

Global Alliances for Water and Climate

GAfWaC

Basins

Business

Megacities

Desalination



Water Action Day

REPORTING ON FLAGSHIP INITIATIVES AND THEIR PROGRESS

By the Global Alliances for Water and Climate (GafWaC),

Moderator: Mr. Jean Francois DONZIER, General Secretary GafWaC,

Basin Alliance of the "Paris Pact":

- Mr. Roberto RAMIREZ DE LA PARRA, INBO World President,

Business Alliance: Mr. Jason MORRISON, CEO Water Mandate and

- Mr. Bertrand CAMUS, Deputy Director General of SUEZ Water Europe,

Megacities Alliance:

- Mr. Jean Didier BERTHAULT, Representing Greater Paris Authorities, Vice President SIAAP

Global Clean Water Desalination Alliance:

- Ms. Fatima AL SUWAIDI.

FURTHER, FASTER— TOGETHER

Marrakech
Partnership





- **The Alliance of the 360 signatories of the Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers, facilitated by INBO in partnership with UNECE,**
- **The Business Alliance for Water And Climate Change - BAFWAC, launched by the Carbon Disclosure Project - CDP, the CEO Water Mandate, the World Business Council for Sustainable Development and SUEZ, which has now 44 member organizations, including 30 leading companies,**
- **The Alliance of Megacities for Water and Climate, facilitated by UNESCO, ICLEI, SIAAP and Arceau-IDF, gathering 16 Megacities for a total population of 300 million inhabitants,**
- **Global Clean Water Desalination Alliance:**

The four "Alliances" of Basins, Megacities, Desalination and Business are getting mobilized to support the implementation of the Paris Agreement



Conférence des grands lacs africains à Entebbe 2 – 5 Mai 2017



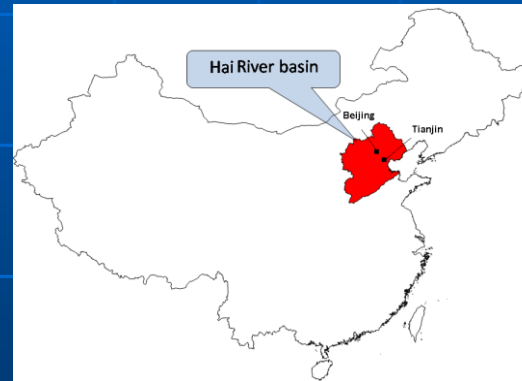
“Paris Pact” flagship projects

CHINA – HAI RIVER BASIN

Integrated Water resources management
And adaptation to climate change.



The 3 - 1000 km long water S/N transfers diverting flows of the Yangtze river to provide water to the water stressed cities of Beijing and Tianjin in the Hai river basin.



Context:

- Megacities (Beijing+Tianjin: 34 million people)
- Highly affected by water stress, frequent floods and droughts, and high pollution

“Paris Pact” flagship projects

MEXICO – MEXICO DF AND VALLEY
Integrated water resources management
and adaptation to climate change.

District Federal and 60 neighbor Municipalities



Context:

