

IN-SHP

*International Network
on Small Hydro Power*



Volume1 No.1 ISSUE No. 1
October 2009

- ▶ 2 Special Events
- ▶ 5 ICSHP News
- ▶ 6 Sub-centers' News
- ▶ 7 Finance and Investment
- ▶ 8 Coming Events

NEWSLETTER

Message from the Director General



Prof. Liu Heng
Director General, IN-SHP

Nowadays the development of renewable energies has become a necessity: the increase in electricity demands combined with international agreements to reduce greenhouse gas emissions to limit fossil energy use and ensure security of supply by reducing the dependence on the importation of fossil fuels are now, more than ever. Small hydropower (SHP) has a key role to play as a mature technology, on the one hand still benefitting from untapped potential.

The International Network on Small Hydro Power (IN-SHP) is a member based non-profit international coordinating and promoting organization for the global development of small hydro power. We therefore enjoin governments, organizations, enterprises, research institutions, public and private individuals who are independent, willing and legally qualified in the field of SHP to become members to join in promoting the development of SHP globally in a coordinated & systematic strategy, with a focus on information and know-how exchange, encouraging SHP awareness building, policy research, technology transfer, cooperation promotion. Up to now, IN-SHP has had around 330 members in over 75 countries from all parts of the world.

This Newsletter is issued as a new channel of information exchange on Small Hydro Power development. We'd like to share with our members about the coming up activities that we are doing, investment opportunities, financial resources that the foundations offer. We also welcome all of the comments, ideas, and articles on SHP from the members to jointly promote this mission worldwide.

In this issue, there were several events that we would like to share with our members. In May, we hosted the fifth "Hydropower for Today Forum" in Hangzhou. Meanwhile, the annual meeting of IN-SHP Coordinating Committee was also held in the headquarters, on which, Mr. Tian Zhongxing, the Director of the Bureau of Rural Hydropower and Electrification Development of the Ministry of Water Resources of China was elected as the new Chairman of the Coordinating Committee. I was honored to be elected as the Director-General of IN-SHP. Over last three months, we also met with several important visiting delegations and distinguished guests from home and abroad, they are the Managing Director of UNIDO, IHA President, etc.

Last but not least, IN-SHP staff, including myself, would like to express our deepest gratitude to the members for your continuous support, and your comments and suggestions will be much appreciated as ever.

Special Events

1. **H. E. Mr. Chen Lei, the Minister of Water Resources Met with the Managing Director of UNIDO**
2. **Prof. LIU Heng Met with IHA President**
3. **UNESCAP Eco-efficient Water Infrastructure Workshop 19th ~21st Aug, 2009**
4. **The 5th Hydropower for Today Forum was Held in Hangzhou, China**
5. **2009 International Network on Small Hydro Power Coordinating Committee**

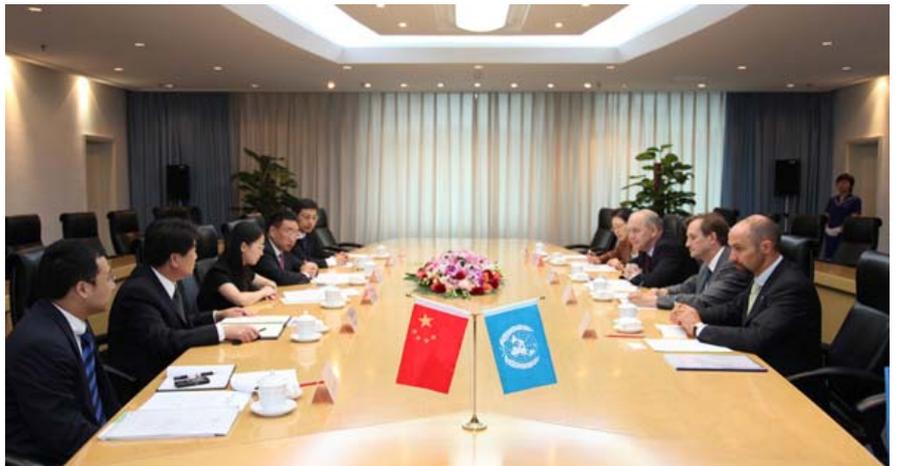
H. E. Mr. Chen Lei, the Minister of Water Resources Met with Mr. Dmitri Piskounov, the Visiting Managing Director of UNIDO

