

Explanation Note for:

- I. **Megacities Alliance for Water and Climate (MAWAC), and**
- II. **Second International Conference “Water, Megacities and Global Change” (EauMega 2022)**

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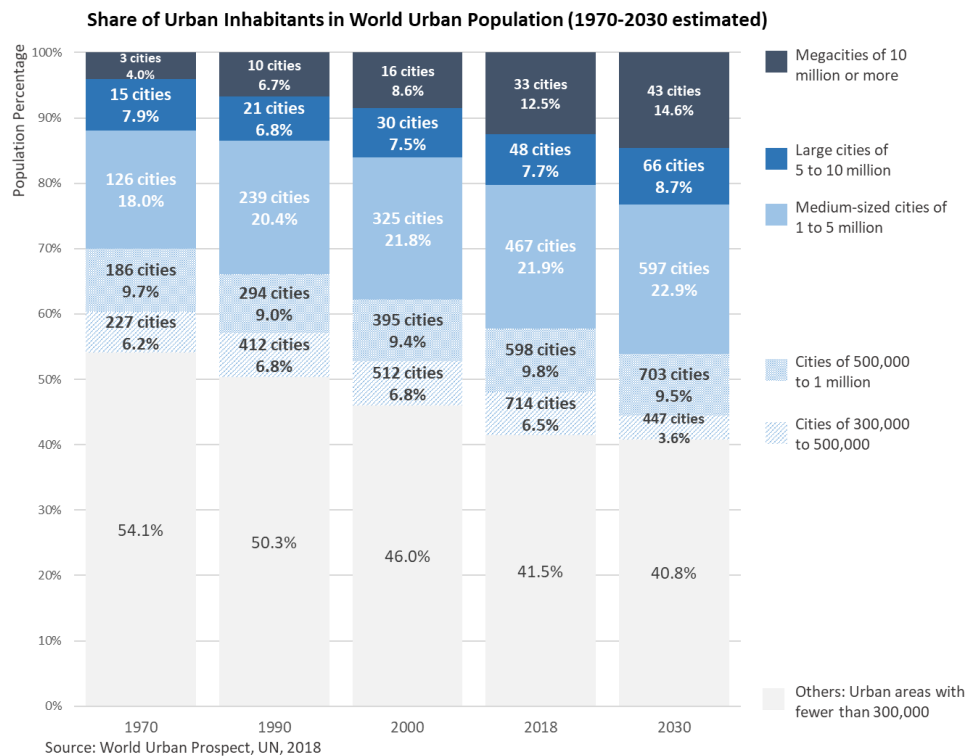
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1. Megacities Alliance for Water and Climate (MAWAC)

1.1. Background

1.1.1. Context

By 2030, over a billion people will live in approximately 100 very large cities and 60 % of the world’s population will live in urban areas. Today, the urban population ratio in some regions surpasses 70% and it is projected that population growth in the coming decades will be higher in urban centers, and particularly in megacities or metropolitan areas of more than 10 million inhabitants. Megacities are found on all continents except Oceania. They cover diverse geographical areas with a wide range of climates and are generally located close to rivers, lakes or seas (from plains to deserts, from mountains to seashore). This diversity of intellectual, technical and financial resources components that exist within megacities is an opportunity for mobilizing these resources so that innovative solutions can emerge and guarantee access to water and sanitation for all populations, equality of services, economic viability, resilience of systems, flexibility of solutions, and the protection of the natural environment.



Distribution of the world’s urban population by size class of urban settlement and number of cities, 1970, 1990, 2018 and 2030 (World Urbanization Prospects, UN, 2018)

1.1.2. Conceptualization of MAWAC: First International Conference “Water, Megacities and Global Change”

To respond to these observations and needs, the initiative of the Megacities Alliance for Water and Climate (MAWAC) was proposed at the 1st International Conference “Water, Megacities and Global Change” that took place at UNESCO’s Headquarters in December 2015 (EauMega

2015). The Conference brought together 388 participants from 20 countries, and the conversation was structured into 15 sessions.

As an important output, a Declaration¹ was signed by the 388 participants of the meeting, requesting UNESCO to create a platform for sharing experiences and good practices in urban water management, entrusting UNESCO-IHP to set up a Task Force (Working Group) in charge of providing the preliminary conditions for the emergence of this platform.