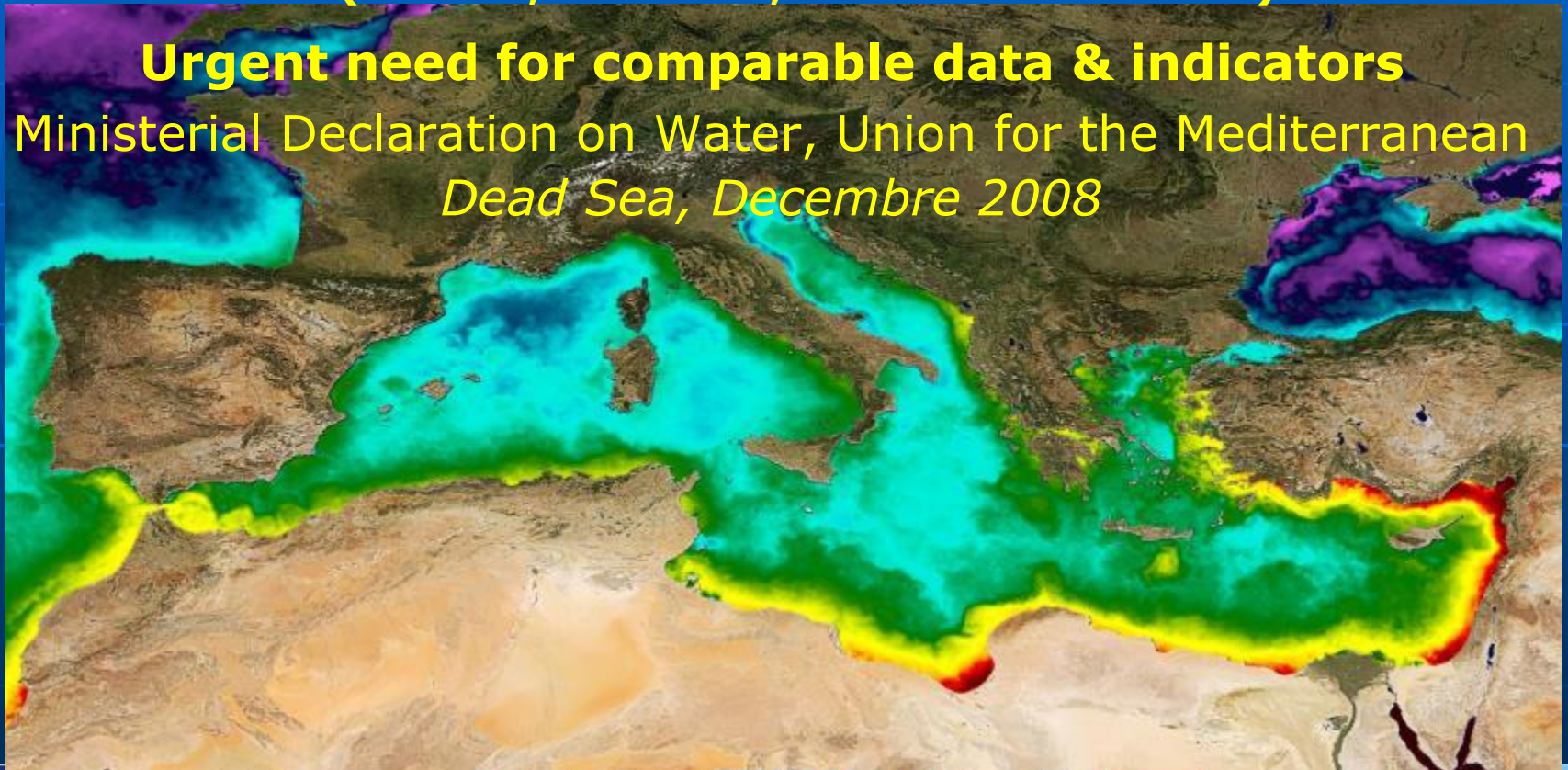
- Megacity (Mexico: 23 million people – 2nd W largest city),
- Altitude 2250m,
- Scarcity: 160 m³/habitant/an,
- Low level of aquifers, driving of soils,
- Eutrophisation of the réservoirs,
- Urban flooding
- Low level of waste water treatment



“Paris Pact” flagship projects

**THE MEDITERRANEAN WATER
KNOWLEDGE PLATFORM
for adaptation to climate change
(Jordan, Lebanon, Morocco & Tunisia)**

Urgent need for comparable data & indicators
Ministerial Declaration on Water, Union for the Mediterranean
Dead Sea, Decembre 2008



