

SANIRE ANNUAL GENERAL

THURSDAY

31 AUGUST 2023

TIME: 09h00 – 14h00

ANNUAL GENERAL MEETING

THURSDAY | **VENUE: KLOOFZICHT LODGE**
31 AUGUST 2023 | **TIME: 09h00 – 14h00**



SANIRE

SOUTH AFRICAN NATIONAL INSTITUTE OF ROCK ENGINEERING

SANIRE AGM Program

Start	End	Agenda	Portfolio
8h30	9h00	Arrival	Mbale Buthelezi
9h00	9h10	Welcome by the President	Kevin Le Bron
9h10	9h15	Apologies	Kevin Le Bron
9h15	9h30	Reflecting on the past year	Kevin Le Bron
9h30	9h45	Membership	Glorious Nkosi
9h45	10h45	Treasury	Sifiso Mashile
10h45	11h00	Break and Tea	
11h00	11h15	Education Theory	Petrie Wessels
11h15	11h30	Education RE Prac	Thandile Dlokweni
11h30	11h45	Education SCO Prac	Rofhiwa Phadagi
11h45	12h00	Organisational Liasion	Jeanne Walls
12h00	12h10	ISRM	Kevin Le Bron
12h10	12h30	Branches Feedback	Billy Mashiatshti
12h30	13h00	SANIRE Awards	Pearl Mosiane
13h00	13h30	SANIRE Awards: Best achievers Top students	Pearl Mosiane
13h30	13h45	General	Kevin Le Bron
13h45	13h50	Closing by President	Kevin Le Bron
13h30	14h00	Lunch	



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OF ROCK ENGINEERING

SANIRE Council



SANIRE COUNCIL



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OF ROCK ENGINEERING

Portfolio	Portfolio Holder 2022/2023	Portfolio Holder 2023/2025
President / Events and Sponsorship	Lizelle Prinsloo	Kevin Le Bron
Past President	Paul Couto/Jannie Maritz	Lizelle Prinsloo
Vice President	Kevin Le Bron	Obakeng Rakumakoe
Treasurer	Sifiso Mashile	Sifiso Mashile
Administrator / Events	Mbalenhle Buthelezi	Mbalenhle Buthelezi
Membership	Zwelinzima Thebethe	Glorious Nkosi
Social media, Newsletter, Awards	Thovhedzo Gcuda	Pearl Mosiane
Education, Minerals Council Exams Best Performance Awards	Petrie Wessels	Petrie Wessels
Future Education	Jannie Maritz	Jannie Maritz
Rock Engineering Practical Exams	Kevin le Bron	Thandile Dlokweni
Strata Control Officer Practical Exams	Rofhiwa Phadagi	Rofhiwa Phadagi
ISRM	Dr. Michael Du Plessis	Jannie Maritz
Organisational Liaison	Obakeng Rakumakoe	Jeanne Walls

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President / Events and Sponsorship	Kevin Le Bron
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Treasurer	Sifiso Mashile
Administrator / Events	Mbalenhle Buthelezi
Membership	Glorious Nkosi
Social media, Newsletter, Awards	Pearl Mosiane
Education, Exams Committee and Best Performance Awards	
Future Education	Jannie Maritz
MincoSA Exams	Petrie Wessels
Rock Engineering Practical Exams	Kevin Le Bron/ Thandile Dlokweni
Strata Control Officer Practical Exams	Rofhiwa Phadagi
ISRM/ RETC/ MRAC	Jannie Maritz
Organisational Liaison	
SAIEG, SANCOT, SAIMM, GSSA	Jeanne Walls
MHSC, RBTT, Seismicity, MoshCOPA	





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SOUTH AFRICAN NATIONAL INSTITUTE OF ROCK ENGINEERING

Vision:

To actively promote the South African Rock Engineering Profession.

Values:

- Honesty
- Integrity
- Professionalism
- Accountability
- Transparency

Mission:

SANIRE promotes the advancement of the Rock Engineering discipline by encouraging and promoting:

- Interest and the development of education in Rock Engineering
- Professional practice and high ethical standards
- Networking, collaboration and information exchange
- Research areas



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HIGHLIGHTS



EVENTS 2022 : ISRM SANIRE ROCKBOWL

SANIRE Rockbowl Team:
International Society of Rock Mechanics Rock Bowl Champions 2022



Quinton Nankua

Nkhangweni Ratshitaka

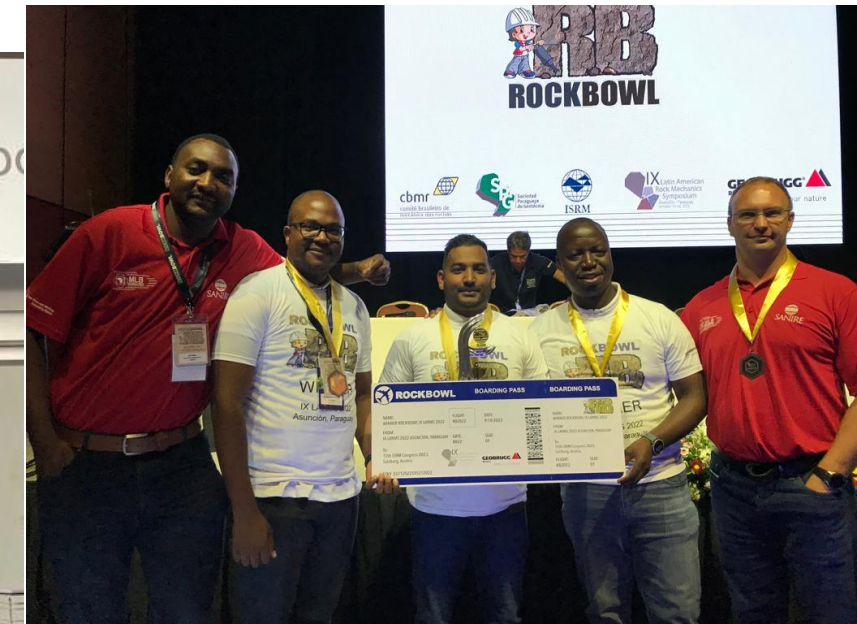
Sammy Mlondobozi



EVENTS 2022 : ISRM SANIRE ROCKBOWL



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EVENTS 2022: SANIRE PRESIDENTIAL BANQUET



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SANIRE Rockbowl Team:
International Society of Rock Mechanics Rock Bowl Champions 2022



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
 SANIRE



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
Honorary Member Award
 SANIRE

Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL, MULDERSDRIFT

SAVE THE DATE

For more information contact:
Mbalenhle Buthelezi
Tel: (+27) 11 568 2054



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
Practitioner of the year Award
 SANIRE



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
RockStar of the year Award
 SANIRE

THANK YOU FOR ATTENDING...
YOUR SUPPORT AND ATTENDANCE



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
Lelanie Prinsloo Award
 SANIRE



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
Ortlepp Award
 SANIRE



Presidential BANQUET
5 NOVEMBER 2022
MISTY HILLS COUNTRY HOTEL
Honorary Life Fellow Award
 SANIRE



EVENTS 2022 2023 :SANIRE Council Tour-NC



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OF ROCK ENGINEERING



From left to right: Vice Chair: Gerald Gainsford Supplier representative: Daniel Blom Chairperson: Billy Mashiatshiti Treasurer: Radifadi Mamabolo Young Member Representative: Naledi Letlape Secretary: Jeevan John



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NORTHERN CAPE BRANCH

**SANIRE COUNCIL TOUR
COMING TO
NORTHERN CAPE BRANCH
MEETING & TECHNICAL VISIT**

08 FEBRUARY 2023



EVENTS 2022 2023 :SANIRE Council Tour-FV



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FREE STATE BRANCH



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**SANIRE COUNCIL TOUR
COMING TO
FREE-VAAL BRANCH
MEETING & MINI ROCKBOWL**

01 JUNE 2023



Chairperson: Louis Lochner
Vice-Chair: Jerry Wienand
Secretary: Blackie Swart
Company Re: Tho Ferreira
Young Member Rep: Chris Jooste



EVENTS 2022 2023 :SANIRE Council Tour-EBB



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OF ROCK ENGINEERING

Chairperson: Gunther Betz
Vice-Chair: Easavani Wessels
Treasurer: Sampie van Buuren
Administrator: Ben Smit
Young Member Rep: Azwindini Makungo
Suppliers Rep: Chris Brink

INVITATION TO THE SANIRE EASTERN BUSHVELD BRANCH
Technical visit
in collaboration with Council roadshow

17 August 2023

Location: Booyendal Mine:

Time: **06h30**

RSVP: **31 July 2023** to Gunther.Betz@norplats.co.za



EVENTS 2022 2023 :SANIRE Council Tour-Coal



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OF ROCK ENGINEERING

Chairperson: Nyandano Netshivhazwaulu

Vice-Chair: Lebohang Sithole

Treasurer: Olwethu Swakamisa

Secretary: Yogendran Arunachellan

Coordinator: Mokgadi Nchabeleng

Education, Research: Anele Sambo

Supplier Rep: Ndunduzo Khathi



**SANIRE COUNCIL TOUR COMING TO
COAL BRANCH COLLOQUIUM**

**FINAL
CALL
FOR
ABSTRACTS**

DEADLINE **27 MARCH**

The COAL BRANCH is intended to establish networks and equip professional with solutions available in the industry through the **first Branch Colloquium**.

Come and be part of insightful sessions on the
18 APRIL 2023

Order of events are as follows:

TECHNICAL VISIT
06H00 - 09H00

COLLOQUIUM
10H30 - 15H00

SASOL RECREATION

**SANIRE COUNCIL
will be in attendance**



EVENTS 2022 2023 :SANIRE Council Tour



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WESTERN BUSHVELD BRANCH

Council Tour: Western Bushveld – 18 October 2023

Chairperson	Hlomani Mthombeni
Vice-Chairperson	Peet Swart
Treasurer	Annie van Niekerk
Secretary	Neil Kruger
Vice- Secretary	Neil Kruger
Supplier's representative A	Stefan Nel
Young Member Representative	Renard Pretorius
Technical Visits Representative	Renard Pretorius

UP-COMING



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GAUTENG BRANCH

Council Tour: Gauteng – 29 November 2023

Chairperson	Ross van Heerden
Vice-Chair	Ohveshlan Pillay
Treasurer	Tafadzwa Chindedza
Secretary	Phumza Banjwa
Education and examinations	Yolanda Chambati
Supplier representative	Katinka Cartes
Technical Events coordinator	Adelaide Moganedi
Technical Events administrator	Thato Mathole

EVENTS 2022 / 2023: SANIRE SYMPOSIUM



SANIRE SYMPOSIUM 2023



SANIRE had the opportunity and pleasure of hosting a symposium from the 22nd to the 23rd of June 2023.

The SANIRE flagship event, which was attended by the who's who of the Rock Engineering fraternity integrated the young minds and older generation, who are the mainstays of the industry; and saw challenges being turned into opportunities.

Seasoned speakers, young and old shared pearls of wisdom and gave insight into the solution of various problems and challenges.

Coupled with the event, was the Rock Engineering Rockbowl competition which also gave young members a platform to show case their technical skills and know-how and walk away with trophies, an overseas trip

EVENTS 2022 / 2023: SANIRE SYMPOSIUM



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SANIRE SYMPOSIUM 2023



SANIRE Symposium – Thanking our Sponsors



Gold Sponsors:

- Reutech Mining
- Fabchem Mining
- HMA South Africa
- Open House Management Solutions
- QualiRock



SANIRE Symposium 2023



All the presentations available on the website

PRESENTATIONS - DAY1

-  SANIRE ARMA23 100 Rockbursts Characterization in the Merensky Reef
-  In stope Pillar Reduction (ISP) Mining at Tau Lekoa Mine
-  Pillar stability assessment methodology for bord and pillar mines Presentation Notes
-  JE Ahlers SANIRE Presentation
-  JA Maritz Data Vizualization
-  Mining DGCMP for UG Mine

The SANIRE Turning Challenges Into Opportunities Symposium presentations and photos are available on the SANIRE website for download: <https://lnkd.in/dS8vtMwS>



PRESENTATIONS - DAY2

-  Jomo Mtekwana Presatation
-  Hlomani SANIRE Presentation [Autosaved]
-  Mining Venetia WRS SANIRE 2023
-  Dragline Spoils design process optimization C Selaip
-  JA Maritz Pillar Strength
-  Middling stability in hard rock multi seam mining
-  Establishing a successful GBR Database Reutech 30062023

EVENTS 2023: ROCKBOWL 2023



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EVENTS 2023: ROCKBOWL 2023



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The council would like to extend their congratulations to the **Middindi consulting** team, who won the Rockbowl group finals as well as the **Free Vaal** and **AngloPlatinum** teams, who came second and third.

EVENTS 2023: ROCKBOWL 2023



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Join me in congratulating **Katlego Mathibe**, 1st place, **Cindy Mabala**, second place and **Thato Mashaba**, 3rd place who will be jetting off to **Austria in October 2023** to attend and cheer on our very own ISRM Rockbowl 2022 champions as they defend their title.





Matters Arising from the Previous AGM



Previous AGM Minutes



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MATTERS ARISING & MINUTES OF PREVIOUS MEETING

- **Annual General Meeting:**
 - Membership increase fees was presented and adopted
 - New financial year 2022/2023 were increased for all categories
 - Internship should be included as a separate member category
 - comments were based on income of the interns
 - to provide proof of internship when applying
 - to be upgraded to Associate membership once they qualify
 - to be treated the same as student membership, no fee
 - Donations and not sponsorship.
 - SANIRE is not a profit organization and therefore suppliers support by donating
 - Monthly instalments for singular subscriptions
 - Council noted the extra administration that will need to be implemented and therefore concluded that such will not be implemented.
 - Pro-rata payments for joining in the middle of the year.
 - Members joining in the middle of the year, receive Pro rata rates

Previous AGM Minutes



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- Different amount for unemployed persons
 - If you can't afford membership, then one cannot be a member
- **Practical Examinations**
 - Rationale behind the practical examinations fees to be discussed at the next council meeting.
 - It was noted that people are motivated to be members hence the different amount requested; individuals that are already members have a discounted fee when applying for an exam.
 - The registration cost goes towards hosting the exam; it was noted that the examination fee structure to be relooked and revised, in order to reach fairness towards all individuals
 - Examiners are voluntarily
 - SANIRE to look at making the exam costs a standard fee, same as what the Minerals Council is charging for the theory; everyone to pay the same amount for same qualification – no decision made, to be discussed at next meeting.
 - Is it beneficial for SANIRE to administer the exams? Or the administration must be kept with the Minerals Council of South Africa in order to avoid SANIRE being conflicted when issues arise such as the papers leaking
 - It was noted that SANIRE and the Minerals Council of South Africa need to meet and discuss the management of the exams
- **SANIRE Banquet-5 November 2022**
 - It was noted that the next SANIRE event is the Banquet at Misty Hills, Muldersdrift
- **Constitutional Review**
 - The reviewed constitutions was published on website.



Constitutional Review



Constitutional Review



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[OFFICIAL]

- Due for review next year 2024



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MEMBERSHIP
Glorious Nkosi

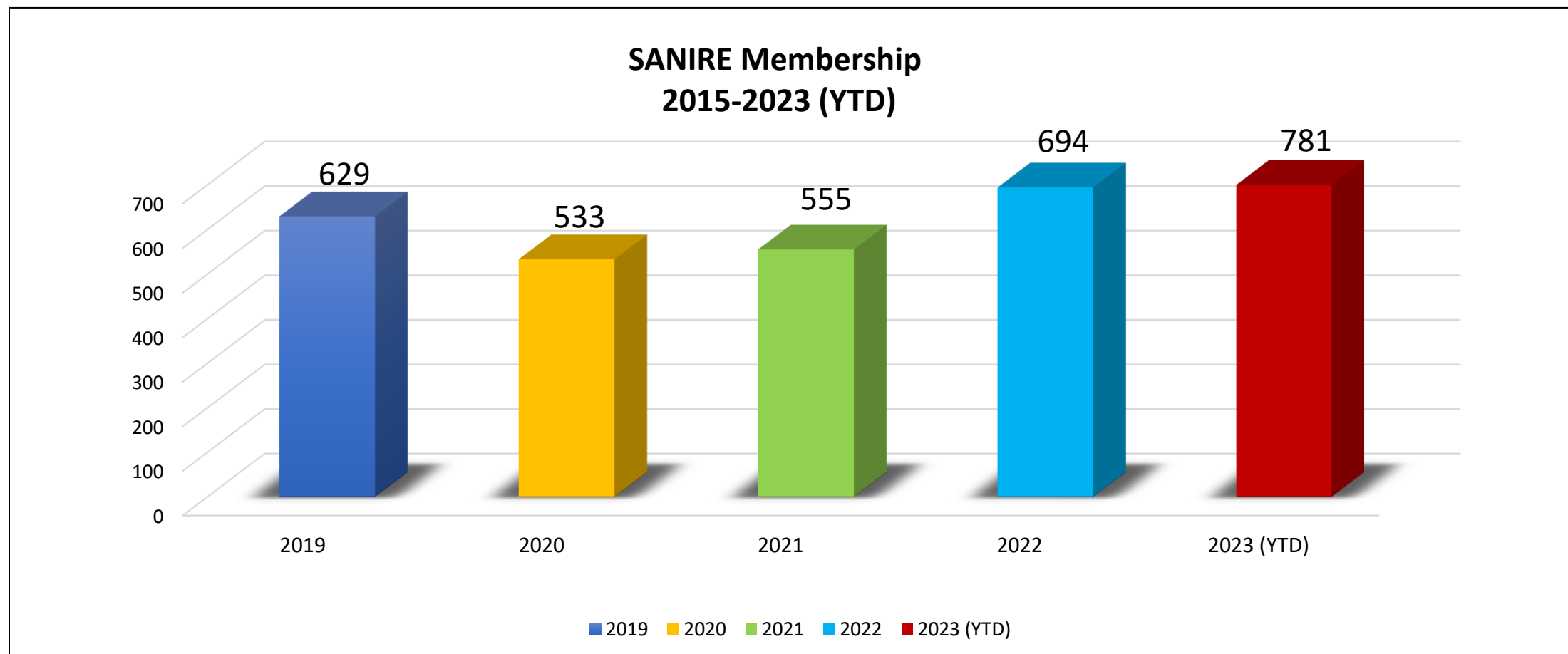


AGENDA

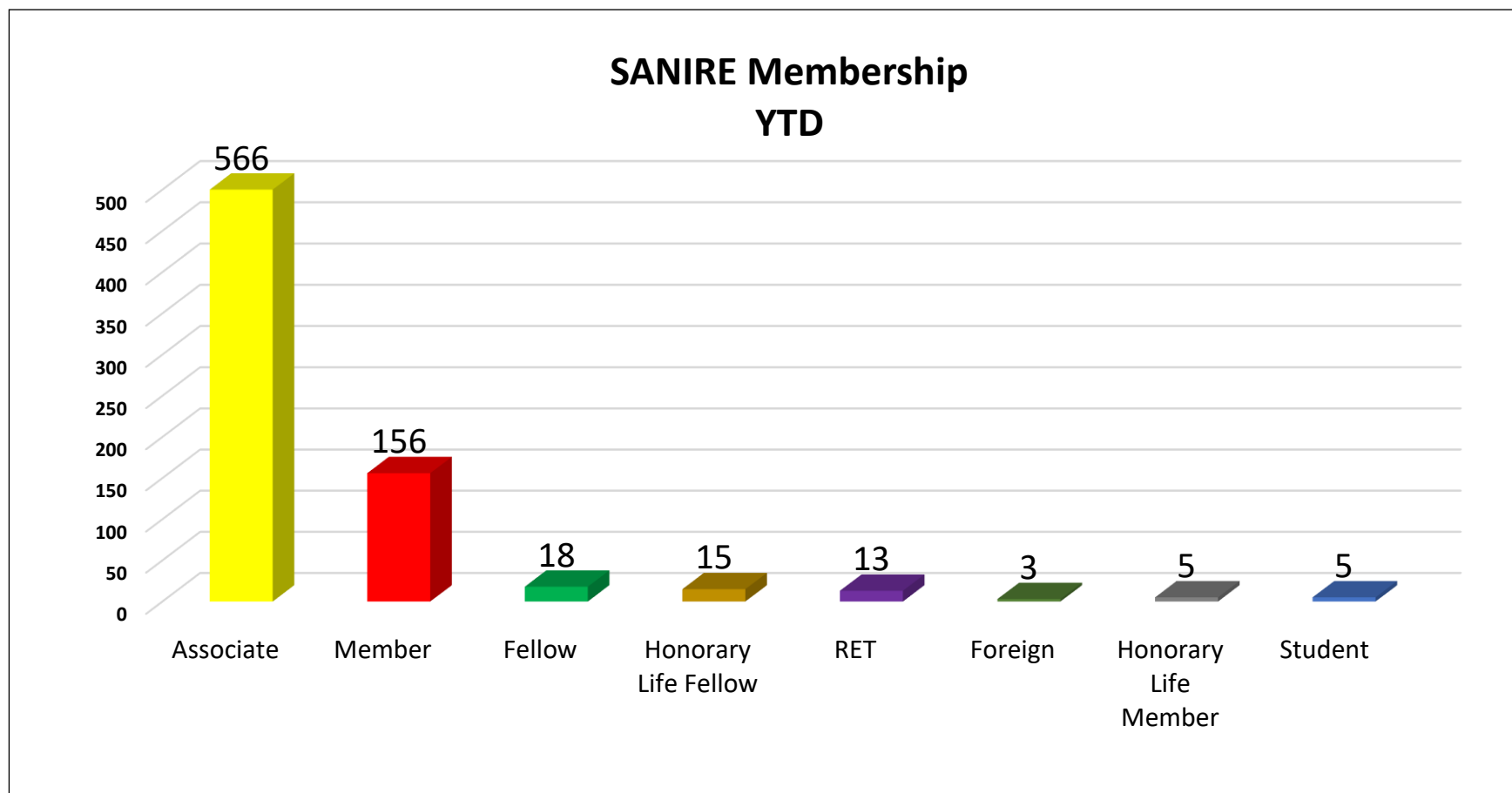
- 1. Membership Statistics**
- 2. Statistics Per Category**
- 3. Statistics Per Branch Ratio**
- 4. Statistics Per Age & Gender**
- 5. Conclusions**



