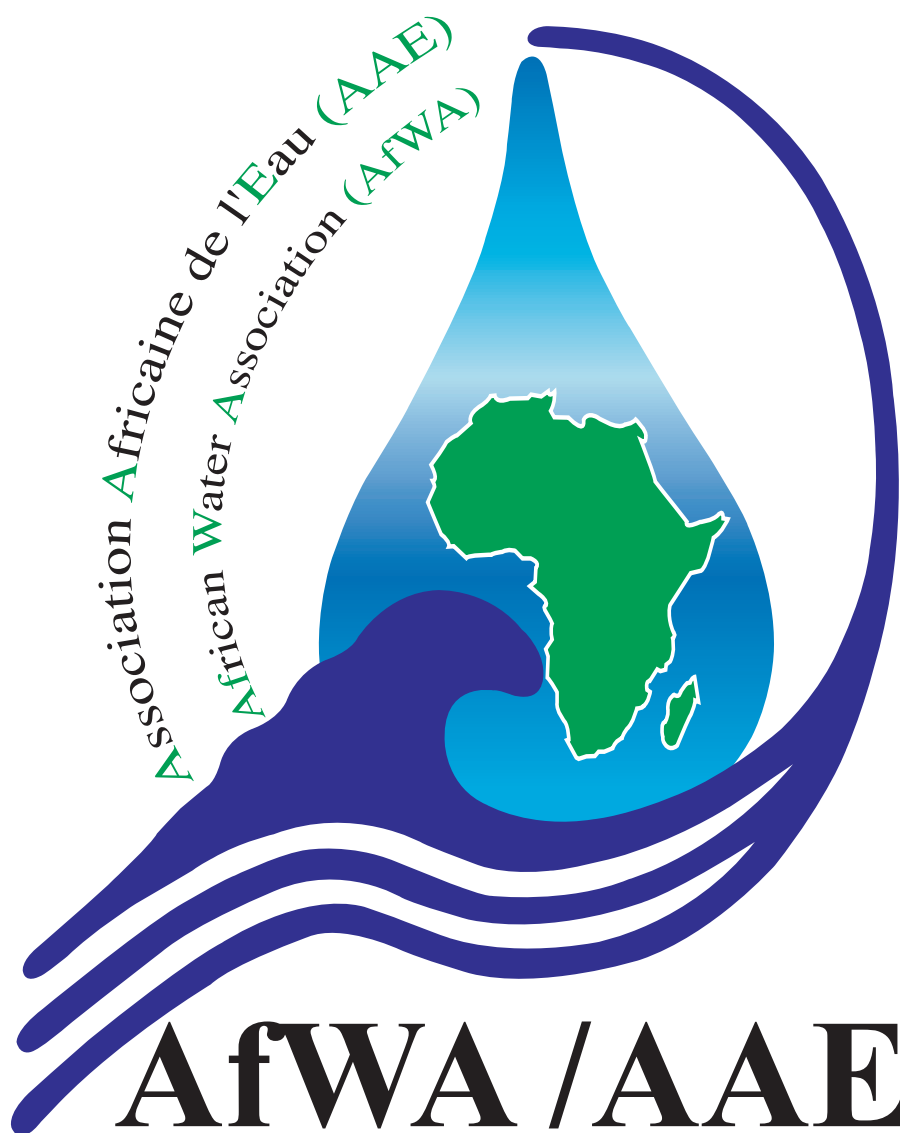


15th African Water Association Congress
from 15th to 18th March 2010

CALL FOR PAPERS



KAMPALA - 2010

« WATER AND SANITATION: WHAT PERSPECTIVES FACING
THE ENERGY CHALLENGES AND CLIMATE CHANGE? »

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AfWA 15TH CONGRESS KAMPALA 2010

**« WATER AND SANITATION:
WHAT PERSPECTIVES FACING
THE ENERGY CHALLENGES AND
CLIMATE CHANGE? »**

Kampala Uganda from March 15th to 18th 2010.

CALL FOR PAPERS

AfWA 15TH CONGRESS KAMPALA 2010

The AfWA will organise its 15th Congress in Kampala, Uganda, from March 15th to 18th 2010.