On September 4, H.E Mr. Chen Lei, the Minister of Water Resources met with Dr. Dmitri Piskounov, the visiting Managing Director, PTC of the United Nations Industrial Development Organization and his delegation in Beijing. The two sides reviewed the long-term, friendly and pragmatic cooperation between China and UNIDO in the field of small hydropower development, and exchanged views on how to enhance the status of the International Center on Small Hydro Power and promote the new collaboration in the field of water resource between China and UNIDO.

H.E Mr. Chen Lei briefly introduced China's remarkable achievements in small hydropower development and gave a positive assessment to UNIDO for its important influence in the global technical assistance to promote rural energy production and sustainable development. He said that the visit paid by the UNIDO delegation led by Dr Dmitri Piskounov, would benefit both sides in enhancing exchanges, deepen understanding, promoting all-round SHP development and high level of cooperation.

Dr. Dmitri Piskounov spoke highly on the Chinese government's achievements in the field of small hydro power, especially for active participation in small hydro power construction in developing countries of Asia, Africa, Latin America, and also expressed appreciation for the active role and important contribution of China in the implementation of "Lighting Up Rural Africa" project.

Mr. Liu Zhiguang, Deputy Director-General of the Department of International Cooperation of the MWR, Mr. Tian Zhongxing, Director-General of the Bureau of Rural Electrification of the MWR and Chairman of Coordinating Committee of International Network on SHP, and Dr. LIU Heng, Director-General of the International Center on Small Hydro Power, as well as other relevant officials attended the meeting.



Prof. LIU Heng Met with IHA President

Prof. LIU Heng, the Director General of ICSHP met the visiting Dr. Refaat Abdel-Malek, President of the International Hydropower Association on 18th Sept 2009 in Beijing.

After reviewing the collaboration in the past years, Prof. LIU Heng has briefed the IHA colleagues the latest development and activities of ICSHP as well as the green hydropower research in China which the ICSHP is currently engaged. Dr. Abdel-Malek has expressed IHA's desire to strengthen the collaboration between two parties and especially hopes to work with ICSHP on the SHP applicability of the revised Hydropower Sustainability Protocol.

Both parties have agreed to review and renew the reciprocal membership and have exchanged opinions on the co-organizing the 2011 Hydropower For Today Forum, enhancing the presence to each other's governing body, i.e. INSHP Coordinating Committee / IHA board, cooperating on research on sustainable hydropower development, as well as sharing the membership information to promote the SHP development in the developing countries.



UNESCAP Eco-efficient Water Infrastructure Workshop 19th ~21st Aug, 2009

The Second Regional Workshop on Eco-efficient Water Infrastructure in Asia and the Pacific was concluded successfully on 22nd Aug, 2009 in Incheon, Republic of Korea, which was co-organized by UNESCAP, Korea Institute of Construction Technology (KICT) and Korea Water Forum (KWF).

Over 30 participants from Asian and Pacific countries, like Vietnam, Nepal, Sri Lanka, Indonesia, Bangladesh, Mongolia, Singapore, Malaysia, Iran, China, Korea etc. and experts from UNESCAP, UN-habitat attended the workshop. Vice President of Korea Water Forum and Deputy Mayor of Incheon Metropolitan City delivered an opening address for the workshop. Director of Ministry of Land, Construction and Maritime Affairs and Director Water and Waste Water Works, Ministry of Environment ROK made their key note addresses on Korean's water policy.

