The Conference will take place under the auspices of the African Union, contributing to the implementation of the PIDA initiative, and with the patronage of H.E. Alemaheyu Tegenu, Minister of Water & Energy of Ethiopia.

Africa, with some of the world’s largest waterways, is the continent with the greatest potential for future water resources and hydropower development, and the most urgent need for accelerated development. Unlocking the vast potential of the region is the key to poverty alleviation and rapid socio-economic development. Constructive dialogue among international experts can help turn policies into practice.

The PIDA programme of the African Union, to be discussed in our programme, is currently strongly supporting large-scale hydropower development across the African region. AFRICA 2013 is considered an ideal opportunity to further international dialogue on this initiative.

Co-organizers: Hydropower & Dams, International Commission on Large Dams and the Ethiopian Electric Power Corporation

Supporting Organizations include:

AFRICA 2013

Conference working languages: English and French
Interpretation will be provided during the Conference Sessions

African Union Congress Centre
Addis Ababa, Ethiopia ~ 16 to 18 April 2013

The Conference will take place under the auspices of the African Union, contributing to the implementation of the PIDA initiative, and with the patronage of H.E. Alemaheyu Tegenu, Minister of Water & Energy of Ethiopia.
ETHIOPIA WELCOMES AFRICA 2013

Ethiopia is the ideal venue for AFRICA 2013. The Government has made water resources development a major priority, and the country has a vast hydropower potential, the second largest in Africa, of which only about 4 per cent has been developed.

Known as the ‘powerhouse of Africa’ Ethiopia has one of the world’s fastest growing economies. There are 11 large dams in operation. Three major hydro schemes have been completed in recent years (Tekeze, Gibe II and Beles) and three others are currently under construction, with a total capacity of 7380 MW: Genale Dawa III (258 MW), Gibe III (1670 MW), and Grand Renaissance (5250 MW).

After three days of discussion at the conference, delegates will have the opportunity to visit the Gibe-Omo cascade in the south of the country, with the opportunity to view the spectacular landscape of the interior of the country – full of contrasts, with majestic waterfalls, volcanoes and hot springs. Bole International Airport, 6 km south of Addis Ababa is easily accessible by air from all parts of the world, with many direct flights from Europe, North America, Africa and the Middle East.

ADDIS ABABA

Addis Ababa has the status of both a city and a state. It hosts the African Union, headquarters of the United Nations Economic Commission for Africa (UNECA), Addis Ababa University, and other national, continental and international organizations. Addis is therefore often referred to as the political capital of Africa, because of its historical, diplomatic and political significance for the continent. The city is populated by people from different regions of Ethiopia; the country has as many as 80 nationalities speaking 80 languages and belonging to a wide variety of religious communities.

The prestigious new African Union headquarters, including the congress centre where AFRICA 2013 will take place, opened in January 2012. It has become a major landmark for the city.

The city of Addis Ababa offers a number of world class hotels, including the Sheraton, Radisson Blu, Intercontinental, Hilton and others.

AFRICA 2013 MISSION

Aqua~Media International, a company with long-term experience of organizing international conferences in Europe and Asia, is pleased to be launching this new event, and to be bringing experts from the international water resources community to Addis Ababa. Working in partnership with the International Commission on Large Dams and the Ethiopian Electric Power Corporation (EEPCo), as well as an International Steering Committee, Aqua~Media is putting together a programme designed to focus on issues of special relevance to the African region. Experts from all parts of the world will bring their knowledge and experience to the sessions, panel discussions and inter-active workshops.

A major Technical Exhibition will showcase innovative technology.

There will be a focus on four major river basins of Africa (Nile, Congo, Niger and Zambezi) to review experience of integrated river basin development. Some important recent or current projects will be discussed, such as Grand Renaissance RCC dam (Ethiopia), Grand Inga (DRC), Merowe (Sudan), Bujagali (Uganda), Ruzizi III (DRC/Rwanda/Burundi), and Mphanda Nkuwa (Mozambique).

Photo below: The African Union Congress Centre, where AFRICA 2013 will take place.

AFRICA 2013 Meeting Room/Venue Sponsor

salini
Pre-Conference side events (see previous page):
- One-day Training Seminar on small hydro, organized by ESAH, with input from the International Energy Agency Monday 15 April (11.00 – 17.30 hrs)
- Half-day Training Seminar on dam safety (14.00 – 16.30 hrs)
- Meeting of IDLO’s Africa Regional Club Monday 15 April (17.00 – 19.00 hrs)

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Tuesday 16 April 2013

Opening Plenary Session Part 1
Welcome Messages from AFRICA 2013 Co-Hosts:
Alison Bartle, Aqua-Media International Ltd
Adama Njomba, President, International Commission on Large Dams
Miheret Debebe, CEO, EEPCo
A. Baba Moussa, Director of Infrastructure and Energy, AU Commission

H.E. Dr Elhaim M.A. Ibrahim, Commissioner for Infrastructure & Energy, AU Commission

Opening Addresses:
H.E. Alemayehu Tegenu, Minister of Water & Energy, Ethiopia
H.E. Hailu Mariam Desalegne, Prime Minister of Ethiopia (to be confirmed)

Opening Plenary Session Part 2
Chairman: Michel de Vivo, Secretary-General, ICOLD
- Introducing the international joint declaration for hydropower and water resources development in Africa - Michel de Vivo, Secretary-General, ICOLD
- New initiatives and the way forward - Ben Baga, President, World Water Council
- Water resources development in Africa - Stephen M.K. Donkor, Senior Regional Adviser FSSQD, UNECA
- Irrigation and food security challenges in Africa - A. Sangare, Vice President of ICID
- The challenges of climate change for Africa - Dr Sebihi Bekele, Senior Water Resources and Climate Specialist, African Climate Policy Centre, UNECA
- Hydropower roadmap to 2025 - Niels Nielsen, Executive-Secretary, IEA
- The World Bank perspective for hydropower development in Africa - Alessandro Palmieri, Lead Dams Specialist, World Bank

KEYNOTE: Overview of the PIDA Initiative - Dr Jacques Moulo, Chief Energy Specialist, African Development Bank

Session 1 – East Africa: Potential, developments and plans
Co-Chairmen: Alessandro Palmieri, Lead Dams Specialist, The World Bank and Dr Callist Tindimugayo, Directorate of Water Resources Management, Uganda

