



SANCOLD ANNUAL REPORT 2012

The year 2012 was devoted to the achievement of objectives set by SANCOLD and to the extension of various local and international initiatives. The 2012 Management Committee structure is given below.

SANCOLD Management Committee 2012

No	Name	Organisation	Term * of Office	Remarks
1	B Mwaka	DWA (P&R)	2013	Reserved position.
2	W vd Westhuizen	DWA (NWR)	2014	Reserved position
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	Ms M Blaeser	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.

Notes:

* The term of office is defined from the November 2009 elections. A one-year term is denoted as 2010.

The SANCOLD Management Committee decided in terms of the Constitution that the 2012 elections will again be conducted via an electronic nominating and voting process as it offers the wider membership an opportunity to participate. Members are encouraged to participate in this election. Four positions are being contested and one of the reserved positions has to be filled by nomination from the respective organisation as reflected in the table above. Requests for nominations will be sent out in early October and the electoral process should be completed by the end of November 2012.

The Management Committee set the following objectives for 2012:

1. Meaningful participation in ICOLD activities and the ICOLD Annual Meeting and Congress in 2012.
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 owners of such dams.
8. Development on a guideline for the application of geo-fabrics 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 Meeting which will be held in conjunction with a course or symposium related to dams as well as a visit to a dam.
13. Promote the hosting of an ICOLD Annual Meeting in 2016.
14. Promote sponsorships and link to item 12.
15. Targeted marketing of SANCOLD.

Membership increased slightly during the year as follows:

Membership Class	2010	2011	2012
Corporate	46	47	46
Individual	112	126	141

Members are requested to encourage colleagues and organisations to join SANCOLD.

SANCOLD focussed on a number of local matters during the year, the foremost being:

- Formation of SANCOLD Working Groups related to ICOLD Committees on which SANCOLD has representation;
- Completion of the SANCOLD Guideline on Freeboard for Dams in collaboration with the Water Research Commission. These Guidelines were released at the SANCOLD Annual Event in 2011 and it is pleasing to report that the demand for the publication is so large that the Water Research Commission is reprinting a further batch;
- Relevant information to members via SANCOLD News and direct e-mailing;
- Publication of SANCOLD information in local and international journals.
- Award of a post-graduate scholarship in dam engineering for 2012 and contact with the scholarship holder;
- Revamping the SANCOLD website and improving security aspects. Particular appreciation is expressed to our Webmaster Dr Andre' Bester for all the hard work in this regard;
- Organisation of the 2012 SANCOLD Annual Event;
- Organisation of a specialist workshop in conjunction with the Water Research Commission and the University of Pretoria on the proposed revision of the Guidelines on floods for dams. A meeting of experts was held in May 2012 and this has assisted Prof Fanie van Vuuren of the University of Pretoria in finalising his document on research recommendations. We are hoping that this initiative will lead to a co-ordinated research programme on flood hydrology and the eventual updating of the SANCOLD Guideline;
- Participation in the book launch for the publication by Lani van Vuuren entitled *In the Footsteps of Giants – Exploring the history of South Africa's large dams*. SANCOLD played a prominent role during the function and Chairperson Danie Badenhorst delivered an address. He was followed by Theo van Robbroeck, Honorary ICOLD President who delivered a keynote address. The book is beautifully produced and has many photographs and interesting anecdotes. Congratulations to Lani! The book is obtainable from the Water Research Commission.
- 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. 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 2012. Inputs have been received from a range of South African experts. Mr Kelvin Legge is leading the initiative.

The other main activity of SANCOLD relates to international matters. SANCOLD represents South Africa on the International Commission on Large Dams (ICOLD). We have representation on 11 of ICOLD's 21 Committees. These Committees are a key activity of ICOLD and require much dedicated effort on the part of the participants. South African Working Groups have been formed for most of these Committees and the names of the current participants are reflected in the tabulation below.

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	2012-2015	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	Menard Mugumo
New	Committee on Dam Surveillance	2012-2016	Dr C Oosthuizen	A Botha DJ Hagen
H	Committee on Dam Safety	2012-2016	I Segers	Dr C Oosthuizen L Hattingh L van den Berg Bongani Sibanda Alan Kockott
L	Committee on Tailings Dams	2011-2014	Duncan Grant-Stuart	
M	Committee on Operation, Maintenance and Rehabilitation of Dams	2012-2015 ¹	PD Pyke	L Moloï Rep of Umgeni Water
O	Committee on the Register of Dams & Documentation	2011-2014	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	2012-2015	[K Wall] ²	

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. Reappointed Committee to complete the work of the previous Committee.

2. Corresponding Member

ICOLD has changed its policy in regard to the sale of their publications (Bulletins) and the Executive Meeting in 2010 decided to make them cheaper in order to increase dissemination of the information via the National Committees. Draft Bulletins are made available at an earlier stage to enhance distribution. We have received the access code

for downloading and members should approach SANCOLD for electronic versions of the documents. Several SANCOLD members have made use of this facility.

South Africa was a prominent participant during the ICOLD Annual Meeting and Congress in Kyoto in 2012. Some of the main highlights are:

- The event was very well organised. The South African delegation numbered 27.
- South Africa featured in many events.
- The SANCOLD Power Point presentation on ICOLD 2016 was well received.
- South Africa proposed the amendment to the By-Laws which were approved by the General Assembly.
- Gerrit Basson was elected as Vice-President for Africa for 2012-2015.
- Gerrit Basson is now the Chairperson of the reconstituted African Regional Club (ARC).
- Mr Adama Nombre was elected as ICOLD President and is well known to us.
- An ICOLD/Aqua-Media Conference would be held in April 2013 in Addis Ababa and SANCOLD members should be encouraged to participate.
- Prof Basson intends holding an ARC Symposium or Workshop one day before the Africa 2013 Conference with a theme of capacity building. SANCOLD would attempt to gain the support of the DG: DWA for this initiative.
- South Africa had 12 papers in the Congress proceedings and several authors were requested to make verbal presentations.

SANCOLD is very pleased that Prof Gerrit Basson has been elected ICOLD Vice-President for Africa (2012-2015). The Nigerian National Committee made the nomination.



Gerrit Basson



South African delegation enjoying Japanese food

A Young Engineers' Forum in ICOLD was formed in Lucerne in 2012. SANCOLD agreed that SANCOLD should form a similar Forum in South Africa and once operational would liaise with the ICOLD Forum. Mr Ivor Segers would be responsible for promoting the initiative.

The South African National Committee (SANCOLD) made 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 95 member countries and holds an Annual Meeting each year in a different country. A Congress is also held every three years. South Africa 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 .

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.

The next ICOLD Annual Meeting will be held in Seattle, USA, from 12 to 16 August 2013. Details are available on the ICOLD website and on the USSD website www.icold2013.org . South Africa will make its formal bid to host the ICOLD Annual Meeting in 2016 during this meeting.

SANCOLD's finances are sound for the current level of activity, but will require supplementation probably via sponsorships should we host an ICOLD Annual Meeting. Steps are being taken in this regard.

This year has been an active one and we estimate that so far we have reached 70-80% of the set targets. We look forward to the coming year when we prepare and present the bid for ICOLD 2016. If we are successful, it will involve much effort and involvement of the broader membership. We stand to gain many benefits from hosting such an event and I know that we can rely on you for such support and involvement.

Appreciation is expressed to the members of the SANCOLD Management Committee for their support during the year. Appreciation is also expressed to retiring Management Committee members for their contributions to SANCOLD. Thanks are also added to my SANCOLD Colleagues for all of their inputs into this organisation.

DBBadenhorst

**Chairperson: SANCOLD
August 2012**