



# SANCOLD ANNUAL REPORT 2023

## OVERVIEW 2023

Activities in 2023 was devoted to local professional training through the hosting of an annual technical conference and, through the YPF, the hosting of four training webinars. Internationally, SANCOLD participated in the ICOLD conference and remained active in various of the ICOLD technical committees. SANCOLD achieved renewal of its ECSA accreditation for CPD validation. Cleaning up the membership database continued which resulted in the membership of a significant number of members in arrears having their membership terminated.

### 1. SANCOLD MANAGEMENT COMMITTEE

In the first MANCO meeting in 2023, Henry-John Wright was elected to be chairperson for a three year term to replace Quentin Shaw who served two full terms. Andrew Copeland was coopted for tailings dams to replace Duncan Grant-Stuart after his decades long service to SANCOLD. Both Quentin Shaw and Duncan Grant-Stuart were thanked for their dedicated service to SANCOLD and ICOLD. The DWS role in MANCO as well as their nominated representatives were agreed with DWS and finalised as shown in the table below. The other portfolios remained as in the previous year.

### SANCOLD MANAGEMENT COMMITTEE: 2023

No	Name	Organisation	Term * of Office	Remarks
1	M Gxamza	DWS (P&I)	2025	Reserved position. Renewed from 2018
2	C Mahlabela	DWS (NWRI)	2025	Reserved position. Appointed from 2017
3	S Kelefetswe	SAICE	2023	Reserved position. Alternate M van Dijk appointed 2021
4	M van Dijk	USAf	2023	Reserved position. Nominated 2020
5	J du Plessis	Gibb	2025	Elected in 2022 for 3-year term
6	C Starke	DJHA	2025	Elected in 2022 for 3-year term
7	K Naidoo	TCTA	2025	Elected in 2022 for a 3-year term.
8	Ms M Blaeser	ARQ	2022	Elected in 2019 for a 3-year term
9	R Greyling*	Knight Piesold	2023	Elected in 2020 for a 3-year term. <b>Vice Chairperson</b>
10	Ms J Zhang	Knight Piesold	2023	Elected in 2020 for a 3-year term <35 years <b>YPF Chairperson</b>
11	G Robertson	JG Afrika	2024	Elected in 2021 for a 3-year term
12	Ms A Coetzee Vonkeman	DWS	2024	Elected in 2022 for a 2-year term <35 years
13	H-J Wright	ARQ	2024	Elected in 2021 for a 3-year term. <b>Chairperson</b>
14	G De Jager	AECOM	2022	Co-opted for instream flow requirements
15	A Copeland	Knight Piesold	2023	Co-opted for tailings dams
16	W Ramokopa	DWS	2022	Co-opted for APP training/legislation change
17	D Badenhorst	AECOM	2022	Co-opted for Institutional knowledge
18	L Furstenburg	Contract	2022	Externally appointed <b>Technical Secretary</b>
19	D Cameron-Ellis	ARQ	2023	Externally appointed <b>Treasurer</b>

20	Q Shaw	ARQ	2023	Past Chairperson
21	B Oberholzer	DWS	2023	Webmaster
22	S Masikane	SAIAE	-	Administrative Secretary
23	L Mbambo	SAIAE	-	Administrative Secretary Assistant

Notes:

- The term of office is defined from the year following the November elections in the previous year.
- Administrative Secretary appointed in March 2022.

## 2. OBJECTIVES FOR 2023

The Management Committee set the following objectives for 2023 at its first meeting held in February 2023:

### INTERNATIONAL ACTIVITIES

1. Meaningful participation in ICOLD activities.
2. Participate in the ICOLD Annual Meeting in 2023.
3. Greater involvement in the region and African Regional Club.
4. Strengthen the functioning of the SANCOLD working groups which relate to our representation on ICOLD Committees.

### LOCAL ACTIVITIES

5. Attract additional corporate and individual members.
6. Strengthen the relationship with the DWS Management and Ministry.
7. Monitor progress of scholarship holders.
8. SANCOLD position paper on floods
9. Development of a publication on *Your Dam* which will focus on the operation and maintenance of small dam and owners of such dams.
10. Preparation of a publication on Pollution Control dams
11. Improvement in the dissemination of SANCOLD and ICOLD publications.
12. Continued interaction with members particularly via the regular SANCOLD News and the website.
13. Update the website and keep it current and promote the sale of advertisements on the website.
14. Targeted marketing of SANCOLD.
15. Promotion of the SANCOLD Young Person's Forum;
16. Identify and prepare for SANCOLD 2023 Annual Conference
17. Organise short half-day workshops and/or courses.

Pursuit of these objectives is discussed in what follows.

## 3. MEMBERSHIP MATTERS

Both individual and corporate membership decreased during 2023. The decrease is mainly attributed to the closing down of inactive memberships and those that were in default without remedy. The membership list is now a better representation of the actual situation on the ground. Follow-up on non-payment by both Individual and Corporate Membership remains an ongoing task.

Membership Group	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Corporate	53	47	51	53	54	52	52	40	46	33
Individual	172	173	197	220	234	248	227	191	223	204

MANCO elected to introduce a new category of membership for students. Student membership will be free, and it is hoped that such early exposure to SANCOLD will, in time, lead to an increase in individual membership. Members are requested to encourage colleagues and organisations to join SANCOLD.