KEYNOTE: Energy access and security in Eastern Africa - Y. Hailu, UN/ECA, Rwanda
- Nile waters availability could increase by 30 per cent - F. Lemperière, Hydro Coop, France
- Water resources and hydropower development in Uganda: experience and challenges - Dr C. Tindimugayo, Directorate of Water Resources Management, Uganda
- The 1870 MW Gibe III HPP - procurement method and status of the design and construction; the point of view of EEPCO and its representative - A. Anokwe, EEPCO, Ethiopia; J. Brquet, A. Alami and E. Mine, Technoconsult, Engineering, France; R. Ravetto, ELC-Consult, Italy
- Characterisation of Blue-Nile (Abbay) conveyance at Ethiopian/Sudanese border - G. Pietrani and V. Milesi, Studio Pietrangeli Srl, Italy; G.M. Bethami, University of L’Aquila, Italy
- Use of water resources model basin planning in the Nile Equatorial Lakes region - J. Verdunck, BRI Ingénierie, Kenya; E. Odet, Nile Basin Initiative, Rwanda
- Pilot applications of the Nile basin decision support system - V. Jankev, Aurecon, South Africa; A. Seil - Water Resources Planning Management Project, Ethiopia
- Regional Rumurusi Falls hydropower project: Capturing the trade -offs between land and electricity - J. Forget and T. Tung, SNL-Cai, Canada; A. Sanduma, Nile Basin Initiative-NELSAP
- Technical data for a possible Jingolei Canal - C. Beuzevie, Ingerop Group, France; X. de Savignac, Hydro Coop, France

Session 2 – Project finance and contractual aspects
Chairman: Dr Jacques Moulot, Chief Energy Expert, African Development Bank
- The 6000 MW Grand Ethiopian Renaissance dam and HPP - procurement method and status of the design and construction, the point of view of EEPCO and its representative - S. Bekele, EEPCO, Ethiopia; F.L. Ceretti, J. Bouquet and S. Camillotti, Technoconsult Engineering, France; F. Del Brenna, ELC-Consult, Italy
- Dam construction contracts under FIDIC conditions: risk allocation between the parties - S. Giraud, FIDIC Expert, DAB and Egs Eau, France, and F. Gallion, Piment Masion SLP, UK
- Bumbuna HEP Phase II - Public private partnership to extend the hydropower generation in Sierra Leone - J. Modenger, Laiminger International GmbH, Germany; A. Jallot, Ministry of Energy and Water Resources, Sierra Leone; A. Gavaghan, Juthe, UK
- The Agence Française de Développement Energy Strategy for 2012-2016 - D. Richard, Chief of Energy Projects, AFD, France
- Sharing the experiences of the World Bank in financing projects throughout Africa - L. Scarf, Sector Leader, Ethiopia and the Sudans, World Bank

Session 3 – Hydropower machinery 1
Chairman: Prof Hermod Brekke, Consultant, Norway
KEYNOTE: Recent and future developments in M and E equipment for hydropower plants - J.H. Gummer, Hydro-Consult, Australia
- Sustainable, competitive and clean: Hydropower’s contribution to Africa’s energy mix - C. Mayer, Andritz Austria, Austria
- Status and development trends in hydraulic machinery - Wang Zhaoning, Hydraulic Specialist; Wang Yalin, Hydraulic Specialist; Dongfang Electrical Machinery, China; Guo Pingcheng, Associate Professor of Hydraulic Turbo Machinery Engineering and Luo Xingyi Xi’an, Professor, University of Technology
- The development of cross-flow turbines for rural electrification - F. Mazzouji, F. Lepineau, and F. Brouard, Alstom Hydra, France
- Efficient and robust energy supply solution using a saxa turbine - J. Gae, Zein-En ddo, Slovenia; D. Dolenc, A. Bregant and S. Cizek, Utropravna Doo, Slovenia
- Role of pumped storage in the field of renewable energy - L. Motyčiák, A. Skoták, J. Ševčik, ČKD Blansko Engineering, Czech Republic
- Discussion on the above presentations, and on the topics of innovation in hydropower machinery; and, special challenges in supplying for Africa’s new major hydro schemes

Session 4 – Hydropower machinery 2
Chairman: John Gummer, Hydro-Consult Pty Ltd, Australia
KEYNOTE: Optimizing the design and operation of hydraulic turbines - Prof.H. Brekke, Consultant and Emeritus Professor, NTNU, Norway
- Inseti-Techi powerplant: a hydraulic design case study - F. Mazzouji, F. Lepineau, and F. Brouard, Alstom Hydra, France
- Successful rehabilitation and upgrade of the Aswan high dam hydropower plant machinery - D. Schwarz, Voith Hydra GmbH & Co Kg, Germany
- The Ruacana refurbishment - M. Collins, S. Weisensoberger and M. Oswalid, Andritz Austria, Austria
- Condition assessment of hydroelectric powerplant air-cooled generators - E. Warren and C. Rieche, Iris Power, Canada
- Design of hydro generator of Gibe III power station - Deng Bin, Bai Yumiao and Liu Jianjun, Dongfang Electrical Machinery, China
- Discussion on the above, and on manufacturing quality assurance and quality control

Session 5 – Roundtable on project finance
Chairman: Dr Sam Cho, UN/CEA
- Participating organizations will include: the World Bank, African Development Bank, the EU-Africa Partnership, UN/ECA, Infrastructure Consortium for Africa (ICA), IFC, Agence Francaise de Développement, and African regional development banks

Wednesday 17 April 2013

Session 6 – Central Africa: Potential, developments and plans
Co-Chairmen: Prof. Laurent Kitoko, Director of International Relations, SNEL, DRC and Philippe Niyongabo, Head of Energy Division, Africa Union

Discussions to be led by experts from SNEL, EDF and AECOM
- Long-term solution for the power intake channel sedimentation at Inga I and 2 - S. Alam, Consultant, France
- Development of scenarios for major water infrastructure in the Congo Basin - R.I. Tondo, CICOS, DRC
- Ongoing strategic plan for hydropower development in the Congo Basin - J. Kenfack, University of Yaounde 1, Cameroon; B.I. Tondo, CICOS, DRC, A.G.H. Lepage, University of Légo, Belgium
- Developing the potential of Inga
- Phased development approach of Inga site through adaptable and attractive steps - S. St-Pierre, AECOM, Canada
- Challenges in project structuring: how to develop the first step of Inga with a low head - P. Larbey, EDF; (Co-author to be confirmed)
- Challenges of funding Grand Inga - African Development Bank (speaker to be confirmed)
- Implementing the Grand Inga Mega project: how can DRC interest internal and regional partners and resources through the Grand Inga Development and Promotion Agency - Prof. L. Kitoko, Government of DRC
- Connecting the Grand Inga Project to South Africa, the Eastern corridor - R. Veilleux AECOM, Canada

