



UNESCO-IHE
Institute for Water Education



International Water
History Association



United Nations
Educational, Scientific and
Cultural Organization



International
Hydrological
Programme



UNESCO-IHE Short Course and UNESCO workshop on World History of Water Management

Applying Traditional Knowledge in present-day Water Resources Management

23 to 27 February, 2012

International Centre on Qanats and Historic Hydraulic Structures (ICQHS), Yazd, IRAN

“One who doesn’t know the history is unable to plan the future”
An old Chinese proverb

The 21st century is witnessing the emergence of many approaches to the management of water resources. This makes it necessary to reflect upon the long-term viability of some of the approaches advocated. Although many developments may appear novel, they are often grounded in historical antecedents, have historical parallels, and are cast within scientific, social, cultural and intellectual traditions of various historical depths.

Objectives

The course aims at:

1. Providing a comprehensive overview of archeological and historical developments in water management including water harvesting, water supply, transportation, delivery, treatment, hydraulic engineering and allocation (with contributions including the physical sciences, technology, ecology, engineering, organization, politics, law and governance) in different parts of the world and various cultural contexts.
2. Developing an appreciation of the role of cultural dynamics involved in managing water resources, especially at times of perceived water scarcity.
3. Comprehending the historical antecedents of our current paradigm of water management and what can be learned from historical case studies on the basis of the knowledge and experience of several scholars from different countries and from the exchange of experiences to be generated between the participants of the course and the experts.
4. Evaluating and discussing the possibilities of applying traditional knowledge and water management techniques within the framework of the portfolio of ongoing GEF MENARID projects.

Participant profile

Participants are invited from different entities involved in water management and water history, for example staff of the ministries of water resources, agriculture, environment and cultural heritage, of universities and colleges, research institutes, consultants and contractors, agencies and NGOs.

Course Programme

February 23, Thursday

Program	Lecturer	Time
Registration for the short course		12:00-13:00
Field Trip organized together with the Conference Field Trip		14:00-18:00

February 24, Friday"

Program	Lecturer	Time
Welcome and Introduction to: -The Short Course UNESCO-IHE -GEF IW: LEARN -The IW:LEARN Regional MENARID component – UNESCO-IHP	Ms Lucilla Minelli	8:30-10:00
1. History of water resources management	Dr. Rasool Zargar	10:30-12:00
2. traditional water harvesting systems in Iran	Dr. Semsar Yazdi	14:00-15:30
3. A historical overview of the cultural dynamics of water management: the interactions of resources, techniques and social systems	Dr. Fekri Hassan	16:00-17:30

February 25, Saturday

Program	Lecturer	Time
Presentations of GEF MENARID projects: opportunities for applying traditional knowledge and water management techniques (Each MENARID project representative will give a short, 10-15 minutes, presentation) Discussion with lecturers and participants		8:30-12:00
4. Past and future of traditional water management practices in China	Dr. Zheng Xiao Yun	14:00-15:30
5. Documenting and sharing traditional water knowledge: a participatory approach using video in Qanats rehabilitation	Dr. Joshka Wessels	16:00-17:30

February 26, Sunday

Program	Lecturer	Time
6. Hydraulic structures: a historical overview, historical dams	Dr. Laszlo Hayde	8:30-9:30
7. Water ethics and religion: a historical perspective	Dr. Fekri Hassan	9:30-11:00
8. Early hydraulic systems - Ancient Water Supply Strategies	Dr. Laszlo Hayde	11:00-12:00
9. Different aspects of water/rainwater harvesting	Dr. Forood Sharifi	14:00-15:30
10. Water & Cultural Practices	Dr. Irene Klaver	16:30-17:30

February 27, Monday

Program	Lecturer	Time
11. Water History and Civilization: the UNESCO Projec	Mr Alexander Otte	8:30-10:00
Presentation of the participants (Each participant should make a short, 10-15 minutes presentation on a "water" and "history" related topic, freely chosen from his/her experience)		10:00-17:00
Closing - Evaluation of the Short Course		17:00-17:30

Venue and Date

The course will take place at the International Centre on Qanats and Historic Hydraulic Structures (ICQHS), Yazd, IRAN. The duration of the course will be 5 days starting from 23 to 27 February 2012.

Organizers

- The International Centre on Qanats and Historic Hydraulic Structures (ICQHS)
- UNESCO Tehran Cluster Office
- UNESCO-IHE
- International Water History Association (IWhA)
- UNESCO-IHP and GEF IW LEARN

Language

The language of the training course is English.

Registration

Those interested to participate in the short training course are requested to fill out the registration form. The full registration fee is 500 USD, which should be paid on-site. The fee covers publications and course materials, attendance at the course, accommodation, meals, refreshments and tours.

بنام همایش بین المللی دانش 0103578442003 ریال را به حساب 5/000/000 متقاضیان ایرانی، میتوانند جهت شرکت در این دوره مبلغ سنتی مدیریت منابع آب، نزد بانک صادرات واریز نموده و فیش پرداختی را با درج نام و به همراه فرم ثبت نام تکمیل شده خود به آدرس ایمیل ارسال نمایند (مرفوم ذیل این صفحه) یا نامبر آقای مهندس مجید لباف

Certification of Attendance

Participants who complete the training course shall receive a certificate attesting their participation which lists topics of the training course. The certificate will be issued jointly by UNESCO-IHE, ICQHS and IWhA.

Visa Requirement

Participants are required to obtain an entry visa to IR Iran. The invitation letter will be issued by ICQHS and this Centre will facilitate this procedure. Please fill-out and submit these forms via Email to labbaf@icqhs.org.

Weather

Normally in Yazd during February the temperature falls between approximately 15°C day time and 1°C at night.

Technical visits

Technical visits will be organized for the participants during the course. The visits tentatively include Yazd water museum, Amir chaghmagh complex, Qanat of Zarch and some historic hydraulic structures like "payabs" and watermills.

Scientific Committee

Dr. Zheng Xiao Yun (President of International Water History Association, China)
Dr. Ali A. Semsar Yazdi (Director of ICQHS, Iran)
Dr. Laszlo G. Hayde (Senior Lecturer, UNESCO-IHE, the Netherlands)
Dr. Irene J. Klaver (Director Philosophy of Water Project, University of North Texas, USA)
Dr. Forood Sharifi (Research Center for Soil Conservation and Watershed Management, Iran)
Dr. Jim Griffiths (Professor, University of Nottingham, England)
Dr. Johann Tempelhoff (School of Basic Sciences, South Africa)
Dr. Joshka Wessels (Post Doc. Peace and Conflict Studies, Dept. of Political Science, Sweden)
Dr. Rasool Zargar (Ministry of Energy, IR. Iran)
Mr Alexander Otte (UNESCO-IHP)

Contact Details

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