#### 4. SANCOLD LOCAL ACTIVITIES

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

- ECSA accreditation for CPD Validation. SANCOLD successfully completed an ECSA audit in October 2023 and SANCOLD thus retained its accreditation.
- The YPF held four webinars.
- SANCOLD provided financial support of R50 000 in 2023 to each of two post-graduate students whose research links into furthering SANCOLD work. One student had to withdraw from the program for personal reasons. New scholarship opportunities have been announced and will be awarded in 2024.
- SANCOLD remains concerned about issues around training of dam professional. SANCOLD is developing a realistic and workable strategy to assist in this need, in the form of a dedicated training programme. The various roleplayers in the industry will need to work together to address this issue effectively.
- Expansion of SANCOLD Working Groups related to ICOLD Committees on which SANCOLD has representation.
- Publication of SANCOLD information in local and international journals.
- Upkeeping of the SANCOLD website.
- The *Your Dam* publication is in its final stages of being reviewed and SANCOLD is hopeful that it will still be issued in 2023.
- Preparations for the SANCOLD 2023 Annual Conference.
- The various SANCOLD Working Groups for SANCOLD Guidelines and Publications are given below.

### SANCOLD Working Groups for SANCOLD Guidelines and Publications

<b>Guideline/Publication</b>	<b>Convenor</b>	<b>SANCOLD Working Group</b>
Guideline on Floods	Vacant	Vicci Schoeman Andre' Gorgens Danie van der Spuy David Cameron-Ellis
Guideline on Risk Analysis	Louis Hattingh	Ivor Segers Pilate Moyo Moses Motaung Gerald de Jager Louis Kirsten
Geotextiles for Dams	Kelvin Legge Danie Badenhorst	Prof Fannin +Local experts
<i>Our Dam</i> Publication	Kelvin Legge	Henry-John Wright
Pollution Control Dams	Kelvin Legge	
Position Paper on Freeboard	Robert Greyling	David Cameron-Ellis Michelle Blaeser
Position Paper on EPP	Danie Badenhorst	Guy Robertson Bandula Kendaragama

\*Position papers required / workshops required

## 5. SANCOLD YOUNG PERSON'S FORUM

A Young Engineers' Forum in ICOLD was formed in Lucerne in 2012. SANCOLD formed a similar Forum in South Africa which liaises with the ICOLD Forum. Janice Zhang is the current Chairperson. Currently, we have over 50 members of the Forum, which has been active developing SANCOLD media profile and the arrangement of training webinars.

## 6. INTERNATIONAL ACTIVITIES

SANCOLD represents South Africa on the International Commission on Large Dams (ICOLD). SANCOLD has representation on 19 of ICOLD's 27 Technical 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: 2023

No	Committee Name	Term	SA Representative
A	Committee on Computational Aspects of Analysis and Design of Dams	2021-2025	R Cassels
C	Committee on Hydraulics for Dams	2021-2025	H-J Wright
D	Committee on Concrete Dams	2021-2024	Q Shaw (Vice Chairman)
E	Committee on Embankment Dams	2020-2023	D Badenhorst (Vice Chairman)
F	Committee on Engineering Activities Associated with the Planning Process for Water Resources Projects	2019-2022	G de Jager
G	Environment	2021-2024	K Naidoo
H	Committee on Dam Safety	2021-2024	C Mahlabela
J	Committee on Sedimentation of Reservoirs	2021-2023	G Basson
K	Committee on integrated operation of hydropower stations and reservoirs	2020-2023	L Furstenburg
L	Committee on Tailings Dams	2020-2025	A Copeland
O	Committee on the Register of Dams & Documentation	2021-2024	W Ramokopa
P	Committee on Cemented Materials Dams	2020-2025	D Cameron-Ellis
Q	Committee on Dam Surveillance	2019-2022	L Hattingh
S	Committee on Flood Evaluation and Dam Safety	2021-2024	J Smithers
T	Ad hoc Committee on prospective and new challenges for dams and reservoir in the 21st century	2020-2023	H Anderson
V	Committee for Hydromechanical Equipment	2019-2022	R van Wyk
Z	Committee on Capacity Building and Dams ( <i>Ad Hoc</i> Committee)	2021-2024	V Schoeman

SANCOLD Working Group members make inputs into the ICOLD Committee via the SANCOLD Representative.

The ICOLD policy of making electronic copies of their publications (Bulletins) available free to members in order to increase dissemination of the information via the National Committees continues. Members can receive the access code for free downloading of publications from the SANCOLD Secretary. This will enable members to register their own direct access to the ICOLD website. Several SANCOLD members have made use of this facility and other members are encouraged to make use of this excellent knowledge base.

## **8. AFRICAN REGIONAL CLUB**

The African Regional Club (ARC) meets annually at the ICOLD Annual Meeting. An additional meeting was held in Uganda during the Hydro Africa Conference that was held in July 2023. Quentin Shaw was elected as ICOLD Vice-President for the ARC in June 2022 for a 3-year term and he discussed the ARC initiatives during the SANCOLD event.

## **9. FINANCIAL MATTERS**

The Administrative Secretary (SAIAE) has ensured more responsive management of member matters and billing, thus assisting the Treasurer with financial management. SANCOLD continues to provide support to the dam industry through the provision of bursaries and through the hosting of the SANCOLD annual conference. The conference also serves as a major source of income for SANCOLD.

## **10. CONCLUSION**

SANCOLD has had a fairly active year, although much more can be done, specifically related to training and awareness.

**Henry-John Wright**  
**Chairperson: SANCOLD**  
**November 2023**