Session 7 – Capacity building
Co-Chairman: Prof Gerrit Basson, University of Stellenbosch, South Africa and F.A. Sonuga, Enplan Group, Nigeria
- Capacity building in dam and hydropower engineering - A. Nisa, President, International Commission on Large Dams
- Capacity building in Africa - M. Hassan, ICA - AIDB
Session 8 — Dam engineering: Safety
Co-Chairmen: Dr. E. Cifres, eWater Consultant SL, Spain and Dr. W. Flögl, FIZE Ingenieurbüro Dr Flögl GmbH, Austria

- KEYNOTE: Which dams for Africa? — F. Lempérière, Hydro Coop, France
- Cross border projects as a solution to hydro security development — D. Lebeau, D. Magnan and P. Richet, EDF, France
- Decision support system for hydropower schemes in Africa: the role of hydrology in planning management and conflict resolution among water users — T. Haiegeorgis, R. Afifeden and A. Källgren, TVT, NTNU, Norway
- Simulating and optimising the operation of integrated water resource and electricity supply systems in Africa — D. Mulatu, EPCO, Ethiopia; C. Maysanj, PANESC, Tanzania; A. Pearce, PB Power, UK; T. Wyatt, PWS, UK

Session 9 — Planning
Co-chairmen: Dr. E. Cifres, eWater Consultant SL, Spain and Dr. W. Flögl, FIZE Ingenieurbüro Dr Flögl GmbH, Austria

- Managing the impact of alluvial aggregate reaction (AAR) at Kariba dam — K. Gurushamba, Zambezi River Authority, Zimbabwe.
- Incorporating dam safety in dam developments — S. McInerney, R. Knott, and P. Amos, Damwatch Services Ltd, New Zealand; F. Medekudzin, Yerer Engineering, Ethiopia.
- Leakage investigation and underwater remedial structures for concrete systems of dams — A. Scuero, G. Vacchetti and M. Bacchelli, Carpi Tech, Switzerland.
- The Lesotho Mohale dam leakage incident and repair — D.B. Badenhorst, BKS, South Africa; L. Matete, LHDA, Lesotho.
- ICDMS revised seismic design and performance criteria for large storage dams — Dr. M. Wieland, Pygmy Energy Ltd, Switzerland.
- Seismic tomography: a vital tool in the preliminary investigation stage of any hydropower plant. Examples of two large projects in Ethiopia: Gibe III and Grand Ethiopian Renaissance project — G. Censis, Geosrce Italia SAS, Italy; G. Pietramiglio, Srl, Italy.

Session 10 — West Africa: Potential, development and plans
Co-chairmen: Adama N’goumbi, President, ICOLD and Baba Moussa, Director of Infrastructure and Energy, AU

- KEYNOTE: Overview of dam and hydropower potential in Nigeria with reference to current major schemes — Dr G. B. Igal, Permanent Secretary, Federal Ministry of Power, Nigeria.
- Managing water resources in risk management: Financing and energy development in Africa — A.M.T. Conte, Electricité de Guinée, Guinea.
- Prioritizing large dam projects in the West African region — C. Bracht, International Office for Water, France; H. Leéve, A. Téngob and I. Ouendoga, ECONWAS, Burkina Faso.
- Hydraulic studies for the Taoussa project, Mali — S. Epicic, B.J. Dewals, J-M. Vuillot, P. Aranghese, and M. Patron, University of Liège, France.

Session 11 — Hydrology and flood discharge works
Workshop: Prof. Anton Schleiss, EPFL, Switzerland

- KEYNOTE: The variability of floods and hydro power yield in Africa — Dr P. J. Mason, MWH Ltd, UK.
- Adaptation of the design of Salsaf dam at the beginning of construction to improve hydraulic safety — T. Guillermin and M. Limi, IFS Ingénierie, France; N. Benhamoud, Cosider Group, Algeria.
- Dam freeboard guidelines: proposed combinations of freeboard components as used in South Africa — G.R. Basson, Vice President, ICOLD, and University of Stellenbosch, South Africa.
- The development and application of an operational decision support system for computer assisted river operations — C. Shutter, E.R. Sørensen and L.C. Ekebjerg, DHI, Denmark.
- Improving the economic yield of hydropower and water supply dams — W.O. Håkans, Hydrolplus, Australia; Q. Shaw, ARQ, South Africa; J. Njeru, Kenya Electricity Generating Company Ltd.
- Roundtable discussion on the above and broader topics.

Session 12 — Dam design
Co-Chairman: Dr Andy Hughes, Atkins Ltd, UK; Dr Ahmed Chraibi, Consultant, Morocco

- KEYNOTE: Precedent for the rapid construction of large RCC dams — Dr M.R.H. Dunstan, Malcolm Dunstan and Associates, UK
- The construction of successful RCC dams in Ethiopia — O.J. Bertelsen, Independent Dam Engineer, UK; Dr M.R.H. Dunstan, Malcolm Dunstan and Associates, UK.
- Gibe III dam: project summary including mixes, properties, thermal issues and cause — C. Rossins, Studio Ing. Pietrangeli Srl, Italy; E. Schöder, Independent Consultant, USA.
- Prevention of AAR in new dams in Africa — Dr. R. Charlwood, Robin Charlwood & Associates, USA; J. Sims, RS Applied Group, UK.
- The application of a GB stopwater structure in Murowe CRD in Sudan — Xu Zeping and Du Zhengkun, China Institute of Water Resources and Hydropower Research, China.
- Angostura CRD design and testing of an external geomembrane stopwater to withstand high differential deformations — A. Rosén, Colobon, Chile; A. Scuero, G. Vacchetti and J. Machado do Vale, Carpi Tech, Switzerland.
- Waterproofing of high dams based on flexible polymer systems — P. Servinelli, SC Sembemelli Consulting Srl, Italy and G. Vacchetti, Carpi Tech, Switzerland.

