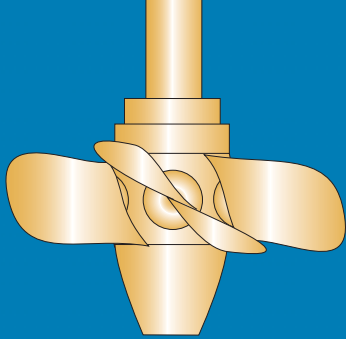




HYDRO 2009



Progress – Potential – Plans

CALL FOR PAPERS

INTERNATIONAL CONFERENCE AND EXHIBITION

Lyon, France ~ 26–28 October 2009

Organized by: **THE INTERNATIONAL JOURNAL ON
HYDROPOWER
& DAMS** & **NETWORK
Events Limited**

Co-hosted by:  **EDF**

Progress in refining planning methods for dams and hydro plants, in financing approaches, and in the technology at the heart of powerplants (to achieve efficiency, economy and safety) has led to a resurgence of activity worldwide. Public acceptance of hydro has also progressed considerably in recent years, with more widespread recognition of the inherent benefits of hydro.

Potential still remains, on a vast scale in many parts of the world, for new hydro development – in the regions where more capacity is most urgently needed. The potential for refurbishment and upgrading is also considerable worldwide, including in the HYDRO 2009 host country, France, where a major upgrading programme is now going ahead.

Plans to accelerate new hydro, pumped-storage and marine energy schemes, as well as to maximize the benefits of existing schemes by refurbishment, are clearly defined in many countries, and have recently been developing in others. Another vital aspect of planning to be discussed will be environmental protection, and safeguarding the interests of local stakeholders.

HYDRO 2009 will bring together planners, developers, owners and operators, environmental specialists, financiers, researchers, manufacturers and equipment suppliers for an exchange of expertise which will be constructive in furthering well planned hydropower development worldwide. As always, much emphasis will be placed on meeting the needs of the less developed countries; this will be reflected strongly throughout the programme.

Supporting Organizations include:



THE VENUE

Lyon is an elegant city with 2000 years of history. It was the former capital of Gaul, founded in 43 BC. The city has preserved many archaeological relics, one of the most important being the oldest theatre in France. There is also a superb collection of mosaics, sarcophagi, statues and artefacts, all of which are preserved at the Fourvières museum of Gallo-Roman civilisation.

At the end of the middle ages and throughout the renaissance, the quarters of Saint-Georges, Saint-Jean and Saint-Paul formed the heart of the city, which was then famous for its silk trade (being one of the stages of the famous Silk Route).

Houses decorated in Italian-style colours line the streets, and there are picturesque courtyards, wells and a magnificent cathedral. Lyon is also known as one of the most important gastronomic centres of France, and of Europe; we will ensure that HYDRO 2009 participants do not overlook this! Spectacular scenery surrounds the city, including some famous wine-growing areas. The HYDRO 2009 social programme will take full advantage of this.

The Lyon Congress Centre has been harmoniously integrated between the Rhône River and a 105 hectare park, by the Italian architect Renzo Piano, in a complex known as Cité Internationale, which also contains three major hotels, cafés and an art museum.

Lyon - Saint Exupéry airport has regular flights to and from 54 international cities, and daily connections with 28 cities within France. The airport is located just 30 minutes away from the centre of Lyon. Lyon also connects by high speed train to all major French cities, (1 hr 55 minutes from Paris) and also London.



HYDRO 2009 MISSION

HYDRO 2009 will be the 16th annual Hydro Conference to be organized by Aqua~Media International, in partnership with NetWork Events. The events have progressively increased in size and scope, and typically bring together delegations from more than 70 countries. The majority of delegates represent owners and operators; others are consulting engineers, financial institutions, contractors, researchers, equipment suppliers, and various specialists involved in the planning process. There is thus a constructive exchange of experience between countries at various stages in their hydropower development programmes.

Previous Conferences in this series have taken place in: Budapest, Hungary (1994); Barcelona, Spain (1995); Lausanne, Switzerland (1996); Portoroz, Slovenia (1997); Aix en Provence, France (1998); Gmunden, Austria (1999); Berne, Switzerland (2000); Riva del Garda, Italy (2001); Kiris, Turkey (2002); Dubrovnik, Croatia (2003); Porto, Portugal (2004); Villach, Austria (2005); Porto Carras, Greece (2006); Granada, Spain (2007); and Ljubljana, Slovenia (2008).

High level delegations from developing countries report on their needs and priorities; international finance institutes and development agencies set out their policies, and all those with a role to play in furthering well planned schemes join the debate. Plenary sessions feature keynote addresses and country reports; there are then several parallel tracks of sessions - generally covering: planning, project finance and economics; environmental and social aspects; and technology (civil engineering issues, innovations and developments in electromechanical equipment). In addition, there are workshops, inter-active debates, and regular side events hosted by national and international professional associations. The Exhibition provides an opportunity to review recent developments in technology and design techniques.