Supported by representatives of the Megacities who attended EauMega 2015 conference and other participants, this alliance was included in the Climate Agenda, and it was presented at both COP 21 and COP 22 during the Adaptation and Water Days.

1.2. Objectives

In 2016, the Secretariat of MAWAC developed a preliminary proposal for MAWAC. Since the beginning of 2020, the Working Group of MAWAC has been working with UNESCO to structure a Strategic Global Framework in 2020 (**Annex IV**) that will be proposed for the approval of Mayors of Megacities at the 2nd International Conference on “Water, Megacities and Global Change”.

1.3. Current Contact Network

With the effort of UNESCO-IHP nomination, UNESCO Field Offices, and MAWAC’s Regional Conference and Webinars², contacts with 22 megacities among the 47 megacities have been established (by July 2020):

Europe and North America	Asia	Latin America	Africa
<u>America</u>	<u>Bangkok</u>	<u>Bogota</u>	<u>Lagos</u>
<u>Istanbul</u>	<u>Ho Chi Minh City</u>	Buenos Aires	Cairo
London	<u>Jakarta</u>	Lima	
Los Angeles	<u>Karachi</u>	<u>Mexico City</u>	
New York	<u>Lahore</u>	Rio de Janeiro	
<u>Paris</u>	Manila	Santiago	
	Mumbai	Sao Paulo	
	Shenzhen		*Working Group Focal Point
	Wuhan		

1.4. Joining the Global Alliance for Water and Climate (GAFWAC)

In 2016, on the official Water Day of COP22 organized in Marrakech in the framework of the Global Climate Action Programme (MPGCA)³, the Global Alliance for Water and Climate (GAFWAC) was born through the ratification of The Marrakech Declaration of Global Alliances for Water and Climate. MAWAC is structured as one of the four Alliance of GAFWAC.

¹ More information: https://en.unesco.org/sites/default/files/megacities_alliance_declaration_en.pdf

² More information about the “COVID-19 Implication on Water Management in Megacities: Impacts, Reactions and Lessons” Webinar: <https://en.unesco.org/news/covid-19-implication-water-megacities>

³ The Global Alliance for Water and Climate is consisted of: Megacities Alliance for Water and Climate (MAWAC), Business Alliance for Water and Climate Change (BAFWAC), Global Clean Water Desalination Alliance (GCWDA), and the "Paris Pact" Alliance on water and Climate adaptation in the basins of rivers, lakes and aquifers.

Ever since, MAWAC as part of GAFWAC organizes the “Water Action Day” under the Marrakech Partnership for Global Climate Action (MPGCA) at the COP process.

1.5. Establishing Regional Platform

1.5.1. Objective

The idea of regionalization of the MAWAC was proposed in 2016 during a WaterLinks Forum. Since then, the Secretariat has identified four regional chapters to be set up:

- Latin America and the Caribbean (MAWAC-LAC)
- Asia and the Pacific (MAWAC-ASPAC)
- Europe and North America (MAWAC-ENA)
- Africa (MAWAC-AFR)

The regional chapters will **establish the regional framework (Terms of Reference) for dialogue and cooperation, which is expected to pave way for the formal establishment of MAWAC as the global alliance.** Due to the effects of the COVID-19 Pandemic the regionalization process of MAWAC has moved from an in-praesentia modality to a virtual one. The Secretariat is organizing these virtual meetings in 2021.

The regional platforms will be represented in the “Regional Session” (Chapter 2.3.5) at the Second International Conference “Water, Megacities and Global Change” (EauMega 2022).

1.5.2. MAWAC-LAC

Megacities in the region

-
- | | | |
|----------------|------------------|-------------|
| ○ Bogota | ○ Mexico City | ○ Santiago |
| ○ Buenos Aires | ○ Rio de Janeiro | ○ Sao Paulo |
| ○ Lima | | |
-

In May 2019, the regional alliance for Latin America and the Caribbean held its first meeting resulting in the TOR and agreement of 5 Megacities of the Region on the principal guidelines and frameworks to follow.

The second meeting is planned on 26 and 27 May 2021 to finalize the framework and ensure the participation of Mexico City and Lima, who did not participate at the first meeting (due to admin difficulties), with an operational plan to be prepared, so that the commitments among megacities will be strengthened. The outcomes will be showcased as the exemplify modality of the regionalization strategy of MAWAC⁴.

