

## **Geotechnics of Soil Erosion**

### **International Society of Soil Mechanics and Geotechnical Engineering**

Chair: Professor Jean-Louis Briaud, USA

Secretary : Dr. Michael Heibaum, Germany

<http://www.civil.tamu.edu/Research/Scour-tc33>

## **Minutes**

Meeting in Amsterdam

October 31, 2006, from 13:00 to 17:15 h

## **Agenda**

Meeting in Amsterdam

On October 31, 2006 from 1 to 5 pm

**1. Call for attendance (Michael Heibaum)**

Which members are present, and not, attendance sheet.

**2. Introduction (Jean-Louis Briaud)**

History of TC33, how it works, and background information, review of agenda.

**3. Membership (Jean-Louis Briaud)**

Explanation of how it works, requirements for membership

**4. Feedback on ICSE-3 (Gijs Hoffmans)**

Statistics, information, problems and solutions

**5. Subcommittees (all)**

Do we wish to have subcommittees, what topics, chairs of subcommittees

**6. Projects**

Guidelines on scour and erosion

**7. Email list (Richard Whitehouse)**

Developping a list serve of the TC33 members, of TC33 members and friends.

**8. Web site (all)**

Comments on the web site.

**9. Proceedings of conferences (Meng Chiew, Gijs Hoffmans, Jean-Louis Briaud)**

How to obtain a copy (web site), one publisher?

**10. Presentations on ICSE-4 (2008) and ICSE-5 (2010)**

Power Point presentation by countries interested in hosting ICSE-4 and ICSE-5, comments by every one, vote by the members.

**Next meetings**

**Adjourn**

**1. Call for attendance**

The chairman welcomes members and guests and hands out the list of members of TC 33 as confirmed by ISSMGE.

The secretary circulates a form to collect information on attendees -11 members and 6 guests are attending, 9 members had informed the chairman about not being able to attend the meeting.

Jean-Louis Briaud, Chair (USA)

Michael Heibaum, Secretary (Germany)

Gijs Hoffmans (Netherlands)

Kiseok Kwak (Korea)

Bruce Melville (New Zealand)  
Karl Witte (Germany)  
Yee-Meng Chiew (Singapore)  
Greg Hanson (USA)  
Erik Bollaert (Switzerland)  
H. Segikushi (Japan) Saeed  
Heidari (Iran)

### **In attendance (Guests)**

Beatrice Hunt (USA)  
Richard Whitehouse (United Kingdom)  
Cathy Avila (USA)  
Bryan Barkdoll (USA)  
George Annandale (USA)  
Pham Dinh (Vietnam)

### **Regrets**

Boleslaw Klosinski  
Jeff Farrar (USA)  
Fuping Gao (China)  
Tore Valstad (Norway)  
Abdelmalek Bekkouche (Algeria)  
Robin Fell (Australia)  
Mario Ruel (Canada)  
Roger Skirrow (Canada)  
Andrea Themeli (Albania)

## **2. Introduction**

The chairman of the ICSE-3 conference, Gijs Hoffmans, gives an introduction to the conference and the venue.

All members and guests introduce themselves.

The chairman gives an introduction to TC33 and its history. The TC has to be reestablished in each presidential period of ISSMGE. Recognizing the importance of this TC, all presidents confirmed this working group, but established details according to their personal view. The current President Seco E. Pinto sends his regards to the conference and regrets not being able to attend it personally.

The agenda is accepted as proposed.

## **3. Membership**

The chairman explains the requirements for membership as given by ISSMGE. Membership is limited to approximately 2 members per country; these members have to be members of ISSMGE by being members of their respective national societies. Since approximately half of the members of TC33 consider themselves hydraulic engineer they are also members of IAHR as well as members of ISSMGE. Till now ISSMGE does not accept membership in TC33 unless the person is a member of ISSMGE. The chairman will contact the presidents of

## **4. Feedback on ICSE-3**

Gijs Hoffmans gives a short overview over the topics to be presented during the conference. Among 150 participants are 102 authors and 48 guests. After intensive discussion among the scientific committee it has been decided, not to include poster sessions but to establish 3 parallel sessions with oral presentations. Gijs Hofmanns also gave a short introduction to the intended excursions (Oostershelde storm surge barrier and Maaslandkering project). Jean-Louis Briaud expressed his appreciation to Gijs Hoffmans and his organizing committee on behalf of the committee for his excellent work in preparing the conference.

The discussion on poster sessions was continued among the assembly. Due to positive experience, some participants

supported the idea of poster presentations, on the condition that the posters are presented in an appropriate format, e.g. combining it with a get-together and not parallel to oral presentations. Positively comments were also made regarding short introductions to the posters (1-3 minutes) or introduction by a general reporter. Therefore the idea of poster sessions will be followed again when preparing the next conferences.