A full cultural and social programme, including receptions, music, a conference dinner, and lunches served in the Exhibition area, will provide extra networking opportunities over the three days in Lyon.

A number of special workshops, receptions and other side events are being planned. Full details will be announced shortly.



THEMES FOR HYDRO 2009

Abstracts on the themes below, or related topics, are now invited.

World hydro potential and development

Sessions will be arranged to focus on regional issues, so that topics common to neighbouring countries can be addressed.

Suggested subjects for submission are:

ASIA:

Review of current major schemes; Priorities for development over the next 5-10 years; Power trading; Large construction sites; Extreme climates; Challenges of complex sites; Flood mitigation and management; Rural electrification and small hydro.

AFRICA:

Capacity building and training needs; Potential and priorities for development; International collaboration; Regional initiatives; Review of current projects; Priorities in future planning.

LATIN AMERICA:

Potential and plans; Review of progress at current schemes; Regional initiatives; Experience with BOTs; Carbon trading; Large construction sites; Recent case studies.

EUROPE, NORTH AMERICA, AUSTRALASIA:

Refurbishment to enhance safety; Upgrading; Small and micro hydro; Pumped-storage development; EU Directives and impacts on hydro; Plans for new projects

Responsible planning: social and environmental issues and mitigation measures

Building trust among developers and affected people; Avoiding conflict through timely communication; Stakeholder involvement – policy or practice? Comparative analysis of mitigation measures (case studies); Innovative project design for environmental protection; Long-term environmental management strategies – measuring success.

Collaboration and partnerships

Regional studies and initiatives; Shared waterways; Power trading.

Efficient project implementation

Cost-effective design; Planning and scheduling to reduce construction time (innovative tools, review of experience); Complex logistics; Challenging sites.

Commercial aspects of hydro development

Financing: expectations of the private and public sectors; Innovative approaches and review of experience; Effects of global financial problems on hydro financing; Identifying, allocating and managing financial risk; Legal and contractual issues; Concessions; Procurement issues; Power sales and tariffs; Carbon trading experience.

Technical excellence

Research and development to enhance performance; Innovation in hydraulic and electrical machinery design; Manufacturing techniques; Quality control; Environmental protection; Operational issues; Condition monitoring and diagnostics; Repair and maintenance techniques; Challenging cases.

Innovation in the hydro business

Strategic planning; Innovative system management; New tools/approaches for planning, design, construction and operation.

Energy from the oceans

Potential and development plans; Barrage tidal schemes; Lagoon tidal schemes; Innovations in technology (civil works or equipment); In-stream systems; Wave power (R&D, operating experience and future prospects)

Global concerns

Water infrastructure for extreme climates; Climate change research; Transferring hydro expertise to young people (needs, incentives and innovative ideas); Keeping hydro competitive; Public awareness and communications; World financial situation

NB: Submitting an abstract implies willingness to attend HYDRO 2009 to present the paper. If your proposed paper is accepted for presentation, we will therefore ask you to confirm your commitment to attend. Please take this seriously, and if applicable, check that you have the necessary clearance from your company to present the proposed material, and to attend. If you are unavoidably prevented from attending after agreeing to do so, we will expect you to nominate a colleague to present on your behalf. Your allocated place in the programme represents a place denied to someone else. In fairness to your colleagues, please keep this in mind when submitting an abstract. If your paper is accepted and you will require a visa to enter France, please ensure that your application is made in good time. Prospective speakers from less developed countries may be eligible to apply for financial assistance. Sponsorship funds are limited, so please let us know as soon as possible if you would like to be considered for part-sponsorship.

INTERNATIONAL STEERING COMMITTEE INCLUDES:

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FRANCE AS HOST COUNTRY FOR HYDRO 2009



France has a long and impressive history of hydropower development, both at home and abroad.

The main national power authority, EDF, has more than 20 000 MW of hydro capacity in operation within France, and 5000 MW abroad, and is thus today one of the world's major players in the field of hydro. French hydro schemes range in capacity from a few hundred kW to 1800 MW.



HYDRO 2009 will take place close to major hydropower facilities in the Alps, and visits are being planned to some of these, and also projects in other parts of the country.

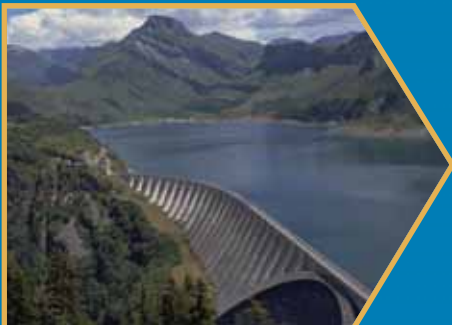
It is just the right time to be meeting in France. The average age of the existing hydro facilities is 55 years, and EDF is currently beginning to undertake a major safety and performance restoration programme, called 'SuperHydro'. This has a budget of € 500 million, to cover work over the next five years. The scheme includes the rehabilitation of gates, canals and dams.



