



SANCOLD

SANCOLD NEWS 2013.10.01

NEWSFLASH!

South Africa has been selected as the host country for the 84th ICOLD Annual Meeting which will be held in Sandton, Johannesburg from Sunday 15 May to Friday 20 May 2016.

81ST ICOLD Annual Meeting, Seattle, August 2013

Some 19 South Africans attended the recent ICOLD Annual Meeting in Seattle. A full report on this event will be presented by the SANCOLD Chairperson at the forthcoming AGM. Some of the highlights were:

- 1200 participants from 70 countries attended;
- South Africa presented its hosting proposal for ICOLD 2016 and was selected. More detail of the event will be provided to members in the future;
- The Questions for the ICOLD Congress in Norway in 2015 were selected and Dawid van Wyk of South Africa served on the Editorial Committee which refined the final wording of the Questions (see detail below and the Call for Papers);
- Guinea Bissau from Africa was elected as the 96th member of ICOLD;
- A new Committee on Multi-purpose dams and reservoirs was formed on which South Africa has representation;
- South Africa is now a member of the Committee on Integrated Operation of Hydropower Stations and Reservoirs and our representative is Leon Furstenburg;
- An innovation was introduced at the Annual Meeting by the US Committee to increase the technical content of the week. Technical workshops were held on a variety of topics and it appears as if this found a favourable response and ICOLD will probably implement this feature in future Annual Meetings;
- The young engineers played an important role in the week and some 150 young engineers attended;
- The African Regional Club meeting was held and was chaired by ICOLD Vice-President Gerrit Basson of South Africa. The ARC website is <http://academic.sun.ac.za/icold-africa> ;
- The one-day Symposium was well organised and South Africans submitted 5 papers. We were fortunate also in that 5 persons from South Africa made presentations.

Selected photographs of the event are shown below.



81st General Assembly in Seattle



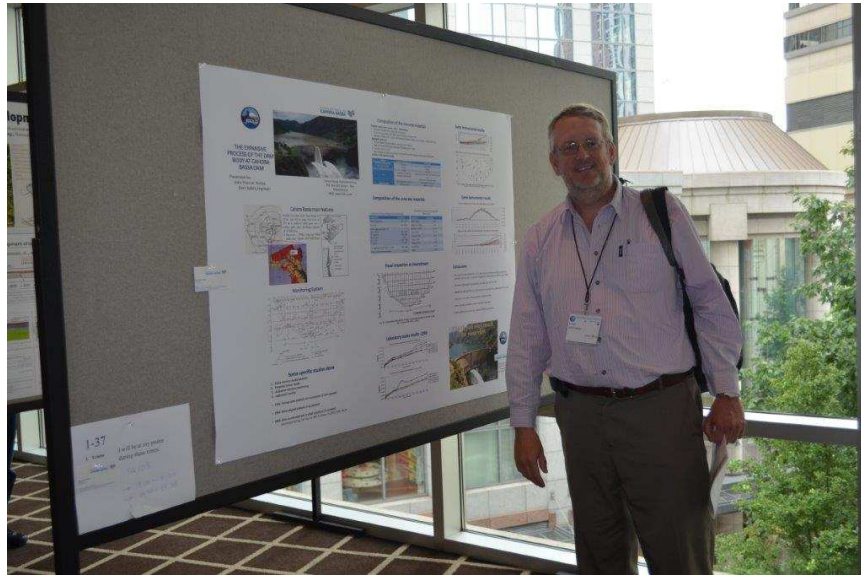
Chairperson Danie Badenhorst and Vice-Chairperson Ivor Segers