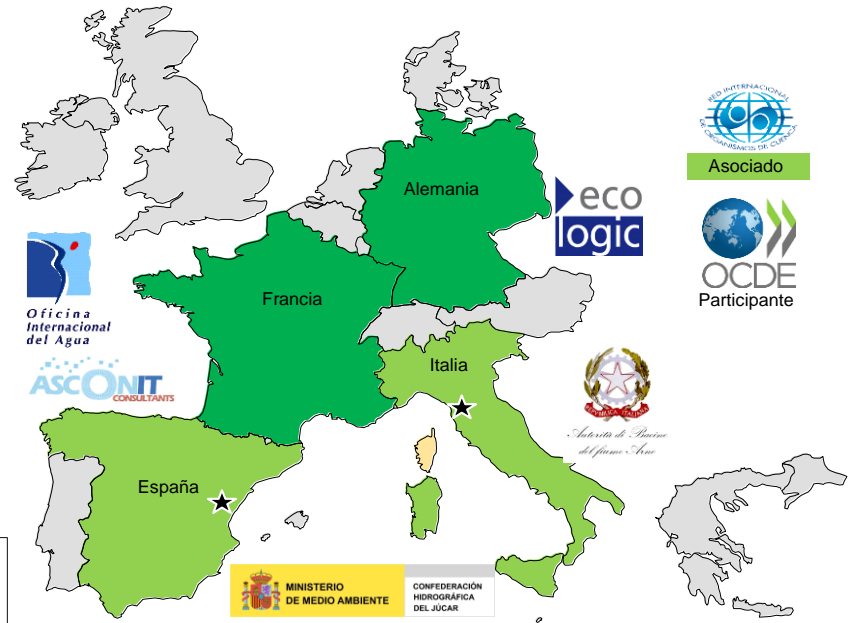


PARIS2015
CONFÉRENCE DES NATIONS UNIES
SUR LES ÉCHANGES CLIMATIQUES
COP21-CMP11

ECOCUENCAS PROJECT



**Demonstrate in a practical way
the relevance of redistributive mechanisms
for integrated water resources management and better resilience;**



Asociado



Participants of the project

Défis de l'information sur la dynamique climatique



- Diminution sensible des stations d'observation et collecte des données hydrométéorologiques au sol,
- Difficulté de validation des scénarios des projections globales de changement climatique.

Création « d'Hydrus » au Brésil Brasilia – 18 – 19 Avril 2017



Detection/analysis of projects



Incubation of selected projects
Developping links with donors
Interfacing project holders/donors



**COP23
Roundtable
with donors**



Current portfolio of projects

With the support of



National Water Information System Development Plan

Fes city wastewater treatment plant improvement plan for urban and industrial wastewater

Project preparation of Diama dam basin's monitoring system for natural resources and adaptation measures

Sava river Basin Climate adaptation plan

Capacity Building for the Rehabilitation of the Zarqa River Project

BAFWAC : Web-Based Peer Learning and Collective Action Platform





Accueil • Évènements à venir

ÉVÈNEMENTS À VENIR



L'eau à la COP23

06/11/2017 - 17/11/2017



Eau à la COP23 - Venez signer la déclaration

09/11/2017 - 10/11/2017



8e Forum mondial de l'eau - Brasilia

18/03/2018 - 23/03/2018



EURO-RIOB 2018 - Seville

17/10/2018 - 20/10/2018



Assemblée Générale Mondiale du RIOB - 2019 - Morocco

PAST EVENTS



GRANDI FIUMI DEL MONDO SI INCONTRANO
SUMMIT INTERNAZIONALE Roma 23 - 25 ottobre 2017

Water and Climate - Meeting of the Great Rivers of the World

10/23/2017 to 10/25/2017



EURO-RIOB 2017 - Dublin

09/20/2017 to 09/23/2017



Climate Chance - World Summit

09/11/2017 to 09/13/2017



XVI World Water Congress

05/29/2017 to 06/02/2017



EECCA NWO International Conference : Challenges of river basin management in context of climate change

05/18/2017 to 05/19/2017



African Great Lake Conference

05/02/2017 to 05/05/2017



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2 December 2015
at COP21



WATER AND ADAPTATION TO
THE EFFECTS OF CLIMATE CHANGE

WE MUST
CAN
WILL



Lima-Paris Action Agenda



Paris Pact on water and adaptation to climate change in the basins of rivers, lakes and aquifers

We, representatives of governments, international organizations, donors, national and transboundary basin organizations of rivers, lakes or aquifers, local authorities, of the civil society and companies, support the integration of fresh water into the Global Climate Action Agenda, especially for initiating or strengthening necessary adaptation actions in the basins of rivers, lakes, aquifers, large wetlands as well as coastal areas.

