



# SANCOLD ANNUAL REPORT 2022

## OVERVIEW 2022

The year 2022 was devoted to the achievement of objectives set by SANCOLD and particularly to the extension of various local initiatives. A major effort was placed on cleaning up the membership database, which will result in the membership of a significant number of members in arrears having their membership terminated. The role of the Secretary was split into two, with an Administrative Secretary appointed (SAIAE secretariat) for mainly administrative tasks and a Technical Secretary for coordination with ICOLD Central Office, Management Committee and other matters.

### 1. SANCOLD MANAGEMENT COMMITTEE

Elections were held at the end of 2021 for three vacant positions. Twelve candidates were nominated, of which seven were under 35.

Henry-John Wright and Guy Robertson were duly elected, with Jeanine Vonkeman as under 35 representative. The other portfolios remained as in the previous year. Four co-options were made as indicated below.

### SANCOLD MANAGEMENT COMMITTEE: 2022

No	Name	Organisation	Term * of Office	Remarks
1	B Mwaka	DWS (P&I)	2022	Reserved position. Renewed from 2018
2	X Mdletshe	DWS (NWRI)	2022	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	D Cameron-Ellis	ARQ	2022	Elected in 2019 for 3-year term <b>Treasurer</b>
6	L Coetzee	UP	2022	Cop-opted in 2021 for a 1-year term <35 years <b>YPF Chairperson</b>
7	Q Shaw	ARQ	2022	Elected in 2019 for a 3-year term. <b>Chairperson</b>
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
11	G Robertson	JG Afrika	2024	Elected in 2021 for a 3-year term
12	Ms J Vonkeman	ASP Technology	2024	Elected in 2021 for a 3-year term <35 years
13	H-J Wright	ARQ	2024	Elected in 2021 for a 3-year term. <b>Webmaster</b>
14	G De Jager	AECOM	2022	Co-opted for instream flow requirements
15	D Grant-Stuart	Knight Piesold	2022	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	P D Pyke / L Furstenburg	Contract	2022	Externally appointed <b>Technical Secretary</b>

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 2022

Most SANCOLD and ICOLD activities returned to normal. The Management Committee set the following objectives for 2022 at its first meeting:

### INTERNATIONAL ACTIVITIES

1. Meaningful participation in ICOLD activities.
2. Participate in the ICOLD Annual Meeting and Congress in 2022.
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. Advertise a new scholarship for 2022.
8. Development of a publication on *Your Dam* which will focus on the operation and maintenance of small dam and owners of such dams.
9. Preparation of a publication on Ecological Water Reserve;
10. Improvement in the dissemination of SANCOLD and ICOLD publications.
11. Continued interaction with members particularly via the regular SANCOLD News and the website.
12. Update the website and keep it current and promote the sale of advertisements on the website.
13. Targeted marketing of SANCOLD.
14. Promotion of the SANCOLD Young Person's Forum;
15. Identify and prepare for SANCOLD 2022 Annual Event.
16. Organise short half-day workshops and/or courses.

The extent to which these objectives were accomplished is discussed in the paragraphs below.

## 3. MEMBERSHIP MATTERS

Individual membership increased significantly during the year. 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
Corporate	53	47	51	53	54	52	52	40	35
Individual	172	173	197	220	234	248	227	191	200

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:

- Three No 3-day courses titled *Dam Safety Surveillance* were held at Driekoppies Dam during January and February 2022. YPF members were sponsored to attend. A total of 71 persons attended the training. The KOBWA meeting facility was used with an agreement that KOBWA personnel could attend the training free of charge.