## 5. Subcommittees

Subcommittees had been established with the intention to intensify the work in certain topics (surface erosion, scour of foundations and dam erosion). Experience showed that this concept didn't work very well, since it proved difficult to bring the members together. E-mail contact is not enough and conference calls are not possible worldwide due to time shifts. The past years also revealed that for more than the biannual conferences there is not sufficient energy. So the subcommittee idea was abandoned and a new approach has to be sought (topic 6).

## 6. Projects

A wide discussion on the aims of TC33 took place started. It was stated that the task to organize conferences has been realized very well. The question was asked if TC33 should establish guidelines on scour and erosion. The discussion shows that due to the wide field it would not be possible to establish a manual or to compile any other complete written guidelines. The intention to provide information for countries that need help in scour design is confirmed but a format is difficult to establish. The idea to give names of persons (on the website) that can be addressed concerning certain issues was discussed but later abandoned.

It was agreed to spread information parallel to the biannual conferences. The optimal platform could be the internet (topic 8).

## 8. Web site

Due to the relation to topic 5 & 6, topic 8 was moved up.

Upon inquiry from the chairman, there were no comments on the existing web site of TC33. Therefore the Chairman asked to have a closer look at the web site in the future and to propose additional items. From the following discussion evolves the **list of actions**:

A

Briaud	update the reference list
all members (and friends)	give feed back to the web site
	Identify topics (= major categories) -give clear definitions for them
	Send major references to Briaud (e-mail) regarding topics of TC33 (to date most references are on bridge scour). Mention should be made of keywords and under which major category the reference falls.

Preliminary list of main categories:

- bridge scour
- dam erosion
- dike/levee erosion (overtopping and underseepage)



- surface erosion (exclude wind erosion, but we recognize the importance)

- meander migration (maybe included in stream stability)
- stream stability
- culverts (maybe)
- earth erosion problems

Preliminary list of keywords

- theoretical approach
- measurements
- countermeasures

It was discussed to make available scour related papers via the web site of TC33. Finally it was agreed on establishing links of web sites of third parties that might provide pdf-files.

## 7. Email list (Richard Whitehouse)

The idea established during the Singapore meeting was to develop a list serve of the TC33 members and friends of the committee. Richard Whitehouse sent emails to 67 addresses and got only 10 positive responses. It seems that the idea does not find encouraging response. Nevertheless the majority of the auditorium is in favor of having an e-mail list.

Furthermore it is discussed that administration takes quite some time, so the question arises to give it to a third party, while the moderation will be done by Richard Whitehouse. The "rivers list" and "coastal list" are mentioned as possible administration platforms. Richard Whitehouse will check if and how it can be done.

**Action:** Richard Whitehouse checks how to take benefit from the above named lists - he asks for a reminder after one month – J-L. Briaud will send him an e-mail **Action:** Cathy Avila mentions a service in the US – she will contact Richard Whitehouse.

## 9. Proceedings of conferences

It is the objective of the committee that a person who is interested in proceedings of the conferences should be able to get it.

It is stated that for the Melbourne Symposium and ISCF1 J.-L. Briaud can be addressed, for ISCE2 Y.M. Chiew, for ISCE3 the CUR (J.L. Briaud will put the addresses on the website).

**A Action:** Y.-M. Chiew and Gijss Hoffmans send the related e-mail addresses to J.-L. Briaud. The format of future conferences is discussed with the aim to achieve a uniform format. A majority prefers to hand out to every participant a CD and to offer upon demand (together with registration) a printed version of the full texts. All agree on the idea that printed proceedings should be available to the public (via central and university libraries). The remaining problem is how to make sure that at least central libraries will achieve a printed copy.

**Action:** J.-L. Briaud checks, if libraries get automatically all books published.

It is decided to prepare guidelines for conferences. A task force of those who have done/will do conference organizations will be called together by the chairman. J.-L. Briaud will write a draft that will be finalized by the task force and will be sent to the members for discussion.

**Action:** J.-L. Briaud prepares the draft.

## 10. Presentations on ICSE-4 (2008) and ICSE-5 (2010)

Two presentations are given to propose the venues of the following conferences

H. Sekiguchi presents the capital of Japan, Tokyo, as venue for ICSE-4 in 2008 (in early November) and gives an overview over erosion problems in Japan.

Cathy Avila, presents San Francisco as venue for ICSE-5 in 2010 (also in early November).

Both proposals are accepted unanimously.

A discussion followed on the format of 2 or 3 parallel sessions and 2 or 3 days. It is decided to leave it to the organizing committee since they take the financial risk. Nevertheless less parallel sessions (and therefore one day longer) is preferred by the majority.

## Next meetings

**Adjourn**

The chairman thanks all members and friends for their effort and closes the meeting.

Jean-Louis Briaud Michael Heibaum Chairman Secretary

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