

# 8th IAHR-EGW Meeting in Karlsruhe, March 2001

**Meeting:** Friday, 23.3.01, 14.00 – 18.30  
Saturday, 24.3.01 9.00 – 13.00

## **Participants:**

Prof. Armanini, Trento, Italy  
Prof. van der Beken, Brussels, Belgium  
Prof. Falconer, Cardiff, United Kingdom  
Dr. Fallico, Calabria, Italy  
Dr. Hinkelmann, Stuttgart, Germany  
Prof. Jirka, Karlsruhe, Germany  
Prof. Kalkani, Athens, Greece  
Mr. Klemm, Glasgow, United Kingdom  
Prof. H. Kobus, Stuttgart, Germany  
Dr. Molkenhain, Cottbus, Germany  
Prof. Nestmann, Karlsruhe, Germany  
Prof. Ostrowski, Darmstadt, Germany  
Dr. Siegerstetter, Munich, Germany  
Dr. Valentova, Prague, Czech Republic

## **1. Welcome and meeting organisation**

Prof. Jirka and Prof. Nestmann welcomed the participants and explained organisation of the meeting. Then Prof. Kobus chaired the meeting. The steering group had decided that this meeting is a general meeting of EGW open to all network partners and guests interested in the EGW activities.

## **2. Participants introduction and interests**

Each participant introduced himself and outlined his expectations of the EGW meeting.

## **3. Activity report 2000**

In 2000, 10 courses were announced, but only 5 took place. This information will be updated on the EGW homepage soon.

The following contributions were made to the IAHR newsletter:

- Issue 3: Report about the course 'Subsurface Modeling: Numerical methods in multiphase flow', held in March at TU Braunschweig, Germany
- Issue 4: Report about the 7th EGW meeting (steering group) in April in Cardiff, United Kingdom

-Issue 5: Report about the course 'WWW based Collaborative Engineering in Hydrosience' in June 2000, (Cottbus, Budapest, Delft, Grenoble)  
Issue 6: IAHR-EGW Course Program 2001  
Issue 1 (2001): Perspectives of IAHR-EGW on water-related education and training

#### **4. Discussion about perspectives of IAHR-EGW**

Prof. Kobus summarized the developments in the year 2000. At the meeting in Cardiff in spring 2000, the steering group decided to conduct a 'virtual meeting' in fall 2000, via a chatroom experiment or a telephone conference. However, the developments of the last year (cancellation of several courses, only limited number of course participants, lack of funds, feedback only of some of the courses, only scarce responses from steering group members) enforced a different direction. There was a very fundamental discussion by email among the steering group members about the developments and future perspectives of EGW including the question whether EGW should be closed down. The result was essentially that we see a need for EGW, and that the future activities have to be broadened out beyond merely conduct of short courses, and should include such activities as student and staff exchange, joint Masters Theses etc. This has been outlined in Newsletter 1/2001 'Perspectives on IAHR-EGW'.

Prof. Kobus reported on a doctoral program which is planned at Stuttgart University. Within this doctoral program, Stuttgart University will start to evaluate other courses for its purposes based on the course distinctions for a doctoral degree level and for a Master level, respectively. Continuing education courses should be evaluated by national professional associations. This would serve as a basis for academic recognition for other partners. In Trento, a doctoral program will start soon. In discussing about joint degree programs it was agreed that this is a good idea, but EGW cannot provide the right framework.

Prof. van der Beken mentioned that the EU will set up a new program to support doctoral programs in the close future. In this context, he distributed a 'Doctoral Studies Paper'.

It was agreed to set up a water advisor list. Prof. Falconer will send a comparable list of Cardiff University with the minutes.

#### **5. Courses and young scientist workshops 2001/2002**

Prof. Falconer suggests submitting half a page about the actual stage of each M.Sc. course program to the EGW secretariat. The half page of his course will be distributed with the minutes. To join forces for future courses, a list will be prepared on the EGW homepage with courses in preparation. This list contains offers as well as requests for lectures.

The meeting members gave short reports about planned activities. In September 2001, an EGW course about lake hydrodynamics will be given by Prof. Imberger at Stuttgart University. In March 2002, the EGW course 'Numerical methods in Multiphase Flow in the Subsurface' will be held by Prof. Helmig et al. at Stuttgart University. A possible course by Prof. Bear about multiphase flow via Internet was announced by Dr. Valentova. Prof. Armanini will give a course about hydropower inside ASCE debris flow in Trento in summer 2002. Prof. Ostrowski plans a course 'Decision Support for Reservoir Management' at Darmstadt University. It was mentio-

ned that Prof. Blöschel, Vienna, will set up a course about scales in hydrology. Prof. Kalkani announced a course about small-scale hydropower plants in Athens. Prof. Armanini and Prof. Nestmann will hold a course 'Sustainable Energy in Water Resources' in Trento. In August, Prof. Jirka et al. will organize the course 'Environmental Fluid Mechanics: Theory, Experiments, Applications' in Dundee. TU Munich will give feedback about planned activities. All further activities are welcome. Please contact the EGW secretariat in case of suggestions, planned courses and partner search.