Coordinator

UNESCO Brasilia office, Montevideo Office, Headquarters, UNESCO-IHP Working Group for Urban Water, ANA of Brazil, partners and local focal points.

1.5.3. MAWAC-ASPAC

Megacities in the region

-
- | | | |
|----------------------------|---|------------------------------------|
| ○ Bangladesh: Dhaka | ○ India: Mumbai, New Delhi, Bangalore, | ○ Malaysia: Kuala Lumpur |
| | | ○ Pakistan: Karachi, Lahore |
-

⁴ More information about the conference: https://en.unesco.org/sites/default/files/mawac-lac_conference_event_summary.pdf

<ul style="list-style-type: none"> ○ China: Beijing Shanghai Tianjin Guangzhou, Shenzhen, Chongqing, Chengdu, Xi'an, Wuhan, Nanjing 	<ul style="list-style-type: none"> Kolkata, Chennai, Ahmadabad, Surat ○ Indonesia: Jakarta ○ Iran: Tehran ○ Japan: Tokyo, Osaka 	<ul style="list-style-type: none"> ○ Philippines: Manilla ○ South Korea: Seoul ○ Thailand: Bangkok ○ Viet Nam: Ho Chi Minh City
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Of the world's current 34 megacities, the Asia and the Pacific (ASPAC) region is home to 19 megacities in 11 countries, which are currently home to over 500 million inhabitants, and 12 more megacities will emerge by 2035. Tokyo still stands the most populous metropolis in the world since 1960s. The demographic feature mirrors the rapid transformation in economic development including technology innovation, new forms of urbanization, disaster risk reduction (DRR) and many other aspects.

Following the similar procedure as LAC, the regional alliance for ASPAC, is expected to be established by organizing the first regional virtual conference on 14-16 June 2021. The general principals, the roadmap, and the creation of new water monograph will be discussed. Given the COVID-19 situation and travel conditions, options to organize the meeting virtually will be explored, coordinated by UNESCO Headquarter with the support of UNESCO Beijing Office, Jakarta Office and New Delhi Office.

Coordination

UNESCO Headquarters, Bangkok Office, Beijing Office, Jakarta Office, New Delhi Office, Tehran Office, partners, and local focal points.

1.5.4. MAWAC-ENA

Megacities in the region

<ul style="list-style-type: none"> ○ Istanbul ○ London 	<ul style="list-style-type: none"> ○ Los Angeles ○ Moscow 	<ul style="list-style-type: none"> ○ New York ○ Paris
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The cities in Europe and North America region emerged as one of the earliest megacities and world economic engines at the Industrial Revolutions period, including New York, which exceeded 10 million population in 1950s.

The establishment of the Regional platform for Europe and North America was planned to commence via a regional meeting at United Nations Headquarters in New York, USA in 2020. Instead, a virtual meeting will be organized on 6 and 7 July 2021, inviting Paris, Istanbul, London, Moscow, New York and Los Angeles.

The objectives will be to, discuss and prepare the ToRs of the MAWAC-ENA Regional Chapter, the preparation of new water monographies of the Megacities and their participation at the Global Conference in Paris.

Coordinator

UNESCO Headquarters, UNESCO Office in Venice, and Liaison Office New York, New York University, partners and local focal points

1.5.5. MAWAC-AFR

Megacities in the region		
○ Cairo	○ Greater Johannesburg Metropolitan	○ Lagos
○ Kinshasa		

African continent is expected to house most of the new Megacities in the world in this century. Currently only three cities are considered Megacities whereas the Greater Johannesburg Metropolitan when considered within the Gauteng Province, reaches the mark.

The establishment of the Regional platform for Africa is planned to commence on 21 and 22 June 2021.

Coordinator

UNESCO Headquarters, Congo DRC Office, Abuja Office, Harare Office, Cairo Office, partners, and local focal points.

1.6. UNESCO Cities Platform (UCP)

1.6.1. Background

As part of UNESCO's response to the 2030 Agenda, UNESCO recently strengthened its comprehensive approach to working with cities through the establishment of a dedicated UNESCO Cities Platform, which gathers eight UNESCO networks and programmes. The UNESCO Cities Platform reflects the transversal approach of our work with cities towards implementing the seventeen Sustainable Development Goals.

