

**AGENDA FOR THE TWELFTH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)
New Delhi, India
06 December 2009: 09.30-13.15 hours**

Year of Establishment: 1998**Completion of the Mandate: 2007**

Members: (1) Prof. Dr. N. Hatcho, Chairman, 2002 (Japan, 1998); (2) Dr. Hubert Toussaint, Secretary (The Netherlands, 2005); (3) Vice President Hon. Ricardo S.Graino (Spain, 1998); (4) Mrs. F. Sinatti (Italy, 1998); (5) Mrs. Xuming Tan (China, 1998); (6) Dr. S.H. Lee (Korea, 1998); (7) Dr. Naser Shayan (Iran, 1998); (8) Vice President Dr. Illahi B. Shaikh (Pakistan, 2000); (9) Dr. Laszlo Hayde (Hungary, 2001); (10) Prof. Zorko Kos (Croatia, 2002); (11) Mr. Aliyu Jada (Nigeria, 2002); (12) Mr. Satit Maneepai (Thailand, 2002); (13) Dr. Alexis Vogel (Austria, 2002); (14) Mr. B.D. Pateria (India, 2003); (15) Mr. Jean Verdier (France, 2003); (16) Vice President Dr. A. Hafied A. Gany (Indonesia, 2005); (17) Mr. Charles L. Abernethy (UK, 2005); (18) Dr. Ing. Klaus Röttcher (Germany, 2006); (19) Prof. Wen-Pin Shu (Chinese Taipei, 2006); (20) Dr. Jeong-Woo, Na (Korea, 2007); and (21) Secretary General, ICID

Permanent Observers: (i) Dr. (Mrs.) B. Dolging (The Netherlands); (ii) Dr. Ir. Maurits Ertsen, The Netherlands (IWHA).

Item 1 : Confirmation of minutes of the 11th meeting of WG-HIST

The minutes of the 11th meeting of the Working Group held on 13 October 2008 at Lahore (Pakistan) will be confirmed.

It may be mentioned that the name of the newly proposed working group in place of the current one is "Working Group on History of Agricultural Water Management". The tenure of this new working group is upto 2014. However, so far the mandate of the WB (as well as workplan and change in membership, if any) has not been formally presented for approval to PCTA, which needs to be done at this meeting.

Item 2 : Review of membership of the Working Group

The Pakistan National Committee (PANCID) has nominated (19 August 2009) Mr. Zarar Aslam in place of Dr. I.B. Shaikh for the membership of the WG. CV of Mr. Aslam will be made available during the meeting for consideration.

Attendance of the members at the meetings of the WG-HIST held in 2007 and 2008 will be tabled during the meeting. It may be noted that representation of a member of the working group by any other representative of the concerned national committee is not deemed to be a contribution by a member. Refer to Annex 1 of PCSSOA of Agenda (page A-9) and ICID By-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

Members who were neither present at the meetings nor contributed through correspondence for the last two consecutive years are:

- Mrs. F. Sinati (Italy)
- Dr. Naser Shayan (Iran)
- Prof. Zorko Kos (Croatia)
- Mr. Aliyu Jada (Nigeria)
- Mr. Satit Maneepai (Thailand)
- Dr. Alexis Vogel (Austria)
- Mr. Jean Verdier (France)
- Mr. B.D. Pateria (India)

The Central Office (CO) has contacted the above NCs in February and July 2009 with a request to ensure their participation in the New Delhi meeting of WG-HIST or nominate a new member who could contribute to the activities of the WG.

In response, Iranian National Committee (IRNCID) has nominated (5 August 2009) Dr. Kamran Emami (Iran) in place of Dr. Naser Shayan. Dr. Emami's CV will be made available during the meeting for consideration.

At Lahore (2008), nomination of Mr. Ram Chandra Jha (India) in place of Mr. B.D. Pateria was deferred till 2009 since neither Mr. Jha was present nor represented by INCID member during the meeting. The Central Office is in contact (2 February and 20 July 2009) with INCID to either confirm the nomination of Mr. Jha or nominate a fresh person with CV. Response is awaited.