GENERAL STATEMENT

Climate change is already affecting and will increasingly affect the quantity and quality of freshwater and aquatic ecosystems, especially through the intensity and greater frequency of extreme hydrological events, such as floods and droughts, as well as the increase in ocean level, which...

360 SIGNATORIES!!

We recognize that adaptation actions should be undertaken without delay to minimize the impacts of climate change on the populations' health and safety, on economic development and the environment, considering the importance of the protection of water-related ecosystems.

The basins are natural areas where water flows on the surface and in the subsoil: they are the relevant territories for organizing water resources management.

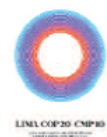
In order to ensure more effectiveness, these actions to adapt to climate change should thus be implemented at the level of river, lake and aquifer basins, through a joint, participative, integrated and sustainable water resources management.

We should act quickly before it is too late!
To that end, mobilizing new and increasing funding dedicated to climate change adaptation in basins is essential. Therefore, new basin organizations and existing ones should be financed and strengthened to facilitate the cooperation, coordination and exchange of information, dialogue, consultation and prevention of conflicts between stakeholders and to enhance the implementation of adaptation measures and the sharing of benefits on the basin scale,

We encourage donors to support prior assessments and actions for adaptation to climate change in basins,

Local authorities and communities, economic sectors and the civil society should be better associated and involved in basin management, including in the definition and implementation of adaptation measures.

Cooperation and exchange should increase between the institutions involved, especially among the basin organizations at the global and regional levels in order to facilitate the transfer of experience and know-how on best practices in basin management and adaptation to climate change.



vCOP22

Paris Pact



www.inbo-news.org
www.cop22.ma





Paris Pact on water and adaptation to climate change in basins

RECOMMENDED ACTIONS:

1) Reinforce capacity development and knowledge,

Establish risk warning and water information systems in a context of uncertainty.

2) Adapt basin management planning to climate change,

Better controlling water demand and developing a more efficient and sustainable use of water resources (including groundwater) - Enhance the services of water-related ecosystems

3) Reinforce governance,

Create new basin organizations and reinforce existing ones

Support mechanisms for the involvement of the stakeholders in basin management,

4) Ensure adequate financing.

Establish investment program and sustainable financing mechanisms

We do not have to reinvent the wheel to act quickly!

Did you sign it?



**OCDE – WGI à RABAT
12 – 13 Janvier 2017**



**WWF8 – BRASILIA
Thematic Coordination Group Meeting
1er – 2 Février 2017**



**EECCA – NBO General Meeting
à Moscou
18 – 19 Mai 2017**

IWRA International Forum À CANCUN 29 Mai - Juin 2017






 An Roinn Tithíochta, Pleanála,
 Pobail agus Rialtais Áitiúil
 Department of Housing, Planning,
 Community and Local Government


 Department of
**Agriculture, Environment
 and Rural Affairs**


 Comhairle Cathrach
 Bhaile Átha Cliath
Dublin City Council


**INTERNATIONAL NETWORK
 OF BASIN ORGANIZATIONS**


 Comhairle Contae
 Fhine Gall
 Fingal County
 Council


epa
 Environmental Protection Agency


meetinireland.com


NIEA Northern Ireland
 Environment Agency


EURO-RIOS
EUROPE-INBO

International Network of Basin Organizations
 European Group of Basin Organizations: EUROPE-INBO

15th International Conference
"EUROPE-INBO 2017"
 THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE
 MALAHIDE – IRELAND – 20 - 23 September 2017.







HIGH LEVEL DECLARATION

Nature-based Solutions for water management under climate change

Marrakech Partnership



french water partnership



partenariat français pour l'eau

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Business Alliance for Water and Climate

Water Action Day – November 10, 2017



BAFWAC

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BAFWAC Key Facts

- **Four founding partners:**
 - CDP, SUEZ, UN Global Compact's CEO Water Mandate, WBCSD
- **Over 50 Signatories:**
 - Representing a total aggregated income of US \$650 billion from the five continents
- **Four levels of ambition:**
 - Analyze and share water related risks to implement collaborative response strategies
 - Measure water footprint with existing standards
 - Reduce impacts on water availability and quality in direct operations and all along the value chain
- **Three fields of innovative action:**
 - Applying the principles of the circular economy to water management
 - Enhancing the resilience of the agriculture/food value chain
 - Promoting "green" infrastructure
- **One operational objective:**
 - Achieving 100 signatories by 2020 representing \$1 trillion revenues