Another programme, known as 'Renouveau', is aimed at improving the efficiency and standardization of operation of hydro facilities; this will include an upgrade of control and information transfer systems.

There are also new schemes under way, such as Rizzanese in Corsica, where work recently began. The French Government's commitment to renewable energy development is likely to herald a new future for hydropower.

Another supporting organization of HYDRO 2009, Compagnie Nationale du Rhône, will share its experience and expertise with participants. CNR has expertise in hydro production, river engineering, improving navigation, and irrigation.



Both organizations will collaborate in planning the HYDRO 2009 Study Tours, and will participate in the technical programme, sharing their experience of hydropower development both in France and abroad.

France, renowned for its international collaboration in Africa, Asia and Latin America, has more than 130 embassies and consulates throughout the world. As a founding EU member, and long-standing Schengen country, France is ready to welcome the world hydropower community to HYDRO 2009 in Lyon.



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SUBMISSION OF ABSTRACTS

Abstracts of up to 800 words, in English, are now invited on the themes listed or related topics. Please mail, fax or email abstracts to the address below. A short CV of each author should be included.

Your abstract should summarize precisely the scope and content of the paper proposed. No artwork or bibliography is required at this stage. In the case of any project to be described, please mention its current status or date of completion. If the abstract is sent by email, please incorporate the author's name in the file name.

Please note: abstracts should only be submitted if the author would be able to attend the conference (or send a representative). Please obtain any necessary clearance, and check your availability to attend before submitting the abstract.

If the paper is accepted, you will be asked to sign a form confirming willingness to attend; it is essential that we receive this undertaking before allocating time for an oral presentation.

The deadline for receipt of abstracts is 30 January 2009. Authors will be notified in early April 2009 whether or not their paper has been accepted for presentation, or for publication in the Proceedings.

Abstracts will be reviewed by two or more experts on our International Steering Committee, and you may be asked to modify

some aspects of your proposed paper. As this review process takes some time, we urge you to submit abstracts promptly (if possible well before the final deadline).

Full papers will be required by 24 July 2009, and format guidelines will be sent to all authors whose papers are accepted. A hard copy and an electronic file of each final paper will be required.

Full details of the technical and social programmes, and more information about the excursions, accommodation and registration fees, will be published in the Final Bulletin, which will be distributed in June 2009.

HYDROPOWER & DAMS

Meanwhile, information about **HYDRO 2009** will be updated regularly in the Journal *Hydropower & Dams*, by email, and on our web site (www.hydropower-dams.com).

If you do not receive regular copies of the Journal and would like to subscribe now, please contact our Subscriptions Manager, Maria Flintan at: subs@hydropower-dams.com or tick the appropriate box on the form below.

Subscribers to *Hydropower & Dams* will be eligible for reduced registration fees.

HYDRO 2009: Progress ~ Potential ~ Plans

Lyon, France, 26-28 October 2009

- I am interested in attending the Conference and Exhibition as a delegate. Please send further details.
- I attach an abstract for consideration. If it is accepted, I or my representative will attend the conference to present the paper.
- I intend to submit an abstract by **Friday 30 January 2009**.
- My organization may wish to participate in the Exhibition. Please send further details.
- I am interested in sponsorship opportunities (coffee breaks, etc). Please send details.
- I would like to subscribe to *The International Journal on Hydropower & Dams*.
(When registering later as a delegate I wish to take advantage of the reduced registration fees for subscribers)

Name: Position/Dept:.....

Organization:

Address:

Country: Email:

Fax: (+ int. code) Tel: (+int. code).....

Proposed paper topic:.....

Please note our new contact details for **HYDRO 2009**:

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Tel: +44 20 8773 7244 ~ Fax: + 44 20 8773 7255 ~ Email: mb@hydropower-dams.com



HYDRO 2009 EXHIBITION AND SPONSORSHIP

As usual at the annual Hydro Conferences, a major Technical Exhibition will take place alongside the HYDRO 2009 Conference. All lunch and refreshment breaks will take place in the Exhibition Hall. About 160 companies active in the hydro profession will have the opportunity to display their products and services.

The Hydro Conferences are renowned for their high-level international participants from all parts of the world (more than 70 countries). The Exhibition provides a unique opportunity for all those playing a role in world hydropower development.

Exhibition space is sold in units of 6 m² (multiple units are available for large displays or groups of companies wishing to form a national pavilion).

The cost of each unit, of € 2700, covers: the fabricated stand, including the framework, panels suitable for mounting posters, a name sign, a table, two chairs, and two spotlights. Additional furniture may be ordered directly from our recommended supplier.

Various opportunities are available to sponsor meals, apéritifs, receptions and coffee breaks; this is a pleasant and memorable way of bringing your company to the attention of the international delegates. For further details of the Exhibition and/or sponsorship opportunities, please contact:

Mr Gaël Bozec

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