1. MEMBERSHIP STATISTICS



2. STATISTICS PER CATEGORY

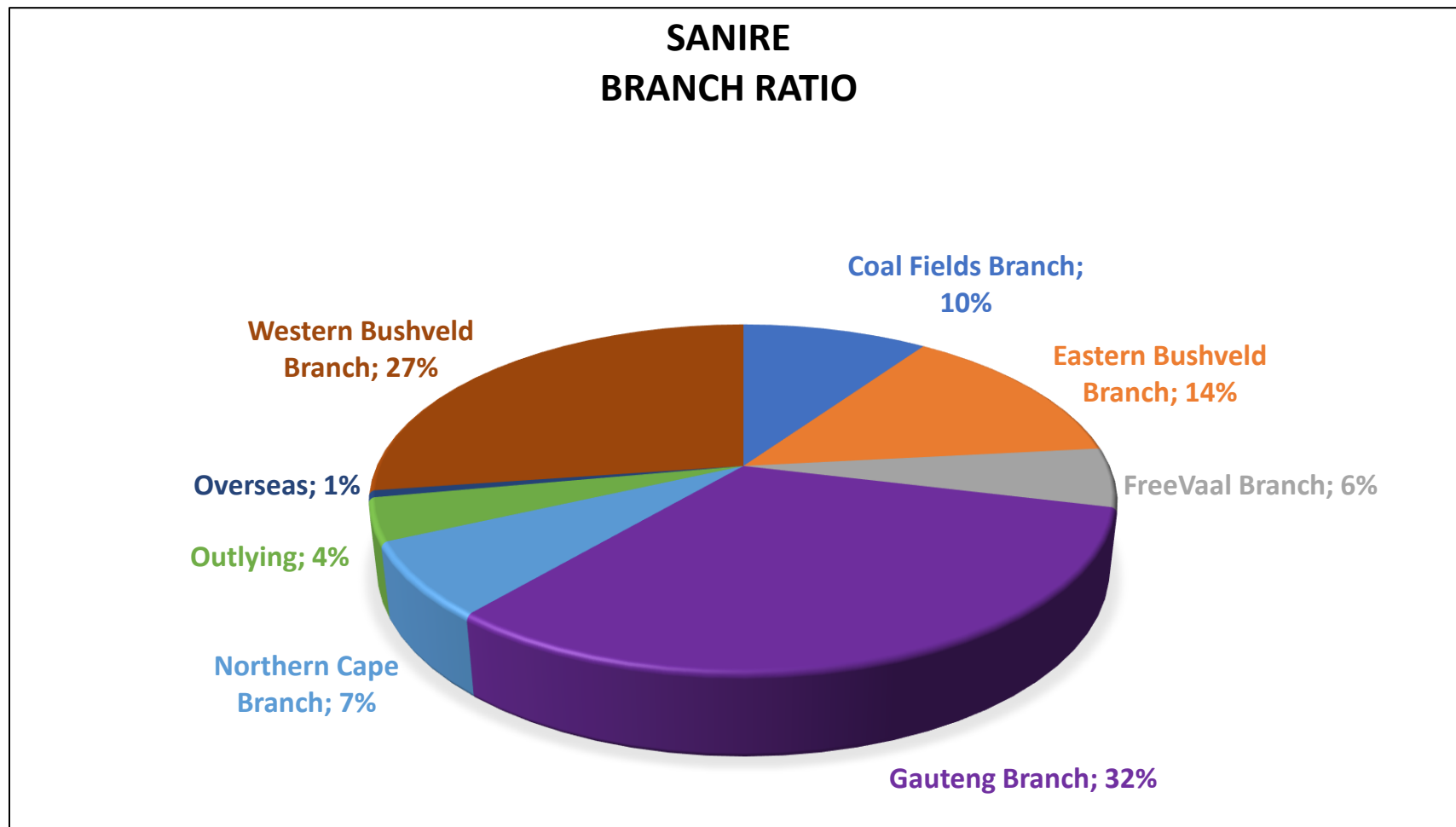




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3. STATISTICS PER BRANCH RATIO



info@sanire.co.za



www.sanire.co.za



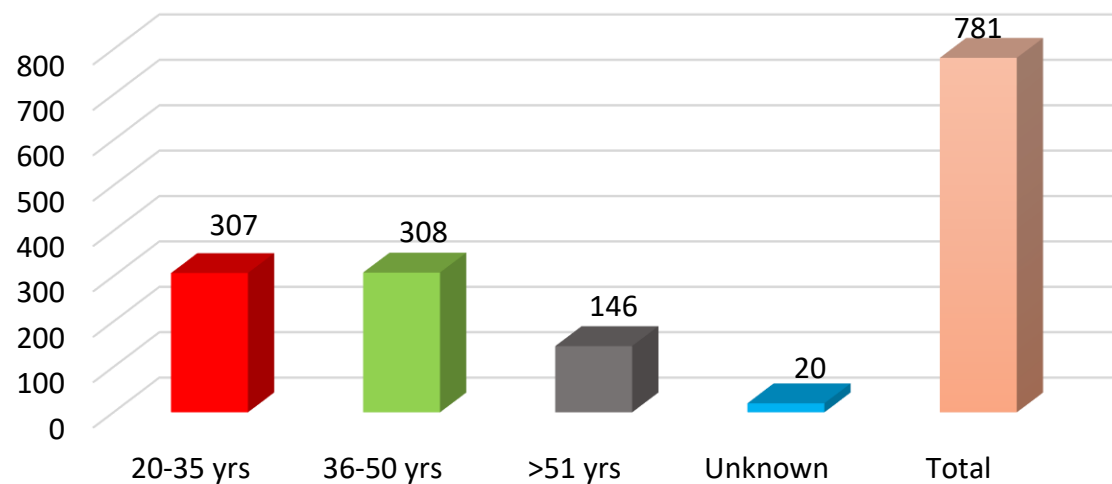
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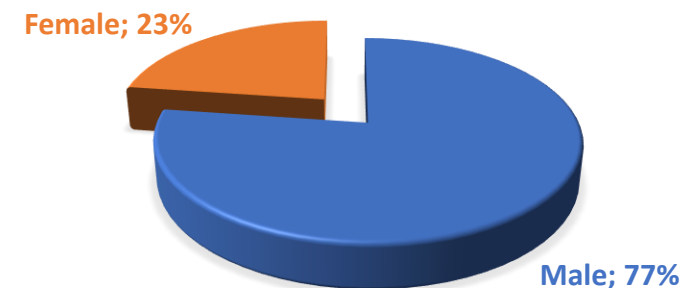
@SanireOfficial

4. STATISTICS PER AGE & GENDER

**SANIRE
MEMBER AGE DEMOGRAPHICS**



**SANIRE
MALE - FEMALE
RATIO**



4. CONCLUSION

1. We are here to serve you !!!!!
2. Any queries or improvements regarding membership may be forwarded to Mbale and Glorious.
3. Let's take ownership of SANIRE 😊....





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Treasury
Sifiso Mashile



Financial Procedure and Membership Fees



SANIRE Constitution Extract...

7.4 Unpaid Fees after 31 December > not a member in good standing. is not entitled to receive the notices, publications or awards of the Institute, nor to exercise any of the rights and privileges of membership.

- 7.4.1 A member whose annual subscription remains unpaid for one year may, by resolution of the council, be excluded from the Institute. He/she thereupon ceases to be a member and his/her name will be removed from the membership register. Notice to this effect will be sent to him/her in writing by the administrator at his/her last registered address and/or e-mail address, three months before the termination of the stated period.
- 7.4.2 Such exclusion does not relieve him/her from liability for the payment of any moneys due by him/her; any person whose membership has so ceased may at the discretion of the council and upon payment of all fees due, be reinstated within one year from the date of the resolution of the council excluding him/her. Thereafter, he/she may be re-admitted only on such conditions as the council may decide.

Treasury: General Overview



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- New financial year (2023-2024) started in July 2023.
- Financial year 2022- 2023 has been concluded subject to an independent audit process.
- Membership fees.
- SANIRE will have to enroll for VAT with SARS: FY2024, once registered, Membership fees will include VAT of 15%.
- MPAS New Accounting Services Structure- *Change Management*

Treasury: General Overview



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Bank Account Balances are in a healthy state:

- Investment Account: 03 July 2023 – R910 058 (Ave. interest of R5 010 pm)
- Current Account: 03 July 2023 – R336 964
- SANIRE Branches all have positive balances except for the Coal Fields branch.



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FINANCIALS 2022/ 2023

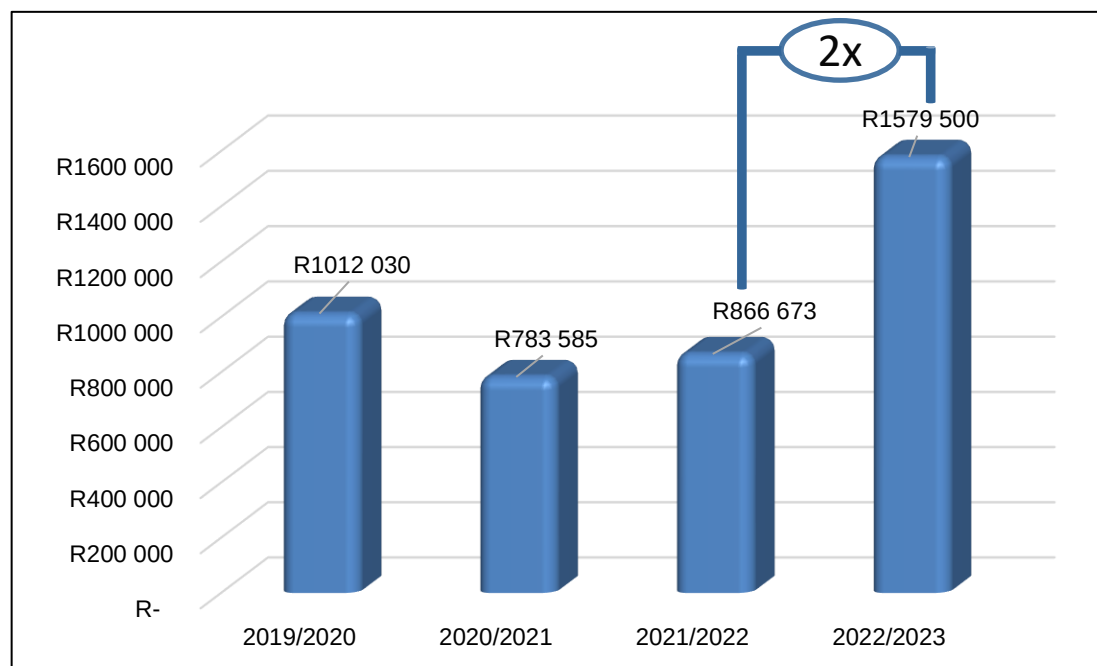
-Income

FY2022/ 2023: Income

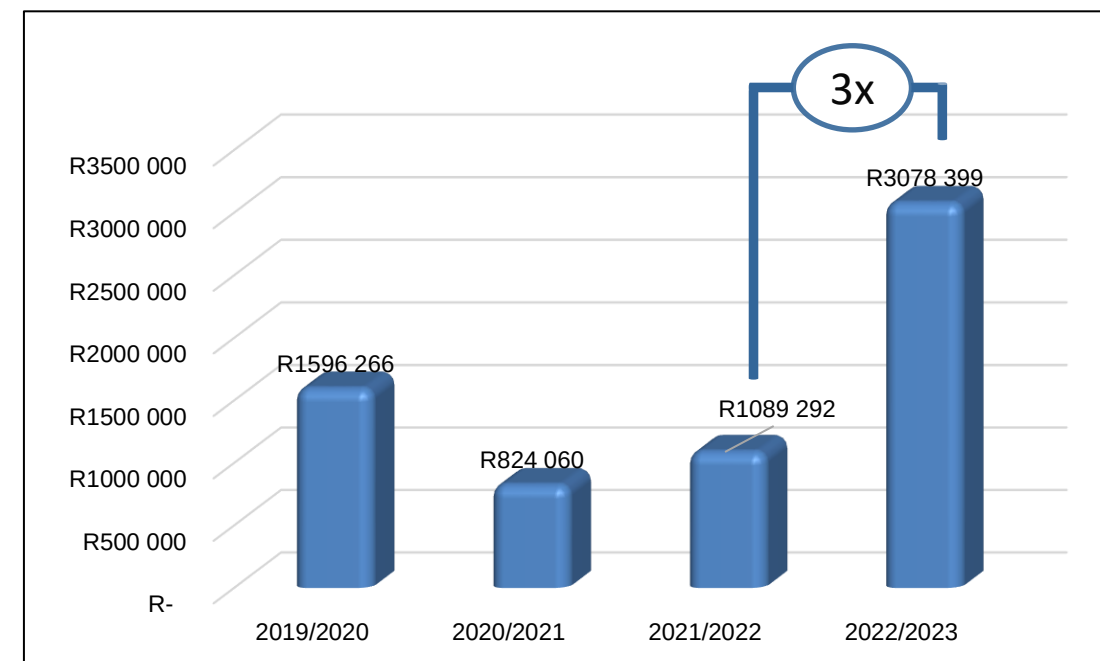


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BUDGET



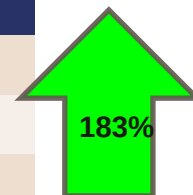
ACTUAL



SANIRE INCOME SUMMARY

FY 2022/2023

SANIRE National Branch	R2 634 899
Branches	R443 500
Total Income	R3 078 399



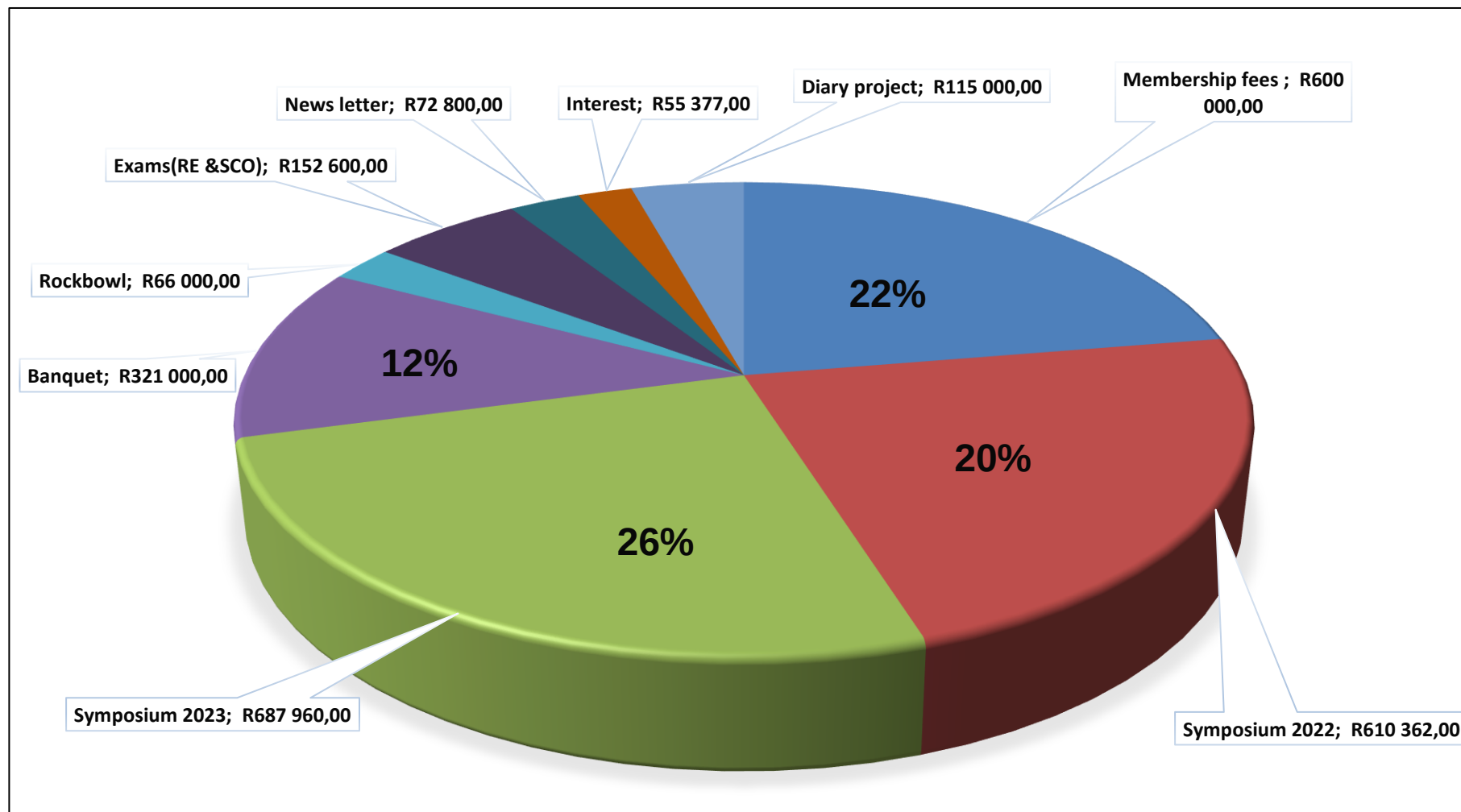
KEY INCOME DRIVERS FY 2022/2023

1. Two Symposiums in one financial year (yielding R1.3M ~42%)
2. Improve in Membership fees recovery (@R600k from R320k in FY 2021/2022)
3. Newsletter R72k