The CEO Water Mandate

Corporate Partner



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BAFWAC's 2017 Achievements



Business Alliance for Water and Climate

Mobilizing the global business community to act on these two critical, interdependent sustainability challenges

- Collaborative platform
www.bafwac.org
- **Web-Based Peer Learning and Collective Action Platform**, in alignment with Global Alliance for Water and Climate
- **Global BAFWAC's members survey** on progress on three levels of ambition, in link with CDP Water programme

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AGWA

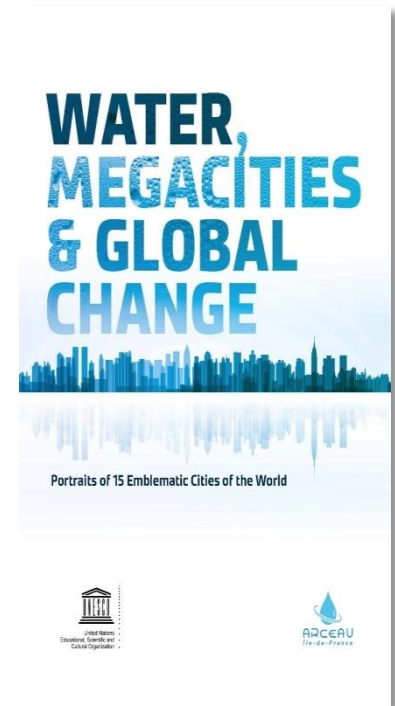
#CLIMATE IS WATER



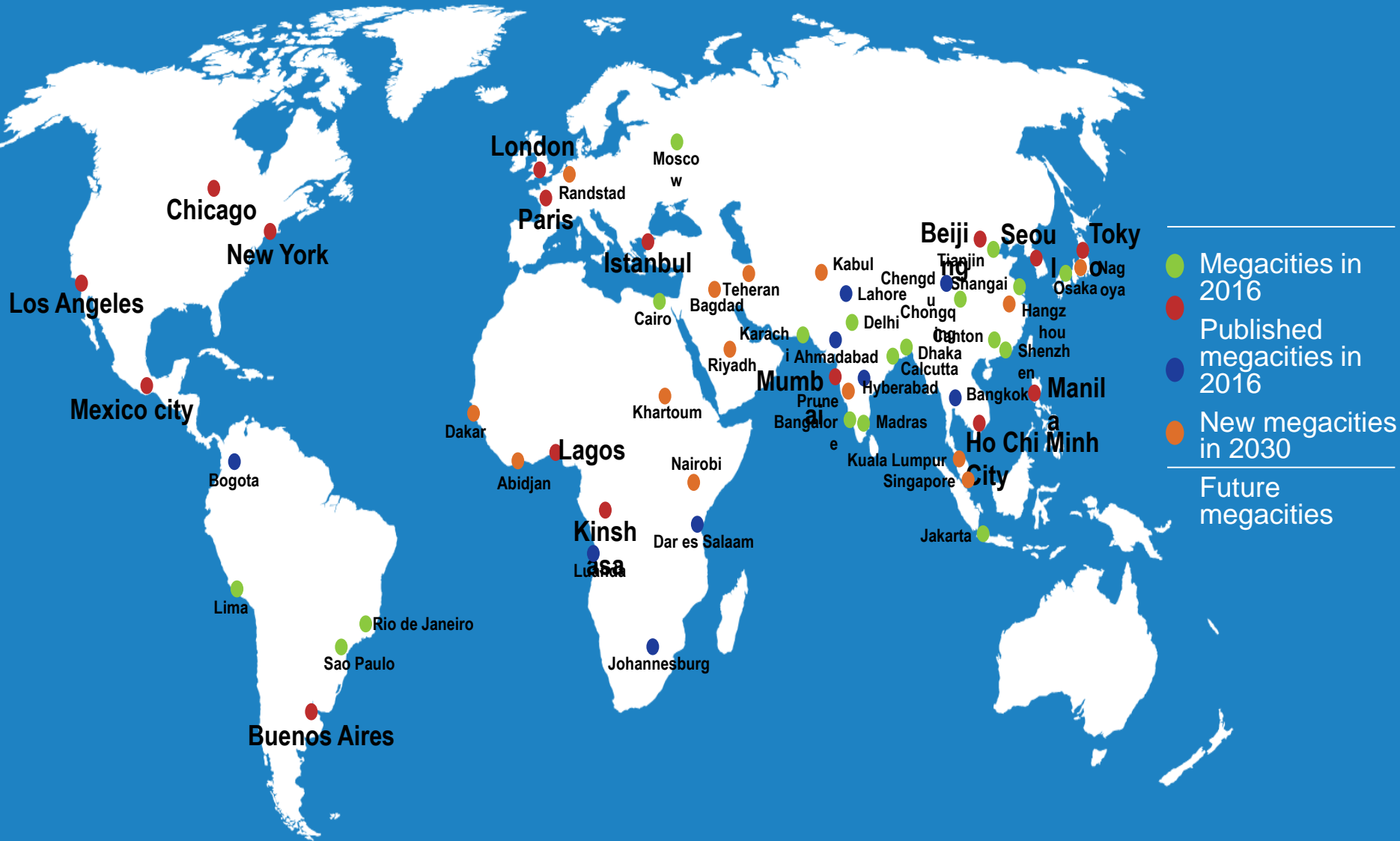


MEGACITIES ALLIANCE FOR WATER AND CLIMATE

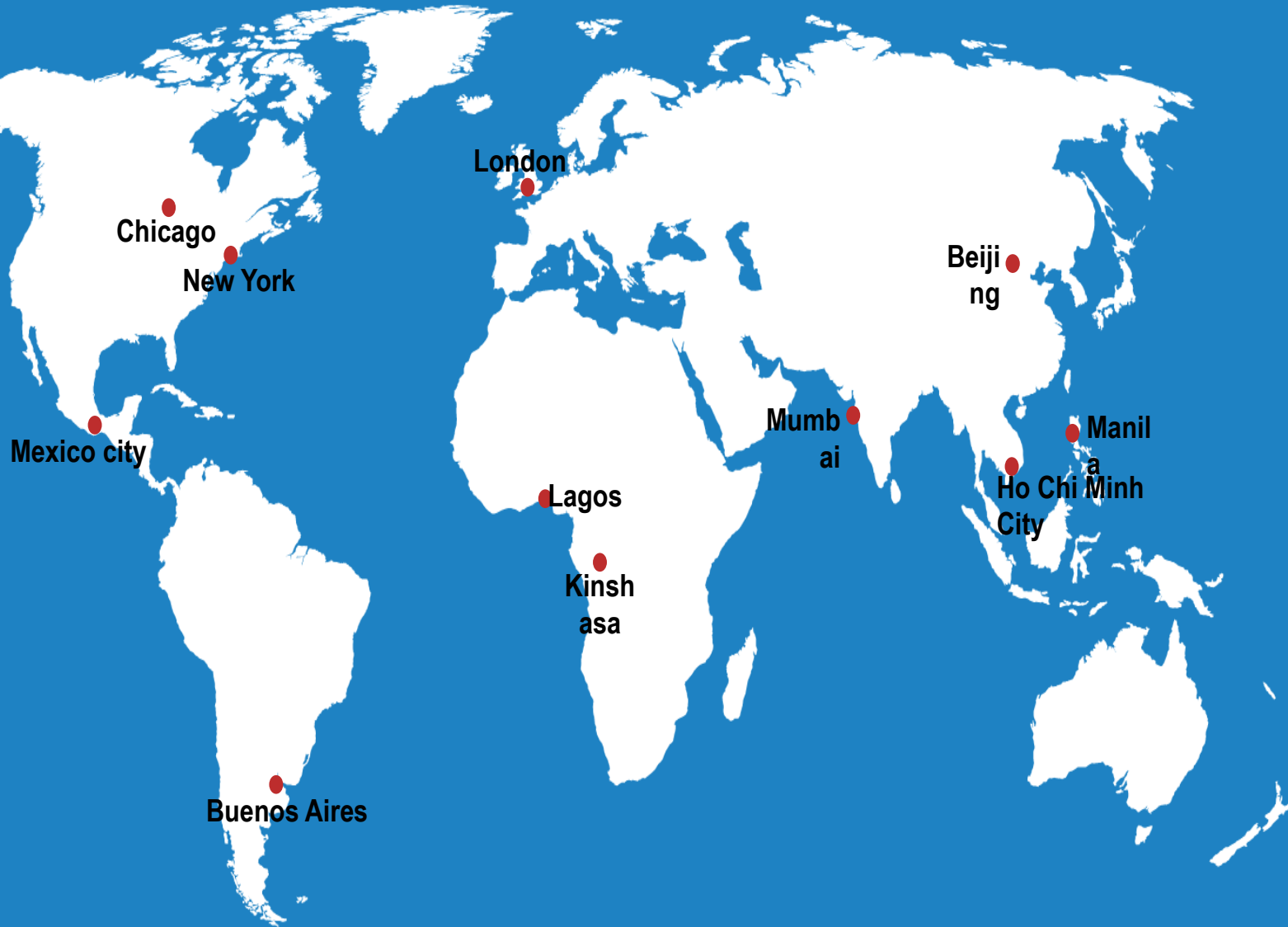
<https://en.unesco.org/mawac>



Present & Future Megacities



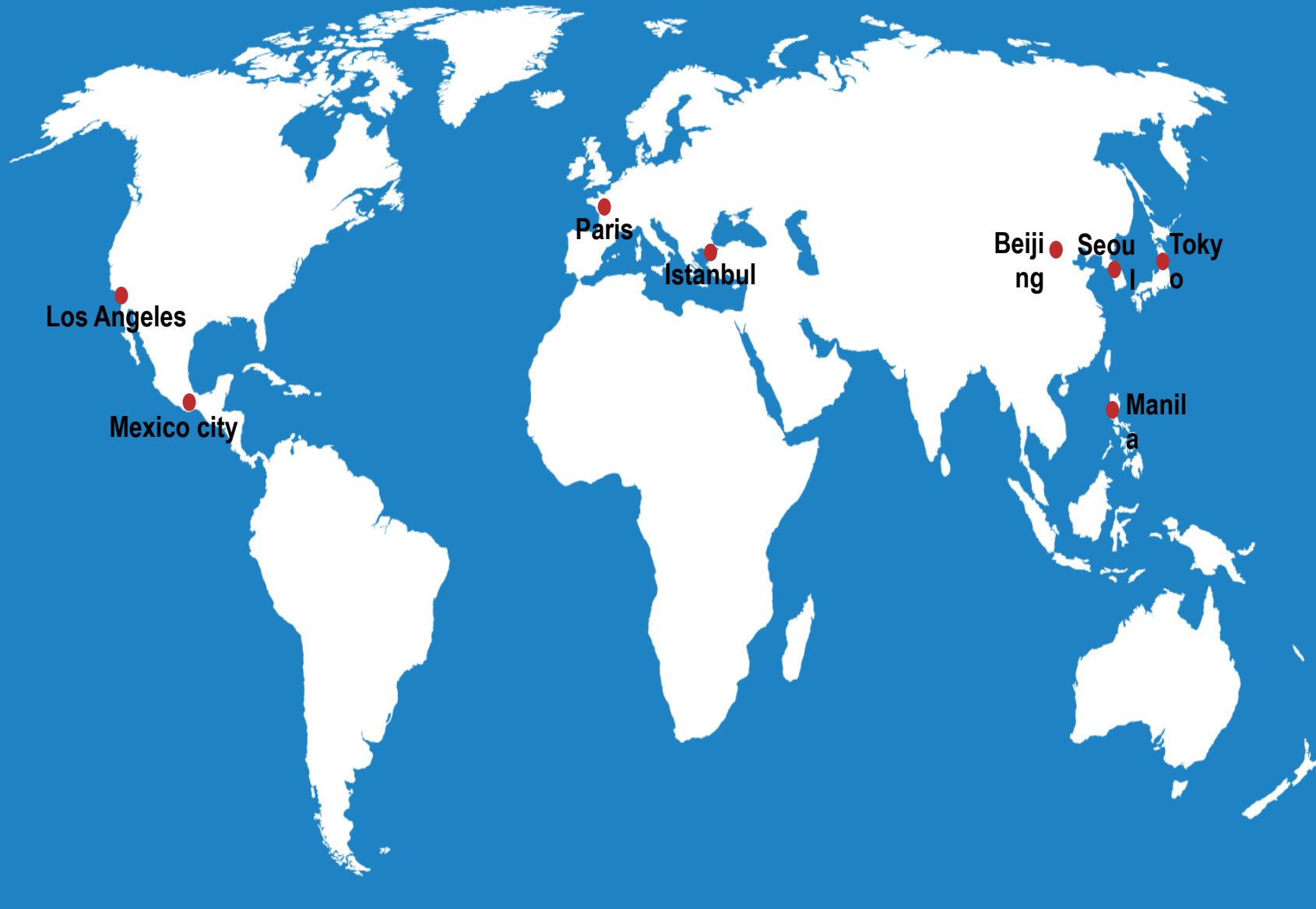
