



SANCOLD NEWS 2012.3.3

There are a number of important SANCOLD and ICOLD activities to report on in this edition. I will highlight the most important aspects below:

SANCOLD Management Committee 2012

The SANCOLD Management Committee met for the first time in the new year on 21 February and the draft minutes of the meeting will be posted on the SANCOLD website in the Members Section. The meeting covered a large range of topics, the foremost being:

- Co-option and election of Office Bearers;
- SANCOLD Programme 2012;
- ICOLD Committees and SANCOLD Working Groups;
- Membership matters;
- SANCOLD publications;
- SANCOLD Annual Event 2012;
- 80th ICOLD General Assembly, Kyoto, 2012;
- Hosting of the ICOLD Annual Meeting 2016 in South Africa.

I have reported on several of these items below.

SANCOLD Website: www.sancold.org.za

The website was unfortunately hacked and has been out of action for a while. The site is being revamped and will include various security features. Please visit the site when it is operational and let us have your comments. We have in the process done a lot of updating of information and have added a lot of new content such as:

- Lists of SANCOLD Corporate and Individual Members;
- ICOLD 2016;
- SANCOLD publications;
- Improved document archives
- ICOLD Committees and SA representation and Working Groups;
- Management Committee structure and descriptions of Committee Members.

Co-option and election of Office Bearers

The SANCOLD Management for 2012 is given in the tabulation below.

SANCOLD Management Committee 2012

No	Name	Organisation	Term * of Office	Remarks
1	B Mwaka	DWA (P&R)	2013	Reserved position.
2	Vacant	DWA (NWR)	2014	Reserved position DWA to nominate
3	T Tente	SAICE	2012	Reserved position. Alternate Dr E Vorster
4	G Basson	HESA	2014	Reserved position HESA re-nominated
5	D Badenhorst	BKS	2012	Elected in 2009 for a 3-year term
6	WS Croucamp	DWA	2012	Elected in 2009 for a 3-year term
7	Q Shaw	ARQ	2012	Elected in 2009 for a 3-year term
8	M van den Berg	ARQ	2012	Elected in 2010 for a 2-year term <35 years
9	I Segers	DWA	2013	Elected in 2010 for a 3-year term <35 years
10	D van Wyk	Aurecon	2013	Elected in 2010 for a 3-year term
11	K Legge	DWA	2014	Elected in 2011 for a 3-year term
12	D Cameron-Ellis	ARQ	2014	Elected in 2011 for a 3-year term
13	P Pyke	DWA	2012	Co-opted for 2012 (Financial)
14	D Grant-Stuart	Knight Piésold	2012	Co-opted for 2012 (Tailings Dams)
15	CPR Roberts	-	Contract	Externally appointed Secretary.

The SANCOLD Executive Committee (Exco) consists of the Chairperson, Vice-Chairperson, Secretary and Treasurer and additional members as the Management Committee may determine. The Exco 2012 consists of the following persons and the Office-Bearers 2012 are:

- Danie Badenhorst (Chairperson)
- Ivor Segers (Vice-Chairperson)
- Peter Pyke (Treasurer)
- Paul Roberts (Secretary)
- Ms Michelle van den Berg
- David Cameron-Ellis

SANCOLD Programme 2012

The SANCOLD objectives for 2012 were originally developed during 2010. The document has been updated in the light of the Annual Meeting on 8.11.2011. Some of the proposals have budgetary implications. The proposals are:

1. Meaningful participation in ICOLD activities and the forthcoming ICOLD Annual Meeting and Congress.
2. Strengthen the functioning of the SANCOLD Working Groups
3. Attract additional Corporate and Individual Members.
4. SANCOLD Scholarship: Regular contact with the scholarship-holder.
5. Preparations for the development of a guideline on floods.
6. Preparations for the development of a guideline on risk analysis.
7. Preparations for the development of a publication on *Your Dam* which will focus on the operation and maintenance of small dam and written for the owners of such dams.
8. Development of a guideline for the application of geofabrics in embankment dams.
9. Improvement in the dissemination and sales of SANCOLD and ICOLD publications.
10. Continued interaction with members particularly via the regular SANCOLD News and the website.
11. Promote the sale of advertisements on the website.
12. Preparations for the 2012 Annual SANCOLD Event and AGM which will be held in conjunction with a course related to dams as well as a visit to a dam.
13. Promote the hosting of the ICOLD Annual Meeting in 2016 in South Africa.
14. Promote sponsorships and link to item 13.
15. Targeted marketing of SANCOLD.

