

ANNUAL GENERAL MEETING

FRIDAY | **VENUE: AVIANTO (Hybrid)**
26 AUGUST 2022 | **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	Lizelle Prinsloo
9h10	9h15	Apologies and matters arising from the previous meeting	Lizelle Prinsloo
9h15	9h25	Reflecting on the past year	Lizelle Prinsloo
9h25	9h45	Constitution	Lizelle Prinsloo
9h45	9h50	Administration	Lizelle Prinsloo
9h50	10h10	Membership	Zwelinzima Thebethe
10h10	11h00	Treasury	Sifiso Mashile
11h00	11h20	Break and Tea	
11h20	11h35	Education Theory	Petrie Wessels
11h35	11h45	Education RE Prac	Kevin le Bron
11h45	12h00	Education SCO Prac	Rofhiwa Phadagi
12h00	12h10	Organisational Liasion	Obakeng Rakumakoe
12h10	12h20	ISRM	Lizelle Prinsloo
12h20	12h40	Branches Feedback	Kevin le Bron
12h40	12h50	SANIRE Awards - Call for nominations	Lizelle Prinsloo
12h55	13h00	Upcoming SANIRE events / Communication	Lizelle Prinsloo
13h00	13h25	SANIRE Awards: Best achievers Top students	Lizelle Prinsloo / Kevin le Bron Jannie (for UP) Zweli (for WITS)
13h25	13h45	General	Lizelle Prinsloo
13h45	13h50	Closing by President	Lizelle Prinsloo
13h30	14h00	Lunch	



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SANIRE Council



SANIRE COUNCIL



Portfolio	Portfolio Holder
President	Lizelle Prinsloo
Immediate Past President	Paul Couto (resigned)
Vice President	Kevin Le Bron
Treasurer	Sifiso Mashile
Administrator / Events	Mbalenhle Buthelezi
Membership	Zwelinzima Thebethe
Social media, Newsletter, Awards	Thovhedzo Gcuda
Education, Minerals Council Theory Exams	Petrie Wessels
Future Education	Jannie Maritz (Co opted)
Rock Engineering Practical Exams	Kevin le Bron
Strata Control Officer Practical Exams	Rofhiwa Phadagi
ISRM	Dr. Michael Du Plessis
Organisational Liaison	Obakeng Rakumakoe



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 2021 / 2022: Education Workshop



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EDUCATION WORKSHOP

19 OCTOBER 2021

TIME: 10h30 - 14h00

Sibanye Kloof Training Centre Auditorium

ABOUT THE WORKSHOP

A Workshop to obtain industry input in the strata control and rock engineering examinations guideline updates

AGENDA

10:30 – 10:45	Welcoming
10:30 – 10:45	Feedback
11:15 – 11:45	Exam Governance
11:45 – 12:30	Tea Break
12:30 – 13:00	SCO Exam
13:00 – 13:30	RE Exam
13:30 – 13:45	General
13:45 – 14:00	Closure

RSVP BEFORE 8 OCTOBER 2021

Mbalenhle Buthelezi

Tel: (+27) 11 568 2054

email: mbalenhleb@mpas.org.za

For more information visit

 www.sanire.co.za

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Minerals Council Strata Control, Rock Mechanics and Rock Engineering Certificates of Competency

GOVERNANCE OF EDUCATION

1. MANDATE

Auspices of the examination for certificates in rock engineering were given by the Minerals Council of South Africa (MCSA) to the South African National Institute of Rock Engineering (SANIRE) being the voluntary association and professional body for regulation of the discipline. All examinations committee members will be appointed by SANIRE council. The future naming of the certificates may be amended by consultation between various parties.

2. PURPOSE

- To set & conduct examinations according to syllabi and to test for knowledge and competency in the science of Rock Mechanics (RM) and its engineering application in the Rock Engineering (RE) design of mine layout, support and related risk assessment and management systems.
- This committee is not an education body. The certificates are not aimed at repeating school or tertiary education. It expects of nominated candidates' prior proficiency in relevant science & engineering subjects at National Qualifications Framework (NQF) Level 6. This is the level at which examinations are set.
- The certificates are intended to be Stage 2 qualifications, which are aimed at testing competency in contextualising, synthesising, analysing, interpreting and concluding on the physics, mathematics and statistics of rock parameters and rock mass behaviour in the rock engineering of mine designs.
- Certification involves passing the competency test of whether candidates can study the syllabus material and translate their education into holistic mine design in real mining conditions.
- The certificate is also a proven practical process towards establishing a professional engineering practice in a discipline that does not have a first degree presented at tertiary level.

