff reform</li> <li>• Learning the blockchain technology</li> </ul>	<p>01-31 March</p> <p>25 June</p>

3	Support financial and non-financial incentives in water use; Support on enforcement of Water Pollution Fee Law Amendments	<ul style="list-style-type: none"> <li>• Organize Golden Drop Award ceremony jointly with MET and Chamber of Commerce and Industry of Mongolia</li> <li>• Ongoing support for implementation of Water Pollution Fee Law Amendment and its guideline at selected pilots of Ulaanbaatar city and South Gobi mining region</li> </ul>	<ul style="list-style-type: none"> <li>• Organize the workstream meetings</li> <li>• Provide and share information among stakeholders</li> </ul>	22 March  10 April till 30 June
4	Support on development of “Groundwater Data Management Center” in cooperation with the projects funded by WB and ADB	<ul style="list-style-type: none"> <li>• Conduct an impact assessment on data sharing availabilities at selected 2 river basins</li> <li>• Organize a workshop on water data sharing jointly with IFC VCP Mining Roundtable</li> <li>• Support organizing a tailored training on input water data of Gobi mining region to Data center (on-site ER, OT and SGS)</li> <li>• Introducing and applying new technological innovations or blockchain, artificial intelligence, remote sensing methods</li> </ul>	<ul style="list-style-type: none"> <li>• Develop the proposal on establishment of ‘Groundwater Data Management Center’</li> <li>• Initiate the study on potential approaches of information technology innovations</li> <li>• The selected technologies and methods shall be discussed at workstream meetings and approved by the workstream</li> </ul>	15 April  15 May
5	Climate Change-Water-Private Sector Nexus (Enabling the links between mining companies)	<ul style="list-style-type: none"> <li>• Conduct a potential impact assessment of climate changes at mining companies’ water supply (Southern Gobi mining region), in collaboration with WB Water GP and IFC VCP Mining Roundtable</li> <li>• Share international best practices and recommendations for adaptation and sustainability in Gobi Desert area</li> </ul>	<ul style="list-style-type: none"> <li>• Develop the ToR for consultancy service</li> <li>• Consult with stakeholders</li> <li>• Provide and share information among the stakeholders</li> </ul>	25 June  25 September