FY2022/ 2023: Income Main Branch



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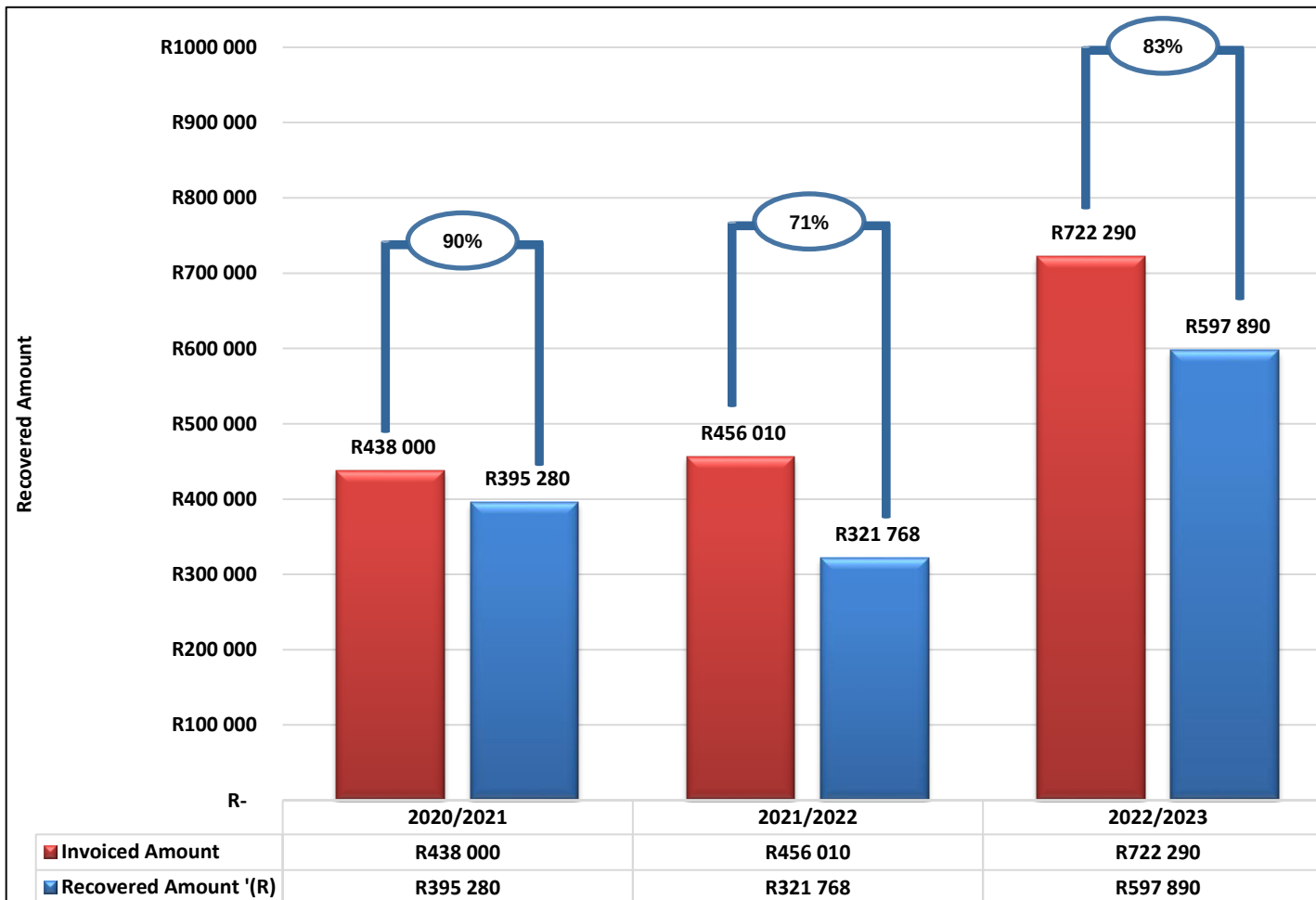


FY2022/ 2023: Fees Recovery



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FY 2022/2023 Membership Overall Recovery Rate = 83%



MEMBERSHIP FEES IMPROVEMENT INITIATIVES

1. Dual invoicing (Member + Company invoiced)
2. Regular communication with Members (texts, emails, phone calls)

SANIRE EVENTS RECOVERY

Our events recovery is at 98%

MEMBERS NOT IN GOOD STANDING

Members not in good standing will be issued with letters and Membership will be deactivated until Member settles outstanding fees



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FINANCIALS 2022/ 2023

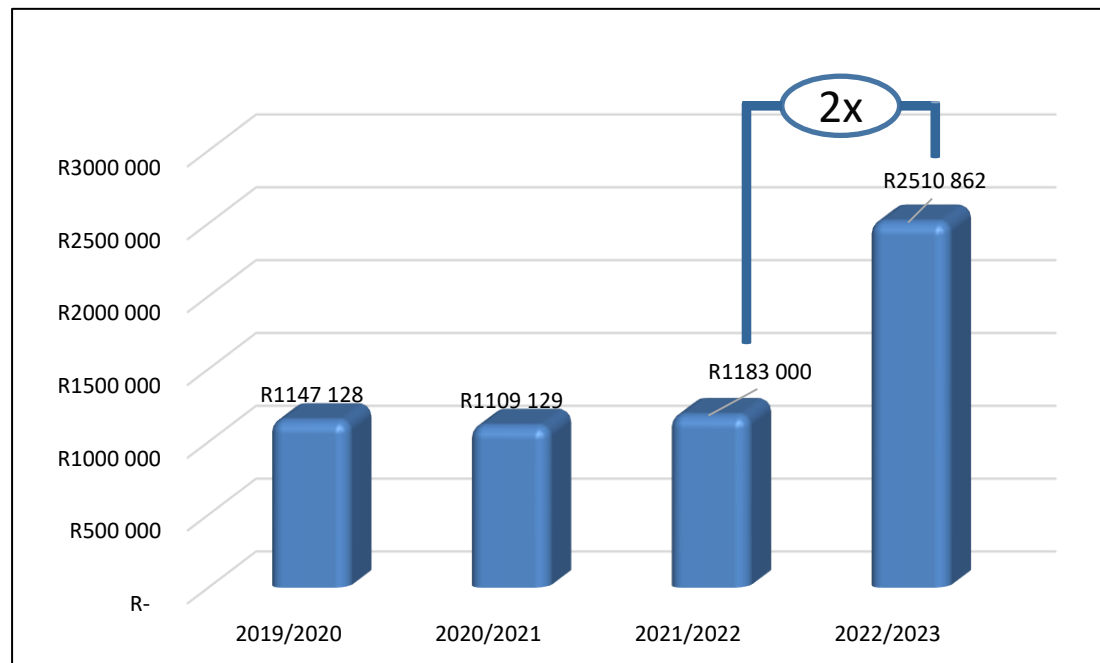
-Expenses

FY2022/ 2023: Expenses

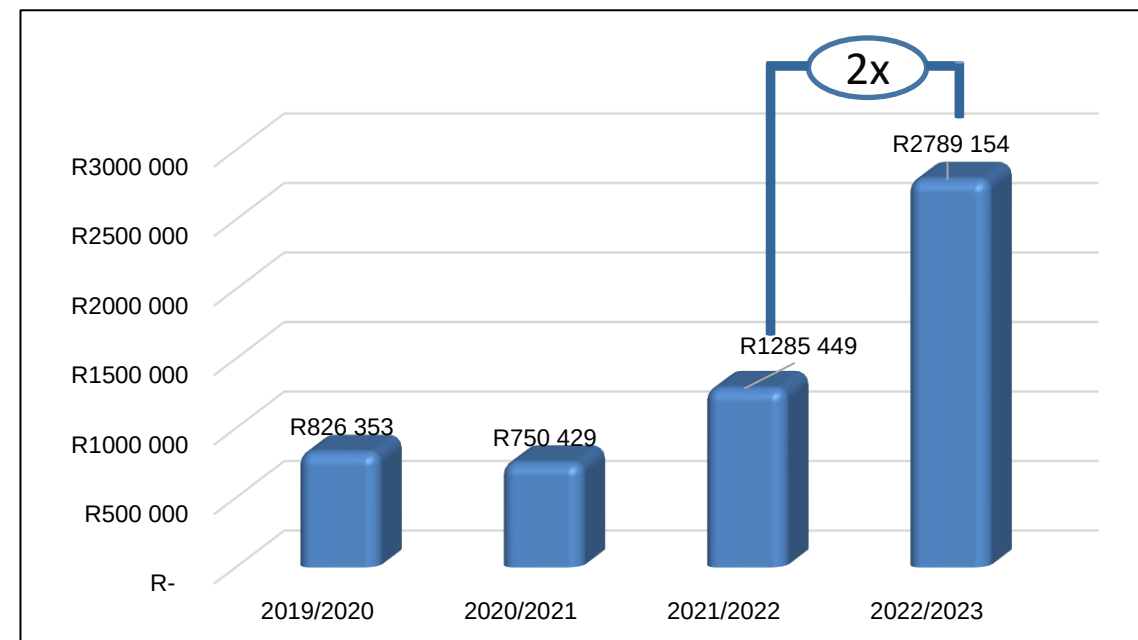


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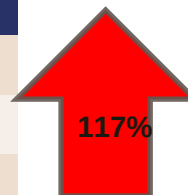
BUDGET



ACTUAL



SANIRE EXPENSES SUMMARY		2022/2023
SANIRE National Branch		R2 314 242
Branches		R474 912
Total Expenses		R2 789 154



117%

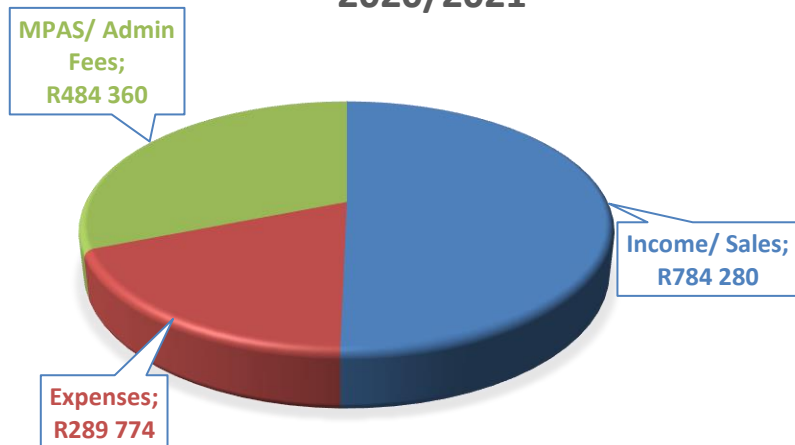
KEY COST DRIVERS (Overall 11% higher than budget)

1. MPAS costs 15% higher than FY2021/2022 @R683 618
2. Branches total expenses @R474 with a R66k Surplus
3. Bosberaad, Website hosting, Audit fees, Council meetings (all 50% higher than budget)