The workshop shared the overall progress and achievements of eco-efficient water infrastructure in Asian and the Pacific, the experiences on eco approaches to water infrastructure in ESCAP supported countries, Korea's related studies and achievements in the area of eco-efficient water infrastructure, and the international organizations' experiences on eco-efficient approaches. Besides, a technical tour to Korea's Cheong Gye Cheon in Seoul was embarked upon by the participants, and it was concluded at the ecological park located at the center of the city. IN-SHP representative attended the workshop (No.4, the last line from left).



The 5th Hydropower for Today Forum was Held in Hangzhou, China

On May 11, sponsored by the Ministry of Water Resources and United Nations Industrial Development Organization, the International Center on Small Hydro Power hosted the fifth "Hydropower For Today Forum" in Hangzhou. Chen Lei, Minister of Water Resources attended the forum and delivered a keynote speech. He stressed the need to vigorously develop hydropower to improve people's wellbeing and promote sustainable economic and social development.

This forum focused on the role of small hydropower to improve people's wellbeing, and displayed China's experiences and practice in rural electrification and the development of small hydropower. China's achievements in small hydropower sector such as policy guidance, standardization, cost reduction, quality management are good examples for other developing countries. This forum provides a good platform to promote the world's small hydropower development in the field of Co-operation and Development.

Over 50 foreign representatives from 26 countries such as Azerbaijan, Austria, Botswana, Cambodia, Colombia, Ethiopia, Ghana, Congo, Guatemala, India, Kenya, Liberia, Malawi, Myanmar, Nigeria, Nepal, Norway, Philippines, Poland, Rwanda, Sierra Leone, Sri Lanka, Thailand, Uganda, Vietnam, Zambia and United Nations Industrial Development Organization, the International Hydropower Association and other international organizations as well as 120 Chinese participants from water resources departments, small hydropower enterprises and institutions of all provinces attended the forum.



2009 International Network on Small Hydro Power Coordinating Committee

On May 12, the International Network on Small Hydro Power Coordinating Committee held 2009 annual meeting, on which the members summarized 2008 work and discussed the work plan for 2009-2010, as well as elected the new Coordinating Committee members. Mr. Hu Siyi, Vice Minister of the Ministry of Water Resources, the Honorary Chairman of the International Network on Small Hydro Power chaired this meeting. Mr. Pradeep Monga, the Representative from UNIDO delivered a speech. Mr. Tian Zhongxing, the Director of the Bureau of Rural Hydropower and Electrification Development of the Ministry of Water Resources was elected as the new Chairman of the Coordinating Committee.

INSHP Coordination Committee (CC) is an international entity, which is the decision maker for INSHP. It is responsible for the review and approval of schemes, financial arrangements and recruitment of INSHP, serves as the management and oversight body for INSHP.

Coordinating Committee is composed of the Chairman, Vice-Chairman and members, whom elected by the annual meeting in each term of office for 3 years. At the Annual Meeting, Mr. Ferdinando, Permanent Secretary of the Ministry of Power and Energy, Sri Lanka was elected as Vice-Chairman of the Coordinating Committee, Mr. Liu Heng, Director of International Center on Small Hydro Power was elected as Director-General of INSHP.



IC-SHP News

1. **IHR Delegation from Vietnam Visited ICSHP**
2. **The Director of the National Research Institute for Rural Electrification Paid a visit to ICSHP**

IHR Delegation from Vietnam Visited ICSHP

On 26th, Aug, three-member delegation composed of Dr. Nguyen Tung Phong, the Director of Training and International Cooperation Center - Vietnam Academy for Water Resources, Dr. Nguyen Vu Viet, the Director of Institute for Hydro Power and Renewable Energy (IHR) and Mr. Nguyen Thanh Tung, the Chief of Training and International Cooperation-IHR visited International Center on Small Hydro-Power (ICSHP) Hangzhou, China



Prof. LIU Heng, the Director General, Ms. HU Xiaobo, the Chief of Multilateral Development Affairs Department, Mr. ZHOU Xiao, the Program Officer attended the meeting. The two sides discussed on how to collaborate on the development of low head hydro power stations and SHP training programs, MOU was also signed during the meeting.