Session 13 — Design and applications of PK Weirs
Chairman: F. Lempérière, Hydro Coop, France

- PK Weirs could be used for most African spillways — F. Lempérière, Hydro Coop, France.
- Considerations about the optimum design of PK. Weirs — S. Epicic, B.J. Dewals, R. Aranghese and M. Patron, University of Liège, Belgium; O. Machete, Arcadia Belgium SA, Belgium.
- PK. Weir technology — D. Magnan, EDF-CH, France.
- Comparison of hydraulic design equations for A-type PK. Weirs — M. Pfister and A.J. Schleiss, Laboratory of Hydraulic Constructions, EPFL, Switzerland.

Thursday 18 April 2013

Session 14 — Southern Africa: Potential, development and plans
Chairman: Dr Peter Mason, MWH Global, UK

- Adapted reservoir management in the Zambezi river basin to meet environmental needs — A. Schleiss, T. Cohen Liechti and J.P. Matos, EDF, Switzerland; J. Mertens and B. Wehrli, ETH Zürich, Switzerland; A. Tilmant, Université Laval, Canada.
- Sustainable development plan for the Mphanda Nkuwa hydropower project, Mozambique — M. Dray, Hidroelectrica de Mphanda Nkuwa, Mozambique; J.T. Pires, Construcciones e Comercio General Comercio SA, Brazil.
- A method to forecast Cahora Bassa reservoir inflow — G.J. Jessen, Hidroelectrica de Cahora Bassa, Mozambique.
- Overview and current status of the Ingula pumped-storage scheme, South Africa — C. Logan, and A. Wilson, Gibb (Pty) Ltd, South Africa.

Session 15 — Small hydropower development
Chairman: Niels Nielsen, International Energy Agency

- KEYNOTE: Small hydrop for rural development — M. Gaspodinovski, President, ESHEL.
- Steffl turbine — a micro hydroturbine based on conveyor belt technology — J. Baselt and A. Malcherek, University of the German Armed Forces Munich, Germany, and C. Moerk, Walter Reist Holland, Switzerland.
Session 16 – Climate change: Implications for water infrastructure

Chairman: Dr Seleshi Bekele, Senior Water Resources and Climate Specialist, African Climate Policy Centre, UNECA

KEYNOTE: Impact of climate variability and change on the water resources of Africa – Dr Seleshi Bekele, APC-UlYNECA

KEYNOTE: The role of hydropower in climate change mitigation and adaptation – Prof. L. Benga, Hon. President, ICOLD, and IFC, Spain

Assessment of climate change impacts on cascade reservoir operations – a case study on the Gibe hydropower schemes, Ethiopia – T. Kassaw and A. Alemu, Arbo University, Ethiopia


Assessment of the potential impact of climate change on the long-term yield of the Megeni river system, South Africa – G. de Iger, BES (Pty) Ltd, M. Summerton, Umgeni Water, South Africa

Predicting surface water resources and uncertainties in a climate change context: Application to a semi-arid basin in Morocco – M. Fuamba and F. Houssa; Canada and S. Rhouzlane Hassania School of Public Works, Morocco

Analyzing the combined impact of climate and land use changes on sediment yield and stream flow in the Upper Gielg Abbey catchment, Ethiopia – R. Mekonnen and G.B. Tesfahunegn, Aksum University, Ethiopia; K. Tadele, Arathamich University, Ethiopia

Climate changes influence on sustainable management of Ruzzi river – C. Kaytemore, EGI, Rwanda

Session 17 – Management of reservoir sedimentation

Chairman: Sultan Alam, Consultant, France

KEYNOTE: Sediment data collection over a long-term period: essential for better sediment management at hydro projects – S. Alam, Consultant, France

The simulation of the sedimentation process in the Merowe reservoir in the Sudan – C. Grass, Lahnmeyer International, Germany; E.A. Saghayroon, Dams Implementation Unit, Sudan

Reservoir sedimentation and its mitigation strategies: a case study of the Ethiopian highlands – N. Haregeweyn, A. Tsunekawa, M. Tsubo and D. Meshesha, Tottori University, Japan; J. Posen, Lahmeyer International, Germany

Computational fluid dynamic (CFD) modelling in 3D of local sediment flushing scour at hydropower intakes and dam bottom outlets – D. Sawadogo and G.R. Bassan, University of Stellenbosch, South Africa

Venting of turbidity currents for minimizing reservoir sedimentation – J. Schneider and G. Zenz, Graz University of Technology, Austria

Session 18 – Environment

Chairman: J-P. Chabal, Tractebel Engineering, France and Chairman of ICOLD’s Committee on Environment


The Mppanga hydropower project, Uganda – producing power and preserving protecting plants – A. Nobile and J. Roe, Parsons Brinckerhoff, Singapore; D.J. Zheng, South Asia Energy Management Systems, USA

Lom Pangar dam project, Cameroon: Fruitful collaboration between the consultants in charge of the dam design, construction monitoring and preparation of environmental and social action plans – C. Daux, Tractebel Engineering, France; M. Lina, French Committee for Dams and Reservoirs, France; J-P. Grandjean, Géraldez Brèche, France; G. Gut, EDC, The Philippines

Evaporation from reservoirs and hydropower water footprint – T. Demelte, M. Marenco and A. Mynet, UNESCO-IHE, The Netherlands


Session 19 – Multipurpose water storage projects

Chairman: Dr Stephen M.K. Donker, Senior Regional Adviser IFSDD, UNECA

KEYNOTE: Implementing the African Water Vision 2025 for food security in the context of climate change – Dr S.M.K. Donker, Senior Regional Adviser IFSDD, UNECA, Ethiopia

Irrigation and food security – A. Sangare, Vice President of ICD

Design considerations for the Kasihambilu multipurpose dam – B.J. Rocheolle Collet, and D.J. van Wyk, Aurecon South Africa Pty Ltd; E.A. Adams, Federal Ministry of Water Resources, Nigeria

Cost benefit analysis of a hydropower dam – F. Hamade, BRL Ingénieurs, France

Staged construction of Tekeze arch dam – R. Watt, and J.R. Stevenson, MWH International Inc., USA

Large-scale water storage in the water, energy and food nexus: perspectives on benefits, risks and best practice – J. Grant, A. Lindström and J. Weinberg, SIWI, Sweden

Multipurpose dam projects in Libya – O.K. Miyhered, General Water Authority, Libya

Session 20 – Operation, maintenance and refurbishment

Chairman: F. Coelho da Rocha e Silva, Consultant, Portugal

Dam surveillance and monitoring – A.F. Chabi, Independent Dam Consultant, Morocco