3. EDUCATION PORTFOLIOS

The South African National Institute of Rock Engineering (SANIRE), through the President of SANIRE will appoint the following portfolios to manage and ensure that the relevant governance is appropriately applied in accordance with this document:

- Chair of Theory Examinations
- Chair of Rock Mechanics Practical Examinations
- Chair of Strata Control Practical Examinations
- Chair of Future Education

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[OFFICIAL]



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STRATA CONTROL PRACTICAL EXAMINATIONS

General Overview

The Strata Control Practical Examination is the final examination in which candidates will partake for the completion of the SCO Certificate. This examination is administered through SANIRE on behalf of the Minerals Council. Thus registration for the examination is via the SANIRE website, twice per year where candidates must submit the required documents as part of the registration process.

Registered candidates will receive proof of registration from SANIRE. The practical exams will be coordinated at and hosted by their respective SANIRE Branches to cater for the needs of all candidates within their branch areas.

SCO Practical Examination Requirements

Entry requirements to the SCO Practical examination will require candidates to have passed the Strata Control Theory examination.

Candidates must have been assessed by their mentor/supervisor to ensure competency prior to the candidate partaking in the practical examination. The mentor/supervisor will then complete the Practical Examination Reference Form for the candidate. This form is not to be older than 6 months and must be a newly signed form for each exam.

Metalliferous and coal candidates are required to submit the competency matrix and logbook respectively. The open pit and massive candidates will be required to submit their respective competency matrix from 2022.

Registration Cost

- The registration process and fees payable will be managed by SANIRE Council
- R500 for SANIRE member or associate member
- R1200 for non-SANIRE member

Registration Process

- Candidate to complete the online registration on the SANIRE website <https://www.sanire.co.za> within the allocated time / before the closing date. No extension of time will be provided.
 - Candidates are to ensure that they attach all relevant documentation:
 - CV
 - Certificates/qualifications
 - Proof of passing the Strata Control Theory Examination
 - Proof of payment
 - SCO mentor reference form
 - Relevant logbook or competency matrix
 - All documents must be in the required format (files allowed: doc, docx, pdf, ppt, pptx, xls, xlsx, jpg up to 30MB).
 - Banking details are on the registration page.
 - Candidates are to ensure that all details are entered correctly and that the correct region / branch is selected. SANIRE Council or Branch will not be held responsible for incorrect information submitted by the candidate that may result in failure to contact the candidate.
 - There are compulsory fields to complete when registering. If any of the fields are not completed (or proof attached), the registration will be unsuccessful.
- Candidates will be notified of registration within seven working days.
- If candidates do not receive a registration acceptance, then the registration has not been successful.

President: Mrs. Linda Piroon
Secretary: Mrs. Professional Association Secretary (MPAS)

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Rock Engineering Certificate Practical Examination Guideline – 2021

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 higher 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 MSHA / government and industry of a person capable of practicing 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.

In order to ensure that we have an appropriate process in place which addresses the needs of all our members, SANIRE has launched the new online electronic practical examination registration portal via our website. This will cater for the registration of the Rock Engineering practical examinations. The intent of the system is to ensure that SANIRE can administer the registration process to make sure that any potential irregularities are ruled out in the future. The practical exams will be coordinated at central venues to cater to the needs of all candidates within their branch areas.

The evaluation will not only focus on rock engineering but on the add-on qualities and requirements of an everyday rock engineer. The evaluation will test the candidate's ability to integrate all competencies and skills to derive an optimum solution to rock engineering challenges.

These may include:

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EVENTS 2021 / 2022: Past Presidents Forum 2021



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Dear SANIRE Past President,

You are hereby invited by the
SANIRE President Mrs Lizelle Prinsloo to the

SANIRE PAST PRESIDENT FORUM LUNCH

SANIRE is built on a solid foundation for over 52 years whereby each Past President has made a significant impact.

The only way to be able to continue to grow SANIRE and to achieve these objectives is by continuing to grow the legacy that all the Past Presidents have achieved.

It would be a great honour if you as the Past President of SANIRE would join me and the new SANIRE Council for the Past President Forum Lunch on the 19th November 2021 at Hartbeespoort Aerial Cableway.

Kindly may I request that you confirm your attendance for the Lunch with Mbalenhle Buthelezi (mbalenhleb@mpas.org.za) by 12 November 2021, for catering purposes.