1.6.2. Structure

The Natural Science Sector through MAWAC is joining UCP with other six cities network in UNESCO:

- [UNESCO Creative Cities Programme](#)
- [UNESCO Global Network of Learning Cities](#)
- [International Coalition of Inclusive and Sustainable Cities](#)
- [World Heritage Cities Programme](#)
- [Media and Information Literacy Cities](#)
- [UNESCO-Netexplo Observatory Cooperation on Smart Cities](#)

1.6.3. MAWAC's role within UCP

MAWAC has supported UCP in organizing three events, mainly in coordinating and communication.

- Oct 2019: UNESCO World Cities Day
- Feb 2020: World Urban Forum 10
- Jun 2020: Urban Solutions: Learning from Cities' Response to COVID-19 Meeting Webinar
- Oct 2020: UNESCO World Cities Day

In the forthcoming plan, MAWAC will join a new initiative in Mexico City, by inviting the participation of CONAGUA (National Commission of Water in Mexico) to support UCP and sisters programmes.

1.7. MAWAC Strategic Global Framework (MAWAC-SGF)

1.7.1. Background for proposing MAWAC-SGF

In response to the Declaration signed at the First International Conference “Water, Megacities and Global Change”, the 22nd IHP Intergovernmental Council Resolution IX called upon the IHP Secretariat to establish an IHP Working Group using commonly agreed Terms of Reference.

Since March 2020, the Working Group⁵ is tasked to work with UNESCO (Headquarters and Field Offices) to propose a mechanism, the Strategic Global Framework, which will outline the strategic scope of MAWAC.

1.7.2. Work Plan Overview

Coordination of Working Group Start of the working process	Jan – March 2020
Information Webinars Introduction of project background of MAWAC and work plan	16, 24 April 2020
First Working Meeting Discussion on general expectation, capacities, roadmap and structure of MAWAC-SGF	17 June 2020
Individual Meetings between Secretariat and Working Group Members	July - Sep 2020
Second Working Meeting Discussion on Vision Mission Objective Multi-Stakeholder Model	21, 23 Oct 2020
Third Working Meeting Discussion on Governance Participation Membership Funding Water Information Network System	14, 16 Dec 2020
Finalizing the 1st Draft of MAWAC-SGF Prepare the full text ready for consultation	Dec 2020 - Jan 2021
External Consultation and Review of 1st Draft of MAWAC-SGF Invite the municipalities of megacities globally to review the 1 st Draft	Feb – June – Sep 2021
Finalization and Validation of MAWAC-SGF Signature by Mayors/Governors The validated MAWAC Strategic Global Framework will be launched at the Second International Conference “Water, Megacities and Global Change” (EauMega 2022), currently re-scheduled to 11 th to 14 th January 2022 at UNESCO Headquarters in Paris.	Oct – Nov 2021

⁵ The Working Group consists of experts who were officially nominated in 2018, from 10 countries and 11 Megacities around the world: Bangkok, Bogota, Ho Chi Minh City, Istanbul, Jakarta, Karachi, Lagos, Lahore, Lima, Mexico City, and Paris.

The latest proposal can be referred to **Annex IV**.

1.8. Data Collection and Dissemination

1.8.1. 16 Megacities Monographies

The publication of megacities monographs "Water, Megacities and Global Change: Portraits of 16 Emblematic Cities of the World" was a collective work of 33 authors and co-authors (first edition in 2016, and second edition in 2019)⁶.

The publication, which summarizes the 16 monographies in full version, was launched during the Habitat III in 2016.

1.8.2. New Water Monographies (2020-2022)

UNESCO is planning on authoring new water monographies (2020-2022), in order to collect the up-to-date data, information and experience, to cover more megacities worldwide, and to ensure the official source of information. More importantly, the new water monographies have a new structure, which allows for performing a comparative analysis among the data and information collected on water and climate change issues in megacities.

In order to create the official water portraits for megacity, the new water monograph is projected to be conducted by officials, who are responsible for water management and climate change issue at municipality, city councils, and other decision-making bodies in megacity. A template, which outlines scenarios (624 indicators in 3 comparative dimensions – Megacities Profile, Water Supply and Wastewater, and 3 scenarios - Minimum / Intermedium / Optimum) will act as the key tool for megacities focal points to collect quantitative data.

The official launch of such initiative will take place at the Second International Conference "Water, Megacities and Global Change".

1.8.3. Ongoing Studies on Cities Plan and Scientific Facts

This ongoing study aim to collect and update the information for the project that can support the development of water monographies and in general.

