



United Nations
Educational, Scientific and
Cultural Organization



Regional Centre
on Urban Water Management
(under the auspices of UNESCO)



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International Centre
for Water Resources and Global Change
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IMPROVING URBAN WATER MANAGEMENT IN WESTERN AND CENTRAL ASIA WORKSHOP SERIAL (2021 – 2024)

Cooperation Modality No. 1

This draft questionnaire aims at surveying water data collection, production and dissemination situation to highlight the importance of quality-assured data and information at basin level as well as water utility level for Integrated Urban Water Management. It includes three main parts as follow:

- A. Institutional Arrangement and Organizational Structure
- B. Water data monitoring (optional)
- C. Information Dissemination (optional)

NOTE 1: Please send completed Cooperation Modality form to the International Centre for Water Resources and Global Change (ICWRGC, Germany) at icwrgc@bafg.de with Cc to info@rcuwm.org.ir.

NOTE 2: Authors of the Cooperation Modality forms will be invited for a series of in-person follow-up meetings.

NOTE 3: Financial support will be available for a few excellent Cooperation Modality forms to support international travel cost and also to conduct follow-up case studies.

Contact Detail

	Author	Co-author(s)
Organization		1.
		2.
		3.
Position		1.
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URL		1.
		2.
		3.



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A. Institutional Arrangement and Organizational Structure

Data/ Information	Organizations/Authorities	Level of Organization/Authority			
		National	Basin	Local	Others
Urban Water Use (e.g. water supply, water consumption, etc.)	1.				
	2.				
	3.				
Precipitation (rain, snow, etc.)	1.				
	2.				
	3.				
Surface Water (river discharge, etc.)	1.				
	2.				
	3.				
Water Quality (e.g. BOD, COD, etc.)	1.				
	2.				
	3.				
Groundwater (water level elevations, etc.)	1.				
	2.				
	3.				
General Basin Data (e.g. basin area, water use, etc.)	1.				
	2.				
	3.				



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B. Water Measurement Data

(optional information only, can be used to elaborate the cooperation)

Data/ Information	Temporal Scale	Number of Stations/ Observations	Average Year of Data Availability	Centralized data storage at national level (yes/no)
Urban Water Use (e.g. water supply, water consumption, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			
Precipitation (rain, snow, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			
Surface Water (river discharge, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			
Groundwater (water level elevations, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			
Water Quality (e.g. BOD, COD, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			
General Basin Data (e.g. basin area, water use, etc.)	Sub-daily/Daily			
	Monthly			
	Annually			

**IMPROVING URBAN WATER MANAGEMENT IN WESTERN AND CENTRAL ASIA
WORKSHOP SERIAL (2021 – 2024)**

B1. Please specify which of the following agencies is the main authority for hydrological data at basin level?

- National Statistical Bureau
- Water Agency
- Environment Agency
- Agriculture Agency
- Meteorological Agency
- Water supply and sewerage service industries
- Hydrological or water research institutes
- Other – *Please specify:* _____

B2. Does your agency cooperate with other agencies in your country in the area of water measurement data?

- Yes - Please describe the cooperation mechanism and the name of the institutions involved: _____
- No

B3. Does your agency cooperate with other regional/international agencies in the area of water measurement data?

- Yes - Please describe the cooperation mechanism and the name of the institutions involved: _____
- No

B4. What is the procedure for quality control of collected data?

Please specify: _____

B5. In your opinion, what are the factors impeding the compilation of water measurement data in your country? *Please mark all that apply.*

- Lack of a cooperation/data sharing with other institutions
- Lack of compilation guidance material
- Lack of harmonized measurement units within the country
- Lack of internationally agreed methodology
- Lack of harmonized classifications
- Data availability
- Data quality
- Lack of interest from users
- Confidentiality
- Other - *Please specify:* _____



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C. Information Sharing and Data Dissemination

(optional information only, can be used to elaborate the cooperation)

Data/ Information	Data Sharing Policy					Type of Data available online (Reports / Download of Time Series Data / None)	Link to online available data (if any)
		No Access	Limited Access	Open	Reference with description of usage restrictions		
Urban Water Use (e.g. water supply, water consumption, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						
Precipitation (rain, snow, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						
Surface Water (river discharge, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						
Groundwater (wells, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						
Water Quality (e.g. BOD, COD, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						
General Basin Data (e.g. basin area, water use, etc.)	Sub-daily/Daily						
	Monthly						
	Annually						



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C1. How are the water statistics disseminated?

- Print publication
- On the internet - *Please provide link:* _____
 - As a publication (e.g. PDF or word file)
 - As fixed tables or summary data (e.g. spreadsheet)
 - In an interactive database
- As maps or in GIS layers
- Other - *Please specify:* _____

C2. Do you intend to make any changes to the current water statistics collection or compilation?

- Yes - *Please mark all that apply*
 - Increasing frequency of data collection and compilation
 - Increasing scope of data collection and compilation
 - Decreasing frequency of data collection and compilation
 - Decreasing scope of data collection and compilation
 - Other – *Please specify:* _____
- No

C3. To which international/regional organizations does your country, report or transmit water statistics?

C4. In your country, who are the main users of water statistics? *Please mark all that apply.*

- Ministry of Finance
- Ministry of Environment
- Ministry of Agriculture
- Other Government institutions
- Academia
- Media
- Industries
- Other – *Please specify:* _____

C5. Is there any possibility for commercialization of water data and information products?



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C6. In your view, what are the most important issues regarding water data and information that should be addressed by this workshop series?

Please provide additional comments below:

Change it as you see fit