SA Representation on ICOLD Committees and SANCOLD Working Groups

SANCOLD participates in a number of ICOLD Committees as shown in the updated list given below. Some of the participation is as a corresponding member where inputs are made via correspondence. The SANCOLD Management Committee considered that it is desirable to form SANCOLD Working Groups for those Committees where there is a need for such participation in order to support the South African representative. An invitation is extended to SANCOLD Members to volunteer for participation in these Working Groups. This is an arrangement which encourages direct participation in SANCOLD and ICOLD activities. Please submit your name to the SANCOLD Secretary and the Working Group/s you would like to participate in.

SANCOLD Membership Fees 2012

The SANCOLD Management Committee approved that the following membership fees will apply in 2012:

- Corporate Members R3250-00
- Individual Members R325-00

All invoices have been sent out and so far we have received only about a 40% return of fees. An appeal is made to those members who have not paid to settle your account urgently. Please comply with the instructions regarding the referencing and payment confirmation given on the invoice. Unnecessary costs are being incurred by SANCOLD in following up outstanding fees.

SA representatives on ICOLD Committees and SANCOLD Working Groups 2012

No	Committee Name	Term	SA Representative	SANCOLD Working Group
C	Committee on Hydraulics	2009-2013	Dawid van Wyk	Dr Andre' Bester
D	Committee on Concrete Dams	2009-2012	Q Shaw	J Kroon H-J Wright A Botha
E	Committee on Embankment Dams	2010-2014	D Badenhorst	H Elges Johan Beukes K Legge (Geofabrics)
F	Committee on Engineering Activities Associated with the Planning Process for Water Resources Projects	2011-2014	S Mabuda	
New	Committee on Dam Surveillance	2009-2011 ¹	Dr C Oosthuizen	A Botha
H	Committee on Dam Safety	2010-2012	I Segers	Dr C Oosthuizen L Hattingh L van den Berg Bongani Sibanda
L	Committee on Tailings Dams	2011-2014	Duncan Grant-Stuart	
M	Committee on Operation, Maintenance and Rehabilitation of Dams	2007-2011 ²	PD Pyke (Vice-Chairman)	L Moloï
O	Committee on the Register of Dams & Documentation	2011-2014 ³	Mr Bertrand Collet	Leo vd Berg from the Dam Safety Office (DSO).
Q	Committee on Dams for Hydroelectric Energy	2007-2012	L Furstenburg	Janus Basson John Sawyer
Z	Ad Hoc Committee on Capacity Building	2009-2012	[K Wall]*	

Representation cannot be changed in the case of an **ad hoc committee**. SANCOLD Working Group members make inputs into the ICOLD Committee via the SANCOLD Representative.

1. Term of office to be extended in 2012 with a new ToR.
2. Future of Committee uncertain at present and will be resolved before Kyoto meeting.
3. SA has applied for formal membership of this Committee (July 2011).

SANCOLD Publications

SANCOLD, in conjunction with the Water Research Commission released the **SANCOLD Guideline on Freeboard for Dams** at the SANCOLD Conference in November 2011. The publication is distributed by the WRC.

SANCOLD is currently busy making preparations for the following publications:

SANCOLD Guideline on Floods: In response to the adoption of the Dam Safety legislation, SANCOLD in 1990-91 took the initiative to develop technical material and guidelines to assist professionals active in the field of dam engineering in the execution of their responsibilities. The list of publications by SANCOLD includes the following:

- Flood Hydrology for Southern Africa, by WJR Alexander
- Interim Guidelines on Freeboard for Dams, August 1990
- Guidelines on Safety in Relation to Floods, December 1991.