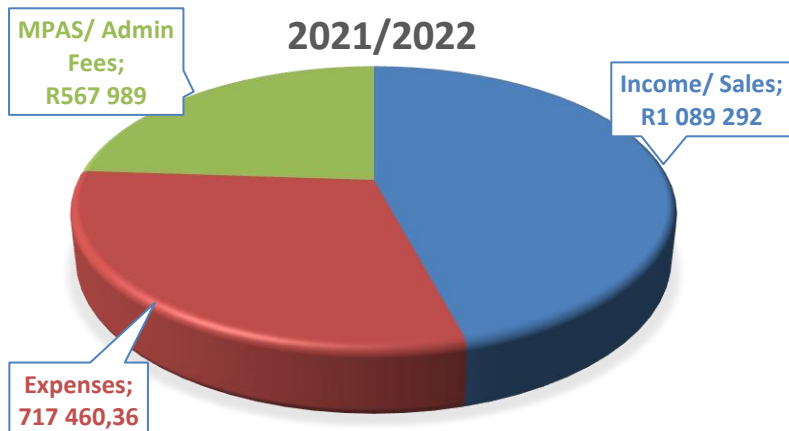


FY2022/ 2023: Expenses

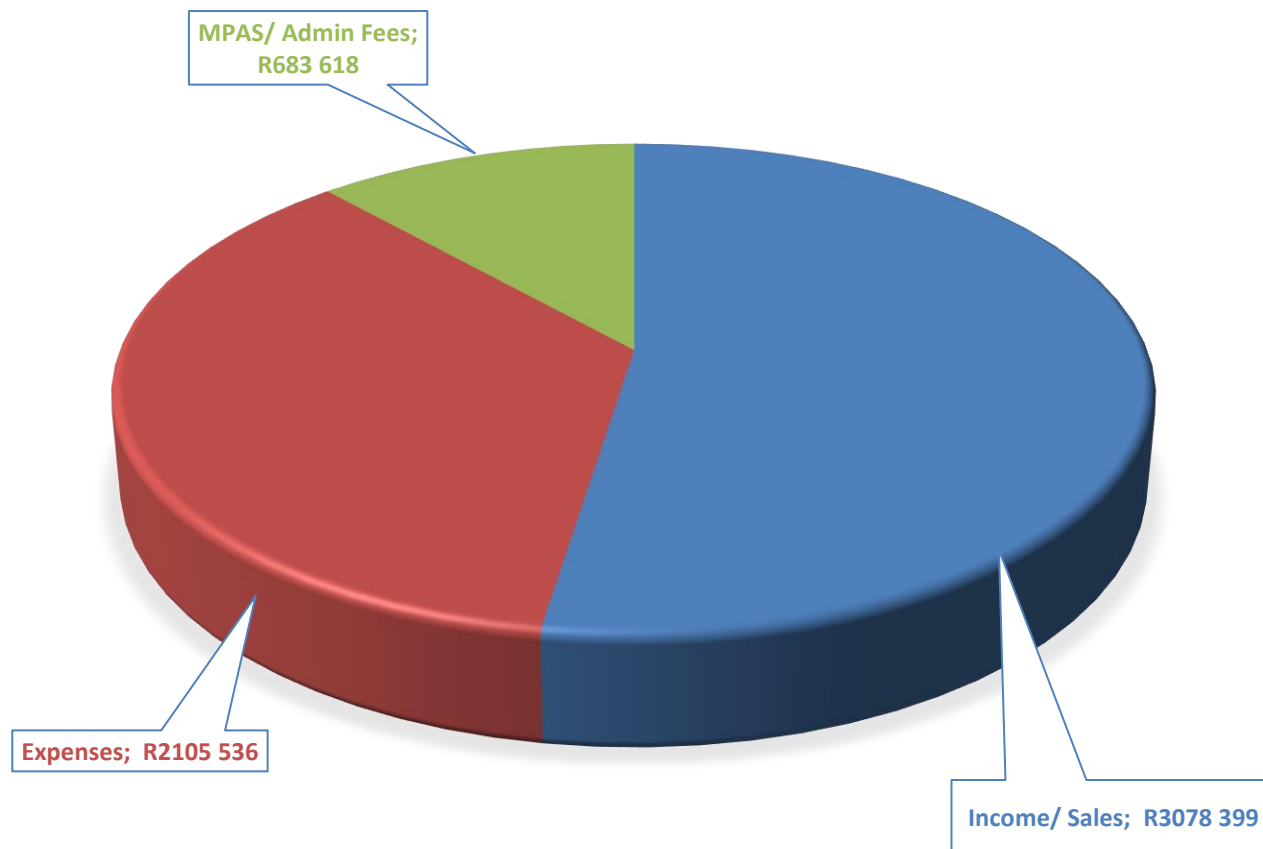
2020/2021



2021/2022



2022/2023





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FINANCIALS 2022/ 2023

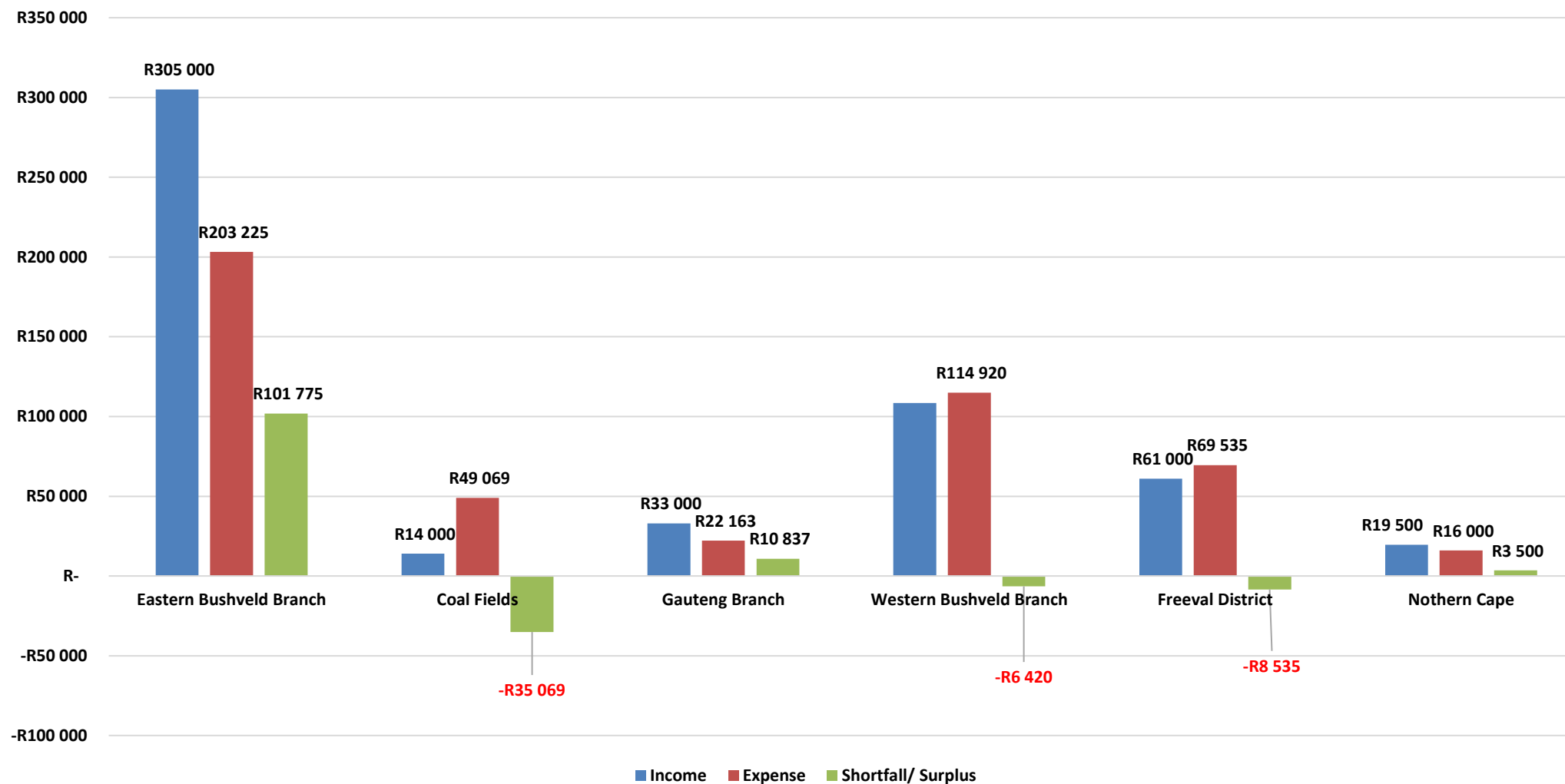
-Branches

FY 2022/ 2023: SANIRE BRANCHES



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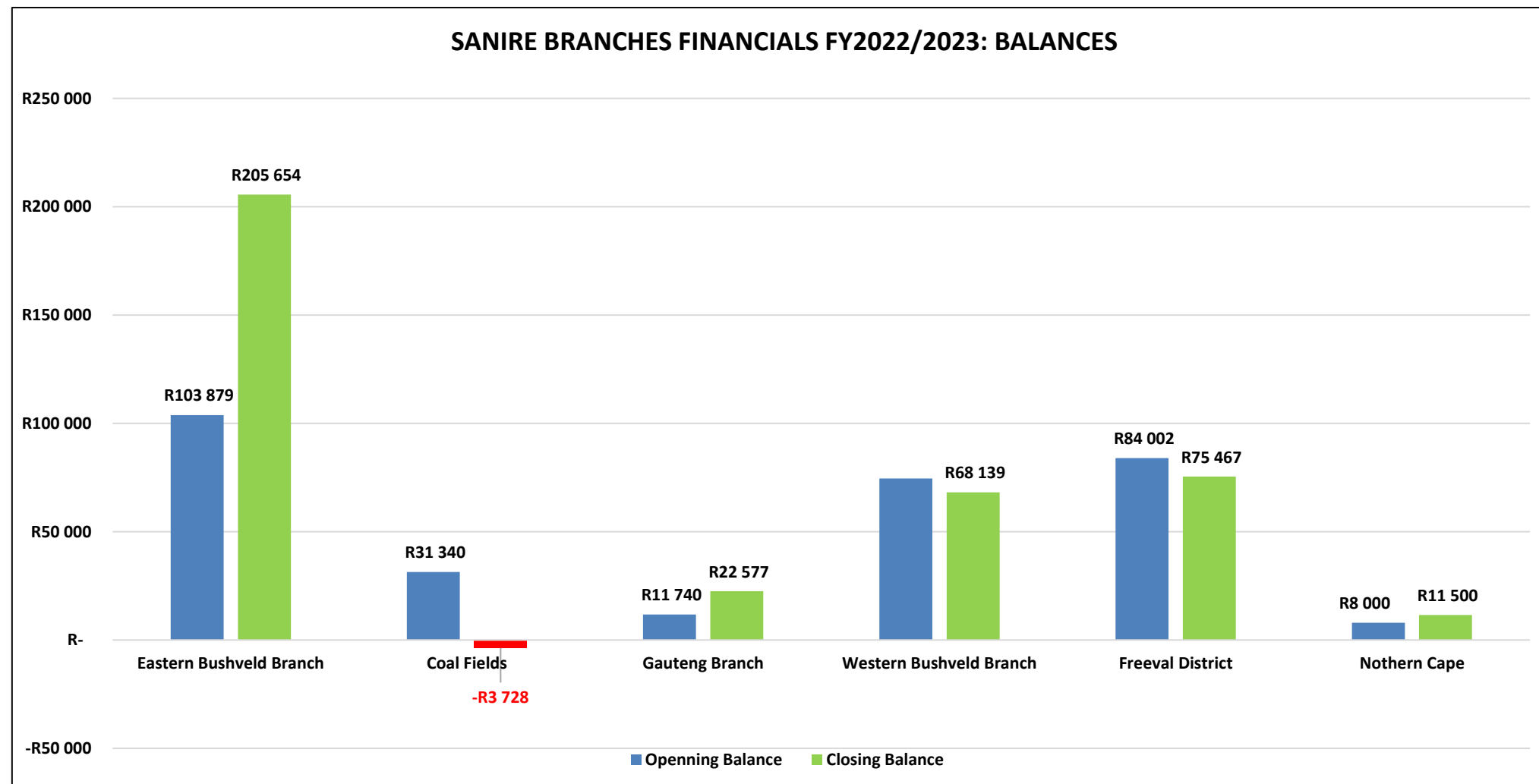
SANIRE BRANCHES FINANCIAL FY2022/2023



FY 2022/ 2023: SANIRE BRANCHES



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Membership Fees

FY2023/2024

SARS VAT REQUIREMENTS



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- SANIRE Council was advised by MPAS to register as a Vat Vendor in Terms the Vat Act No. 89 of 1991
- This legislative requirement is applicable to all Public Organizations that have an annual Turn-Over in excess of R1 Million per annum
- Council gave the necessary go ahead to MPAS to initiate this registrations in order to comply to the Laws of the country.
- VAT registration will result in a 15% increase on the Membership fees

Membership Fees 2023/2024



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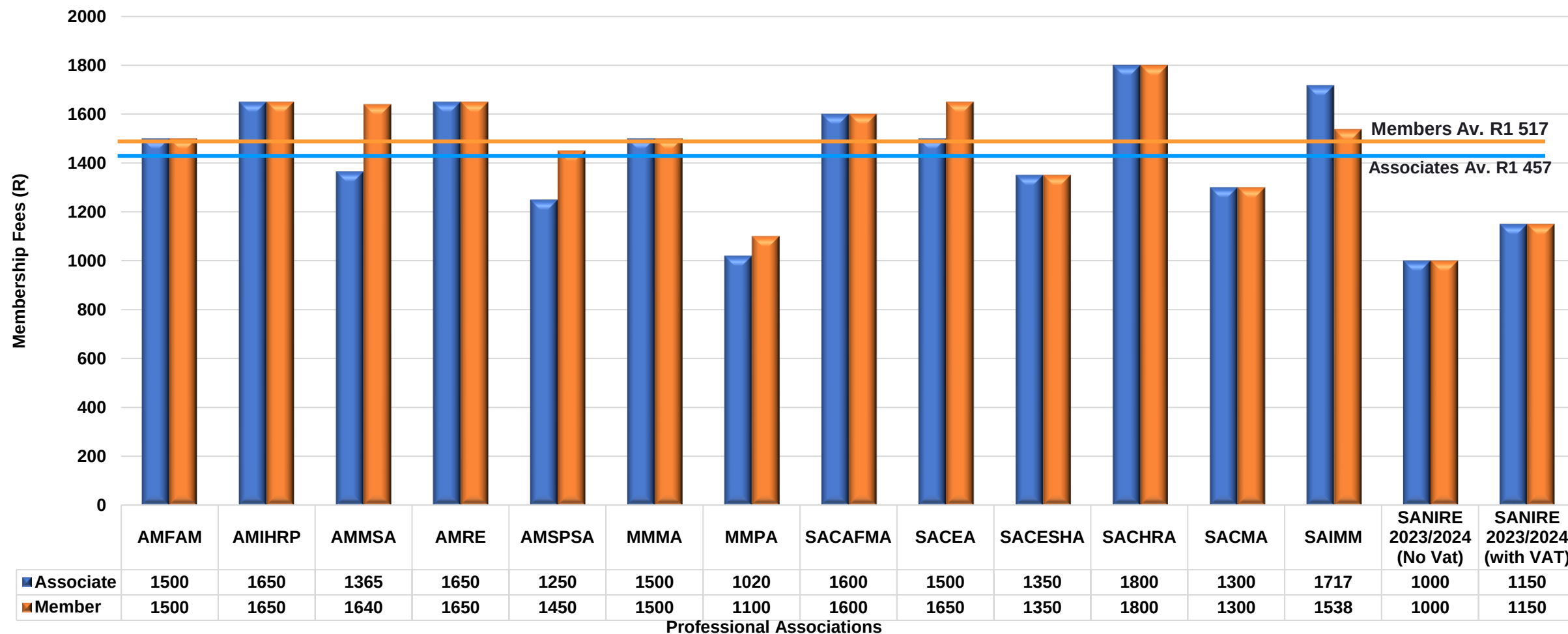
CATEGORY	Aug-23	Current Membership Fee FY 2022/2023 (R)	Income from Membership fees (No increase)	New Membership Fee FY 2023/2024 (R) (Including VAT)	Income from Membership Fees New Fees	% Increase per Membership Category due to VAT
Associate Members	410	1000	R 410 000	1150	R 471 500	15%
Members	125	1000	R 125 000	1150	R 143 750	15%
Fellow Members	16	1000	R 16 000	1150	R 18 400	15%
Retired Members	12	300	R 3 600	345	R 4 140	15%
Correspondence Members (Foreign)	3	1000	R 3 000	1150	R 3 450	15%
Honorary Life Members	5	0	R -	0	R -	
Honorary Life Fellow Members	14	0	R -	0	R -	
Student Members	5	0	R -	0	R -	
TOTAL MEMBERS:	590		R 557 600		R 641 240	
	Recovery rate	@90%	R 473 960		R 577 116	

VAT will be incorporated in to invoices as soon as SANIRE is registered with SARS

Membership Fees Benchmarking



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BUDGET FY2023 / 2024



Budget FY2023/ 2024: Expenses

Budget FY2023/2024

Expenses	Budget FY 2023/2024	Budget notes
Administration		
-MPAS, admin costs	R 738 307.44	Based on 7% escalation
-Third party audit	R 31 050.00	Based on 7% escalation
-Courier and handling fees	R 1 210.68	Based on 7% escalation
-Bank charges	R 4 125.60	Based on 7% escalation
-ISRM member fees	R 83 217.00	Based on 8 Euros per Member (~R160/ member for 500 members)
-Travel grant (ISRM Symp, Sal&Ortl awards)	R 177 000.00	Austria Rockbowl Teams (Based on latest flights and accomodation costs)
Meetings and Functions	R -	
- Bosberraad		No Bosberraad in 2024 planned
- Banquet	R 323 489.16	
- AGM	R 36 000.00	2023 AGM Venue costs is R34k
- Council Meetings	R 34 454.16	
- Symposium	R 403 490.16	Only one Symposium planned for FY2023/2024
-Awards	R 4 255.20	Aligned with previous figures +inflation
Practical Exams	R -	
- SCO Practicals	R 27 051.84	
- RE Practicals	R 25 000.00	RMC Prac venue sometimes a challenge- no mining company willing to host
Other	R -	
-Website hosting and Development	R 100 000.00	Planning major upgrades to Website- Username/login for members, Membership cert downloads
-Diary project	R 128 480.00	To be executed in 2024 and Diaries delivered in 2025
Total Expenses	R 2 117 131.24	

Budget FY2023/ 2024: Income



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	Budget FY 2023/2024		
-Member fees (90% recovery)	R	577 116.00	Based on a 90% recovery @Adjusted Fees of R1000/ member (No VAT)
-Symposium	R	600 000.00	Expecting a 8% increase from previous year Symp
-Banquet	R	323 489.16	Planned at break-even
-Rockbowl			Planned with Symposium
<u>SCO & RE exams</u>			
- SCO Prac Exam Oct 2022	R	45 000.00	
- SCO Prac Exam Mar 2023	R	40 000.00	
- RE Prac Exam Nov 2022	R	25 000.00	
- RE Prac Exam Mar 2023	R	25 000.00	
-Donations (donation for Austria Rockbowl Team.)	R	50 000.00	Rockbowl 2022 Team received a R65k donation
-News letter (RockTalk adverts)	R	80 000.00	Expecting a 9% increase from previous year performance
-Other (Interest from Savings account)		R55 000	
-Merchandise & book sales	R	5 000.00	
-Diary project	R	128 480.00	Planned at break even
Total Income	R	1 954 085.16	
Surplus/shortfall	-R	163 046.08	

Budget 2022/ 2023: Shortfall/ Surplus Analysis



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	Budget Income	Actual Income	Budget Expenses	Actual Expenses	Budget Shortfall/Surplus	Actual Shortfall/Surplus
FY 2019/2020	R 1 012 030	R 1 596 266	R 1 147 128	R 826 353	-R 135 099	R 769 914
FY 2020/2021	R 783 585	R 824 060	R 1 109 129	R 750 429	-R 325 544	R 73 632
FY 2021/2022	R 866 673	R 1 089 292	R 1 183 000	R 1 285 449	-R 316 327	-R 196 157
FY 2022/2023	R 2 208 611	R 3 078 399	R 2 373 900	R 2 789 154	-R 165 289	R 289 245
FY 2023/2024	R 1 954 085	-	R 2 117 131	-	-R 163 046	-



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Education
Petrie Wessels

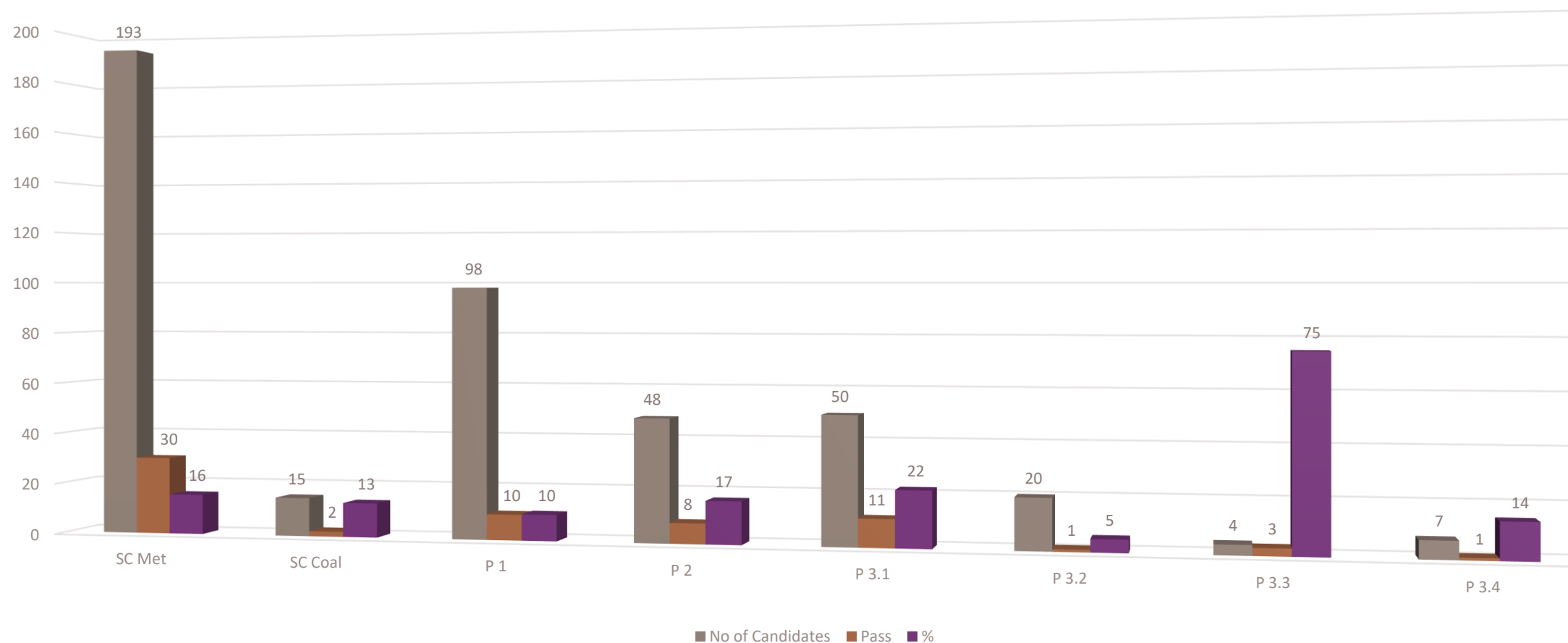


Theory Examination Results – May 2023



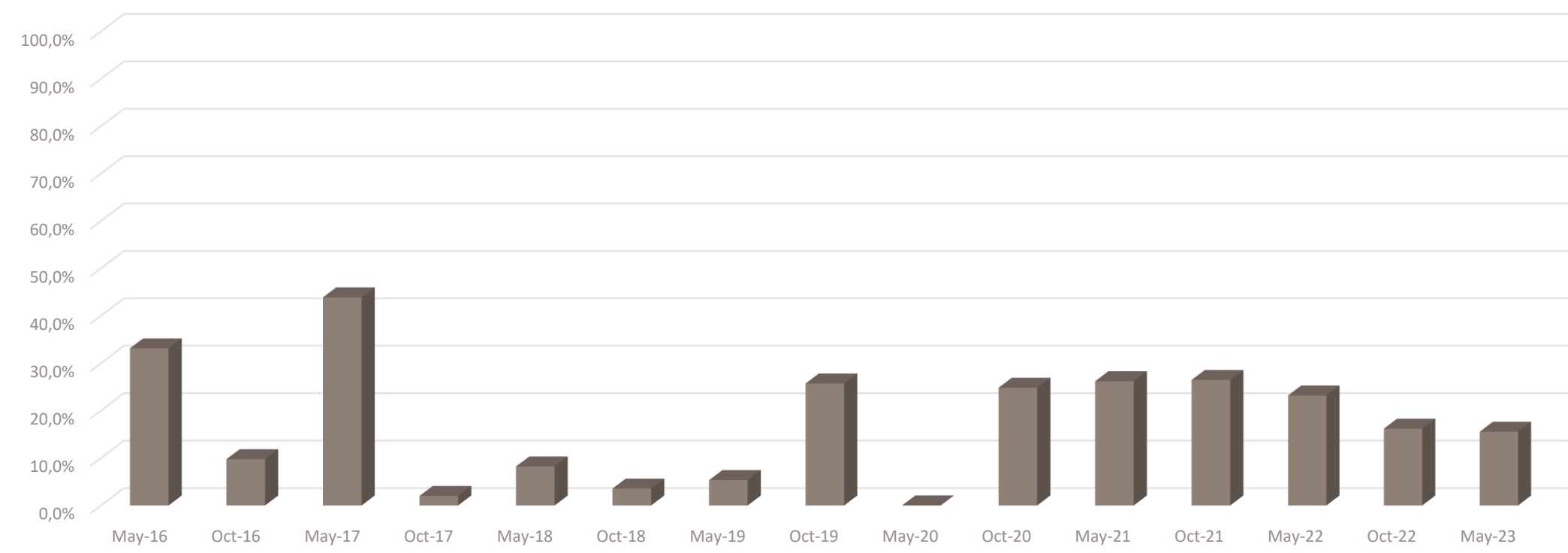
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May 2023 Examination Results