On the data collection part, UNESCO has contracted Oxford Economics, leveraging on its modelling for comparative data analysis on same level of granularity, to receive basic data and information for more than 30 Megacities around the world.

On the city's plan part, UNESCO is reviewing the Master Plan, Strategic Plan and Comprehensive Plan of various Megacities in order to develop the understanding on how water is featured in their overall city strategy. This will better guide the MAWAC's visioning that can strengthen the contribution of water and wastewater management to urban planning and strategy setting.

1.9 Water Information Network System (WINS)⁷

1.9.1 Introduction

WINS is an open access and free participatory platform for sharing, accessing and visualizing water-related information, as well as for connecting water stakeholders.

⁶ 16 Megacities: Beijing, Buenos Aires, Chicago, Ho Chi Minh City, Istanbul, Kinshasa, Lagos, London, Los Angeles, Manila, Mexico, Mumbai, New York, Paris, Seoul, and Tokyo

⁷ <http://ihp-wins.unesco.org>

As a user-friendly and interactive tool, WINS allows to access to various types of information (maps, reports, graph, etc.) covering the entire water cycle, ranging from groundwater to urban water through gender issues, from local to global scale.

1.9.2 Application to MAWAC

Committed to the Declaration signed in 2015, UNESCO was entrusted to prepare the cooperation platform for MAWAC, based on its open-source and open-access software.

- **Access to geographic data and information**
WINS is a QGIS open source data base and visualization tool for layers and maps for water, ranging from groundwater to urban water in multiple scales.
- **Knowledge hub**
WINS is served as library for sharing geo-data, but also information such as report and document, such as the visual dissemination of the Water Monographies.
- **Interactive network**
The WINS users are able to create and manage different groups while sharing WINS data and documents to facilitate their information sharing and interaction.

To date, two groups of users have been created for the organization of Programme Committee and Steering Committee of the Second International Conference “Water, Megacities and Global Change” to exchange the documents and discussion. The other groups for the regional chapters of MAWAC, and the representatives from megacities will be able to be invited into the WINS group.

The cooperation platform for MAWAC based on IHP-WINS shall be launched in EauMega 2022 to inaugurate it and presented to the Mayors/Governors during the General Assembly of the MAWAC.

2. Second International Conference “Water, Megacities and Global Change” (EauMega 2022)

2.1. Context of the Conference

A transversal and multidimensional solution in enhancing the resilience of Megacities’ water resources and services management to the effects of climate change is proposed, based on the collaboration among scientists who advance scientific knowledge, public and private operators who innovate technically and socio-politically, and local politicians who support increasingly integrated, participatory and efficient models of water governance, in constant interaction with civil society. The conference aims to gather all these actors together and provide a platform for multi-stakeholder dialogue in order to address solutions to the identified challenges.

The Division of Water Sciences is co-organizing the Second International Conference “Water, Megacities and Global Change” with the Greater Paris Metropolis, SIAAP⁸ and ARCEAU-IdF⁹. The conference was initially scheduled to take place from 1 to 4 December 2020 in UNESCO Headquarters, five years after the First Conference (EauMega 2015).

Due to the recent developments with the effects of COVID-19, the Steering Committee of the conference has decided to postpone the conference to January 2022 and organized a Pre-Conference virtual event from 7 to 11 December 2020, so as to maintain the momentum, especially the strong interest of international stakeholders in the themes of the conference, manifested in particular through the numerous responses received after the Call for Papers. Through the presentation of 30 scientific papers, produced and delivered by researchers, operators, PhD students and civil society representatives, the Pre-Conference has provided a brief scientific and technical overview of current water challenges Megacities face and solutions they use to mitigate the effects of climate change. Ten thematic sessions were held, consisting of three presentations of 15 minutes each, followed by a 20-minutes Open Discussion. By bringing a network of scientists together, the Pre-Conference “Water, Megacities and Global Change” has allowed to put science at the service of populations across the world and improved the conditions for better water management in megacities. An average of 1280 people per day participated at the Pre-Conference. The conference placed special emphasis on youth, in line with UNESCO’s Global Priority on Youth, and it was demonstrated during the Youth Declaration that took place on the last day before the Closing Ceremony.

The EauMega Pre-Conference is a one-step forward for the Second International Conference “Water, Megacities and Global Change” scheduled to take place in January 2022 at UNESCO Headquarters in Paris. The one-year postponement of the physical conference will be used to update the themes of EauMega 2022 by adding new content, for example, the Covid-19 pandemic and the unprecedented climatic disasters of the year 2020.