THE SELECTED THEME OF THIS CONGRESS IS:

« **WATER AND SANITATION: WHAT PERSPECTIVES FACING THE ENERGY CHALLENGES AND CLIMATE CHANGE?** »

The African Water Association will organise its 15th Congress in Kampala, Uganda, from March 15th to 18th 2010 with the following theme: “**Water and Sanitation: what perspectives facing the energy challenges and climate change**”.

The need to convene to enhance exchanges has always been necessary, as well as our willingness to improve professionalism when it comes to ensuring access to quality drinking water and sanitation services for the African population. Today, the issue is not only to achieve the commitment to reduce to half by 2015, the population without sustainable access to drinking water and adequate sanitation services, but also to face a more difficult global economic environment caused by global warming and the increased cost of energy. This justifies the Kampala Congress main theme.

Energy costs component is getting higher and higher in the total cost of water production. Therefore, one can wonder: what is the future for the technologies used so far, facing this increase. Are there any alternatives and at what cost?

Selecting this theme obviously shows the scope of actions and coordination to be undertaken, and this is the merit of the Kampala Congress: to organise such a great meeting in order:

- To share experience and know-how as regards the use of energy for water and sanitation.
- To assess the progress made that aim at reaching or at least getting closer to the millennium

Development Goals brought up by the United Nations.

The many experts who are expected to take part in the 15th Congress of the African Water Association will exchange their experiences during various Technical Sessions covering the water and sanitation service activities.

This major continent level event will be supported by an Important water and sanitation Equipments and Materials Exhibition.

SYMPOSIUM

Symposium :

Climate change and energy issues - what threats to the water and sanitation sector

THEMES OF THE TECHNICAL SESSIONS

THEME 1:

PARTNERSHIP AND CONTRACTUALIZATION FOR A BETTER WATER AND SANITATION SERVICE

Session 1-A :

Financing partnership and contractualization services: sources and criteria, maximising the impacts and benefits from existing sub-regional and regional networks

Session 1-B :

Partnership for improving performance development within the water and sanitation services

Session 1-C :

Problem of partnership and contractualization in Africa: experiences, teachings, and practical alternatives.

THEME 2 :

THE MILLENNIUM DEVELOPMENT GOALS: HALF WAY ASSESSMENT AND PERSPECTIVES

Session 2-A :

Initiatives or innovations to accelerate the attainment of the MDGs in the water and sanitation sector

Session 2B :

Reflections on financial investment in water and sanitation for the poor, approaches, difficulties, challenges, success factors and lessons learned

Session 2-C :

Capacity building and good governance of the water and sanitation infrastructures

Session 2-D :

Faecal sludge management - A bridge towards achieving the MDGs

THEME 3:

THE NEW TECHNOLOGIES OF INFORMATION AND COMMUNICATION IN THE MANAGEMENT OF WATER AND SANITATION

Session 3-A :

Sciences, research, technologies, etc.

Session 3-B :

Integrating basic researches, appropriate techniques and knowledge in the water and sanitation sector

Session 3-C :

Mobilization facing climate change in the developing countries

SCHEDULE OF THE CALL FOR PAPERS

The process for the thematic development of these technical sessions is slightly different from the former Congresses.

Applicants are invited to prepare a summary of their contributions which should not exceed 300 words and 2 schemes or illustrations, and in French or English, or both languages if possible. The summaries should be transmitted by e-mail to the following addresses:

susher.uade@aviso.ci
kfofana.uade@aviso.ci
josses.mugab@nwsc.co.ug

or by regular mail to :
ASSOCIATION AFRICAINE DE L'EAU, SECRETARIAT GENERAL
Avenue 8 Prolongée - A la montée du pont Félix Houphouet Boigny
05 BP 1910 Abidjan 05 Côte d'Ivoire
Tél. (225) 21 24 14 43 / (225) 21 24 04 96 / (225) 21 24 73 53
Fax (225) 21 24 26 29 / (225) 21 24 61 57

The summaries should bear the endorsement: AfWA KAMPALA 2010 with the number and title of the theme relating to the summary. The deadline for the reception of the summaries is July 15th 2009. An AfWA Scientific and Technical Council selection committee will proceed, on the basis of these summaries, to the selection of contributors for each theme.