Monitoring Cahora Bassa dam – I.M. Tembe and F.E. Carvalho, Cahora Bassa Hydroelectricity, Mozambique

Implementation of dams – monitoring and surveillance activities by the SEEG Company, Gabon – G. Okango and G. Moi, Sociét de l’Environnement et d’Eau du Gabon (SEEG); E. Pons, and G. Geoffroy EDF DTG, France

The performance of the Merowe hydropower station (1250 MW) in Sudan during the past five years of operation – E. Faider, Lahnmeyer International GmbH, Germany; M. Mutua and A. El Tokey, Dams Implementation Unit (DUI), Sudan

The behaviour of embankments of the Merowe dam in the Sudan after five years of operation – Y. Schel, Lahnmeyer International GmbH, Germany; H. Amin, Dams Implementation Unit (DUI), Sudan; H. Rosenkranz, Hydroprojekt Ingenieurgesellschaft mbH, Germany

Rehabilitation works at La Ferme dam in Mauritius – L. Spasic-Gril, Arup, UK; D. Deepchand and C.R. Head, UK

Upgrading of Ajwaia service and emergency spillways – M. Scaarella and P.G. Sembenelli, SC Sembemelli, Italy

Experience, suggestions and challenges at upgrading and refurbishment of hydropower plants – L. Štěpán, K. Kula, J. Števcl, OX Blansko Engineering

Closing Plenary Session

Chairmen’s synthesis of sessions and conclusion of key outcomes.

Closing statements from ICOLD, IEA, UNECA, AUC and others.

Joint Declaration as a contribution to the PIDA initiative.
PRE-CONFERENCE SIDE EVENTS

One-day Training Seminar on small hydro, organized by ESHA, with input from the International Energy Agency Monday 15 April (11.00 – 17.30 hrs)
The seminar has been organized by Prof Bernhard Pelikan, Vice-President of ESHA, with ESHA President Marko Gospodjinac and ESHA Board Members. There will also be input from the IEA. The IEA input is being coordinated by IEA Secretary Niels Nielsen.

After a welcome and introduction, some introductory talks (regarded as ‘trigger speeches’ to stimulate dialogue) will focus on the following topics:
- Hydrology - measurement, statistics and interpretation
- Engineering process (feasibility study, concept, details)
- Design of small low head and high head plants, using local resources
- Water storage on a small scale, and the construction of simple dams
- Automation and powerplant management aspects
- Legal framework (water rights, concessions, and so on)
- Finance and economic aspects

After lunch, participants will break into two groups with discussion leaders. Participants will reconvene for a joint closing session, with concluding remarks and findings.

Half-day Training Seminar on dam safety (14.00 - 16.30 hrs)
This seminar, to be led by Dr Robin Charlwood and Dr Paul Roberts, will have input from leading dam safety experts from ICOLD and the World Bank. Topics will include:
- International dam safety practice (planning, construction, operation of dams, legal and institutional framework) and applicability to developing countries of Africa
- Options for dam safety frameworks to ensure that safe and efficient dam design, construction, operation and maintenance practices are implemented, so that downstream property and the environment are protected
- Options for addressing shared river dam safety issues
- Dam safety guidelines (PFMA and risk-informed approaches)
- Capacity building options for dam safety programmes (planning and implementation)

Meeting of ICOLD’s Africa Regional Club Monday 15 April (17.00 – 19.00 hrs)
This regional event is open to interested delegates and will be held in the AU building following on from a closed meeting of ICOLD board members earlier in the day. The ARC is one of a number of regional clubs of ICOLD, which provide a forum, at the time of the ICOLD meetings, for discussion on issues common to the member countries.

In the case of ARC, emphasis is placed on capacity building and training, and an exchange of experience about various aspects of current dam development and future plans.

All the above events will take place in the AU Congress Centre. Rooms will be indicated in the main foyer.

PRE-CONFERENCE EXCURSION

A half-day trip, including lunch, has also been arranged for Monday 15 April. This is intended to give all delegates arriving by 15 April, who will be busy during the days of the conference, an opportunity to have a taste of the host city, and to learn a little about the history and culture of Addis Ababa.

The tour will depart mid-morning, at 11.30am, from the African Union Congress Centre, so it will be possible to register for the conference before departing. A complete overview of the city will be possible from the first stop, which will be Mount Entoto. This was the former capital of the country. The area offers splendid panoramic views across the city, and there are also two churches which can be visited. The upper photo on the right shows one of the churches.

Lunch will be at the Top View restaurant (see lower photo on the right).

In the early afternoon, there will be a visit to the National Archaeological Museum. This is the most important museum in the country, housing the nation’s artistic treasures, as well as the most precious archaeological finds. The most famous exhibit is “Lucy”, the partial skeleton (in several hundred pieces) of a specimen of Australopithecus afarensis, estimated to be 3.2 million years old. It was discovered in 1974 at Hadar, in the Awash valley. Lucy is either directly ancestral to humans, or evolutionarily close to our ancestors, hence it is classified as a hominin.

The group will return to the Congress Centre around 16.30 hrs.
ACCOMPANYING PERSONS’ PROGRAMME

Cultural excursions have been planned for partners and family members of delegates attending AFRICA 2013. The Accompanying Persons’ programme is designed to familiarize participants with the touristic sites in and around Addis Ababa, and to provide an insight into the country’s history and culture. The programme of three excursions is offered as a package to those who register as Accompanying Persons. This also includes attendance of the evening social programme.

Tuesday 16 April
The first excursion will include a visit to the Institute of Ethiopian Studies, with a chance to learn about clothing, artefacts, history and languages of the different ethnic groups within the country. The Institute consists of a research centre, library and museum. The group will then be taken to the Giorgis Church, and then the Beta Maryam Mausoleum, the burial place of Emperor Menelik II. Lunch will be at the Makush Art Gallery, where there will be a chance to view the work of some of Ethiopia’s finest artists. It will also be possible to walk through the bustling Mercato, Africa’s largest open-air market.

Wednesday 17 April
After breakfast participants will travel by coach (with a journey time of about two hours) to Debre Libanos. This is an important monastic centre for Ethiopian Orthodox Christianity, founded in the 13th Century by Saint Tekle Haymanot. It is believed that he meditated in a cave there for 29 years. The monastery complex sits on a terrace between a cliff and the gorge of one of the tributaries of the Abbay river. There will be a picnic lunch in the countryside. This trip should provide an opportunity to catch sight of some Ethiopian wildlife, including baboons, and many species of birds, and a stop will be made to take a look at the spectacular Jemma River Gorge (the gorge is 1000 m deep).