2.2. Specific Objective

- To produce a scientific and technical overview of water management in Megacities, in order to raise awareness on and update the most pressing challenges identified
- To strengthen the dialogue between science and policy actors
- To officially establish the cooperation platform and launch the Strategic Global Framework of the Megacities Alliance for Water and Climate (MAWAC) by concretizing the exchange of multidisciplinary expertise in the specific field of water

⁸ Syndicat Interdépartemental pour l'Assainissement de l'Agglomération Parisienne

⁹ Association de Recherche-Collectivités dans le domaine de l’EAU Ile de France

2.3. Structure of the Conference

2.3.1. Opening ceremony and keynote speech

The conference will start with an opening ceremony in Room I from 11:00 to 12:30, with high-level panel followed by keynote speeches. The DG of UNESCO, a representative of the French government (probably Ministry for Ecological and Solidarity Transition) and ARCEAU's President will also intervene, along with the Executive Secretary of UN-Habitat.

2.3.2. Special Sessions

In addition to the thematic areas identified for the Conference and in order to ensure that the current pandemic situation and its effects are also captured, a specific session is planned on the Impact of Covid-19 on water management in Megacities. The session will be supported by the discussions of related webinars on the same topic, with the participation of 9 Megacities, taken place on July 23, 2020.

Further to the pandemic related session, a second special session on the role of media will be organized.

2.3.3. Technical Parallel Sessions

There will be 31 parallel technical sessions, which will present the work of 146 authors selected following a Call for papers. Following the call, a Programme Committee consisting of 108 experts from 23 countries, reviewed the 434 abstracts received from 1057 authors representing approximately 70 countries.

2.3.4. Round tables

Five round tables will be organized to discuss the results of the scientific-technical sessions through a transversal approach. They will invite operators and officials to discuss the implementation of the solutions presented in the sessions.

2.3.5. Regional Sessions

Further to the conference theme related sessions, the MAWAC Regional Chapters will take the opportunity to organize sessions addressing Regional specific challenges. Thus far, a session on addressing challenges related to informal settlements has been proposed by MAWAC Latin America and Caribbean Chapter.

2.3.6. Youth Participation

In-line with the UNESCO's Operational Strategy on Youth (2014-2021), the conference organizers are committed to engage with youth not just as beneficiaries but also as knowledge holders and innovators. To this end, a Youth Steering Committee has been constituted and is in charge of organizing youth activities and engagement.

2.3.7. Side-event

Throughout the duration of the conference, side-events will be organized by stakeholders in the sector to address issues complementary to the conference themes.

2.3.8. Technical Visits

Technical visits will be proposed to present on-site solutions and innovations and reinforce the technical cooperation between local and international water operators.

2.3.9. Gala Dinner

A gala dinner is scheduled on the third day of the conference in the evening and envisioned to hopefully take place in the Salon de l'Hôtel de Ville de Paris.

2.3.10. Closing Ceremony

The closing ceremony will take place on the Friday morning in Room I from 11:00 to 12:30 and will be constituted by a high-level panel followed by keynote speeches.

2.3.11. General Assembly of the MAWAC

The General Assembly of the MAWAC will take place on Friday, 14 January, 2022 in the afternoon. Mayors, Governors and officials from Megacities around the world will be invited to officially establish the MAWAC and launch the membership and the cooperation platform based on UNESCO's IHP-WINS.

UNESCO's Director-General will welcome the Megacities' Officials who will participate at the General Assembly of the Megacities Alliance for Water and Climate.

2.4. Expected Outputs / Outcomes

- Declaration of the Mayors for the formal establishment of the Megacities Alliance for Water and Climate
- Signature of the Strategic Global Framework of the MAWAC, prepared by the Working Group of UNESCO Intergovernmental Hydrological Programme (IHP)
- Launching of the MAWAC cooperation platform based on IHP-WINS
- Publication of the 10 best papers in an open-access international scientific journal
- UNESCO electronic publication of the proceedings of the conference
- Youth Declaration and/or Call for Actions for water and climate change in Megacities

Annex. Past Events (updated 16 March 2021)