Dr. Nguyen Tung Phong, the Director of Training and International Cooperation Center - Vietnam Academy for Water Resources highly praised the achievements of ICSHP in promoting global small hydro power development by organizing SHP training workshops for technicians and officials from the developing countries and facilitating hydro equipment exportation.

The Director of the National Research Institute for Rural Electrification Paid a visit to ICSHP

On August 4, 2009, Ms. Chen Xialei, the Director of the National Research Institute for Rural Electrification under the Ministry of Water Resources paid a visit to ICSHP, and discussed with the leaders of ICSHP on small hydropower technology research, project cooperation, capacity-building and other issues. Prof. Liu Heng, the Director General, Prof. Liu Deyou, the Managing Director and the Division Chief of relevant departments attended the meeting.



Prof. Liu Heng, the DG reviewed the Center's development process to the visiting guests, and also introduced the opportunities and challenges that the center is facing ahead. In addition, Prof. Liu suggested to strengthen comprehensive cooperation with each other to achieve win-win beneficiary results, and further transfer China's small hydropower technologies and experiences to a wide range of developing countries.

Ms. Cheng Xialei, the Director of the National Research Institute for Rural Electrification highly praised the important role of ICSHP in global development of small hydro power. She said with the combination of the institute' technology advantages and ICSHP's international platform the two organizations will gain more achievements in the near future. Prof. Liu Deyou, the Managing Director of ICSHP, Rural Power, Mr. XU Jincai, and Huang Jianping, the managing directors of the National Research Institute for Rural Electrification also expressed their willing to strengthen exchanges and cooperation. Through discussion the two sides reached consensus on many issues, and exchanged views on practical cooperation modes.

Sub-centers' News

1. **UNIDO Regional Centre for Small Hydro Power, Abuja (INSHP's Sub-center in Africa)**
2. **CELAPEH (INSHP's Sub-center in Latin America)**

Brief Introduction of UNIDO Regional Centre for Small Hydro Power, Abuja

The Regional Centre for Small Hydro Power (SHP) in Abuja, Nigeria, is under the auspices of the Energy Commission of Nigeria, a Government body. The Centre will facilitate a variety of programs and projects related to renewable energy technologies in general and Small Hydro Power in particular, within the country and the Western African Region. SHP has been identified as one of the most appropriate, environment friendly and economical renewable energy sources, which can provide convenient and uninterrupted energy to off-grid rural villages in Nigeria and the neighbouring countries. It is envisaged that the Centre would play a critical role to promote and accelerate sustainable development through developing cost-effective technology, utilizing local equipment, materials and labour, providing training and awareness building programs on renewable energy systems and small hydro power development schemes, organizing consultancy programs on comprehensive aspects of implementing RE systems and small hydro development. The establishment of the centre will further facilitate the implementation of necessary local infrastructure (encompassing academic, research, training and consultancy including linkage with manufacturers of parts and components to be used in electromechanical systems) to exploit the small hydro potential to the fullest.

For more information, please visit <http://unidorc.org/nigeria/>.

Brief Introduction of CELAPEH, Columbia

CELAPEH is an international, non profit seeking corporation, dedicated to the promotion, construction and operation of small hydropower stations in the Latin American countries.

1. Carry out technical and financial feasibility studies for public and private stake holders of SHP projects.
2. Promote execution of feasible SHP projects, searching for and managing, as appropriate, required financial resources.
3. Coordinate and manage execution of SHP projects upon request from public, private and institutional project stakeholders.
4. In special cases, and for strategic reasons, promote and lead execution of SHP projects through joint ventures or associations with public and private investors assuming responsibility, if required, for power stations construction management, operation and management.
5. Celebrate agreements with local, national, Latin American and International institutions to implement and execute long term rural electrification programs based on SHP development.
6. Create and operate, with support of Latin American and international institutions, a Training and Technology Development Center for Small Hydro, equipped with physical and operational facilities as required to train people involved in design, construction, operation and management of SHP stations, as well as to carry out applied research and technology development activities in regard with SHP.
7. Celebrate research, innovation and technology development agreements and actively participate in joint execution of projects related to these activities in the area of SHP.
8. Search for and obtain from international organizations technical secretary assignments to coordinate or manage SHP based energy programs.
9. Provide to Latin American governments and public institutions advice and support to formulate and implement policies aimed to foster rural electrification programs based on renewable energies and especially on small hydro.