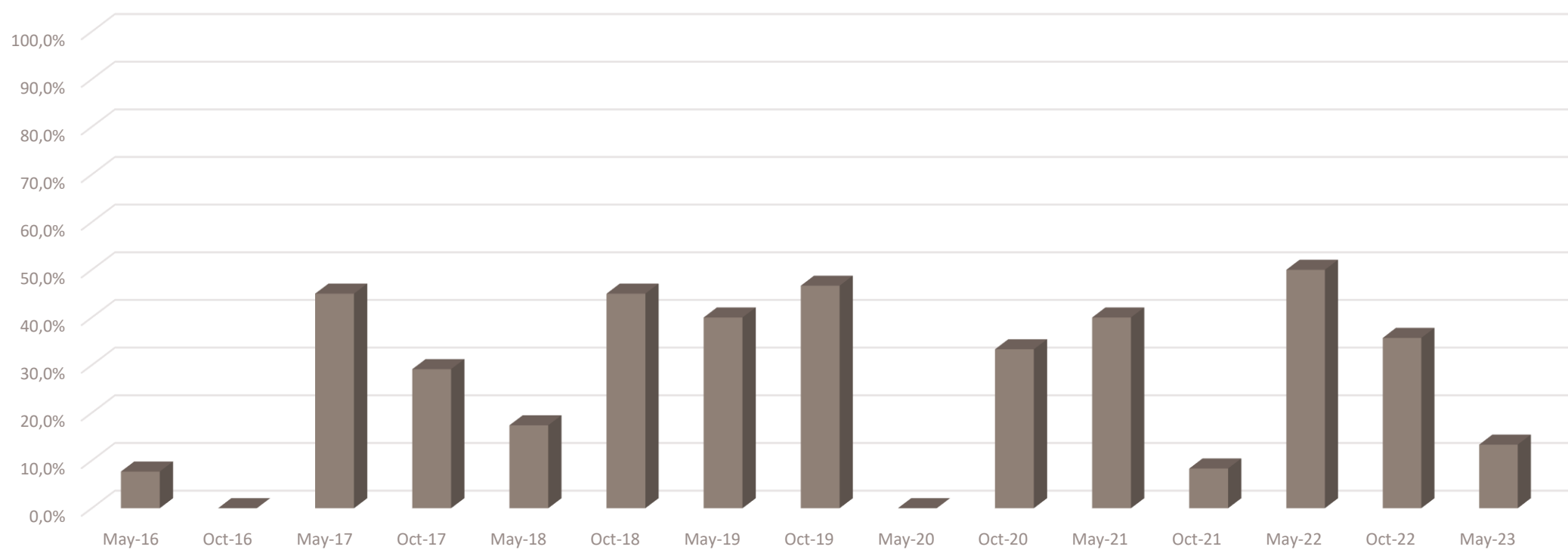
Theory Examination

SCO Met Pass Rate



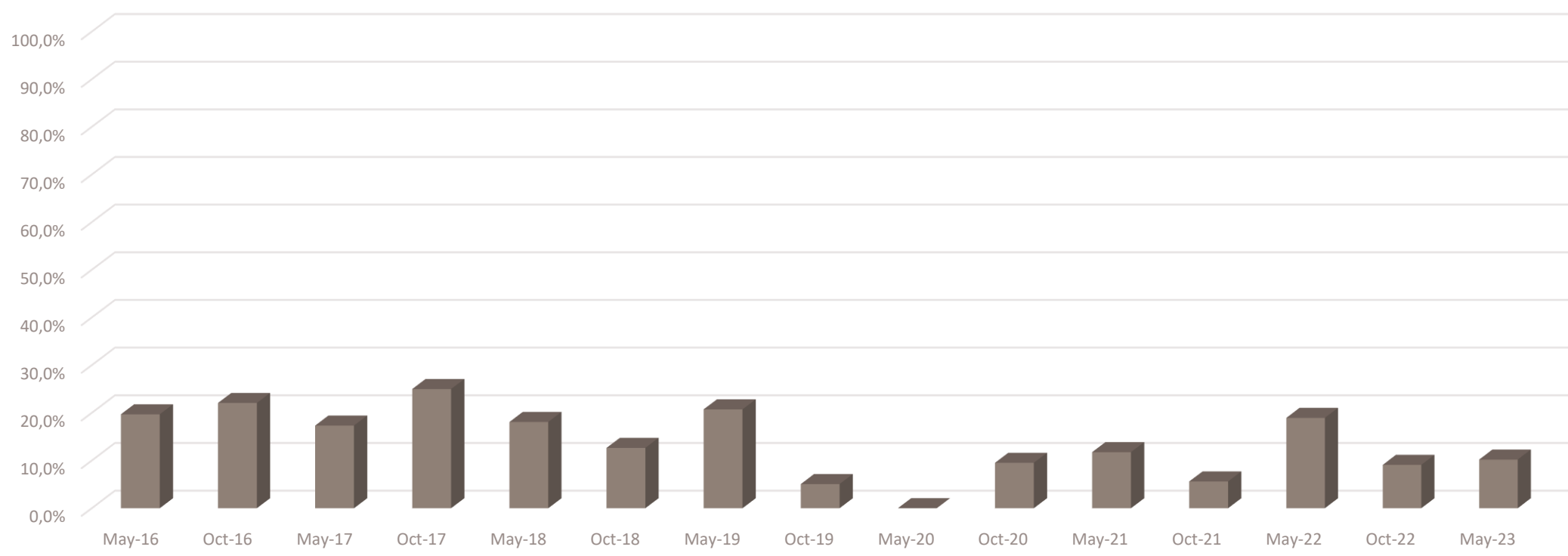
Theory Examination

SCO Coal pass Rate



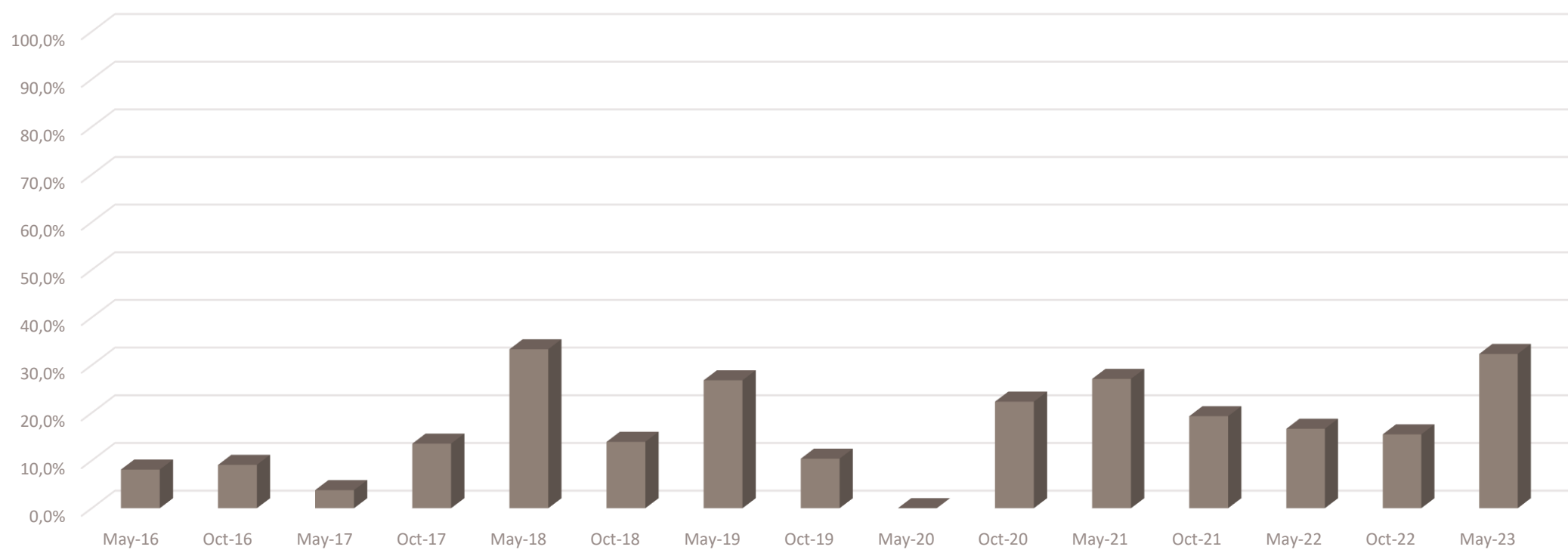
Theory Examination

RMC P1 Pass Rate



Theory Examination

RMC P2 Pass Rate

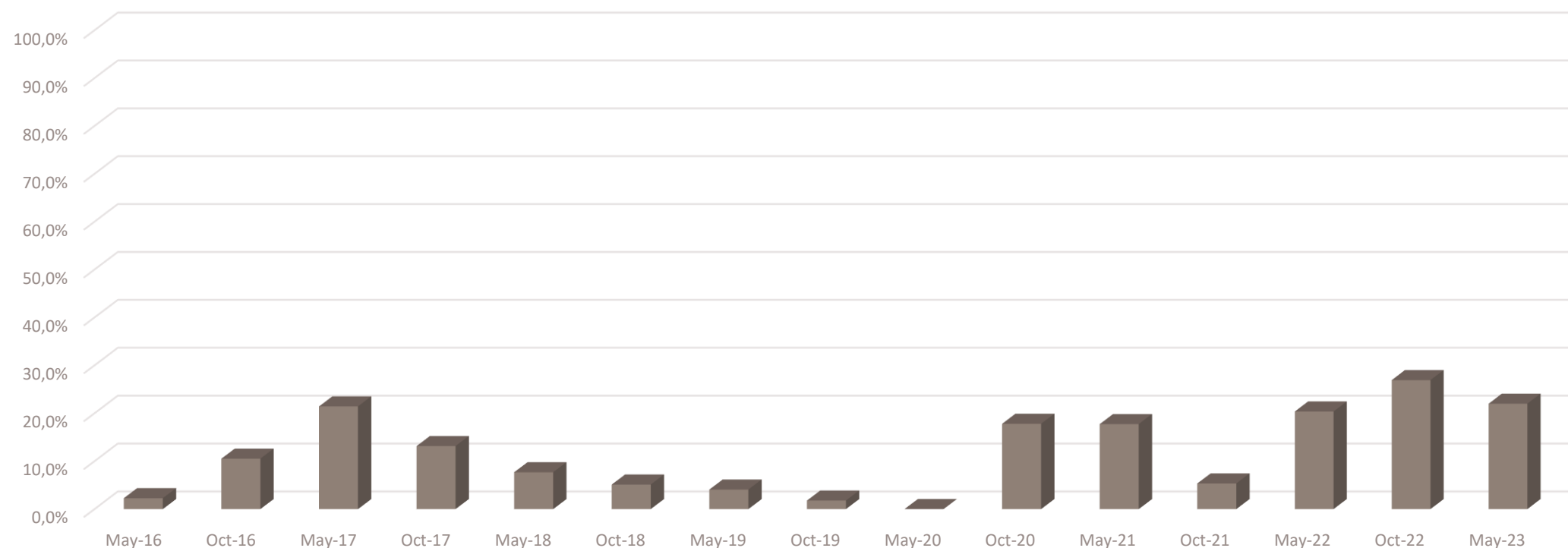


Theory Examination



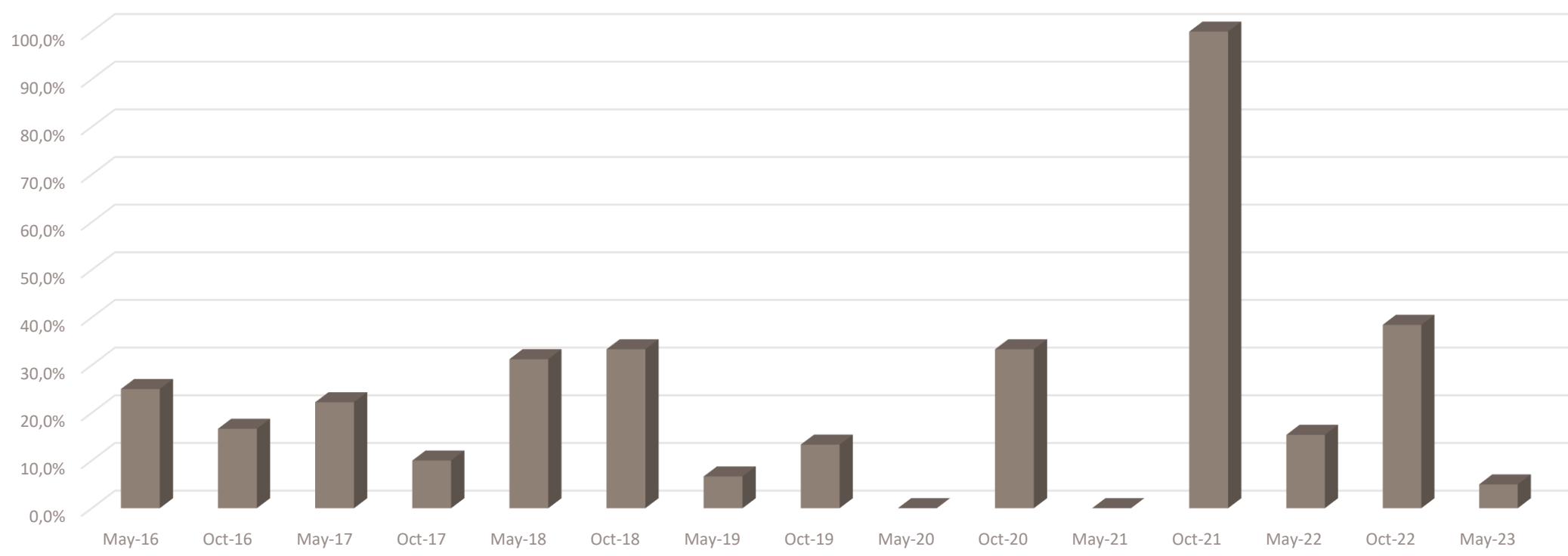
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RMC P3.1 (Hardrock) Pass Rate



Theory Examination

RMC P3.2 (Coal) Pass Rate



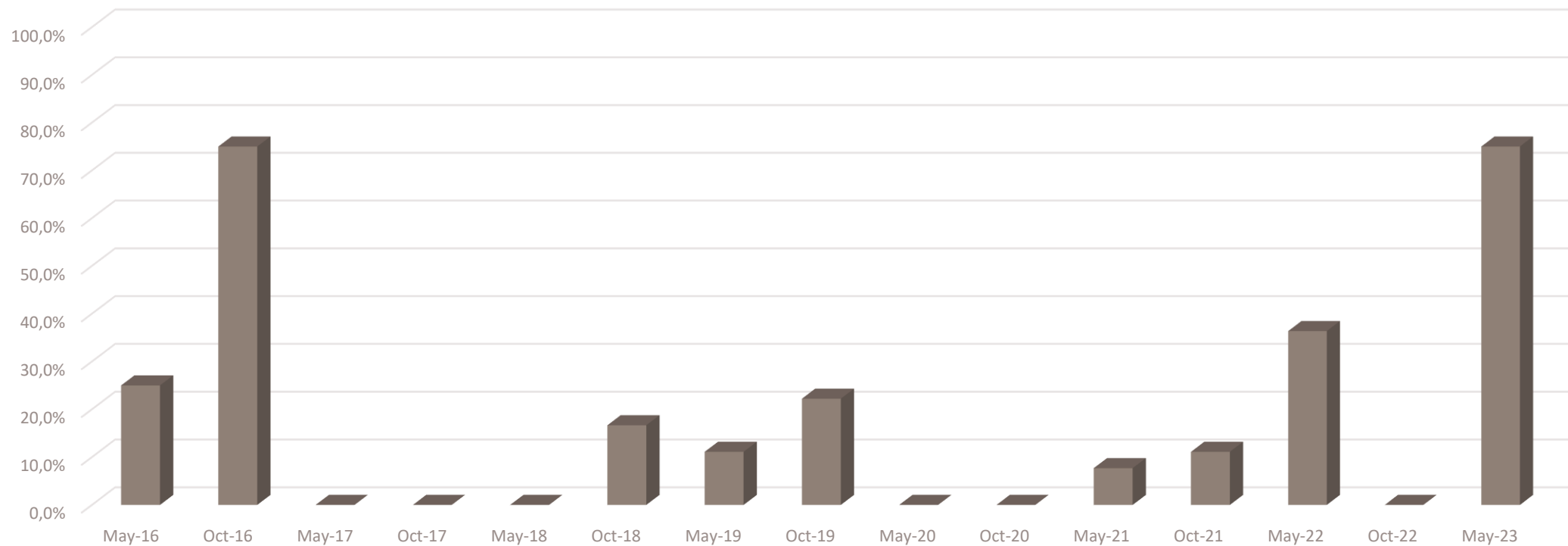
Theory Examination



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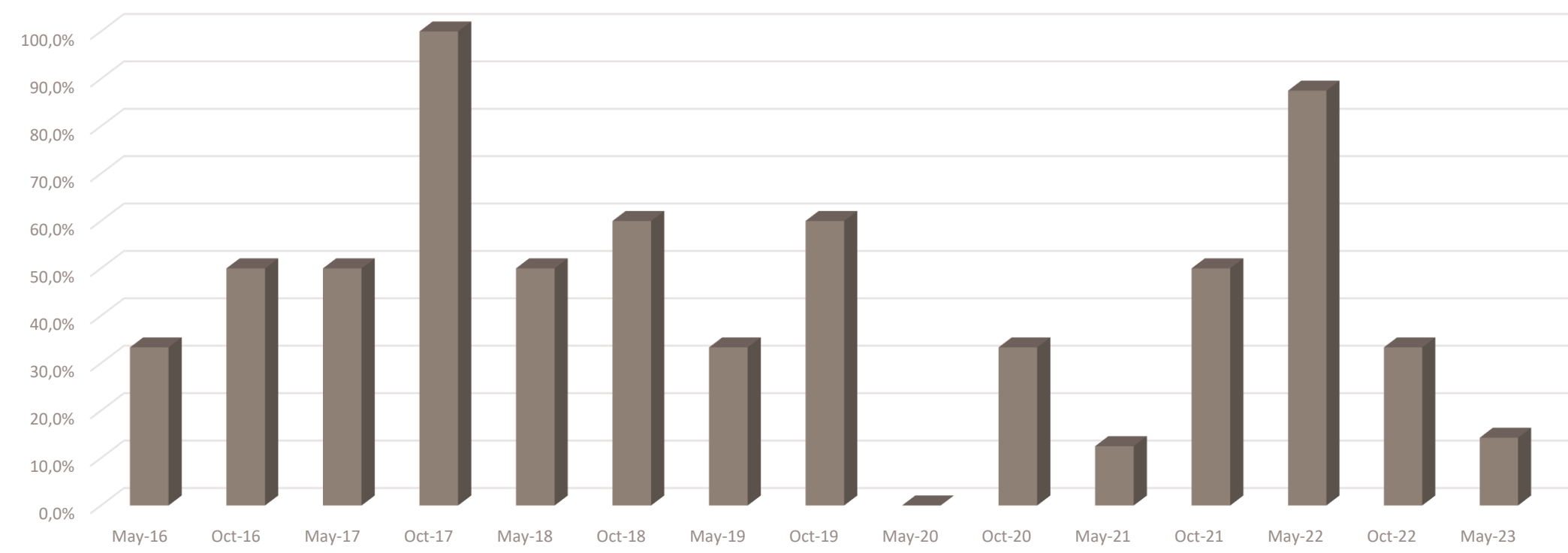
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RMC P3.3 (Massive) Pass Rate

