



WATER, MEGACITIES
AND GLOBAL CHANGE

1 - 4 December 2015

INTERNATIONAL CONFERENCE
WATER, MEGACITIES AND
GLOBAL CHANGE

"Lights Here" by Finnish artist Kari Kola, installed by Valopanta Ltd. © UNESCO/Nora Houquehaine

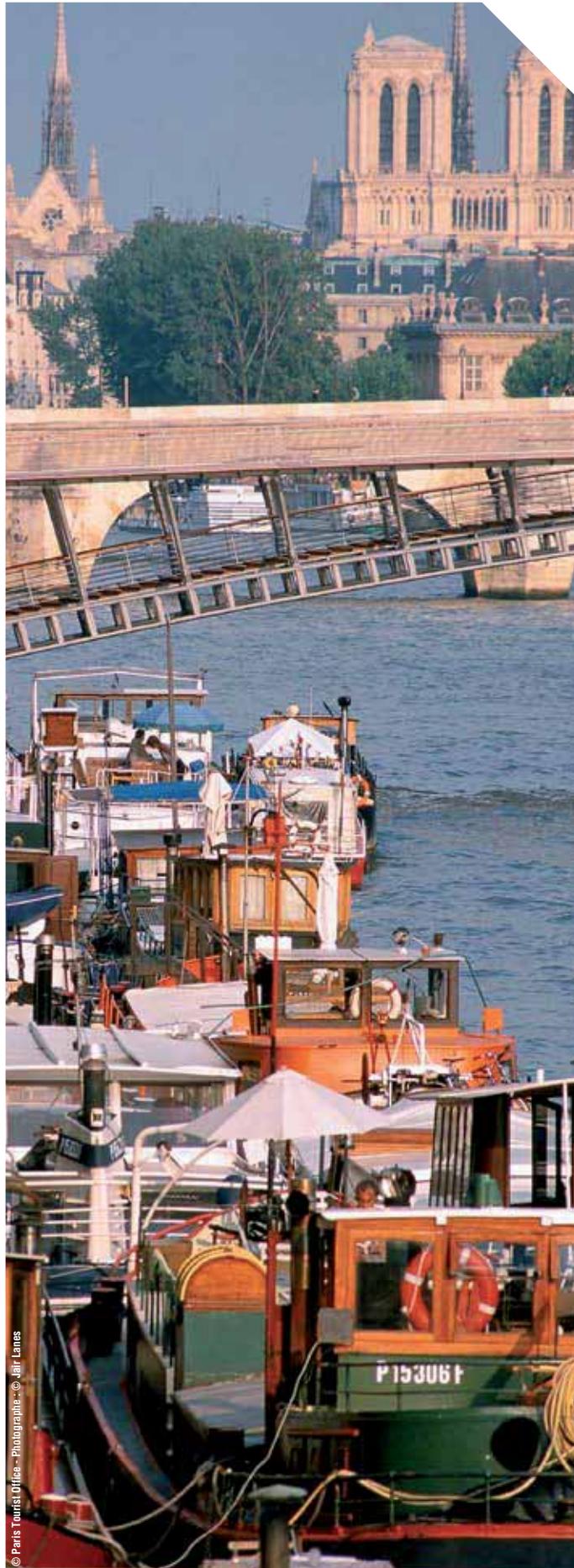
UNESCO HQ

PARIS - FRANCE





International conference on water, megacities and global change / Conférence internationale Eau, mégapoles et changement global



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LUNDI 30 NOVEMBRE

19h30 - 22h :

ICE BREAKING EVENT - COCKTAIL DE BIENVENUE

For registered participants - Sur inscription

UNESCO - Bâtiment Fontenoy, 7^e étage -
Place Fontenoy, 75007 Paris

DAY 1 - JOUR 1 1 DECEMBER - 1^{er} DÉCEMBRE

9h : REGISTRATION - ACCUEIL DES PARTICIPANTS

9h30 : WELCOME COFFEE - CAFÉ D'ACCUEIL

10h - 12h :

OPENING SESSION - SESSION D'OUVERTURE

Irina Bokova, General Director of UNESCO -
Directrice générale de l'UNESCO

Angel Gurria, General Secretary of OECD -
Secrétaire général de l'OCDE

*Cynthia Rosenzweig, Nasa, Columbia University,
Co-Director UCCRN* - Co Directrice de l'UCCRN

12h - 13h30 : LUNCH - DÉJEUNER

13h30 - 15h30 :