Danie presenting South Africa's Hosting Invitation for 2016



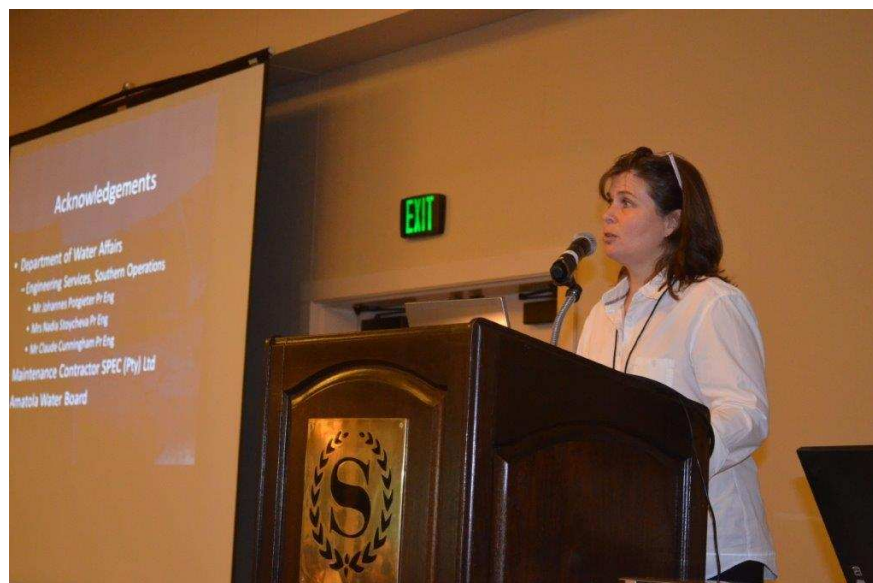
African Regional Club meeting with ICOLD President Nombre in the foreground and Vice President Gerrit Basson on the left



Louis Hattingh with his poster presentation



Ivor Segers presenting his paper at the Symposium



Henriette Anderson presenting her paper at the Symposium



SANCOLD Members waiting for a table for the SA evening dinner

SANCOLD Conference 2013: Registration closes on 7 October

Please note that registration for this Conference closes on 7 October.

Details of the SANCOLD 2013 Conference have been circulated to SANCOLD Members and are on the SANCOLD website. The Conference will be held at the Black Mountain Hotel in Thaba 'Nchu, between Tuesday 5 and Thursday 7 November 2013. This is an ECSA Continuing Professional Development (CPD) accredited event. This Conference is a Category 1 activity and offers 3.0 credits. The theme of the Conference is *Advances in Dam Technology for Water and Energy in Southern Africa*. We have just over 50 papers on a variety of topics. The SANCOLD AGM will be held on Tuesday 5 November 2013 in the afternoon. So far we have 135 registrants who will be attending the Conference and hope for more in the next few days!

The Conference will include a one-day study tour to the Metolong Dam in Lesotho. Construction began in early 2011. The project entails the construction of a 73-m high roller compacted concrete dam with a 210-m crest length on the south of Phuthiatsana River, about 35 km from Maseru, and a multi-stage raw water intake and pump station



Metolong Dam under construction

SANCOLD Management Committee Elections

The election process for the filling of two vacant positions will commence with the call for nominations in October. The call for nominations has already been sent out to members with a closing date of 1 November. I hope that we will have a good response.

SANCOLD Scholarship 2014

The SANCOLD Scholarship for post-graduate studies in fields related to dam engineering has been advertised at the major academic institutions. Detail is on the SANCOLD website. **Applications close on 31 October 2013.**

SANCOLD Annual Meeting

The SANCOLD Annual Meeting will be held during the SANCOLD Conference on **5 November 2013**. The Agenda will be sent by e-mail to all members together with this edition of SANCOLD News. The minutes of the AGM 2012 are on the SANCOLD website.

ICOLD 2014 Annual Meeting: Bali, Indonesia

The next ICOLD Annual Meeting will be held in Bali from 1 to 6 June 2014. Details are on the website www.icold2014bali.org. The theme of the Symposium is *Dams in Global Environmental Challenges*. A Call for Papers has been issued with the following broad programme:

- Abstract submission 1 December 2013
- Authors notified of acceptance 20 January 2014
- Final paper due 20 March 2014
- Notification of oral presentation 30 April.

Prospective authors are to please send in their abstracts directly to the Symposium organisers with a copy to the SANCOLD Secretary.