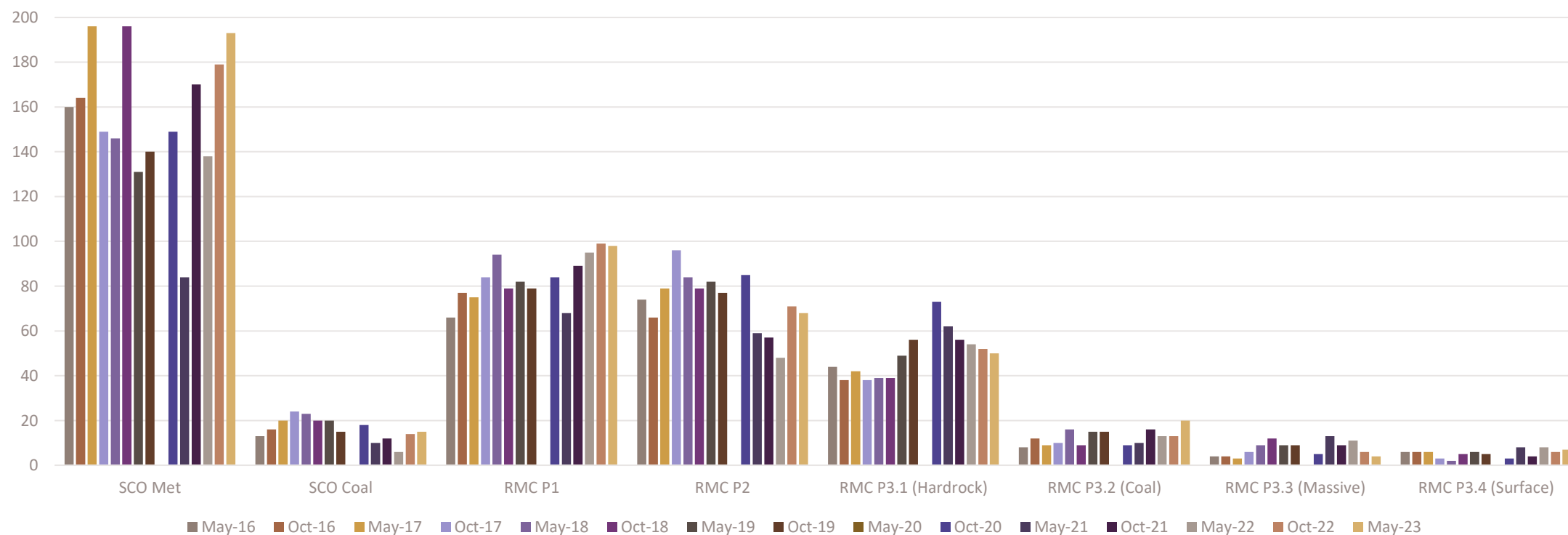


Theory Examination

RMC P3.4 (Surface) Pass Rate



Permit Type	May-16	Oct-16	May-17	Oct-17	May-18	Oct-18	May-19	Oct-19	May-20	Oct-20	May-21	Oct-21	May-22	Oct-22	May-23
SCO Met	160	165	195	148	145	195	130	140	148	148	170	178	138	178	192
SCO Coal	12	15	20	24	22	20	20	15	18	18	10	15	15	15	15
RMC P1	65	75	75	82	92	78	80	78	82	82	88	95	95	98	98
RMC P2	72	65	78	95	82	78	80	75	82	82	58	58	48	70	68
RMC P3.1 (Hardrock)	42	38	40	38	38	38	48	55	55	72	60	55	52	50	50
RMC P3.2 (Coal)	8	12	10	10	15	10	15	15	15	10	10	15	15	15	20
RMC P3.3 (Massive)	4	4	3	8	10	12	10	10	10	5	12	10	10	5	5
RMC P3.4 (Surface)	6	6	6	2	2	5	6	6	6	3	8	5	8	5	6

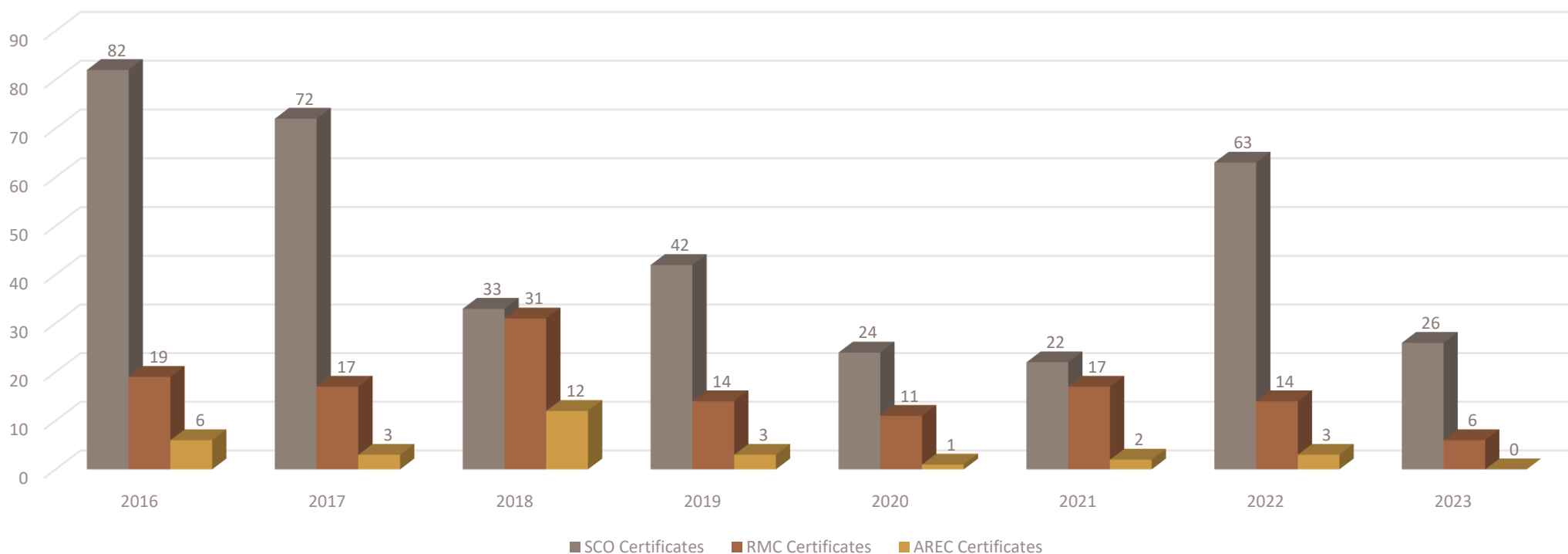


Certificates Issued



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Certificates issued



Examiners / Moderators



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Exam	2023 May		2023 Oct		2024 May		2024 Oct	
	Examiner	Moderator	Examiner	Moderator	Examiner	Moderator	Examiner	Moderator
SCO Met	Mbubelo Ngwenya	Lucas van Aswegen	Mbubelo Ngwenya	Yerisha Rajpal	Mbubelo Ngwenya	Yerisha Rajpal	Will continue but will prefer P1 as examiner or moderator	
SCO Coal	Cassius Selai	Rofhiwa Malogwa	Cassius Selai	Rofhiwa Malogwa				
P1	Sandor Petho	Obakeng Ramukukoe	Sandor Petho	Obakeng Ramukukoe	Sandor Petho	Obakeng Ramukukoe		
P2	Fezekile (Pearl) Mosiane	Shane Durapraj	Fezekile (Pearl) Mosiane	Shane Durapraj	Fezekile (Pearl) Mosiane	Shane Durapraj		Shane Durapraj
P3.1	Jeane Matsobane	Richard Lousteau	Jeane Matsobane	Richard Lousteau	Jeane Matsobane	Richard Lousteau		Richard Lousteau
P3.2	Nduduzo Khathi	Mandla Mazibuko	Nduduzo Khathi	Mandla Mazibuko	Not continuing	Not continuing		
P3.3	Thokozani Mtshali	George Louw	Thokozani Mtshali	George Louw	Thokozani Mtshali		Thokozani Mtshali	
P3.4	Thandile Dlokweni	Rob Armstrong	Thandile Dlokweni	Rob Armstrong	Thandile Dlokweni	Rob Armstrong		
1st exam								
2nd exam								
3rd exam								
Last exam								

SCO Practical Exams



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General Feedback: Oct 22 – May 23

- Exams held in every branch (center).
- Two exams were nullified:
 - Rustenburg (Oct 2022): due to paper leak.
 - Two candidates suspended for 24 months.
 - NC Metalliferous (May 2023): Candidates being examined by their supervisors.
 - Candidates redo the exams in October
- One center with 0% pass (Rustenburg – Oct 2022, **rehosted exam**)
- Average pass rate of 36% achieved

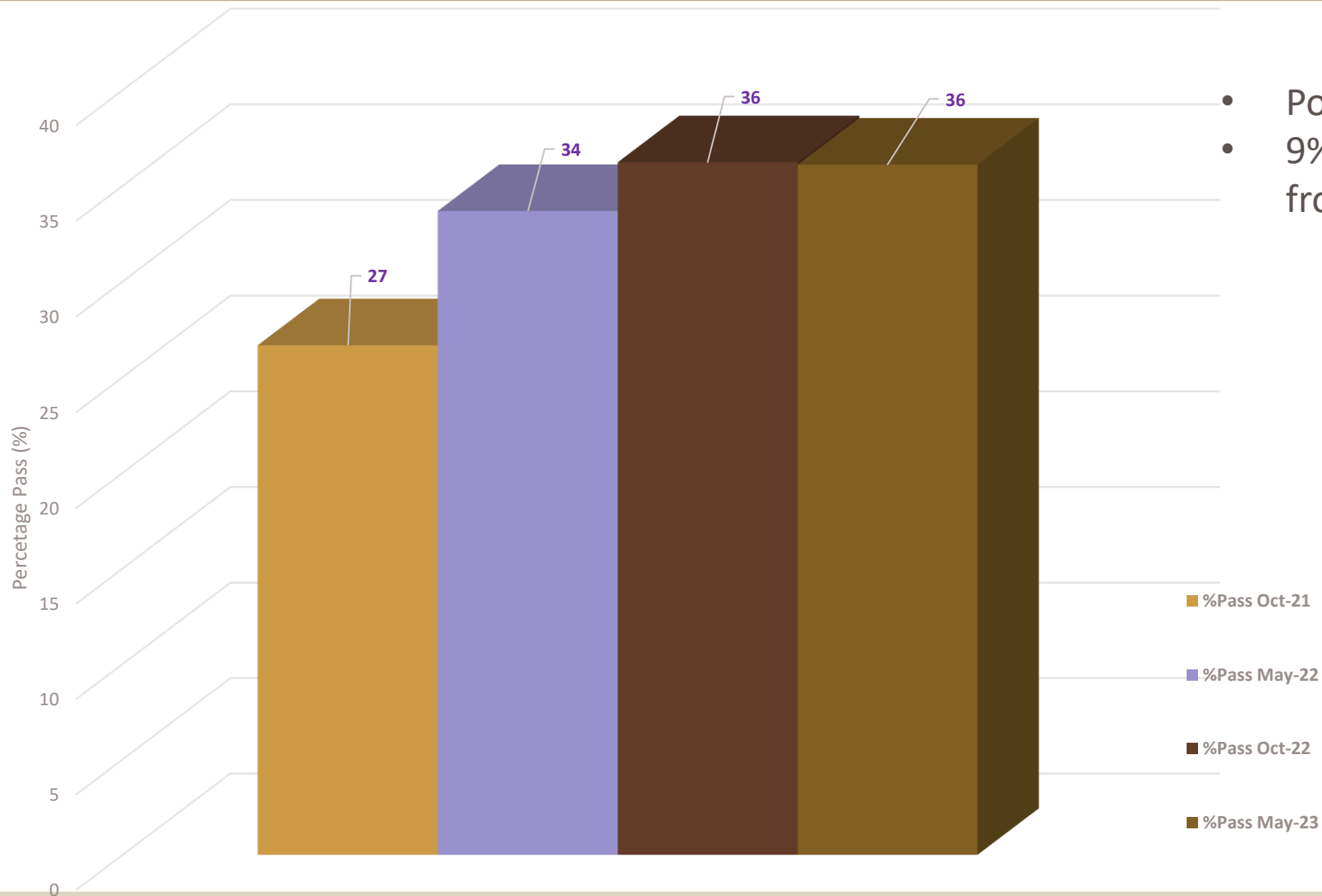
Learnings:

- An alignment session between exam coordinator and branches must take place before exam season starts.
- Exams may be treated as independent in instances where they are hosted in two mines for one center (e.g. Rustenburg).

SCO Practical Exams: Overall



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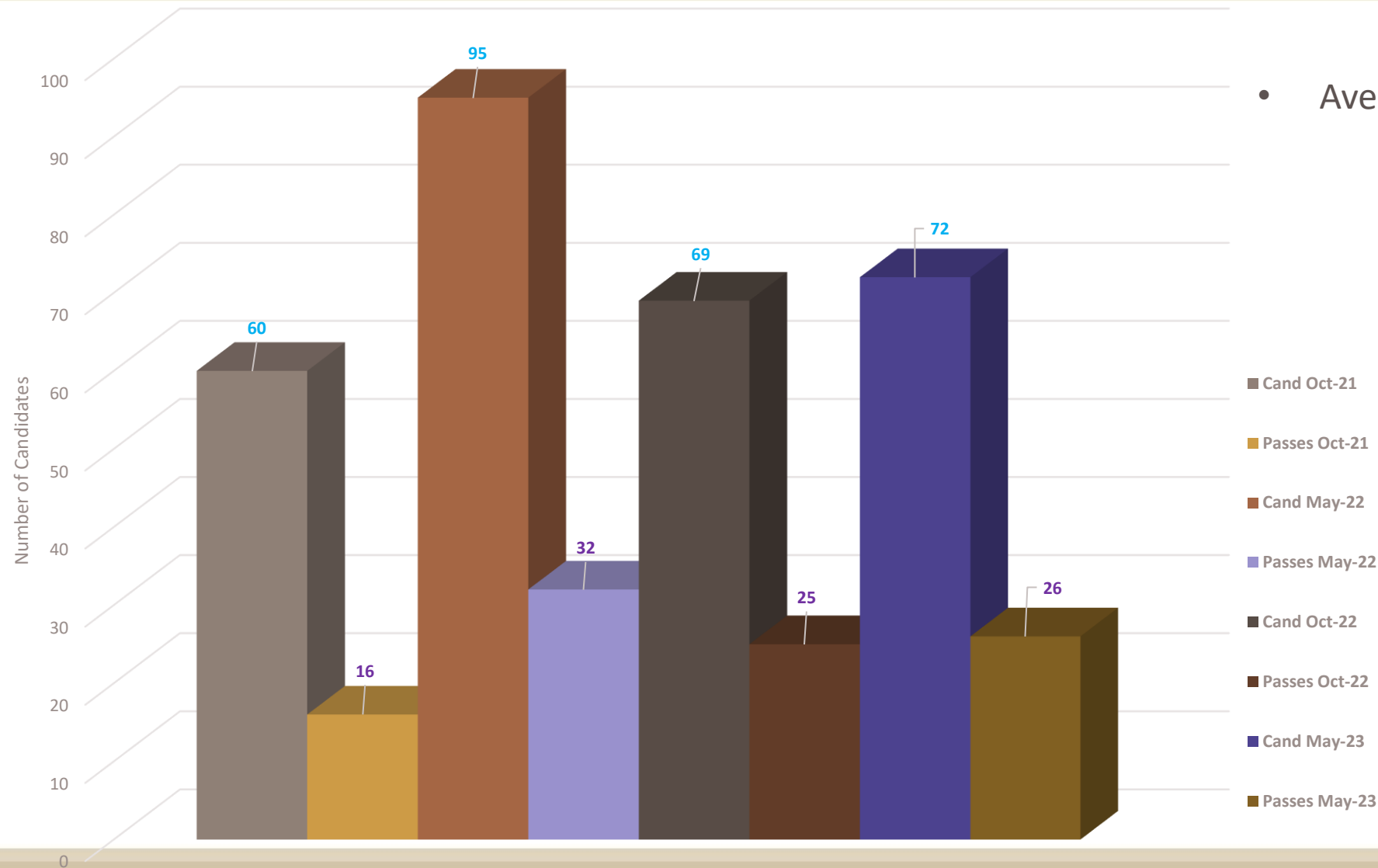


- Positive trend
- 9% increase in pass rate from Oct 21 – May 2022

SCO Practical Exams: Overall



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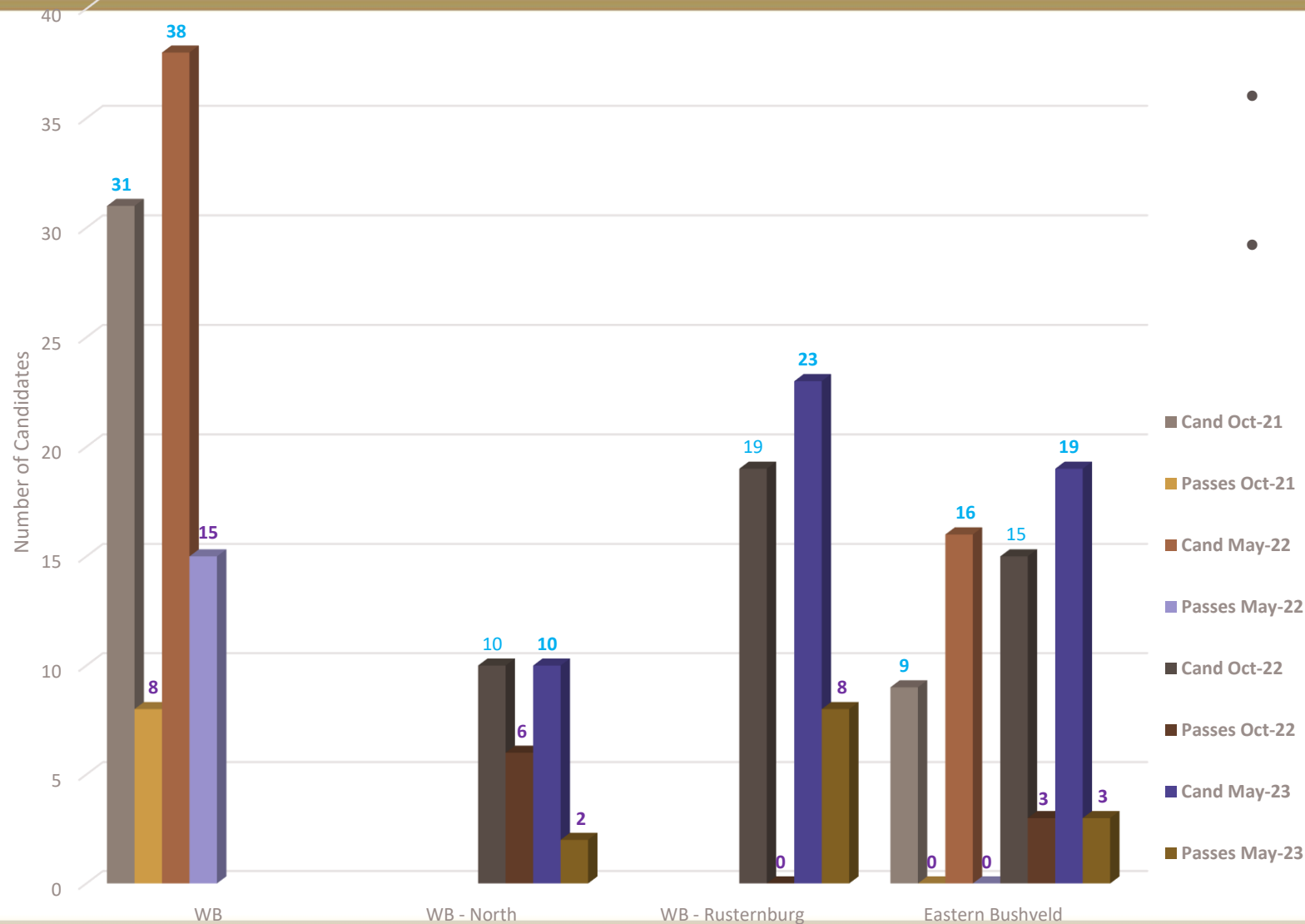


- Average candidate = 74

SCO Practical Exams



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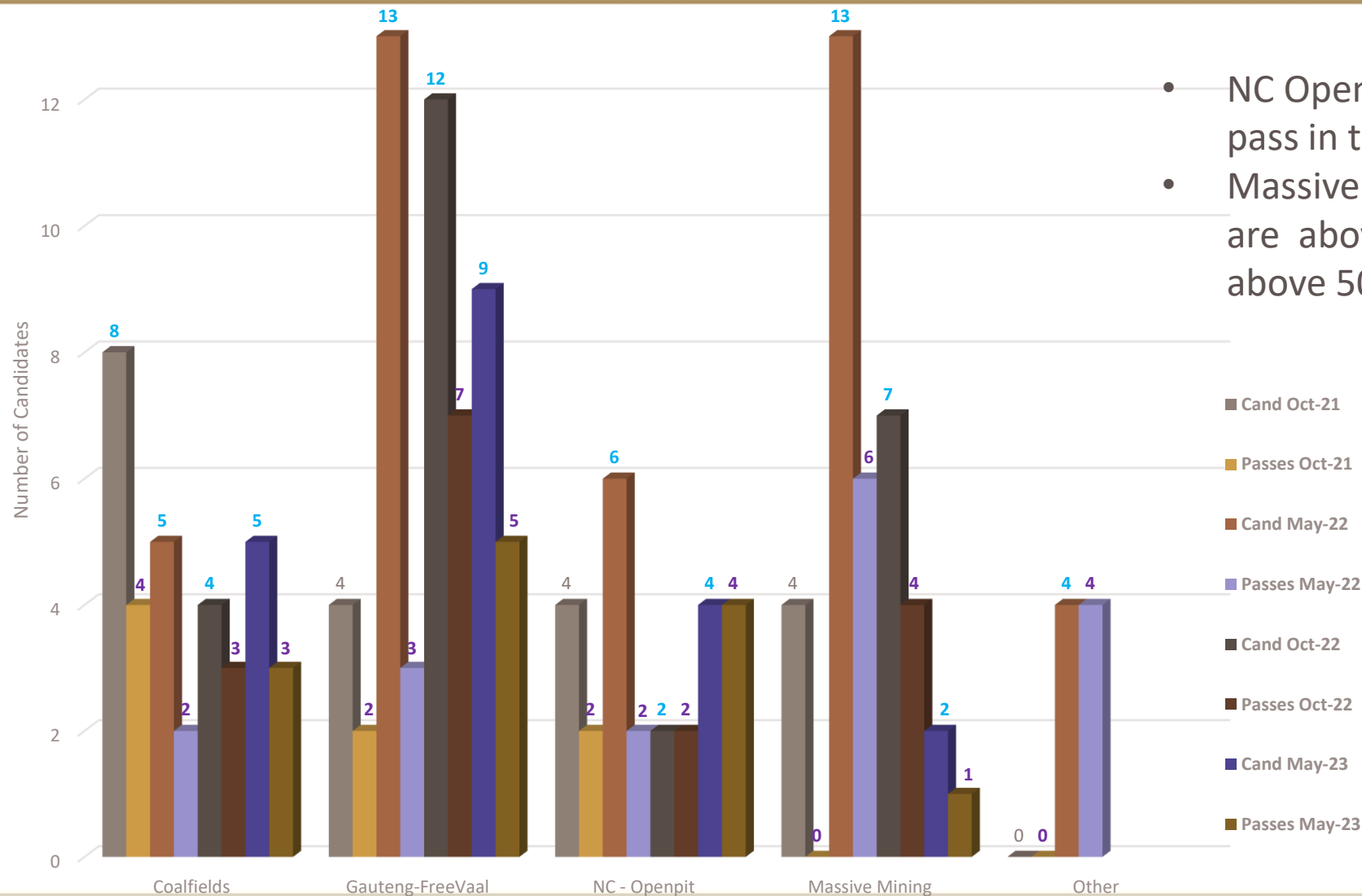
- WB split into Rust and North for stats purpose from Oct 2022
- WB Rust = 0% pass in Oct 22

SCO Practical Exams



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14



- NC Openpit achieved 100% pass in the last two exams.
- Massive mining & Coalfields are above in the three exams above 50%.