Thursday 18 April
The final trip will be to Lake Wenchi, with its islands and surrounding verdant forests. Wenchi Mountain is the result of a massive extinct volcano containing hot springs, waterfalls and breathtaking valleys and scenery. The 560 ha, 78 m-deep lake is within the volcanic crater. There is an old monastery named Wenchi Kirkos on one of the islands in the lake, believed to have been established by King Zereya Yaecob in 15th century. The group will drive up the side of the crater, and those who would like to can walk down inside the crater. There will be a picnic lunch at the famous hot springs nearby.

SOCIAL PROGRAMME

Tuesday 16 April
The AFRICA 2013 Welcome Reception will take place on the Ballroom Terrace of the prestigious Hotel Sheraton, in the centre of Addis. The terrace looks out over the extensive tropical gardens and swimming pool of the hotel. The event will be co-sponsored and co-hosted by Andritz.

Thursday 18 April
The Conference Farewell Dinner will be hosted by EEPCo, and is planned to take place at the city’s famous Millennium Hall. The evening will include a cultural show, and a chance to savour some of the finest Ethiopian culinary specialities. This promises to be a spectacular evening, to give international participants a memorable finish to the conference.
After the conference, delegates will have the opportunity to join a four-day study tour visiting the Gibe II plant (in operation) and the Gibe III project (under construction), two major elements in the Omo River Cascade in the south of the country. This trip will also provide an excellent opportunity to learn more about the diverse culture of Ethiopia, and to travel through the stunning landscape of the Great Rift Valley.

**Day 1: Friday 19 April**

The group will depart early from Addis in landcruisers for a two-hour journey south to the Nagash Lodge, where breakfast will be served, and there will be an opportunity to see Colobus monkeys. The journey will then continue through the spectacular scenery southwest of Addis to the 420 MW Gibe II powerhouse, where delegates will have a guided tour before breaking for a packed lunch.

Gibe II was commissioned in 2010. The surface powerhouse has a small display of information and photos of the project taken at various stages of construction. There will be a technical briefing, followed by a view over the project from a vantage point close to one of the former project camps.

Dinner and the overnight stay will be in the small town of Hosanna.

**Day 2: Saturday 20 April**

The morning journey from Hosanna to Gibe III will take approximately three hours, with a refreshment stop en route. At Gibe III, participants will split into two groups, to tour the site of this 1870 MW scheme, which includes a 240 m-high RCC dam. After the technical visit, the group will depart for the lakeside village of Awassa, where the next two nights will be spent at the Haile Resort. From the balconies of the hotel, it will be possible to view wildlife, including hippos.

**Day 3: Sunday 21 April**

After a leisurely breakfast, there will be an option to visit a local fish market or the chance to take a boat trip to see hippos and other wildlife living close to the lake. There will also be an opportunity to bathe in the hot springs of Wendo Genet before dinner back at the Haile Resort.

**Day 4: Monday 22 April**

After breakfast the group will depart from the resort and head north back to Addis. En route, there will be a stop at the small town of Butajira for lunch, before continuing for another half hour to the Tiya stelae field, listed as a UNESCO World Heritage site. Tiya is considered to be the most important of about 160 archeological sites in the region. Of the 36 stelae at Tiya, 32 are sculpted with vaguely representational configurations (including sword designs), which are for the most part difficult to decipher. One depicts the outline of a human figure in low relief. These are the remains of an ancient Ethiopian culture, the age of which has not yet been precisely determined.

The last stop will be at Ajardi Mariam, the most southerly of Ethiopia’s ancient rock-hewn churches. From Ajardi Mariam the group will drive back to Addis, with arrival expected to be at about 18.00 hrs.
The elegant and prestigious new African Union Congress Centre provides a magnificent setting for the AFRICA 2013 Exhibition. This major Exhibition will take place alongside the AFRICA 2013 Conference. International consultants, developers, contractors and suppliers will showcase their expertise in the fields of water infrastructure, hydropower equipment, renewable energy systems, monitoring devices, software for project planning, powerplant components and many other topics. The leading professional associations in the field of water and energy will also display information about their initiatives and current activities.

Exhibition space is generally sold in units of 6 m² (with some areas reserved for larger pavilions). Each space reserved includes white panelling, a table, two chairs, spotlights, flooring and a company name sign. The price for each stand space (6 m²) is US$3200.

Lunch and refreshments will be served each day in the Exhibition Area, to ensure that international participants have plenty of time to visit the exhibitors. Various opportunities will also be available to sponsor or co-sponsor social activities, such as apéritifs, lunches, receptions and coffee breaks. This can be a pleasant and memorable way of bringing your organization to the attention of the international participants.

If your organization is actively involved in water resources or hydropower development in the African region, you should not miss this opportunity to be represented at this event, which will bring together high level delegations in a region of the world with the greatest potential for future development.
To receive further details of the exhibition and/or sponsorship opportunities, please contact: Mr Lukas Port, Miss Melanie Ganz or Mrs Maria Loredo
Tel: + 44 20 8773 7250/7251/7252 • Email: sales@hydropower-dams.com
International Conference and Exhibition on Water Storage and Hydropower Development for Africa

BOOKING CONDITIONS

The Conference Water Storage and Hydropower Development for Africa (AFRICA 2013) is being organized by The International Journal on Hydropower & Dams (Aqua-Media International Ltd) with event management by SureFire Events, UK.

On-line Registration
Registrations will be handled by SureFire Events. This is a secure server website. You may receive an acknowledgement of registration on completion of this process; however, this is not a confirmation.

Registration by post or fax
Complete the registration form and return it, with payment, to the Conference Secretariat. Please complete one registration form per delegate, including any accompanying persons. Please photocopy the form if you need further copies, or download a form from: www.hydropower-dams.com
The total fees for Conference registration, accompanying persons’ programme, accommodation deposit, cultural excursion and/or study tour (if applicable) should be calculated and totalled in the ‘Total US$’ column on the second page of the registration form.

Collection of badge and documents
This will begin at 09.00 hrs on Monday 15 April 2013, in the Foyer of the African Union Congress Centre.

Payment
Payment for all services (fees, hotel deposit, tours) must be made in US dollars ($) and received in advance of the Conference. Payment is possible by the following methods:
- On line by Visa or MasterCard
- By bank transfer to SureFire Events (see details on the registration form).
All fees paid by credit card will be charged in US$. 