Responses from other National Committee are awaited in respect of the Central Office letters urging NCs to ensure their members' contribution or replace them.

2.1 Election of Chairman

Prof. Dr. N. Hacho, Chairman, WG-HIST had earlier informed in 2006 that a successor might be nominated at the 11th meeting of the WG at Lahore, Pakistan as Chair for the working group. Prof. Hacho himself was not available during the Lahore meeting. The Chairman however, agreed to function as a "person-in-charge", until the change takes place. The meeting agreed to the view of the Chairman and decided that the nomination or election of a new Chairman be postponed until the next meeting scheduled during the 60th IEC meeting of ICID at New Delhi, India.

The WG may consider a new Chair during this meeting.

A. CONTINUING ITEMS

Item 3 : Report by the Chairman on progress made by the National Working Groups (NWG) on their assignments

History chapters from member countries are being prepared. Mr. Charles L. Abernethy (UK) communicated that Ms. Bhadra Kamaladasa of Sri Lanka Irrigation Department has recently compiled a book on History of Sri Lanka. He suggested to integrate the history chapter from Sri Lanka along with other regional volumes. Accordingly, the Central Office requested (31 March and 20 July 2009) Prof. N. Hacho, Chair, WG-HIST to include the History of Sri Lanka as a part of publication on Eastern Asian History of Irrigation. Regarding USA, a right person to contribute is to be identified.

Prof. Hacho will apprise the WG members.

Item 4 : Progress on publishing History of Irrigation in Eastern Asia

While reviewing the present status, the Chairman Prof. Hacho indicated that the draft synthesis of 'History of Irrigation in Eastern Asia' requires further brushing up and refinement. The paper contributed to the History Seminar by him was a refinement. The Chairman agreed to continue with his work on the synthesis and mentioned that several other countries, including Myanmar and Sri Lanka can be included in the Eastern Asian publication, renaming it as a "Monsoon Asia History". Accordingly, the Central Office in May 2009 requested Prof. Hacho (Japan) to provide an update on the publication. Response is awaited.

In the Lahore meeting (2008), Dr. Hubert Toussaint, Secretary, WG-HIST agreed to formulate their (NETHCID) contribution within a short period. The Central Office in March and July 2009 requested Dr. Toussaint to provide an update on their contribution. Response is awaited.

Dr. Toussaint/ Prof. Hacho may like to apprise the WG members.

Item 5 : Progress on publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean

The draft version received from VPH Prof. Dr. Ricardo Segura (Spain) was circulated to the members of the WG-HIST for comments. The NCs of France, Italy and Portugal were particularly requested to provide their views and

participate in the joint History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean. The Chairman, WG-HIST communicated that Dr. Segura has informed him that the version is in the final stage of completion.

The Central Office requested (5 May 2009) VPH Segura to provide an update on publishing the draft version. In response, VPH Segura has informed (6 May 2009) the Central Office that brochures from Spain and Portugal have been finished and one from Italy is in progress. But he is afraid that the French contribution is not coming out and it may be important to identify a right person to get French contribution. The Central Office is in contact with French National Committee (AFEID) and their response is awaited.

VPH Segura/ CERYD representative may like to apprise the WG members.

Item 6 : Cooperation with International Water Organizations

During the 11th meeting held at Lahore (2008), Dr. Klaus Röttcher (Germany) informed the WG about the phase-I of the Project and that of writing a compendium with a focus on Mediterranean area and the Middle East and requested all the members' for their comments. During the meeting, following points were emphasized:

- Writing of a compendium has to be initiated and approved.
- Dr Röttcher informed that
 - A study tour to Iran was organized in May 2008 by him together with Dr. Hayde
 - Iranian students are invited for a study tour in Germany in 2009
 - In collaboration with the German Water Historic Association(DWhG) a short water course of a week duration was offered to the students from the Middle East and
 - It has been decided to repeat the course in 2010/11
- Dr. Hayde informed the WG that
 - The Institute of Hydraulic Engineering at Delft has developed a short course on the world history of water management in cooperation with IWHA and support of UNESCO and
 - A second course will also be developed in collaboration with the (DWhG).