The course announcements for 2002 should be made by **September 15th** at the latest to be published in the last IAHR newsletter in 2001. All organizers should make a good publicity for their courses. They should send an announcement / a flyer to the EGW secretariat, and they should not forget to hand out and to return the questionnaires.

Prof. van der Beken announced that a young scientist workshop will take place in October in Helsinki. Financial support of 500 Euro is possible for doctoral students and ETNET partners. Furthermore, Prof. van der Beken will check whether this workshop can be carried out as a joint initiative of ETNET and EGW. If support for doctoral students of EGW partners is possible, Prof. van der Beken will give a response together with detailed information about the young scientist workshop.

The International Colloquium 'Knowledge Transfer for Environment-Water' with demonstrations of 'Virtual Laboratories' will be held on June, 18th - 19th in Delft, the Netherlands, and EGW will actively participate.

## **6. Student exchange Erasmus / Socrates**

Several EGW partners joined a multilateral agreement on student exchange within the Erasmus / Socrates program last year. Further EGW partners can join such an agreement this year to get financial support from the EC, especially for Master thesis. For the students, a learning agreement before the exchange is very important for a successful exchange. For a student exchange within Erasmus or Socrates no student fees have to be paid up to a period of one year.

It was agreed to set up a Masters Thesis list on the EGW homepage.

## **7. Open distant learning, teleteaching**

EGW encourages all members to use new media in further education, although it cannot offer any direct support. At the moment, giving lectures over Internet or video conferencing is technically possible and already carried out. It is also possible to distribute homework/exercises and supervise them with these facilities. However, it is still an open question how examinations should be carried out over Internet. Several activities concerning new media in education are just starting, e.g. in Stuttgart or Cottbus. Further information can be obtained from Dr. Molkenthin or Dr. Hinkelmann.

## **8. EGW framework and organisation**

Based on the experiences made in EGW, it was decided to schedule one annual meeting of all EGW partners and to handle all organizational matters by information exchange via internet. The 'steering group' is consequently eliminated. The EGW homepage will serve as the common information base.

Dr. Lensing, who had served as secretary from the very beginning of EGW, has taken up a new position last year and therefore has terminated his services for EGW. Prof. Kobus expressed his thanks to Dr. Lensing for his efforts on behalf of IAHR. In future, Dr. Hinkelmann will serve as an additional EGW secretary. Together with Dr. Molkenhain, he will assist Prof. Kobus concerning EGW in the future.

With respect to finances, it was agreed to maintain an annual fee of 200 Euro for each institution. However, this fee has only to be paid twice for the 3 year period of October 1999 until September 2002. Fees can be waived upon request for EGW partners who have financial problems, if they propose this in the annual EGW meeting. Members who have not made any payments by the end of year 2001 will (after a last reminder) be cancelled from EGW.

## **9. Next meeting**

It was agreed to have one open EGW membership meeting each year during spring. For spring 2002, it has been suggested to hold this meeting in Thessaloniki (Greece) in view of the fact that the IAHR congress 2003 will be held in Thessaloniki and this congress will have a major focus on education. Since EGW plans to take an active role in the congress 2003 program, a meeting in Thessaloniki would offer a good opportunity to interact directly with the Local Organizing Committee headed by Prof. Ganoulis. Prof. Kalkani will contact the LOC (Prof. Ganoulis) and explore whether they are willing to host the EGW meeting 2002.

Stuttgart and Cottbus, May 30, 2001

R. Hinkelmann, F. Molkenhain, H. Kobus

## **Enclosures**

- Task List
- photograph of members of the EGW meeting in Karlsruhe (EGWKarlsruhe.tif)

## Task list

- feedback about the EGW courses in 1999 and 2000 with contents, experiences, questionnaires, recommendations should be sent to the secretaries by each **responsible course organizer** *as soon as possible*
- the **EGW partners** should send their course announcements for 2001 and 2002 by *September, 15th* as well as a flyer or a course announcement
- a list of EGW courses in preparation will be established on the EGW homepage by the **EGW secretaries** *as soon as possible*
- set up a master and PhD thesis list; **each EGW member** should establish this on his homepage and give the link to the EGW secretaries who will provide these links on the EGW homepage *as soon as possible*
- **Prof. van der Beken** will provide information about the ETNET young scientist workshop in Helsinki, a possible cooperation with EGW and financial support *as soon as possible*
- frame of graduate programs; **Prof. van der Beken, Prof. Kobus and Prof. Armanini** will distribute examples; **Prof. van der Beken** will give information about a web ring concerning graduate programs; the information will be put on the EGW homepage
- academic recognition of master and doctoral courses; this will be done partner by partner; **Prof. Kobus** will start this at Stuttgart University
- professional recognition of continuing education will have to be obtained through the various national engineering associations
- **Prof. Kalkani** will try to establish contact with the local organizers of the IAHR congress 2003 in Greece for the next EGW meeting *as soon as possible*