Accommodation
The Conference organizers have secured rooms at a wide range of hotels in various price categories in Addis Ababa. Rooms will be offered on a first-come-first-served basis. You are advised to reserve your room well in advance, as availability cannot be guaranteed.

Please complete the accommodation section of the registration form, and return it to the Conference Secretariat (SureFire Events). Full payment will be required to secure your accommodation booking. All hotel room extra charges must be settled in full directly with the hotel prior to departure. SureFire Events will endeavour to meet all accommodation requests. However, should your preferred hotel be full, SureFire Events reserves the right to make your reservation at the nearest available alternative.

Disclaimer
All best endeavours will be made to present the programme as printed. The AFRICA 2013 organizers and their agents reserve the right to alter or cancel, without prior notice, any arrangements, timetable, plans or other items relating directly or indirectly to AFRICA 2013 for any cause beyond its reasonable control. The organizers and agents are not liable for any loss or inconvenience resulting from such alteration. The Conference and Tours are subject to minimum numbers. Tour places are subject to availability on a first-come-first-served basis. Full payment for tours must be received at the time of registration.

Cancellations
Cancellations must be made in writing to SureFire Events. Cancellation charges will be payable as shown in the Table below. Substitution of delegates after a reservation has been made is acceptable before the Conference, and no extra fee is payable. Any necessary refunds (see Table below) will be made after the Conference.

Liability/Insurance
The registration fees do not include the insurance of participants against personal accidents, sickness, cancellations by any party, theft, loss or damage to personal possessions. The organizers accept no responsibility for death, injury, loss or accident, delay arising from any act or default of any person, or any other matter arising in connection with Conference services or transport. The organizers make no warranty in this connection. All services provided are subject to local laws. Arrangements for the Conference have been made in accordance with UK Law.

Delegates, exhibitors and tour participants are strongly advised to take out adequate personal insurance to cover risks associated with travel, accommodation, cancellation and theft or damage to personal belongings.

The organizers reserve the right to amend any part of the Conference programme or arrangements if necessary. In the very unlikely event that it is necessary to cancel any of the Conference arrangements, an appropriate refund will be made and thereafter the liability of the organizers will cease.

Passport and Visa Requirements for Ethiopia
It is the responsibility of all participants to check their own passport and visa requirements. Please contact the Ethiopian Embassy or consulate in your country if in doubt about requirements.

Letters of invitation
If you require a letter of invitation from the organizers to facilitate your visa application, please let us know at the time of registering. A letter can be issued to assist with obtaining a visa, but this does not imply an invitation to the Conference without payment of registration fees, unless such arrangements have been made with the organizers. If you need a letter from the host country, as well as the organizers, please notify us as soon as possible. Please allow plenty of time for visa applications.

<table>
<thead>
<tr>
<th>Date cancellation received</th>
<th>On or before 28 February 2013</th>
<th>From 1 March 2013</th>
<th>On or after 31 March 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration (Conference/Exhibition)</td>
<td>10% of fee is forfeited</td>
<td>50% of fee is forfeited</td>
<td>No refund</td>
</tr>
<tr>
<td>Technical and cultural excursions</td>
<td>10% of fee is forfeited</td>
<td>No refund unless place can be resold</td>
<td>No refund</td>
</tr>
<tr>
<td>Accommodation</td>
<td>10% of fee is forfeited</td>
<td>50% of fee is forfeited</td>
<td>No refund</td>
</tr>
</tbody>
</table>

A reduced registration fee is available for current subscribers to Hydropower & Dams

CONTACT DETAILS

For enquiries concerning registration and accommodation, contact:
SureFire Events, Unit 8, Hinton Business Park, Tarrant Hinton, Blandford DT11 8JF, UK
Tel: +44 (0)1258 447 040 · Fax: +44 (0)700 349 7034 · Email: africa2013@surefire-events.com
NB: Registration forms and payment should be sent to SureFire Events, UK.
On-line registration via: www.hydropower-dams.com
For further details of the programme, please contact:
Mrs Margaret Bourke at:
Hydropower & Dams, PO Box 285, Wallington, Sutton, Surrey SM6 6AN, UK.
Tel: +44 (0)20 8773 7244 · Fax: +44 (0)20 8773 7255 · Email: africa2013@hydropower-dams.com
Website: www.hydropower-dams.com
Water Storage and Hydropower Development for Africa
African Union Congress Centre, Addis Ababa, Ethiopia ~ 16-18 April 2013

REGISTRATION FORM

This registration form is a self-billing order form, which should be sent to SureFire Events, UK, with payment for all items booked on the form. By completing this form you are agreeing to the Booking Conditions within this brochure. Fees are payable in US Dollars (USS). Each Conference/Exhibition participant should complete a separate form.

PLEASE COMPLETE THE FORM IN CAPITAL LETTERS, AND EMAIL A PORTRAIT PHOTO (JPEG FORMAT) TO BE USED ON A PHOTOBOARD AT THE CONFERENCE

**CONFERENCE AND EXHIBITION FEES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Up to 28 February 2013</th>
<th>From 1 March 2013</th>
<th>Total</th>
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<tbody>
<tr>
<td>FULL DELEGATE FEE: Includes attendance of the Conference and Exhibition; documentation and CD of papers; morning and afternoon refreshments; lunches during the Conference; social programme.</td>
<td>US$995</td>
<td>US$1100</td>
<td></td>
</tr>
<tr>
<td>DELEGATE FEE FOR H&amp;D SUBSCRIBERS Please state H&amp;D Subscriber no: .......................</td>
<td>US$900</td>
<td>US$1100</td>
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<tr>
<td>SPEAKER FEE: Includes all facilities described above for Full Delegates, plus an additional reception on Monday 15 April. NB: This fee applies to one person per paper (main author or presenter)</td>
<td>US$575</td>
<td></td>
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<tr>
<td>FIRST EXHIBITOR FEE: (One full participant fee is included with exhibition booking) Stand No: ...............</td>
<td>Free of charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECOND (+ THIRD) EXHIBITOR FEE: (Covers attendance of Conference sessions, CD of Conference papers, evening social programme and lunches) Stand No: ...............</td>
<td>US$750</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCOMPANYING PERSON FEE: (For family members or friends not attending the Conference) The fee includes activities/excursions on all three days, with lunch (see programme), and the evening social events. NB: Accompanying persons who do not register by completing this section are not eligible to attend lunches or social events. Name to appear on badge (incl. title-Mrs/Miss/Ms/Dr/Prof/etc): .......................</td>
<td>US$310</td>
<td></td>
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<tr>
<td>HALF DAY EXCURSION: (Mount Entoto, lunch at the Top View restaurant and visit to the Archaeological Museum). I wish to book .......... seats at US$ 70 per person</td>
<td>US$</td>
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</table>

**DIETARY REQUIREMENTS**

Participant: Vegetarian meals required ☐ Other dietary requirements / special needs ..................................................
Accompanying Person: Vegetarian meals required ☐ Other dietary requirements / special needs ..................................................