Accordingly, the Central Office in March and July 2009 requested Dr. Röttcher to provide an update on the project/ progress achieved. In response, Dr. Röttcher informed (4 August 2009) the Central Office that till now the project has not received funding support. He also mentioned that last year they had organised a short course on traditional water management for the MENA Region. This year in June 2009, he visited Amman and had discussions with the Arab Water Council about the project. Funding is still awaited.

Dr. Röttcher is Vice Chairman of German Water History Association (DWhG) and DWhG is expected to host a visit of young professionals from IRNCID in 2009.

Dr. Röttcher/ GECID representative will apprise the WG members.

Further, during the Lahore meeting (2008), the IWHA representative Dr. Maurits Ertzen (The Netherlands) informed the plan for launching a Journal 'Water History' during the summer 2009. The members were invited to prepare and submit papers for this new journal. Dr. Hayde indicated that the Delft University will organize a water history conference during the period from 16-19 June 2010. Members were invited to attend the event.

The Central Office circulated (11 May 2009) the call-for-papers (as received from Dr. Ertzen) for the new Journal "Water History" and the first announcement for the "International Conference on Water History" to be held from 16-19 June 2010 in Delft (The Netherlands) among all members of the Working Group. Members are requested to submit papers for the new Journal and also possibly participate in the International Conference.

Dr. Ertzen/ NETHCID representative/ Dr. Hayde will apprise the WG members.

Item 7 : Website of WG-HIST

The Webpage of the WG needs a complete change, with new name, mandate, workplan and membership.

During the 11th meeting (2008) of the WG, the issue of uploading the fresh information related to WG-HIST activities/ mandated tasks on National Committee's website and linking it with the WG-HIST website (<http://www.wg-hist.icidonline.org/>) was deliberated. The Central Office requested (31 March and 21 July 2009) all National Committees to upload the information related to WG-HIST activities and the task carried out by their National Committee's as mandated with a link to WG website under intimation to the Central Office.

In response, Dr. José A. Ortiz Fdz.-Urrutia (Spain) has informed (21 July 2009) that they have already provided a link on their Committee's website <www.aeryd.es> in the button "ENLACES" at the left side of the main page. Responses from other National Committees are awaited.

Item 8 : Work plan

Dr. Hafied A. Gany (Indonesia) proposed to organize a History Seminar of the WG on 'History of Irrigation in Eastern Asia', focusing especially on the use of modern water technology in 2010 during the 61st IEC meetings in Yogyakarta, Indonesia. The WG agreed to the proposal. Accordingly, the Central Office in May and July 2009 contacted Dr. Gany to update the progress on organization of History Seminar (like theme, sub-theme, scope deadlines etc.). In response, Dr. Gany submitted (9 August 2009) a draft proposal (**Annex**) for consideration of the WG.

Dr. Gany/ INACID representative may like to apprise the WG members.

B. NEW ITEMS**Item 9 : New name and mandate of the Working Group**

WG-HIST had decided in its 10th meeting (2007) held at Sacramento to change and enlarge its set of objectives and sum up its activities. The name of the new Working Group was proposed to be '*Working Group on History of Agricultural Water Management*' (with the same acronym as WG-HIST). As far enlarging WG's mandate is concerned, the focus will be on management and governance issues of irrigation and drainage system in a historical perspective. The WG may deliberate to come up for approval of PCTA at the New Delhi meeting, with the core work plan covering items such as publications in progress, organization of seminars/ workshops/ courses and other relevant activities. The tenure, of the newly proposed working group has been approved upto 2014 at the Lahore meeting (2008).

