



INTERNATIONAL SYMPOSIUM ON

“DAMS IN GLOBAL ENVIRONMENTAL CHALLENGES”

Organized by the CIGB-ICOLD Organizing Committee for
ICOLD BALI 2014
during the 82th Annual Meeting

Invitation from Chairman of Organizing Committee and President of INACOLD

Dear ICOLD Members,

On behalf of The Indonesian National Committee on Large Dams (INACOLD). I would like to extend our invitation to participate in the 82nd Annual Meeting of ICOLD. The event will take place in Bali on 2-6 June 2014 at Bali Nusa Dua Convention Center (BNDCC).

Along with the history of ICOLD, Indonesia has been recorded as member country of this world prestigious organization. For Indonesia, this is the second time we have been entrusted to host such an important event of ICOLD. The first one was in Jakarta in 1986. I believe that through this important event, we will be able to show you the whole set of our experience in implementing the country's development and management in large dams in particular and in the water resources development in general.

The selection of Bali as the venue of the meeting is not just because of its reputation as a tourist destination, but more than that, it has proven record of hosting various kinds of international events. It is also an opportunity to see boundless variety of unique sceneries as well as countless traditional and cultural heritages.

Our Social programs are designed to provide you with unique opportunities to taste and feel the best of Bali's hospitality and its unique culture, through various exciting and full-filled activities held before, during and after the event. To complement these, the distinct culturally rich province offers an extensive range of hotels, exquisite cuisines, fascinating sceneries, a genuinely friendly and charming people practicing an authentic ancient heritage culture and almost unlimited recreational and cultural options.

We trust that the time you spend with us in Bali will be most rewarding, which leads to many experience and friendships. We are looking forward to welcoming you to the 82nd Annual Meeting of ICOLD and hope that your participation will be productive as well as memorable.

Dr. M. Basuki Hadimuljono

Chairman of INACOLD



Preface

The International Symposium, with the main theme on DAMS IN GLOBAL ENVIRONMENTAL CHALLENGES, conducted in 4th June 2014, is one among the events in the 82nd Annual Meeting of the International Commission on Large Dams in Bali, Indonesia. It is a great honour to have all ICOLD delegates and dam experts, professional managers, as well as decision makers from the international dam community to participate in the international symposium. The objective of the symposium is to collect the knowledge of the latest development from the dam experts from various field of expertise to share with dam engineers in developed and developing countries, and to transfer especially to young dam engineers to ensure the dam engineering sustainability.

The topics in the international symposium are listed as follows:

1. Social and environmental aspects of dam,
2. Engineering issues in dam development,
3. Challenging in tailing dam project,
4. Dams and water quality management,
5. Catchment area management for sustainable dam development,
6. Challenges in dam safety policy and implementation,
7. Dam operation in connection with climate change.

We have received 532 papers from 53 countries related to the theme and the topics. These papers were evaluated by national reviewer as well as international reviewer, involving experts related to dam engineering and environment from various countries. The result is that 246 high quality papers, of which 146 papers are presented in oral session and 81 papers presented on poster session.

We also provide awards for the best paper and presenter among young engineers to encourage their further involvement in the dam engineering, development, and management. We hope, the presentations and discussions are fruitful, and further provide contribution to the future sustainable dam engineering.

Bambang Hargono

Chairman of the Symposium and Workshop Committee,
The 82nd Annual Meeting of ICOLD, 2014, Bali.



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Widagdo
Tri Bayu Aji

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Ade Karma
Wida Firlayan Tirtani
Rudi Resmiyadi
Deni
Feby Choirul Humawardi

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Prof. Iwan K. Hadihardaja
Prof. Hidayat Pawitan
Prof. Indratmo Soekarno
Prof. Nadjadji Anwar
Prof. (R). Simon S. Brahmana
Prof. (R). Robert Delinom
Dr. Arie Setiadi Moerwanto
Dr. F. Mulyantari
Dr. William Putuhena
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Dr. Mochammad Amron
Dr. Barti Setiani Muntalif
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Bambang Koeswidodo
Moegijantoro
Zainudin
Widagdo
Sri Hetty Susantin
Husni Sabar
Rismatoyo

International Reviewer,
Stephen Fox (Australia)
C.B. Viotti (Brazil)
Anton J. Schleiss (Swiss)
Xu, Ze Ping (China)
Jian, Ping Zhou (China)
V.K. Kanjlia (India)
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Pham Hong Giang (Vietnam)
Ali Noorzad (Iran)

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