**OPTIONAL DONATION TO THE AMI HYDROPOWER FOUNDATION**

This is a charitable foundation, set up by Aqua-Media and governed by international trustees, which exists to facilitate the participation of delegates from the less developed countries to attend the hydro conferences. (More details can be found at: www.hydropower-dams.com). Suggested donation options: US$ 25, US$ 50, US$ 75, US$ 100

**PLEASE TOTAL THE COSTS ON THIS PAGE AND CARRY THEM OVER TO THE SECOND PAGE**
SUB-TOTAL OF FEES CARRIED OVER FROM PREVIOUS PAGE

<table>
<thead>
<tr>
<th></th>
<th>USD</th>
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<tbody>
<tr>
<td>SOLE USE BEDROOM WITH PRIVATE BATHROOM (includes taxes and breakfast)</td>
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</tr>
<tr>
<td>☐ 5* Intercontinental</td>
<td>US$ 150 per night</td>
</tr>
<tr>
<td>☐ 4* Jupiter</td>
<td>US$ 125 per night</td>
</tr>
<tr>
<td>☐ 4* Dreamliner</td>
<td>US$ 100 per night</td>
</tr>
<tr>
<td>☐ 3* Ghion</td>
<td>US$ 85 per night</td>
</tr>
</tbody>
</table>

TWIN OR DOUBLE ROOM WITH PRIVATE BATHROOM (includes taxes and breakfast for two people)

<table>
<thead>
<tr>
<th></th>
<th>USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ 5* Intercontinental</td>
<td>US$ 200 per night</td>
</tr>
<tr>
<td>☐ 4* Jupiter</td>
<td>US$ 160 per night</td>
</tr>
<tr>
<td>☐ 4* Dreamliner</td>
<td>US$ 135 per night</td>
</tr>
<tr>
<td>☐ 3* Ghion</td>
<td>US$ 110 per night</td>
</tr>
</tbody>
</table>

Preference: ☐ Twin ☐ Double (cannot be guaranteed)

NB: A limited number of rooms have also been blocked at the Hilton hotel (Please contact us if you require details). Other 5* hotels are available in Addis (Sheraton, Radisson Blu, etc), but these luxury hotels do not offer special rates for conference participants, and are substantially more expensive.

The Intercontinental was therefore selected as our headquarters hotel for the conference.

Check-in date: ........... April 2013  Check-out date: ........... April 2013  Total number of nights: .............

Special requests (eg, non-smoking room): ............................................................................................................................

Twin occupancy: Name of partner ............................................................................................................................................

(If you wish to share a room with another delegate, then you must both request the arrangement, and both send registration forms to SureFire Events at the same time. Only one person should make the payment for the hotel.)

STUDY TOUR  See details of itinerary in this brochure.  Prices include transportation by private landcruisers, meals, guides, entrance fees during sightseeing trips, and accommodation. Hotel extras (telephone, internet and extra drinks) must be settled separately.

Tour to Gibe II and Gibe III (4 days)  This technical and cultural trip will take participants through the Great Rift Valley to visit two major hydro schemes in the Omo River cascade and two nights at the Hail resort at Awassa. Local sightseeing, including a visit to the stelae field at Tiya and the ancient rock-hewn church at Ajardi Mariam, will also be included.

......... Single room US$ 760 per person (total tour cost)  ........... Sharing twin room US$ 700 per person (total tour cost)

Training Seminar on small hydro, organized by ESHA, with input from IEA
See programme for more details; updates will be available from the H&B website (nominal fee covers catering and administration) $50

Training Seminar on dam safety, organized by Dr Robin Charlwood and other ICOLD experts
See programme for more details; updates will be available from the H&B website (nominal fee covers catering and administration) $50

PASSPORT DETAILS (For cases where visas are required only)

(Delegate) Full name as in your passport: ..........................................................  Passport No: ..........................................................

Date of issue: ........................................  Place of issue: ........................................  Expiry Date: ........................................  Nationality: ........................................

(Acc person) Full name as in the passport: ..........................................................  Passport No: ..........................................................

Date of issue: ........................................  Place of issue: ........................................  Expiry Date: ........................................  Nationality: ........................................

TOTAL PAYMENT FOR REGISTRATION, HOTEL AND EXCURSIONS (include total from first page)

(Please ensure that this box is completed, so that your registration can be confirmed)

Please quote your company VAT / Mwst / TVA / ALV / IVA / BTW / MOMS number:

SOCIAL EVENTS  (Included in the registration fee and only available for registered participants)

U/we will attend (please tick boxes as applicable):

<table>
<thead>
<tr>
<th></th>
<th>Participant</th>
<th>Accompanying Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday 16 April - Welcome Reception at the Sheraton Hotel</td>
<td>Yes ☐  No ☐</td>
<td>Yes ☐  No ☐</td>
</tr>
<tr>
<td>Thursday 18 April - Conference Dinner at the Millennium Hall</td>
<td>Yes ☐  No ☐</td>
<td>Yes ☐  No ☐</td>
</tr>
</tbody>
</table>

PAYMENT

Payment is possible by the following methods:

• Bank transfer (the preferred method) to: SureFire Events Ltd., Barclays Bank, Blandford, Dorset, UK
• Sort Code: 20-96-96  • Account: 76359966  • IBAN number: GB86BARC0969676539966  • SWIFT: BARCGB22
• For on-line bookings, payment will be taken by Barclcard from your debit or credit card. All on-line fees will be taken in US dollars ($).

All credit card transactions will be with SureFire Events (this is the name which will appear on your statement)

SureFire Events, Unit 8, Hinton Business Park, Tarrant Hinton, Blandford DT11 8JF, UK
Tel: +44 (0)1258 447040  Fax: +44 (0)700 349 7034  E-mail: africa2013@surefire-events.com
Online registration via: www.hydropower-dams.com or: www.surefire-events.com