Rock Engineering Practical Examinations Reflection

Thandile Dlokweni

31 August 2023

RE PRACTICAL EXAMINATIONS

MAY 2021

Total No. Candidates – 19

Tickets Issued – 7

- 5 MET
- 2 MASSIVE

NOVEMBER 2021

Total No. Candidates – 19

Tickets Issued – 8

- 1 MASSIVE
- 1 SURFACE
- 5 MET

MAY 2022

Total No. Candidates – 20

Tickets Issued – 4

- 4 MET

NOVEMBER 2022

Total No. Candidates – 29

Tickets Issued – 10

- 2 COAL
- 1 MASSIVE
- 7 MET

MAY 2023

Total No. Candidates – 27

Tickets Issued – 6

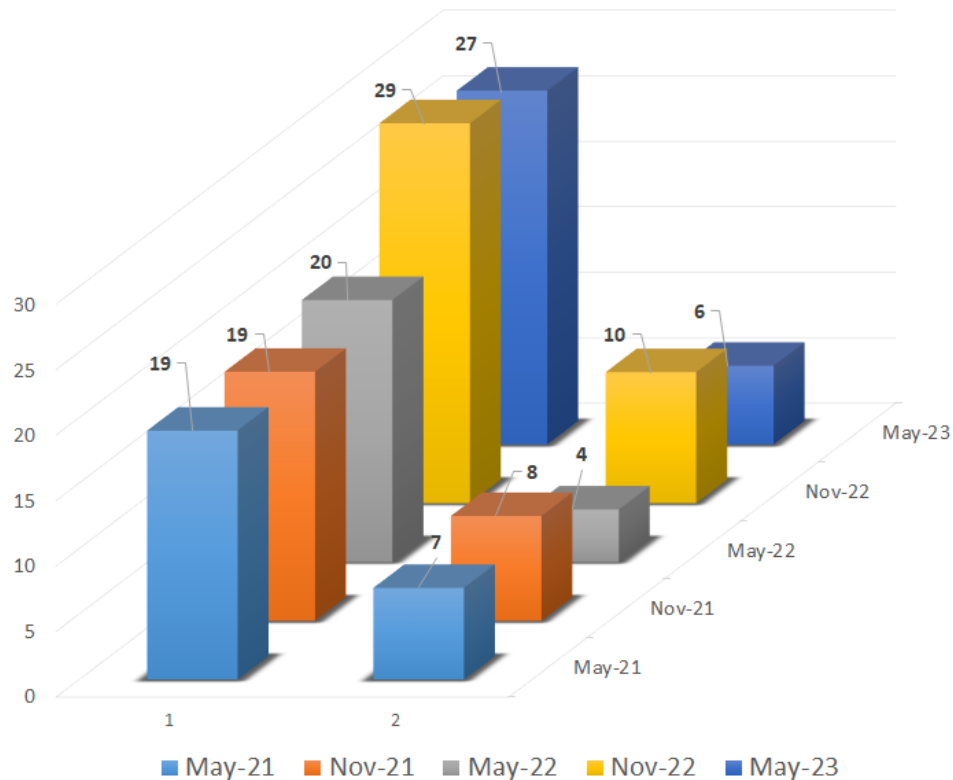
- 1 OPEN PIT
- 5 MET

RE PRACTICAL EXAMINATIONS

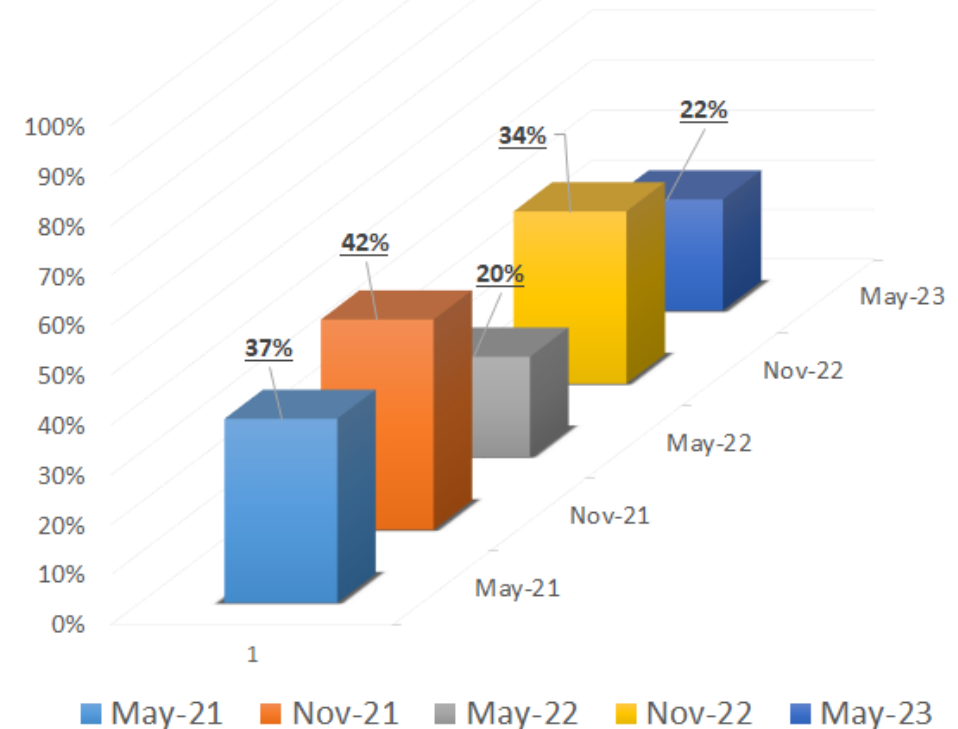
- **27 x Candidates** for the May 2023 Exam
- **6 x Certificates Issued**

- **22 % Pass Rate** in May 2023
- **Pass rate generally flat (2021 – 2023)**

RMC Practical Candidates vs. Certificates Issued



RMC Practical Pass Rate



RE PRACTICAL EXAMINATIONS

Updated Guidelines to be Published

- **Updated 2023** Practical Examination Guidelines
- **October 2023 Exams:** Examiners and Moderators have been appointed
- **2024 Exams:** Examiners and Moderators have been appointed
- **Planning Exams:** Maintain the approach of mining method / commodity-specific examiners
- **Portfolio Exams:** We rely on Mentors to ensure Governance, Report Quality & Requirements



Rock Engineering Certificate Practical Examination Guideline – 2023

1. Introduction

These guidelines are drawn up for the purpose of determining the ability of the candidate to operate in his/her expected field of expertise. The candidate should have completed his/her three theoretical subjects (Paper 1, 2, 3) in previously written examination sittings as stated by the examination rules prior to registering for the Rock Engineering Practical Examination. The Practical Examination comprises the portfolio review and the planning sections.

The Minerals Council “Chamber of Mines Rock Engineering Certificate” Practical Evaluation is regarded as the final evaluation of a candidate’s ability to practice as a Rock Engineer in his area or field of expertise.

Currently, the term “Rock Engineer” is an accepted South African mining industry qualification recognized by the MHSA / government and industry of a person capable of practising in South Africa. It is thus the duty of the SANIRE Council and the SANIRE Examinations Committee to ensure that all candidates are properly assessed to ensure that the industry is supplied with suitably qualified expertise. As the evaluation can only test a small percentage or section of the candidate’s ability, it is imperative that both mentors and examiners ensure that the candidate is adequately experienced prior to the assessment. The evaluation of the candidate thus strongly rests on the opinion formed of the candidate’s record of learning (portfolio) and his mentor’s views.

RE PRACTICAL EXAMINATIONS

As in the recent past, the pass mark for the RMC Practical Assessment (and the individual sections) remains at **least 60%. It is up to the examiners to determine the pass mark, however the pass mark should not be less than 60% and not more than 80%.** Candidates need to pass both sections to pass the assessment.

The set of examiners for each section **must unanimously agree on the candidate's marks and in case of a pass,** that the candidate has demonstrated the minimum standard of knowledge required to practice as a rock engineer in industry. **Competencies will form the basis of mark allocation i.e. the candidate's portfolio of evidence must show that he/she is competent in specific tasks e.g. data gathering, geotechnical mine layout/slope design, support design, use of numerical modelling, geotechnical risk assessment, defining clear and concise problem statement and practical, clear and concise recommendations, etc.**

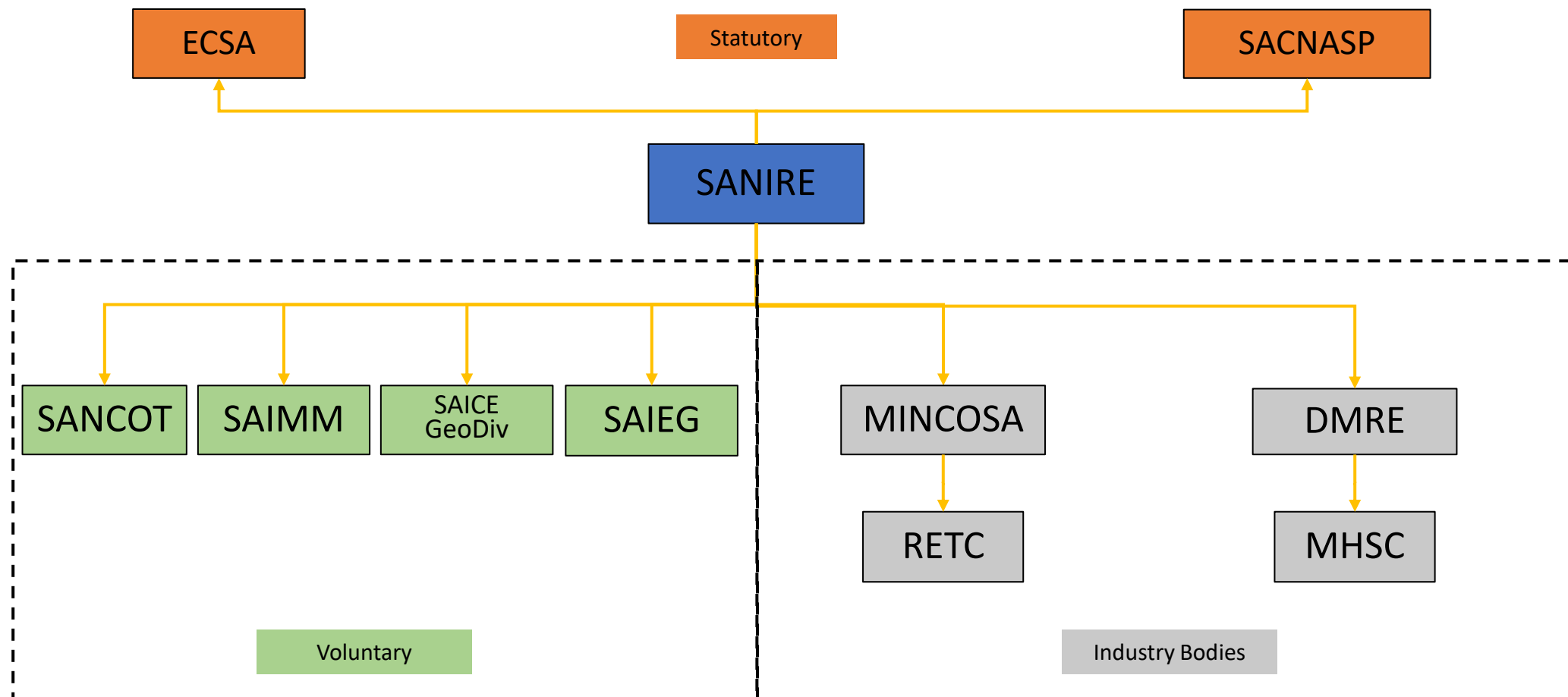


Organisational Liaison





SANIRE NETWORK



Organisational Liaison



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- **ECSA: No New Developments on ECSA:**
 - Identification of Engineering Work (IDoEW) – Gazetted 26 March 2021
 - ECSA is currently engaging various stakeholders that are affected by the IDoEW regulations
 - SANIRE to request ECSA for the stakeholder presentation.
 - ECSA Code of Practice for The Performance of Mining Engineering Work
 - Final draft by the working group on 31 July 2023
 - Broader consultation webinar held on 21 August 2023
 - Deadline for broader consultation comments is on 4 September 2023
 - Members are urged to submit comments

Organisational Liaison



- DMRE: MHSC
 - GUIDELINE FOR THE COMPILATION OF A MANDATORY CODE OF PRACTICE TO MITIGATE GEOTECHNICAL RISK IN MINES: Eminent
 - MHSA: Chapter 2 regulation - APPOINTMENTS, DUTIES AND RESPONSIBILITIES, awaiting feedback from MHSC

Organisational Liaison



- MCSA:
 - FOGAP:
 - Updating of learning rock engineering learning material in partnership of SANIRE
 - Development of the industry seismic hazard management guideline with endorsement from MHSC
 - MOSH:
 - Current Leading practice: Improved Underground Workface Visibility “Stope lights”
 - Upcoming leading practice: Permanent Workfare Areal Mesh – Launch 28 Sep 2023



Organisational Liaison



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South African National
Committee on Tunnelling

- **SANCOT**

- New Chairperson and vice chair elected for the new term starting in October 2023
- Planning 2024 seminar for the 1st Quoter in Cape Town. Date and venue TBC

- **SAICE – Geo Div**



South African Institution of Civil Engineering

GEOTECHNICAL DIVISION

- South African Young Geotechnical Engineers Conference (SAYEG) 2023 - 13 - 15 September at Oubaai Hotel in George.
- The 2nd South African Geotechnical Conference will be organized in 2024.
- Continuing with the evening lectures
- 20th Jennings Lecture - October/November 2023 (TBC)

Organisational Liaison



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- **SAIEG**

- No updates from SAIEG



- **General**

- To improve collaboration with other association bilateral engagement, need to be scheduled for better alignment and identification of synergies.

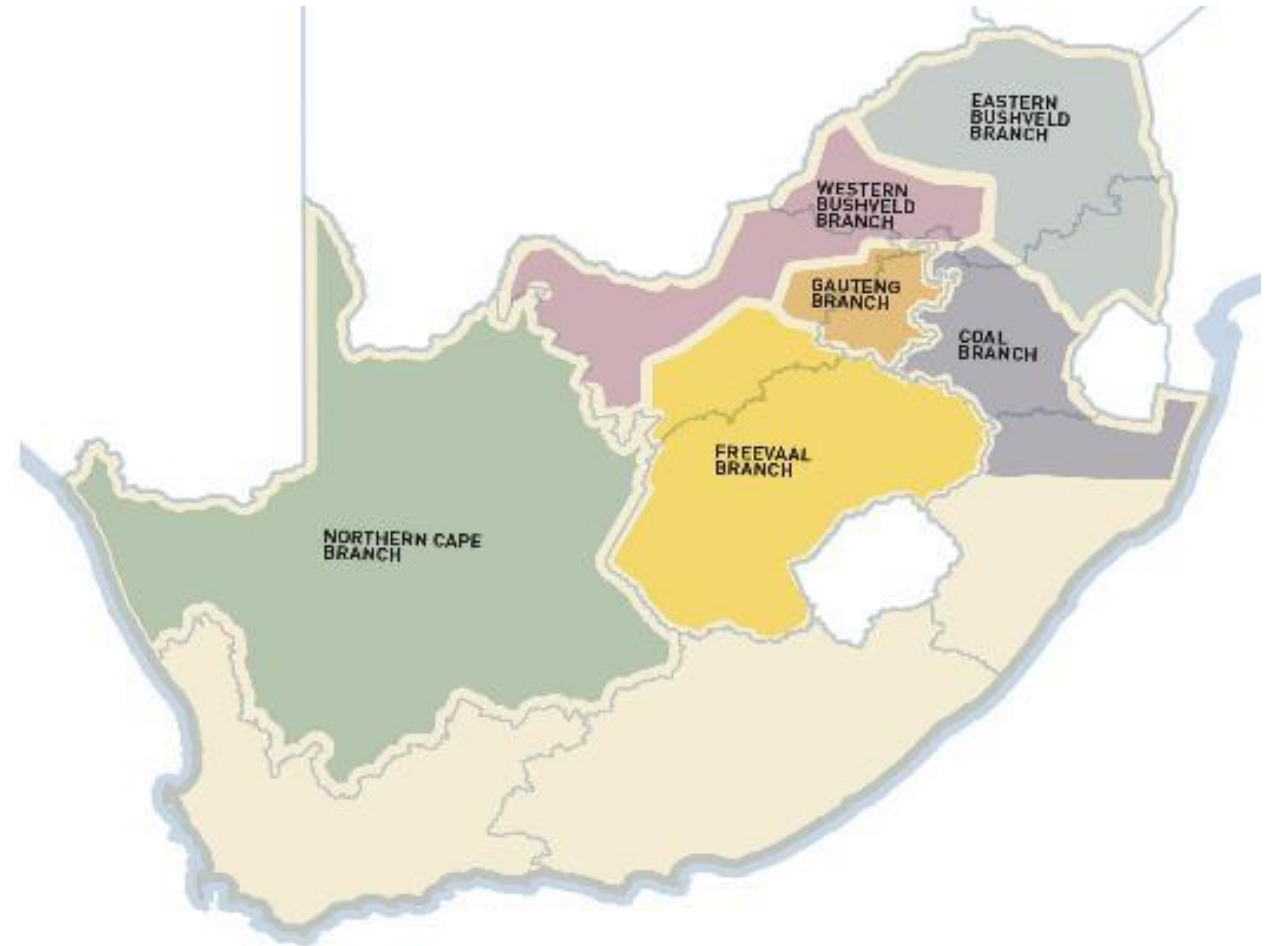


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ISRM



Branches



Billy Mashiatshiti



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Western Bushveld Branch

EVENTS 2022: Western Golf Day



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WESTERN BUSHVELD BRANCH

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Golf Day 2023

Date: Friday 17 Feb 2023

Location: Mooi-nooi Golf Course

Time: 7.30 Registration

Tee : 9:00 Tee Time




SANIRE WESTERN BUSHVELD BRANCH GOLF DAY



www.sanire.co.za

www.sanire.co.za

EVENTS 2022: Western Branch Meeting



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WESTERN BUSHVELD BRANCH

Quarterly Meeting

Date: Thursday, 27 July 2023
Location: Impala Bowling Club – opposite Impala Rugby Club
(Corner of Tuin ST. and Fatima ST.)
Rustenburg
Time: 14h00 for 14h30