ICOLD 2015 Congress: Stavanger, Norway: Call for Papers

The 25th ICOLD Congress will be held in Stavanger from 14 to 19 June 2015. Some preliminary details are on the website www.icoldnorway2015.com. The four Questions for the Congress were determined in Seattle as discussed above. The Questions are:

QUESTION 96

INNOVATION IN UTILISATION OF DAMS AND RESERVOIRS

- Innovation in the role of dams and reservoirs (energy storage, offchannel storage, dams in the sea, ...)
- Multipurpose dams and reservoirs to address global changes and integrated water resources management requirements (planning, design and operation)
- Small dams and low earthfill dams (needs, peculiarities of design, construction and monitoring, new solutions)
- Needs in capacity building and development of dam engineering profession to insure sustainability of knowledge and experience

QUESTION 97

SPILLWAYS

- Uncertainties in flood evaluation: impact on spillway and dam design
- Dam failures or incidents linked to gate operation: reasons and case histories
- Gated or ungated spillways or combinations thereof
- Additional discharge facilities to existing dams and overtopping management

QUESTION 98

EMBANKMENTS AND TAILINGS DAMS

- High rockfill dams issues : innovative designs of various dam types (earth or asphalt core, CFRD, ...)
- Internal erosion: analysis, monitoring, remedial measures
- Foundation risks: failure case histories, recent progress and solutions
- Design and performance of interfaces between embankments and concrete structures
- Tailings dams: recent progress, risks, risk reduction methods, height limitation

QUESTION 99

UPGRADING AND RE-ENGINEERING OF EXISTING DAMS

- Heightening of crest or operational levels
- Desilting methods (flushing, dredging, excavation, ...)
- Decommissioning: methods, costs, impacts
- Upgrading of monitoring system and re-instrumentation

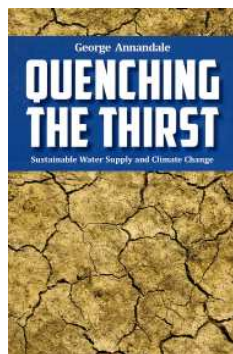
Papers have to be submitted via the respective National Committee which is responsible for vetting the paper and ensuring that it complies with the Guideline for the Preparation of Papers. Papers must be submitted by **17 October 2014 to the ICOLD Central Office**. There are limitations on the number of papers which each National Committee may submit and we have a limitation of 22 papers and a maximum of 8 per Question. Note that there could be a financial implication for the authors as there is a limitation on the total number of free pages per question of all papers and if exceeded then ICOLD levies a charge. The following time schedule will apply:

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| • Call for Papers in SANCOLD News | 1 October 2013 |
| • Submission of Abstracts (150 words max) to SANCOLD | 15 December 2013 |
| • Approval of Abstracts by SANCOLD | 15 January 2014 |
| • Submission of Papers to SANCOLD for review & editing | 31 July 2014 |
| • Submission of Papers to ICOLD before | 17 October 2014 |

SANCOLD has the ICOLD Guideline for Authors which will be provided to prospective authors on request. SANCOLD would encourage the dam industry to submit papers as we wish to make an important input at the forthcoming Congress.

Book on Sustainable Water Supply and Climate Change by George Annandale

During the ICOLD Annual Meeting in Seattle, we met up with George Annandale who now lives in Denver, Colorado. George has written a book on the above subject. The new book, "*Quenching the Thirst*", deals with sustainable water supply and climate change. It offers a compelling and complete argument explaining why dams and large storage reservoirs are indispensable to reliably and sustainably supply water in an era of climate change. It also provides guidance on how we can design and operate those facilities to reliably supply fresh water in perpetuity. The book is priced modestly at about \$20 and is available from Amazon or his webpage www.amazon.com/author/georgeannandale Annandale, George. 2013. *Quenching the Thirst: Sustainable Water Supply and Climate Change*, CreateSpace Independent Publishing Platform, Charleston, SC. ISBN-10: 1480265152



With kind regards and I look forward to comments on this SANCOLD News and SANCOLD's activities.



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