The contributors will give their point of view on the problem that has been raised and participate in the technical sessions as panellists, rapporteur or facilitators.
The solutions brought to the problems that have been raised will be appreciated.

The selected Authors will be informed on July 31st 2009 latest, and the contributions will be expected by August 30th 2009.

The selected contributors must register to the Congress and will benefit from a preferential tariff for registration fees.

Some terms of reference attached to the current document were written for each of the congress Technical Sessions sub themes to constitute a guide for contributions preparation.

STAGE	DATE	STAGE	DATE
Launching of the call for papers	10/04/2009	Deadline for submitting the contributions	30/08/2009
Deadline for receiving the synopsis	20/07/2009	Deadline for informing contributors of the approval of their contributions by the STC selection Committee	31/09/2009
Deadline for confirming the selected synopsis	31/07/2009	Publishing of the papers	15/12/2009

TERMS OF REFERENCE OF THE VARIOUS TOPICS

SYMPOSIUM:

Climate change and energy issues - what threats to the water and sanitation sector

For several decades now, there have been significant changes in climate factors such as temperatures, rainfalls and plant cover. There has also been significant deterioration of fresh water resources, with the decrease in the level of lakes, underground water tables and the flow of rivers on the one hand, and their pollution and saturation of the sanitation systems on the other hand. There is also the thawing of glaciers, frequent floods, bush fires and movement of the populations.

All these variations have had negative effects on the management of water resources, including the cost of installing and operating water and sanitation infrastructure. The Symposium will seek to address these issues as well as:

- Linkages between climate change, energy and water and sanitation
- Coping with the impacts of climate variability and climate change in water management
- Climate change adaptation strategies for water utilities in Africa
- Energy management in the water utilities sector

TECHNICAL SESSIONS

THEME 1:

PARTNERSHIP AND CONTRACTUALIZATION FOR A BETTER WATER AND SANITATION SERVICE

BACKGROUND

Reaching the Millennium Development Goals as regards access to drinking water and sanitation remains a major challenge for the African countries despite the institutional reforms they have undertaken. These institutional reforms are undoubtedly necessary and they will contribute to improve the coverage and performances of the sector services.

To reach the targeted objectives of the reforms, important physical investments in modern and adequate water and sanitation infrastructure should be carried out to improve and reinforce the access rates to drinking water and sanitation.

Besides, the setting up of partnerships in the form of coaching taking into account some specific aspects of management and performance indicators to be improved should constitute one of the best means to reach the targeted objectives such as MDGs.

Considering the difficult global economic situation, dwindling public sector investments and the rapid changes the water and sanitation sector is undergoing in Africa, it has become necessary that the private sector gets more involved in the financing of water and sanitation infrastructures through partnership and contractualization between utilities.

The papers related to this theme will mainly deal with the following sub-themes:

1. Financing partnership and contractualization initiatives : sources and criteria, maximizing the impacts and benefits from existing sub-regional and regional networks ;
2. Supporting partnership of peers undertaken in Africa and its impacts, showing the supporting sub-programmes or projects implemented ;
3. Problem of partnership and contractualization in Africa: experiences, lessons, practical phases and alternatives.

Session 1-A :

Financing partnership and contractualization initiatives: sources and criteria, maximizing the impacts and benefits from existing sub-regional and regional networks.

Specific Objectives

- To present a critical assessment of experiences from the financing and public management of water and sanitation infrastructures;
- To identify the constraints likely to slow down fund raising or to restrain partnership ;
- To develop a strong partnership presenting the interest to promote the participation of the private sector in the financing of water and sanitation infrastructures, especially through the programmes of institutional reforms implemented or in progress in some countries ;
- To analyse the existing drinking water and sanitation services legal framework so as to identify possible obstacles and constraints to be addressed ;
- To propose some means of capacity building in negotiation.

Session 1-B :

Partnership for improving performance in water and sanitation services

Specific Objectives

- To identify and evaluate the various existing types of partnership, identifying the strengths and weaknesses of the various utilities capable of contributing to the partnership ;
- To analyse the legal and regulatory framework of the water and sanitation utilities and constraints that hinder the setting up of partnerships, and to propose solutions to overcome these obstacles ;
- To propose, according to the type of service, ways and means to harmonize the legal and regulatory institutional framework of the water and sanitation utilities ;
- To propose performance objectives that should ensure the success of the partnership;

- To share the acquired experiences and propose action plans for the implementation of partnership agreements.