OPENING SESSION - SESSION D'OUVERTURE

Representative of the World Bank -
Représentant de la Banque mondiale

Arjun Thapan, President of WaterLinks -
Président de WaterLinks

Diane d'Arras, Vice president of IWA -
Vice-présidente de l'IWA

15h30 - 16h : BREAK - PAUSE

16h - 18h :

MONOGRAPHS SESSION -

SESSION MONOGRAPHIES

Presentation of 4 monographs -
Présentation de 4 monographies

Time for debate - Temps d'échange

Presentation of a synthesis of monographs -
Présentation d'une synthèse des monographies

Blanca Jiménez-Cisneros, Secretary UNESCO-IHP -
Secrétariat UNESCO-PHI

Time for debate - Temps d'échange

18h : END OF DAY 1 - FIN DU JOUR 1



DAY 2 - JOUR 2 2 DECEMBER - 2 DÉCEMBRE

8h : REGISTRATION - ACCUEIL DES PARTICIPANTS

8h30 - 10h30 :
PARALLEL SESSIONS - SESSIONS EN PARALLÈLE

Resiliency and climate change 1 -

Résilience et changement climatique 1

Climate change and drought management in Tehran megacity, F. Vojdani

Ho-Chi-Minh City and the risk of flooding resulting from the coupling between climate change and land subsidence, G. Vachaud

A simulator for strategic planning and for preparation to climate change - Application to Lima, Danang, Kigali and Cali, M. Schuetze

The challenge of climate change for Paris Region's sanitation, J.P. Tabuchi

Water in megacities 1 - Eaux et mégapoles 1

Water for megacities: challenges and solutions under global change, A. Michelsen

Piscinão: problems and possibilities of stormwater detention as civic infrastructures in São Paulo, Brazil, B. Davis

Water management strategies for development of Kolkata megacity, India, A. K. Bera

Khartoum waterscapes: hydrosocial networks and transformations within the city fabric, D. Blanchon, S. Abdallah

Operation of megacities technical systems 1 -

Exploitation des systèmes techniques des mégapoles 1

Assessment of the potential to reduce drinking water consumption by widespread use of rainwater harvesting systems in residential buildings, E. Brizon d'Angelo Chaib

Services for all, a specific program to develop and maintain access to water and sanitation in poor suburban areas, P. Guiffant

Forecasting quality of raw water to optimize drinking water production, N. Fauchon

From wastewater treatment plant to water valorization system, G. Grau

10h30 - 11h : BREAK - PAUSE

11h - 13h :
PARALLEL SESSIONS - SESSIONS EN PARALLÈLE

Resiliency and climate change 2 -

Résilience et changement climatique 2

Needing to forecast urban inundation events for Ho Chi Minh City (Viet Nam) resiliency, T. Dung Tran Ngoc*

Identification of trends for extreme events of precipitation in the metropolitan region of Belo Horizonte through statistical methods, A. de Araújo Nunes

Urban development and its response to flooding hazards in Bordeaux (France) and Bangkok (Thailand), C. Parin

Participative Water Resilience Index (PWRI): Comparative results for long-term flood risk management projections in the great state of São Paulo - Brazil, E. M. Mendiondo

Water in megacities 2 - Eaux et mégapoles 2

Upstream - downstream contamination gradient of the fluvial urban system in Chennai (Tamil Nadu, India), S. P. Saravanan

The opportunities and hazards of urban integrated water resource management for public space and ecology in Los Angeles and its river, A. Robinson

Multi-scale approach of the green roofing potential: application to the Paris agglomeration, B. de Gouvello

Conciliating urban development with water resources protection in Brazil through the conception of a "Trama Verde e Azul", green-blue network, as an urban planning framework, J. Eleutério

Operation of megacities technical systems 2 -

Exploitation des systèmes techniques des mégapoles 2

Water resources quality management by implementation of Tehran megacity's wastewater project, H. Saberi

Urban water use model application for water conservation in Curitiba City, Brazil, D. Costa dos Santos

Water supply system in the Rio de Janeiro Metropolitan Region: open issues, contradictions and challenges of water access in an emerging mega-city, A. Britto

The water challenges of megacities: vulnerability and wastewater problems in Delhi, G. Kumar