For more information, please visit <http://www.celapeh.org/>.

Finance and Investment

1. LAUNCHING OF THE 2ND ACP-EU ENERGY FACILITY!

LAUNCHING OF THE 2ND ACP-EU ENERGY FACILITY!



The funding proposal for a 2nd Energy Facility, worth € 200M, will be submitted to the EU Member States at the EDF Committee end of October for their final approval. A new Call for proposals of the ACP-EU Energy Facility is expected to be launched early November 2009, provided that the program Energy Facility II is adopted by the EDF Committee. A launching conference of the 2nd ENERGY FACILITY will take place on the 4th of November in Brussels at the conference Centre Albert Borschette. The main guidelines of the Energy Facility program and particularly the call for proposals will be presented, together with a brief presentation of the results of the 1st Call for proposals of the ACP-EU

Energy Facility and some case studies from the 1st EF.

It is a €200 million funded program in the framework of the 10th European Development Fund Intra ACP envelope. It covers therefore all of the Sub Saharan African, Caribbean and Pacific countries who have signed the revised Cotonou agreement. Its overall objective is to increase access to energy services in rural and peri-urban areas while fighting against climate change.

Expected results:

1. Improved access to affordable and sustainable energy services in rural and peri-urban areas
2. Development of a sector enabling governance and regulatory framework and reinforced capacities of key stakeholders

Focus will be put on:

- † access to energy services in a pro-poor perspective
- † renewable energy and energy efficiency, use of local resources and decentralised solutions
- † productive use of energy beyond the basic service
- † coherence with partner countries' planning frameworks
- † promotion of sound energy policies and strategies
- † removal of obstacles to private sector's involvement

Main principles are:

- † Flexible instrument which adapts to the needs of the ACP countries
- † Open to joint financing with Member States and other donors
- † Able to adopt innovative ways of implementation
- † Enabling ownership from ACP countries
- † Catalyst instrument for attracting funds to the energy sector

The largest part of the funds will be implemented through the Call for Proposals (CfP) procedure. Two Calls are foreseen, the first one to be launched by the end of this year.

Unlike the EF 1, the Call will be a two steps one: submission of concept note first, evaluation, and then invitation for submission of a detailed proposal for those projects selected after the first step. The aim of these two steps is to allow for better preparation of proposals from the applicants and better predictability in terms of the real possibilities of obtaining funding (and therefore avoiding unnecessary investment from potential applicants). Those interested in participating to this conference are invited to send an e-mail to Europeaid-energy-facility@ec.europa.eu.

Coming Events

1. **Hydro Energy 2009, Italy, 25-28 November**
2. **Hydro Events in February, 2010**

Hydro Energy 2009, Italy, 25-28 November

Hydro Energy 2009 - International Exhibition on Micro and Mini Hydro-Electric Power will take place at the Milan Fair Centre, Italy. For further information, please visit

http://www.esha.be/fileadmin/esha_files/documents/publications/Newsletters/2009_Brochure_HYE_EN.pdf

Hydro Events in February, 2010

6th International Conference on Hydropower

February 1-3, 2010

Troms, Norway

www.hydropower10.org

International Training Course on Small Hydropower Development

February 2-13, 2010

Roorkee, India

www.iitr.ernet

Renewable Energy World North America Conference & Exposition

23-25 February 2010

Austin, Texas, United States

www.renewableenergyworld-events.com

ENERGY INDABA 2010

24-26 February 2010

Johannesburg, South Africa

www.siyenza.za.com

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e-NEWSLETTER is a free online publication keeping hundreds of people, organizations informed of the many factors that affect SHP development and their impact on creating a brighter and greener world.

For more information, please visit our website: www.inshp.org.

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