Session 1-C :

Issues of partnership and contractualization in Africa: experiences, teachings, practical and alternative phases

Specific Objectives

- To define partnership and contractualization concepts ;
- To inventorize and evaluate the existing experiences as regards cooperation between the African water and sanitation utilities (North/South, South/south), insisting on the strengths, weaknesses and costs as well ;
- To define an explicit, flexible, balanced and consensual legal and regulatory framework on which the convention and cooperation actions will be based;
- To state the ways and means for the implementation of the cooperation convention and better sharing of the expected outcomes ;
- To define follow up, monitoring and evaluation mechanisms related to the efficient-implementation of the partnership and contractualization;
- To present alternatives for partnership and contractualisation for the African water and sanitation sector utilities.

THEME 2 :

THE MILLENNIUM DEVELOPMENT GOALS: HALF WAY ASSESSMENT AND PROSPECTS

BACKGROUND

The Millennium Development Goals (MDGs) require reducing by half the number of people without access to drinking water and sanitation by 2015. Half way to this, it is important to measure the efforts made in order to improve or redefine the intervention strategies to reach these objectives.

The midterm review of the MGDs in 2008s revealed that most developing countries, especially African countries failed to achieve the MGDs in water and sanitation, And this can be explained, amongst other reasons, by the insufficiencies in capacity building and good governance in the water and sanitation sector. 2015 is fast approaching and the need to act swiftly and in the right direction cannot be over emphasized. It is therefore necessary to take stock of the situation with the view to identifying our prospects for the successful improvement of what has been already achieved.

- to balance between water and sanitation,
- to take into consideration a cross-sectional African experience in water and sanitation
- to highlight on new approaches in financing for poor areas as regards water and sanitation .

- to present a case study from another region other than Africa

Contributors are invited to present papers relating to the following topic areas:

- Initiatives or innovations to accelerate progress towards achieving the MDGs in the water and sanitation sector, including increasing efficiency in existing infrastructures, institutional reforms, fund raising, new operating technologies, social marketing, and investment planning;
- Experience in financing the water and sanitation sector: approaches, difficulties, challenges, successful factors and lessons learned; and
- Capacity building and governance
- Faecal sludge management - a bridge towards achieving the MDGs

Session 2-A :

Initiatives or innovations to accelerate achievement of the MDGs in the water and sanitation sector

Specific Objectives

This session will be based on case studies in Africa dealing with efficient initiatives and innovations that have led to remarkable progress towards reaching the MDGs. These initiatives and innovations will mainly deal with:

- The optimization of existing infrastructures,
- The institutional reforms
- The fund raising
- The new operating technologies
- The profitability of investments
- Social marketing
- Investment plan for the renewal of equipments and technical follow up

Session 2-B :

Focusing on investment financing in water and sanitation for the poor, approaches, difficulties, challenges, successful factors and lessons learned

Specific Objectives

The session should highlight

- Present experiences in financing the water and sanitation sector by non-conventional methods based on local expertise and know-how and also on new approaches.
- Be explicit and with success stories in Africa as regards investment financing and sourcing in the water and sanitation sector with reference to micro-financing from appropriate funding sources.

Session 2-C :

Capacity building and good governance of the water and sanitation infrastructures

Specific Objectives

- The session should make an assessment on the various provisions established in African states to monitor and reach the MDGs (evaluation of the MDGs)
 - . Existence of the National Bodies - Supervision and Coordination departments
 - . Presentation of the MDGs targets
 - . Existence of a road map and implementation
 - . Capacity building assessment on actions to reach the MDGs

- The Session should also put emphasis on the gaps between the objectives and the achievement as regard capacity building and good governance of the water and sanitation infrastructures.
- Analyse the benefits and insufficiencies
- Point out the perspectives to reach the MDGs in 2015.