13h - 14h : LUNCH - DÉJEUNER

14h - 16h :
**SESSION ELECTED OFFICIALS
AND CIVIL SOCIETY PART 1 -**

SESSION REPRÉSENTANTS POLITIQUES
ET DE LA SOCIÉTÉ CIVILE PARTIE 1

16h - 16h30 : BREAK - PAUSE

16h30 - 18h :
**SESSION ELECTED OFFICIALS AND CIVIL
SOCIETY PART 2 -**

SESSION REPRÉSENTANTS POLITIQUES
ET DE LA SOCIÉTÉ CIVILE PARTIE 2

18h : END OF DAY 2 - FIN DU JOUR 2



DAY 3 – JOUR 3 3 DECEMBER – 3 DÉCEMBRE

7h30 : REGISTRATION - ACCUEIL DES PARTICIPANTS

8h - 10h :
PARALLEL SESSIONS - SESSIONS EN PARALLÈLE

Resiliency and climate change 3 -

Résilience et changement climatique 3

Consequences of climate change on water resources management on the Seine basin, C. Jost

Difficulties in installing sustainable urban drainage policy in some latin america megacities: case of the Matanza Riachuelo basin, Argentina, J. C. Bertoni

Urban hydro morphology index as tool to improve living environment and the city resilience towards climate change, M. Seidl

Long term resilience for urban water systems: myths and reality for the metropole of Paris, E. Adler

Paradoxes of sustainable development 1 -

Injonctions paradoxales du développement durable 1

Evaluating the environmental impact of losses reduction in drinking water networks, J. Pillot

The pragmatic integration of hydrological recommendations into a stormwater regulation - The stormwater zoning of the Val-de-Marne department, P. Bompard, G. Petrucci

Lower water bills: the city Los Angeles shows how efficient water rates produce affordable and sustainable use, B. Prokop

Water governance and sustainability dilemmas in global cities, F. Lee

Innovation 1 - Innovation 1

Nutrient and energy flows related to wastewater management in the Greater Paris: the potential of urine source separation under global change constraints, F. Esculier

Life cycle assessment of water management forecasting scenarios in Paris suburban area, P. Loubet

Simulation of scenarii with source separated system integrated in the cities for wastewater added value, M. Besson

Potential for wastewater heat recovery in Paris: from theory to practice, M. Bouvier, M. Gaussens, O. Saison

10h - 10h30 : BREAK - PAUSE

10h30 - 12h30 :

WORKSHOP AND PARALLEL SESSIONS -

ATELIER ET SESSIONS EN PARALLÈLE

Workshop Groundwater -

Atelier Eaux souterraines

International Association of Hydrogeologists (IAH)

Paradoxes of sustainable development 2 -

Injonctions paradoxales du développement durable 2

Urban water in megacities: path dependency in sustainability and resilience to global changes policies, B. Baraque

Urbanisation as a driver of transboundary water management in Africa, A. Earle

Urban hydrologic landscapes as a support for integrated urban water management. The case of the Brussels capital region (Belgium), K. de Bondt

Urban agriculture and the production of water in the metropolitan region of Belo Horizonte (RMBH), Brazil, H. Costa

Innovation 2 - Innovation 2

The boundaries of technical sanitation paradigm in Delhi (India), R. de Bercegol

Using CIB scenarios for developing action plans and preparing to climate change : the case of Lima/Péru, C. D. León

The INDH-INMAE project: access to services for all in Casablanca, I. Pechell

Innovative forms of water governance: "new public regies" and the turn from a market management to egalitarian management of a common good, C. Blatrix

12h30 - 13h30 : LUNCH - DÉJEUNER

13h30 - 17h30 : TECHNICAL TOURS -

VISITES TECHNIQUES

On registration - Sur inscription

More details on - Plus de détails sur
<http://eaumega2015.sciencesconf.org/>

17h30 : END OF DAY 3 - FIN DU JOUR 3

19h30 - 23h :

GALA DINNER : CRUISE ON THE SEINE RIVER - DINER DE GALA : CROISIÈRE SUR LA SEINE



Paris Yatch



DAY 4 - JOUR 4 4 DECEMBER - 4 DÉCEMBRE

8h : REGISTRATION - ACCUEIL DES PARTICIPANTS

8h30 - 10h30 :
PARALLEL SESSIONS - SESSIONS EN PARALLÈLE

Urban water infrastructures -

Infrastructures urbaines de l'eau

Recalibrating infrastructure through subsurface and surface system design: the role of technical heritage in designing green/blue cities, T. Bacchin, F. Hooimeijer