- 1-day Training course on 27 October 2022 titled *Dam Safety in the Mining Environment* for Exxaro.
- The YPF held three webinars.
- SANCOLD provided financial support of R50 000 in 2022 to each of the two post-graduate students whose research links into furthering SANCOLD work.
- SANCOLD remains concerned about issues around APP Training. This remains a priority, but SANCOLD needs to develop a realistic and workable strategy to take this forward.
- 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.
- Preparations for the SANCOLD 2022 Annual Conference and Annual Meeting.
- The Guideline on Ecological Water Reserve brochure was finalised for publication.
- 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	
Guideline on Blasting Practices	David Cameron-Ellis	Claude Cunningham Gerrie van Jaarsveld
Seismic	Anglo American drives initiative	David Cameron- Ellis Graham Roberts
Pollution Control Dams	Kelvin Legge	
Freeboard	TBC	Louis Hattingh David Cameron-Ellis Henry-John Wright Wally Ramokopa
Position Paper on Freeboard	Robert Greyling	David Cameron-Ellis Michelle Blaeser
Position Paper on EPP	Vacant	Danie Badenhorst Guy Robertson Louisa van Vuuren Jaretha Lombaard 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 agreed that SANCOLD should form a similar Forum in South Africa and, once operational, would liaise with the ICOLD Forum. Janice Zhang is the current Chairperson. Currently, we have over 50 members of the Forum, which has been quite active.

## 6. INTERNATIONAL ACTIVITIES

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 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: 2022

No	Committee Name	Term	SA Representative	SANCOLD Working Group
C	Committee on Hydraulics	2021-2025	H-J Wright	D Cameron-Ellis
D	Committee on Concrete Dams	2021-2024	Q Shaw (Vice Chairman)	J Kroon H-J Wright A Botha D Ochan
E	Committee on Embankment Dams	2020-2023	D Badenhorst (Vice Chairman)	H Elges K Legge (Geofabrics) C Fraser C Fynn
F	Committee on Engineering Activities Associated with the Planning Process for Water Resources Projects	2019-2022	L Mabuda	M Mugumo J van der Mescht
H	Committee on Dam Safety	2021-2024	C Mahlabela	L Hattingh L van den Berg B Sibanda A Kockott B Kendaragama
J	Committee on Sedimentation of Reservoirs	2021-2023	G Basson	
K	Committee on integrated operation of hydropower stations and reservoirs	2020-2023	L Furstenburg	J Basson J Sawyer
L	Committee on Tailings Dams	2020-2023	D Grant-Stuart	A Copeland J Wates S Dorman B Makgekgenene D Brink
M	Committee on Operation, Maintenance and Rehabilitation of Dams	2021-2023	P Pyke (Vice Chairman)	L Moloi Rep of Umgeni Water
O	Committee on the Register of Dams & Documentation	2021-2024	W Ramokopa	
P	Committee on Cemented Materials Dams	2020-2025	D Cameron-Ellis	Vacant-SANCOLD Members please apply to the Secretary
Q	Committee on Dam Surveillance	2019-2022	L Hattingh	A Botha

				DJ Hagen
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	
U	Committee on Dams and River Basin Management	2018-2021	G de Jager	
V	Committee for Hydromechanical Equipment	2019-2022	R van Wyk	M Ellis
Y	Committee on Climate Change	2021-2023	G de Jager	Corresponding member
Z	Committee on Capacity Building and Dams ( <i>Ad Hoc</i> Committee)	2021-2024	V Schoeman	

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.

The ICOLD policy of making copies of their publications (Bulletins) free to members in electronic format 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 you to register your 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 has not been active, with limited virtual meetings of ICOLD. Quentin Shaw was elected as Vice-President in June 2022 for a 3-year term.

## 9. FINANCIAL MATTERS

Management of SANCOLD's finances has been eased this year through the assistance of the Administrative Secretary (SAIAE). We continue to provide support to the dams industry through bursaries and the holding of the annual conference, which assists with bringing in income.

## 10. CONCLUSION

- This year has seen activities increasing since the worldwide health pandemic restrictions have eased.
- SANCOLD membership is showing healthy growth.

**Quentin Shaw**  
**Chairperson: SANCOLD**  
**November 2022**