Session 2-D :**Faecal sludge management - A bridge towards achieving the MDGs****Background**

The WHO-UNICEF Joint Monitoring Programme online database shows that in Developing Countries, both in rural and urban areas, a total of 2.8 billion people use on-site sanitation infrastructure. Of that population, at least 40% of urban dwellers (i.e. more than 1.1 billion people) currently use on-site sanitation installations, which are unsustainably operated and maintained in most of the cases. Most cities in these countries, which can be categorised as “latrine-based cities”, rely on such infrastructure for excreta disposal. Ongoing latrine provision programmes, aiming at achieving the MDGs sanitation target, still lack, service provision arrangement for the collection/emptying, haulage, safe disposal, reuse or treatment of faecal sludge produced by onsite sanitation infrastructures. This is considered as issues of immediate attention, as the sanitation coverage is increasing, especially in urban areas with high population density.

Objectives

The overall objective of this session is to present and discuss recent scientific breakthroughs on scalable and sustainable approaches for mechanized pit emptying, collection, transfer and safe disposal of faecal sludge in developing countries.

THEME 3 :**THE NEW TECHNOLOGIES OF INFORMATION AND COMMUNICATION (NTIC) IN THE MANAGEMENT OF WATER AND SANITATION****Background**

Apart from its general effect on water resources, the pollution impact and other attendant sanitation challenges, climate change affects directly the cost of energy production. Indeed the overall impact of climate change on WSS services delivery is reasonably significant.

Facing these challenges would require more innovation and the application of appropriate technologies by WSS utilities in the developing countries. In doing this, the role of research, networking, knowledge management, Information Technology and Communication, cannot be overemphasized.

This theme focuses specifically on the -effective or potential-contribution of research, learning, collaboration and knowledge management in dealing with some of these emerging challenges associated with the climate change phenomenon. The theme hopes to highlight contributions suggesting new avenues of ICT deployment to embed research, learning, collaboration and knowledge management in ongoing activities for a better performing and more integrated water sector.

Contributors are invited to present papers relating to the following topic areas:

- Progress of the NTIC in the water and sanitation sector;
- The use of NTIC in the commercial, technical, human resources management of water and sanitation utilities;
- The NTIC applied to the management of the water resources;
- Role of the NTIC as supporting instrument in decision-making and good governance in the water and sanitation sector;
- Integrating basic research, appropriate technology and knowledge management in the water and sanitation sector; and
- Modern methods and tools for knowledge management; and
- Transfer of applied research to the water and sanitation utilities

Session 3-A :**Science, research, technologies, etc.****Specific Objectives**

- Elaboration of strategies permitting the optimization the development of human resources
- How is the NTIC integrated in the training of actors from the water and sanitation sector
- Statement of progress of the NTIC in the water and sanitation sector
- Conception of research programmes
- How to succeed in the integration of the NTIC in the water and sanitation utilities
- Role of the NTIC as supporting instrument to the decision for the water and sanitation good governance.

Session 3-B :

Integrating basic researches, appropriate techniques and knowledge in the water and sanitation sector.

Specific Objectives

- To make an assessment on the modern methods and tools for knowledge management
- To transfer the applied research to the water and sanitation utilities (professional world)
- To set up (management) mechanism to define managers expectations and needs
- Contribution of the NTIC in the water and sanitation utilities (assessment)
- The NTIC related to the commercial, technical, human resources management of the water and sanitation utilities.
- The NTIC applied to the management of the water resources.

Session 3-C:

Mobilization facing climate change in the developing countries

Specific Objectives

- How to use the NTIC in the exchanges and communications, in the creation of the network actors
- Innovations for the reduction of climate change effects (carbon assessment and energy assessment).

**15th Congress of Afwa
Kampala 2010 - UGANDA**

**REGISTRATION FORM FOR THE
PRESENTATION OF A PAPER**

Please return by fax or e-mail to the General Secretariat of the AFRICAN WATER ASSOCIATION in Abidjan no later than **APRIL 15, 2009**

LAST NAME.....

FIRST NAME.....

COMPANY.....

POSITION.....

ADDRESS.....

TELEPHONE.....

FAX.....

EMAIL.....

I wish to make a presentation during the Technical Session of the 15th AfWA CONGRESS in KAMPALA, (Republic of Uganda), in March 2010

My paper will be on theme n°

The Title of my paper is:

Signature:

**DEADLINE FOR THE RECEPTION OF THE ABSTRACTS IS
20 July 2009**

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