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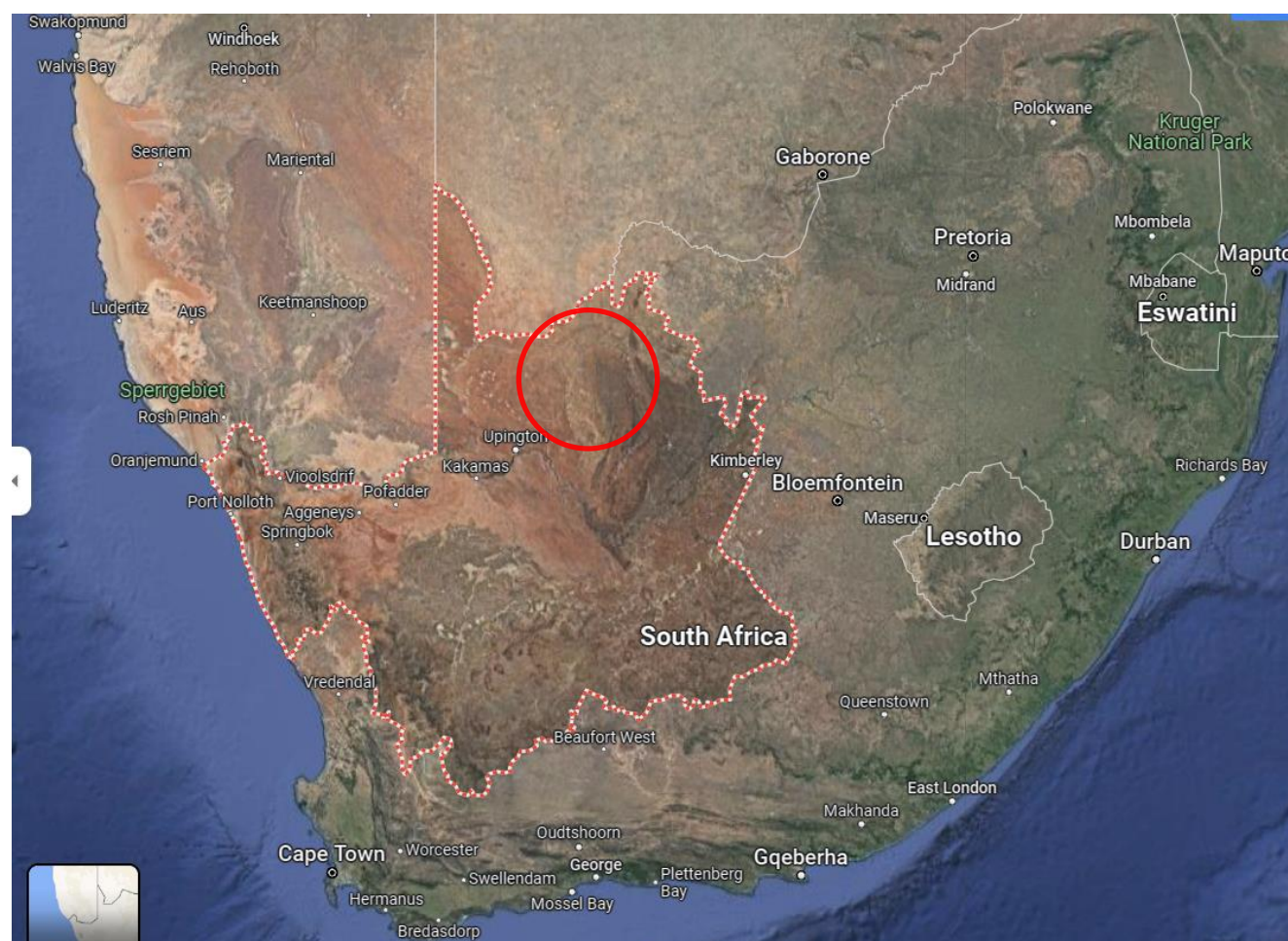
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Northern Cape Branch

Location



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Regional Details

- Area: 372 889 km²
- Population: 1.2 million people

Companies/Players:

- Kumba Iron ore
- Assmang
- S32, BMM, TB

Minerals:

- Iron ore
- Manganese and
- Diamond mines, Zinc

Sanire Council Tour - NC



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NORTHERN CAPE BRANCH

SANIRE COUNCIL TOUR COMING TO NORTHERN CAPE BRANCH MEETING & TECHNICAL VISIT

08 FEBRUARY 2023

The Northern Cape Branch will hold a Branch Meeting and Technical Visit on the 08 February 2023.

Program for the day:

9h00 – 13h00: Technical visit to Assmang Khumani Mine.

*Technical Visit is unfortunately FULLY BOOKED

14h00 – 17h00: Branch Meeting at Namakwari Lodge, Kathu. Refreshments and dinner will be provided.

We are excited to announce our two Technical presenters at the meeting:

1. Jaco Venter – Mining open pit over old mined out workings
2. Rhenus Asivhanga – Mining open pit over cavities and natural voids

Thank you to our confirmed sponsors who will be presenting:

REUTECH / GROUNDPROBE / MARSHALL DEVELOPMENT / IDS / VIDEX MINING

The branch will, during this meeting, vote in a new branch committee, and we therefore call upon you to participate in this.

Please indicate in your RSVP whether you will attend the site visit and or the branch meeting.

Members are urged to RSVP by contacting:

Mbalenhle Buthelezi (mbalenhle@mpas.org.za) by 06 February 2023.

For more information Mbalenhle Buthelezi

e: mbalenhle@mpas.org.za

W: www.sanire.co.za

f: @SANIREofficial

Technical Visit: (Sinkhole/Cavity)

- Bruce mine (Pillar mining, Dump vs Pit & Slope design)
- King mine (Cavity and progress of backfilling)

Branch Meeting:

- Technical papers:
 - Cavity Management – Sishen mine
 - Sinkhole – Khumani mine
- Suppliers (Products)
 - IDS GeoRadar
 - Marshall Development
 - Reutech Mining
 - GroundProbe
- Elections of the new committee:

Technical Visit



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NC Branch Meeting-08 Feb



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Presentations



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Branch Committee



Name	Position
Billy Mashiatshiti	Chairperson
Gerald Gainsford	Vice-Chairperson
Jeevan John	Secretary
Radifadi Mamabolo	Treasurer
Daniel Blom	Suppliers Rep
Naledi Letlape	Young Members



Sanire NC Q2 Branch Meeting



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NORTHERN CAPE BRANCH

Quarterly meeting

SANIRE NORTHERN CAPE BRANCH WOULD LIKE TO INVITE YOU TO OUR SECOND
QUARTERLY MEETING FOR 2023 ON

17 MAY 2023

TIME : 12:30 for 13:00

VENUE : NAMAKWARI LODGE
KATHU, NORTHERN CAPE

Presentations



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Sanire NC Q3 Branch Meeting



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NORTHERN CAPE BRANCH

Quarterly meeting

SANIRE NORTHERN CAPE BRANCH WOULD LIKE TO INVITE YOU TO OUR THIRD
QUARTERLY MEETING FOR 2023 ON

14 SEPTEMBER 2023

SAVE THE DATE

TIME : To be announced later (Anticipated from 9:30am)

VENUE : NAMAKWARI LODGE

KATHU, NORTHERN CAPE

Conclusion



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Challenges:

- Skill retention / High turnover
- Small operations not well resourced
- Dolomite risk

Way forward:

- Building the branch
- Development of young generation
- Establish a firm support base

FUTURE LOOKS BRIGHT NC !!!!!



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FreeVaal Branch

EVENTS 2022 2023: Free-Vaal Branch Meeting



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Free – Vaal Branch meeting and Mini Rock Bowl

Date: 1 June 2023

Location: Bundu Game Lodge (R70 Welkom/Riebeeckstad, Map included)

Time: 9h30 for 10h00





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Eastern Bushveld Branch

EVENTS 2022 2023: Eastern Bushveld Branch Meeting



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INVITATION TO THE SANIRE EASTERN BUSHVELD BRANCH Quarterly Meeting

03 March 2023

Location: **Tubatse Chrome Golf Club**

Time: **08h00 for 08h30**

RSVP: **24 February 2023** to Benjamin.smit@norplats.co.za

Please indicate if and how many attendees will stay for lunch

There will be a prize for the best rock engineering presentation

Sponsor:



EVENTS 2022 2023: Eastern Bushveld Branch Meeting



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HIGHLAND GATE
GOLF AND TROUT ESTATE

INVITATION TO THE SANIRE EASTERN BUSHVELD BRANCH ANNUAL GOLF DAY **18 August 2023**



Venue: **Highland Gate Golf and Trout Estate**

Format: **Two ball scramble drive, best score to count (IPS)**

RSVP for Golf: **30 June 2023** to Benjamin.smit@norplats.co.za

Four Ball Cost (including carts, halfway lunch and dinner): **R5000**

Water Point Sponsor Cost: **R3500** (R1500 corkage fee for own liquor otherwise bar price from club and orders need to be placed by 30 June 2023)

Advertising Stands: **R5000 per 3m x 3m stand**

Sponsorships to be sent to chris@mjmining.co.za

HUGE PRIZES TO BE WON!

LIMITED SPACE AVAILABLE!



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Gauteng Branch

Gauteng Branch Committee



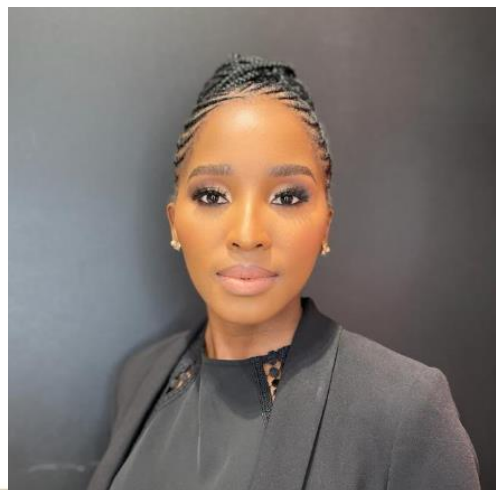
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Ross van Heerden – Chairperson



Ohveshlan Pillay – Vice-Chair



Phumza Banjwa – Secretary



Tafadzwa Chindedza – Treasurer



Yolanda Chambati – Education & Exams

Gauteng Branch Committee



Vernon Baptiste – Supplier Representative



Thato Mathole – Technical Events Administrator



Adelaide Moganedi – Technical Events Coordinator



Katinka Cartes – Supporting Role

EVENTS 2022 / 2023 : Gauteng Branch



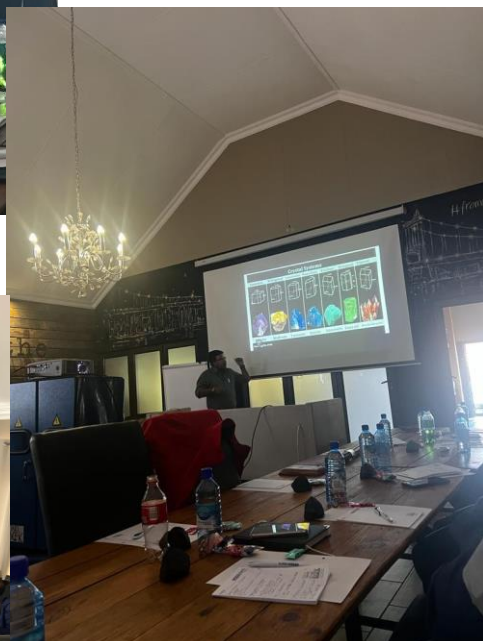

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NORTHERN CAPE BRANCH

Quarterly meeting

SANIRE NORTHERN CAPE BRANCH WOULD LIKE TO INVITE YOU TO OUR SECOND
QUARTERLY MEETING FOR 2023 ON

17 MAY 2023
TIME : 12:30 for 13:00

VENUE : NAMAKWARI LODGE
KATHU, NORTHERN CAPE



EVENTS 2023: GAUTENG BRANCH



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OF ROCK ENGINEERING

SANIRE Gauteng Branch

Date : 29th of June 2023

Time : 08:30 for 09:00

Venue : Sibanye Stillwater Academy

RSVP by the 22nd of June 2023 to phumzabanjwa@gmail.com



The SANIRE Gauteng branch held their quarterly branch meeting on the crisp 29th of June 2023 at Sibanye Stillwater Academy.





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Coalfields Branch

EVENTS 2023: Coal Branch Technical Visit



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COAL BRANCH

COAL BRANCH TECHNICAL EVENT

Technical visit to Rock Mechanics Laboratory with Prof Yilmaz.

Date: **10 March 2023**

Time: **11:30 to 16:00**

Venue: **Mandela Mining Precinct**

(Carlow Rd &, Rustenburg Rd, Melville Johannesburg)

RSVP by contacting: Yogendran Arunachellan (yogendran.arunachellan@seritiza.com) by 03 March 2023.

Yogendran Arunachellan :
yogendran.arunachellan@seritiza.com

For more information
W: www.sanire.co.za
f: @SANIREofficial

EVENTS 2023: Coal Branch Colloquium



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**SANIRE COUNCIL TOUR COMING TO
COAL BRANCH COLLOQUIUM**

**FINAL
CALL
FOR
ABSTRACTS**
DEADLINE 27 MARCH

The COAL BRANCH is intended to establish networks and equip professional with solutions available in the industry through the **first Branch Colloquium**.

Come and be part of insightful sessions on the
18 APRIL 2023

Order of events are as follows:

TECHNICAL VISIT
06H00 - 09H00
COLLOQUIUM
10H30 - 15H00
SASOL RECREATION

**SANIRE COUNCIL
will be in attendance**

Please **RSVP** and specify which session you will be attending by the **7 April**.

**COMPANIES INTERESTED IN SPONSORSHIP OPPORTUNITIES,
PLEASE SEND AN EMAIL TO YOGENDRAN**

 **SANIRE**
SOUTH AFRICAN NATIONAL INSTITUTE OF ROCK ENGINEERING
COAL BRANCH

COAL BRANCH COLLOQUIUM

The COAL BRANCH is intended to establish networks and equip professional with solutions available in the industry through the **first Branch Colloquium**.

Come and be part of insightful sessions on the
18 APRIL 2023

FROM 09H30 - 14H00
@ SASOL RECREATION
<https://goo.gl/maps/GUUmEbtPcWLRo9NGA>

TECHNICAL VISIT HAS BEEN POSTPONED TO THE NEXT MEETING

RSVP: Yogendran Arunachellan
e: yogendran.arunachellan@seritiza.com

For more information
W: www.sanire.co.za
@SANIREofficial



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SANIRE AWARDS

Pearl Mosiane





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Honorary Fellowship Lifetime Achievement Award

To the individual who has made a lasting technical contribution to the field of Rock Mechanics and who has been instrumental in the in the implementation of new Rock Mechanics knowledge and techniques.



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Phil Piper



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Honorary Membership Lifetime Achievement Award

To the individual who has demonstrated long-term dedication and who has been instrumental in the delivering of significant service to the Rock Engineering fraternity.



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Donald O'Connor



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Practitioner's Award

To the practicing Rock Engineer who was made a sustained practical contribution in the workplace.



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Mr. Erenst Du Toit

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RockStar Award

To the “up and coming” Rock Engineer, who is being acknowledged for the valuable work they have been doing in their operations to improve systems, technology and mining practices.



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Mr. Fikile Marvin
Mokgethoa



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Salamon Award

To the South African Individual with the Best Technical Publication in the Preceding Year.



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Dr. Richard Masethe

“Investigation of the source mechanisms of mining induced seismic events at Kloof Gold Mine”



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Ortlepp Award

To the Young South African Individual with the Best Technical Publication in the
Preceding Year.



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Mr. Ruan Els

“Calibration of the limit equilibrium pillar failure model using physical models”



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Dick Stacey Award

To the individual with the most outstanding Master's thesis or dissertation in the
field of Rock Engineering



SANIRE
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Mr. Cassius Selai

“The Geotechnical Design of the Highwall Mining Layout: A case study at the 5-seam operation of Glencore Coal SA”



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Lelanie Prinsloo

Technological Innovation

Award

To the SANIRE affiliated individual or company that has made a significant contribution towards innovation, new research or new development in the Rock Engineering Practice.



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Groundwork Consulting

“Rockwatch Real Time Sensing”



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Best Sponsorship Award



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OHMS

RMC Certificate Examinations



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[OFFICIAL]

PAPER	NAME	SURNAME	RESULT
SCO Met	Patience	Ratshalingwa	79%
Paper 1	Tshegofatso	Rampedi	82%
Paper 2	Lindokuhle	Zungu	80%
Paper 3.1	Modishe	Tswaane	71%
Paper 3.2	Sindiswa	Dlamini	74%
Paper 3.4	Asivhanga	Malovhele	80%

Top Tertiary Students



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Institution	Best Rock Engineering Student	Student's Average
University of Pretoria	Glen Matlala	71%
University of Johannesburg	Boitshepo Montoedi	75%
University of Witwatersrand	Tapiwa Marinda	84%

RMC Certificate Recipients (11-2022 to 05-2023)



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[OFFICIAL]

NAME	SURNAME	COMPANY	TYPE
Wynand Johannes	Van Wyk	Thungela Resources	Coal
Easavani	Wessels	Two Rivers Platinum	Hard Rock
Mashudu	Ramathaga	Implats	Hard Rock
Jonathan	Jakata	Implats	Hard Rock
Abraham	Bentile	Angloplat	Hard Rock
Mamokete	Mokoena	Wolverkranks	Coal
Munyaradzi	Musembwa	Zimplats	Met
Hlomani	Mthombeni	Sibanye Stillwater	Met
Johannes Petrus	Labuschagne	Royal Bafokeng	Met
Franz Johannes	Bruwer	AngloAmerican	Massive
Thlologelo Daddy	Mametja	AngloAmerican	Open Pit
Senzo	Ngwenya	Dwarsrivier Chrome Mine	Hard Rock
Godfrey	Setlhare	Northam Platinum	Hard Rock
Nkgatsana Lebogang	Baloyi	Glencore	Hard Rock
Timukelani Sammy	Mlondobozi	Implats	Hard Rock
Tiisetso	Dikgang	Sibanye Stillwater	Hard Rock



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SPECIAL AWARD



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GENERAL



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Thank you