At the time of publication there was a very real recognition that further research and the gathering of experience over the years would require future revision of these documents. The SANCOLD Management Committee resolved that the time has come to consider the need for a revision of the above-mentioned publications related to floods. There was also a specific request at the 2010 Annual Meeting for such an update. It is pleasing to report that the WRC engaged the University of Pretoria (Prof Fanie van Vuuren) to undertake a scoping study and to make research recommendations. It is the intention to convene a meeting of interested hydrological experts to discuss the report and to provide inputs. It is then hoped that the WRC will fund a research project for the further development of the Guideline. Management Committee Member Willie Croucamp is leading the initiative on behalf of SANCOLD.

SANCOLD Guideline on Risk Analysis:

SANCOLD wishes to update the previous work on risk analysis approach towards the safety of dams. The approach is that the WRC would have a comprehensive Project on the topic. The WRC Project has not yet started due to lack of funds, but a number of post-graduate studies are underway on various topics related to the matter at different Universities. SANCOLD Member Louis Hattingh is closely involved in the matter. It is hoped that the WRC Project will start soon. SANCOLD Member Dr Chris Oosthuizen is leading the initiative.

SANCOLD Publication on *Your Dam*: The Dam Safety Office (DSO) has a 1990 publication entitled *Your Dam*. This publication has several frequently asked questions which a small dam owner would typically ask. The proposal is to review this publication and issue it as a SANCOLD document which could include other questions like how do you join SANCOLD etc. The DSO will then distribute the publication to dam owners. In short this is a win-win situation for the Dam Safety Office and SANCOLD. It was agreed that SANCOLD would develop this document as a new publication as it also provides a marketing opportunity for the organisation. The document needs to be succinct and a pdf version should also be available on the SANCOLD website for downloading. Management Committee Member, Kelvin Legge, is leading the initiative.

SANCOLD Guideline on the Application of Geotextiles in Embankment Dams:

SANCOLD will produce a document on Geotextiles for Embankment Dams and ICOLD may then adopt it as a Bulletin. The draft document is about 80% complete and should be complete in April/May 2012. Inputs have been received from a range of South African experts. Mr Kelvin Legge is leading the initiative.

SANCOLD Annual Event 2012

SANCOLD holds an Annual Event in the form of a Conference, Symposium or Course. The Annual Event is combined with a site visit to a dam. The SANCOLD Annual General Meeting is held during the Event and provides an opportunity for the Membership to make inputs into the organisation. During the Annual Meeting, the SANCOLD Chairperson delivers an Annual Report and Minutes of the meeting are compiled. Past Annual Reports and Minutes are archived on this website.

The SANCOLD Annual Event for 2012 will take the form of a **Course** and will be held in **Pietermaritzburg towards the end of July 2012**. A site visit will be made to the **Spring Grove Dam** where the RCC construction will be underway. More detail to follow.

SANCOLD Scholarship

SANCOLD scholarships assist post-graduate students to undertake studies and research in the general field of Dam Engineering and to take advantage of the best possible training opportunities in South Africa. These scholarships will allow the holder's mobility, as well as the freedom to select supervisors in their chosen fields. The purpose of these scholarships is to support persons who are committed to contributing significantly to research, teaching and professional practice in the field of Dam Engineering in their future careers.

The scholarship for 2012 to 2013 has been awarded. The scholarship-holder is Guy Robertson who is studying for his Master's degree at the University of Stellenbosch.



Guy Robertson

Guy wrote in his application: *I chose to further my education by participating in Master's studies as I believe I have much to learn from and contribute to the field of hydraulics and dam engineering. I enjoy problem solving and look forward to indulging in research within my field of choice and contributing to the ever increasing knowledge bank that exists within South Africa. Having worked*

under dam specialists at MBB Consulting Engineers I believe I have gained an appreciation for dam engineering. With a special interest in water supply, management and methods to efficiently store water I am excited about the opportunity to make use of the facilities available at Stellenbosch University for me to pursue this passion under a supervisor, Prof Gerrit Basson, with vast experience and knowledge.