Drinking water infrastructure of "Métropole de Lyon": strategic asset management and technical heritage, D. Fangeat

Valuation of social and environmental externalities from sewer networks: some experiences and perspectives for asset management, B. Rulleau, C. Wery

Urban subsurface infrastructure rehabilitation management challenges of NY City water mains, I. Juran

Innovation 3 - Innovation 3

Decision support model for a sustainable supply of the Parisian non-potable water service. Consequences of the diversification of non-potable water resources on the Parisian territory, C. Trinh

Rapid adaptation to water resource volatility for utilities using the smart grid for water, T. Hill or G. Symmonds

Upgrading the resilience of megacities to global warming by reusing waters and adapting water quality to the uses, M. Lafforgue

Festival de l'oh! (Water festival): a cultural tool for citizen awareness on water related issues across a suburban area of Paris city, O. Meier

10h30 - 11h : BREAK - PAUSE

11h - 13h :

PARALLEL SESSIONS - SESSIONS EN PARALLÈLE

Smart tools - Outils intelligents

Water saving impacts of smart meter technology - an empirical five year, whole of community study in Sydney, Australia, R. Shi

Towards a geographic data management as a contribution to asset management of physical networks, P. Bordin

Offsetting the water impact of new development: crafting a national template planning and zoning ordinance, M.A. Dickinson

Scientific and technological paradigm shifts, innovative platforms to manage megacity water in a changing climate, D. Schertzer

Innovation 4 - Innovation 4

The Eau de Paris strategy of resource protection: an opportunity for territorial development and cooperation centered on innovation and support of sustainable agricultural systems, M. Zakeossian

Analyzing collaborations between researchers and practitioners in water and sanitation public services in the county of Seine-Saint-Denis: a retrospective and prospective look at an innovation process involving scientific inputs and reflexivity, R. Quilien and M. Soyer

New paradigms for metropolitan environmental services in France, P. A. Roche

*Pavement-watering as a method to counter extreme heat events: adapting the watering method to different urban materials, M. Hendel**

13h - 14h :

CLOSING CEREMONY - SESSION DE CLÔTURE

14h : END OF DAY 4 - FIN DU JOUR 4



DAY 1 - JOUR 1	DAY 2 - JOUR 2	DAY 3 - JOUR 3	DAY 4 - JOUR 4
		8:00 - 10:00 Resiliency and climate change 3 Résilience et changement climatique 3	
9:00 - 10:00 Registration and welcome coffee Enregistrement et café d'accueil	8:30 - 10:30 Resiliency and climate change 1 Résilience et changement climatique 1 Water in megacities 1 Eaux et mégapoles 1 Operation of megacities technical systems 1 Exploitation des systèmes techniques des mégapoles 1	Paradoxes of sustainable development 1 Injonctions paradoxales du développement durable 1 Innovation 1 Innovation 1	8:30 - 10:30 Urban water infrastructures Infrastructures urbaines de l'eau Innovation 3 Innovation 3
10:00 - 12:00 Opening Ceremony Cérémonie d'ouverture	Break - Pause	Break - Pause	Break - Pause
12:00 - 13:30 Lunch Déjeuner	11:00 - 13:00 Resiliency and climate change 2 Résilience et changement climatique 2 Water in megacities 2 Eaux et mégapoles 2 Operation of megacities technical systems 2 Exploitation des systèmes techniques des mégapoles 2	10:30 - 12:30 WORKSHOP GROUNDWATER Atelier Eaux souterraines International Association of Hydrogeologists Paradoxes of sustainable development 2 Injonctions paradoxales du développement durable 2 Innovation 2 Innovation 2	11:00 - 13:00 Smart tools Outils intelligents Innovation 4 Innovation 4
13:30 - 15:30 Opening Ceremony Cérémonie d'ouverture	13:00 - 14:00 Lunch Déjeuner	12:30 - 13:30 Lunch Déjeuner	13:00 - 14:00 Closing ceremony Cérémonie de clôture
Break - Pause	14:00 - 16:00 Session Représentants politiques et société civile Session Représentants politiques et société civile	13:30 - 17:30 Technical tours Visites techniques	
16:00 - 18:00 Monographs session Session Monographies	16:30 - 18:00 Session Représentants politiques et société civile Session Représentants politiques et société civile		

Working language: English - a French-English translation will be provided during the sessions
Langue de travail : anglais - une traduction anglais-français sera assurée durant les sessions



For more informations, please visit
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