Urban floods



Sea level rise



Water scarcity



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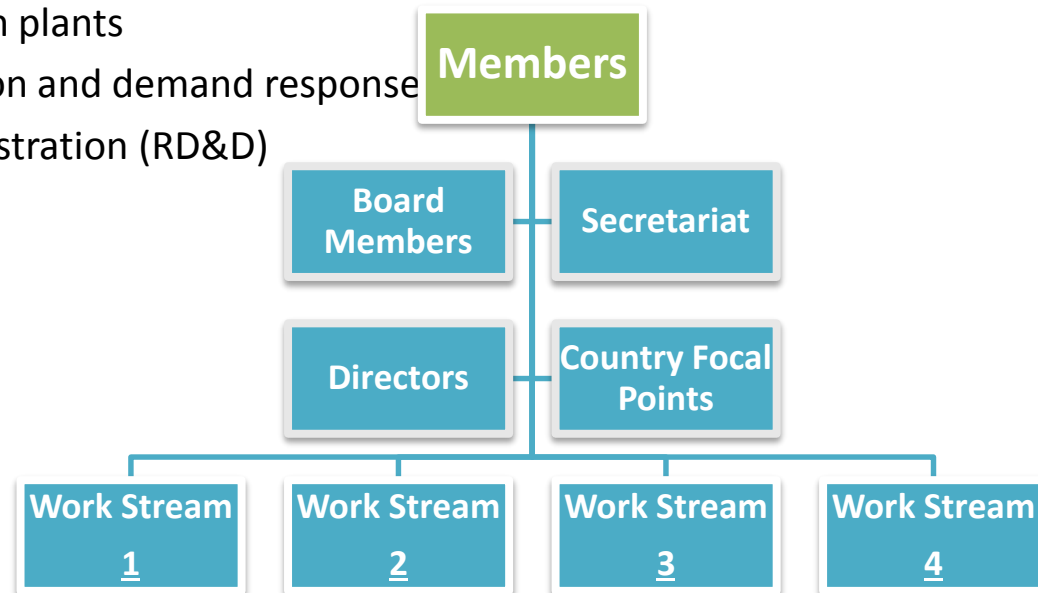
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- Launched at the 2015 United Nations Climate Change Conference COP21 in Paris
- It is one of the initiatives under the Lima Paris Action Plan, focusing on CO₂ emission reductions in the desalination industry
- Alliance is open to all categories of actors, such as utilities, industries, research organizations, universities, NGOs, associations, local authorities and governments

The Alliance will work on **4 key work streams**:

- Clean energy supply for desalination plants
- Energy efficiency, systems integration and demand response
- Research, development and demonstration (RD&D)
- Education, training and outreach



Contact us at
GCWDA.Secretariat@masdar.ae