ICOLD 80th Annual Meeting and 24th Congress: Kyoto, Japan

The arrangements for the Annual Meeting and Congress are in place. The Final Bulletin giving the Registration Form and costs is available on the website www.icold2012kyoto.org. The Annual Meeting and Congress will be held from 2 to 8 June 2012. It is pleasing to report that SANCOLD has submitted 12 papers for the Congress. If you are going to attend the event, please inform the SANCOLD Secretary of the fact. We need this information for co-ordination purposes. I have received the following information from the Japanese Organising Committee:

Dear National Committees of ICOLD and colleagues

I am pleased to inform that thanks to cooperation from ICOLD National Committees and colleagues, preparation for ICOLD 2012 Kyoto is on schedule with 200 participants already registered.

I would like to ask your further assistance to encourage registration for the conference. Please refer to the website below for registration details. <http://icold2012kyoto.org/index.html>

<Early registration dead line>

Participants can enjoy early discount of registration fees if completed by the end of February. Please note that payment must be finalized by 7th of March, otherwise discount does not apply.

<Visa to Japan>

Participants are requested to check whether visas to Japan are necessary.

Participants need to register and settle fees before JCOLD can issue an invitation letter.

<International Symposium>

Scientific Committee will release results of the final review and presentation categories to authors by mid-February.

Authors are requested to register and settle registration fees by 15th of March to confirm oral presenters and paper publications.

<Pre-meeting Study Tour>

Participants should confirm their travel itinerary (including flights and accommodations) in order to correspond with the Pre-meeting Study Tour plan.

Tour in China (plan and implementation by CHINCOLD)

27th May: Meeting at Minsheng Hotel, Yichang City

30th May: Disperse at Yichang Three Gorges Airport

Participants are requested to arrange travel to Yichang and from Yichang to Kyoto.

Please note that visas need due processing time, which is expected to take a while.

Tour in Korea

28th May: Meeting at Grand Hyatt Seoul

31st May: Leave Bussan for Kyoto, arrive at official hotel

Participants are requested to arrange travel to Soul. Travel to Kyoto is included in the tour plan.

Dr. Tadahiko SAKAMOTO

President of JCOLD

Chairman of Organizing Committee for ICOLD 2012 Kyoto

Nomination of ICOLD Vice-President for Africa

SANCOLD is pleased to announce that Prof Gerrit Basson has agreed to stand as a candidate for this election which will take place in Kyoto in June this year. The Nigerian National Committee has kindly agreed to nominate Gerrit to this important position.



Gerrit Basson

The nomination letter which has been sent to the ICOLD Central Office by the President of the Nigerian Committee on Large Dams, Mr Imo Ekpo reads as follows:

Mr Michel De Vivo
Secretary General
ICOLD

27 February 2012

Dear Mr De Vivo,

Election of Vice-President: Africa for the term 2012 – 2015

On behalf of the Nigerian Committee on Large Dams, I have the pleasure to nominate Professor Gerrit Basson from South Africa as a candidate for the post of Vice-President: Africa, in accordance with Section VI (3) of the Constitution and Section F of the ICOLD Bye Laws.

I enclose the Curriculum Vitae and Key Objectives of Professor Basson and will not repeat their content, other than to summarise his attributes which make him an excellent candidate for the Vice-Presidential position. I enclose also a letter from the South African National Committee on Large Dams (SANCOLD) confirming their support of the nomination.

The African Zone is facing major challenges and requires a person with special skills for its growth and development within the ICOLD community. Since the Constitutional change in 2012, Africa has become a Zone on its own with 22 ICOLD member countries. African water and hydro-power resources are, generally, poorly developed and ICOLD can contribute greatly in this regard. Capacity building is a prerequisite and a good start has already been made by Past Vice-President Nombre.