The WG may like to discuss and decide upon a new name, mandate and workplan of the Working Group during the meeting for PCTA approval.

Item 10 : Any other business**• Indian Water Culture**

An excellent book in English has recently been published under the title of "Indian Water Culture". The book was originally written in Marathi (local language) by Prof. Morwanchikar a famous historian, an active worker in INTACH, and the Vice President of the Indian Council for Water and Culture (ICWC) - a partner organization of the GWP. It was very well received in Marathi and is likely to be acclaimed by the English readers also. Mr. Suresh Prabhu, Chairman GWP South Asia, made a short presentation on this book at the GWP meeting in August 2009 at Stockholm, Sweden, on behalf of GWP South Asia. Indian Council for Water and Culture is also the theme leader of GWP South Asia for the topic of Water and Culture in South Asia. UNESCO has been pursuing the topic of water and culture for quite some time.

• The Untiring Indian

ICID fraternity is well aware of the first Secretary General SGH N.D. Gulhati who served our institution for 7 years (1950-57), Late Gulhati's son, Prof. Dr. Shashi Gulhati who also is the liaison contact for ICID with Gulhati family for obtaining the 'N.D. Gulhati Memorial Lecture' funds, has brought out a historic work "The Untiring Indian". The book

is a biography of an individual to whom irrigation and drainage, water resources harnessing, Indus water sharing in a mutually beneficial manner for the countries which share the river etc. were important. Prof. Shashi Gulhati's aim in writing his father's biography linking with anecdote of the family is aimed to inspire young generation to project role model of 'celebrated engineers' like Late N.D. Gulhati. He has dedicated the work of this historic importance to enhance the capacity in new generation to emulate distinguished personality in Irrigation & Drainage Sector.

Members may be provided with a copy of this work during the workshop.

WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)**International History Seminar on
“History of Irrigation in Eastern Asia, Focusing on the Use of Modern Water Technology”
October 2010, Yogyakarta, Indonesia****(Draft)****Scope**

Irrigation and water management in Eastern Asia Region, has long been, and will continuously be dominated by irrigated paddy fields as well as food grain crops under the small land holding conditions. The farming in the region is characterized by severe and extreme climate, recurrent floods and droughts, high soil erosion due to undulating upland topography, and extremely high sedimentation in the lowland plains. The region in general is densely populated, with diverse spatial land planning, especially in vicinity of urban and sub urban areas.

Paddy (rice) is aquatic plant by nature having high crop water requirement (consumptive use is not so high, but ponding requires more water) among the other food grain crops, requires special arrangement for appropriate irrigation water management. Under these conditions, focus has to be on efficient water utilization during the rainy season and appropriate drought management and water conservation during the dry season. Sediment reduction in the irrigation canal and its effect on carrying capacity of the canal and other infrastructures are particularly required to be studied under system management.

To undertake such management tasks efficiently, participatory management through water users' association has been the norm. In addition, institutional and legal framework under strong political commitment has been required to support the activities of the association and to enhance the level of participation and ensure efficient operation and maintenance of the system. However, the organization of such association or the establishment of frameworks has evolved over a long period under diversified socio-economic and natural conditions.

With the expansion of a system, a prevalence of water scarcity, or uncertainty of water supply under climate change, technological innovations for improving the efficiency and productivity of water use in the form of water saving technology and other management reforms have been adopted.

The seminar will focus on historical evolution of an irrigation system and associated governance mechanisms, as well as adaptation measures (innovative mechanism or technology) to cope with rapidly changing economic, social and environmental conditions surrounding irrigated rice farming, in particular under small land holding, high sediment transportation, and high water fluctuation(drought and flood). Specifically the seminar will cover the following aspects:

- technology (efficient water use, water productivity increase, water savings) and infrastructural development
- management of organization (water users' association, leadership, organizational setup)
- institutional and legal frameworks (rules, enforcement of rules, fee collection, federation of association, laws and regulations)
- governance system (water governance structure, conflict resolution)
- financing development and management of irrigation system

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