Time	Activity	Location
1-4 December 2015	UNFCCC COP 21 First International Conference on “Water, Megacities and Global Change” (EauMega 2015) Launch the initiative, signature of the Declaration of the Megacities Alliance for water and climate by UNESCO-IHP, ICLEI and ARCEAU-IdF	Paris, France
13-17 June 2016	22nd session of the IHP Intergovernmental Council Establish the MAWAC Working Group consisted of 11 megacities	Paris, France
15-Jun-16	Habitat III, Urban Breakfast Water and Climate Change Adaptation Strategies in Megacities	Paris, France
10-14 July 2016	7th Singapore International Water Week (SIWW)	Singapore, Singapore
28 August-2 September 2016	World Water Week	Stockholm, Sweden
5-7 October 2016	WaterLinks Forum Proposition of establishing the regional platform for MAWAC	Manila, Philippines
17-20 October 2016	Habitat III Launch of the publication “Water, Megacities and Global Change”	Quito, Ecuador
7-18 November 2016	UNFCCC COP 22 Signature of the “Marrakech Declaration of Global Alliances for Water and Climate”; launch of the publication “Eau, mégapoles et changement global”	Marrakech, Morocco
29 May-3 June 2017	XVth IWRA World Water Congress	Cancun, Mexico
27 August-1 September 2017	World Water Week	Stockholm, Sweden
20-23 September 2017	1st Asian International Water Week(AIWW); Korea International Water Week 2017	Gyeongju, South Korea
13-16 November 2017	IWA Water and Development Congress & Exhibition (IWA WDCE2017)	Buenos Aires, Argentina
6-17 November 2017	UNFCCC COP 23	Bonn, Germany
18-23 March 2018	8th World Water Forum	Brasilia, Brazil
June 2018	Launch of Partnership Project between SIAAP and MMDA (Metropolitan Manila Development Authority) on the Rehabilitation of Pasig River	Manila, Philippines
25-27 September 2018	WaterLinks Forum 2018	Manila, Philippines
7-8 May 2019	Regional Conference for Latin America and the Caribbean¹⁰ Signature on the principal framework of MAWAC-LAC Alliance	Sao Paulo, Brazil
13-14 May 2019	International Water Conference	Paris, France
31-Oct-19	World Cities Day	Paris, France
7-8 November 2019	UNESCO Metropolitan “ECO-RISE” R2020 Colloquium “Eco-development, Climate-impacts & service-Operators’ challenges for Resilient Infrastructure & Sustainable Ecosystems”	Paris, France
2-13 December 2019	UNFCCC COP 25 One UN for Climate-Compatible Cities PCCB Second Capacity Building Hub	Madrid, Spain
31 January 2020	ChangeNOW 2020 Program for Cities and Regions	Paris, France
8-13 February 2020	World Urban Forum 2020 UNESCO Cities Platform: urban solutions for global challenges	Abu Dhabi, United Arab Emirates
25 June 2020	Webinar - Urban Solutions: Learning from cities’ responses to COVID-19	Online
23 July 2020	Webinar - COVID-19 Implication on Water Management in Megacities: Impacts, Reactions, and Lessons	Online

¹⁰ For more information: <https://en.unesco.org/news/challenges-megacities-related-water-and-climate-change-latin-america-and-caribbean>

24-28 August 2020	World Water Week Urban Water Resilience Under COVID-19: What happens next?	Online
10 November 2020	City-Basin Dialogue: INBO-IWA Methodological Guide on Cities Connected to Their Basin	Online
7-11 December 2020	Pre-Conference of Second International Conference “Water, Megacities and Global Change”	Online Meeting

Annex. Upcoming Major Activities (updated 16 March 2021)

Tentative Time	Activity	Format
From December 2020	Launch of New Water Monographies (2020-2022)	N/A
26-27 May 2021	MAWAC-LAC second regional meeting	Online Meeting
14-16 June 2021	MAWAC-ASPAC first regional meeting	Online Meeting
21-22 June 2021	MAWAC-AFR first regional meeting	Online Meeting
6-7 July 2021	MAWAC-ENA first regional meeting	Online Meeting
February – June 2021	Consultation on MAWAC Strategic Global Framework (first draft)	N/A
TBC	EauMega 2022 Webinar Series	Online Meeting
TBC	New Call for Paper	N/A
TBC	New Call for Partnership	N/A
TBC	Call for Side Event	N/A
11th- 14th January 2022	Second International Conference “Water, Megacities and Global Change” (EauMega 2022)	Physical Conference UNESCO HQs, Paris