Professor Gerrit Basson has a number of characteristics which make him highly suitable for the position of Vice-President: African Zone as follows:

- He is a mature engineer with a number of academic qualifications and some 25 years of academic and consulting experience;
- He has been closely involved in ICOLD activities for over twelve years, mainly in the field of sedimentation where he served as Chairman of the Committee on Sedimentation;
- He has published widely both in ICOLD and other places;
- Gerrit Basson has had various contacts with other international organisations which will assist ICOLD in achieving its strategic goal of improving international co-operation;
- Dr Basson has worked in a large number of African (and other) countries and this will be of great benefit to ICOLD due to the various personal contacts he has in these countries;
- Gerrit Basson has set out his key objectives during his term of office, if elected, and these are vital for the developing African Zone and for ICOLD.

The Nigerian Committee on Large Dams, therefore, wishes to nominate Gerrit Basson for the position of ICOLD Vice-President for the African Zone for the period 2012 to 2015. We are sure that he will be a great asset to ICOLD, its Board and to the African Zone.

With kind regards,

Imo Ekpo

President: Nigerian Committee on Large Dams

ICOLD Publications and Website

ICOLD took a decision in 2009 regarding easier (and cheaper) dissemination of its publications. This will be done via the revamped ICOLD website (www.icold-ciqb.net). A password has been issued to each National Committee which allows access to the Members' Section on the website and also for free downloading of ICOLD Bulletins (reports). Any SANCOLD member who requires this access must apply to the SANCOLD Secretary for the password. The password and terms and conditions will then be sent to the member. The password will be changed each year by the ICOLD Central Office for security reasons.

Hosting of the ICOLD Annual Meeting 2016 in South Africa

The South African National Committee (SANCOLD) makes public its intention to bid (in 2013) for the hosting of the ICOLD (International Commission on Large Dams) Annual Meeting in South Africa in 2016. The International Commission on Large Dams (ICOLD) is a non-governmental organisation that provides a forum for exchange of knowledge and experience in dam engineering, construction and operation at the international level. The Organisation leads the profession in ensuring that

dams are built safely, efficiently, economically and without detrimental effects for the environment. ICOLD has some 95 member countries and holds an Annual Meeting each year in a different country. A Congress is also held every three years. South Africa has hosted the following ICOLD events:

- 1978 Annual Meeting in Cape Town;
- 1994 Annual Meeting and Congress in Durban.

Typically some 600 to 1000 delegates attend the Annual Meeting plus 200 to 300 Accompanying Persons. See the ICOLD website www.icold-cigb.net for detail. The last ICOLD Annual Meeting was held in June 2011 in Lucerne, Switzerland.

SANCOLD is the National Committee which represents South Africa on ICOLD. SANCOLD has some 40 corporate members and 120 individual members.

The week-long ICOLD Annual Meeting consists of the following elements:

- Various meetings of ICOLD Committees and the General Assembly;
- One-day Technical Tours;
- A one-day Symposium;
- A Technical Exhibition;
- Local touristic tours;
- Cultural and social events.

Pre- and Post-Meeting Study Tours (each with a duration of 3 to 5 days) are also to be arranged in South Africa and neighbouring countries.

SANCOLD is already far advanced with planning for the event and will keep the Membership informed of progress. The ICOLD Annual Meeting will be held in Johannesburg, probably in May 2016 if our hosting bid is accepted. The hosting of the ICOLD Annual Meeting in 2016 offers many benefits to SANCOLD Members such as international exposure and commercial activities with many of the international delegates.

SANCIAHS National Hydrology Symposium (1-3 October 2012, Pretoria)

The Registration for the 16th SANCIAHS National Hydrology Symposium is now live. Please visit the SANCIAHS webpage www.up.ac.za/sanciahs and register online.

International Symposium on RCC

The Spanish National Committee on Large Dams (**SPANCOLD**), the Chinese National Committee on Large Dams (**CHINCOLD**), and the Spanish Institute of Cement and its Applications (**IECA**) are organizing the **6th INTERNATIONAL SYMPOSIUM ON ROLLER COMPACTED CONCRETE (RCC) DAMS**, that will be held in **Zaragoza, SPAIN, 23-25 October 2012**. More details in the website: <http://www.spancold.es/RCC2012>

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

Paul Roberts Pr Eng

Secretary: SANCOLD