DATE: THURSDAY, 18 NOVEMBER 2021

VENUE: HARTEESPOORT AERIEL CABLEWAY

TIME: 13:30

RSVP BEFORE 12 NOVEMBER 2021

Mbalenhle Buthelezi

Tel: (+27) 11 568 2054

email: mbalenhleb@mpas.org.za

For more information visit

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EVENTS 2021 / 2022: Webinars



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WOULD YOU LIKE TO HOST A SANIRE WEBINAR / LECTURE?

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

- The interest and the development of education in Rock Engineering within the industry
- The uphold of professional practice and high ethical standards
- Networking, collaboration and information exchange
- Research areas

With a membership base of over 500 members and affiliation with other industry players we would like to invite you to host a WEBINAR / LECTURE to further and develop the Rock Engineering Industry.

For more information contact

Raymond van der Berg

t: (+27) 11 568 2053

e: raymondvdb@mpas.org.za

www.sanire.co.za

@SanireOfficial

SANIRE – COMREC Paper 3.4 Surface Mining Webinar

Introduction to Open Pit Slope Design

28 September 2021



Peter Terbrugge
Corporate Consultant
Mining Geotechnics

Des Mossop
Principal Engineering Geologist & Partner
Mining Geotechnics



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WEBINAR FREE OF CHARGE

Forensic rock mechanics for the analysis
of rockbursts and seismicity in mines

SESSION 1

Wednesday, 7 July 2020
13:00 – 14:00

SESSION 2

Wednesday, 21 July 2020
13:00 – 14:00

RSVP TO REGISTER

Mbalenhle Buthelezi
011 568 2054
mbalenhle@mpas.org.za



Gerrie van Aswegen

Consultant: Mine Seismology, Structural Geology
Institute of Mine Seismology

EVENTS 2021 / 2022: SANIRE GOLF DAY



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EVENTS 2021 / 2022: Breaking New Ground: A Modern approach of destress strategies in deep (mass) mining



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[OFFICIAL]



**Breaking new ground:
A Modern approach of destress
strategies in deep (mass) mining**

HAVE YOU BOOKED?

Join LKAB and SANIRE for a day of discussions challenging the status quo!

7 APRIL 2022

TIME: 8h00 – 17h30

**HYBRID CONFERENCE: OLIVES AND PLATES WITS
CLUB / VIRTUAL**

When mining depth in underground mines increase, so do the challenges. Therefore, an entirely new mining method called “Raise Caving” has been developed. This is a major step towards safer and more efficient mines.

Raise Caving addresses the rock pressure problems in an active manner, where the provision of stress shadows for bulk mining, and the management of stress and seismicity is essential.

KEYNOTE SPEAKERS

Prof. Horst Wagner



Prof. Dick Stacey



HIGHLIGHTS

- Ultra-deep level destressing techniques.
- Ground control techniques
- Raise Caving mining method.
- International practices.

FREE ATTENDANCE
All costs sponsored



LKAB is an international high-tech minerals group, one of the world's leading producers of upgraded iron ore products for the steel industry and a growing supplier of industrial mineral products to other sectors.

Click here to read more
LKAB press release : E&MJ Article



For more information

Mbalenhle Buthelezi

t: (+27) 11 568 20529

e: mbalenhleb@mpas.org.za

W: www.sanire.co.za

f: @SANIREofficial

EVENTS 2021 / 2022: Breaking New Ground: A Modern approach of destress strategies in deep (mass) mining



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SANIRE is a national group of the International Society of Rock Mechanics.
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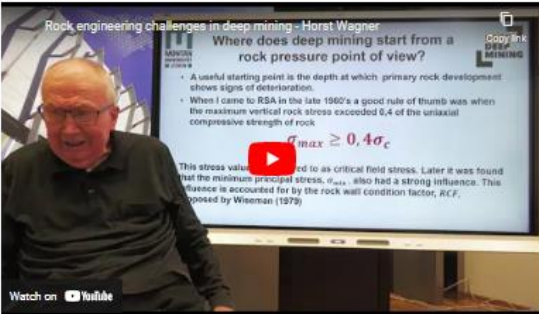
You are here: [Home](#) > [News & Events](#) > Breaking new ground: A Modern approach of destress strategies in deep (mass) mining

Breaking new ground: A Modern approach of destress strategies in deep (mass) mining

Category: [Latest](#) Created: 14 March 2022

WATCH THE VIDEO PRESENTATION BY HORST WAGNER

Rock engineering challenges in deep mining



Watch on  [YouTube](#)

AVAILABLE PRESENTATIONS

KEYNOTE PRESENTATIONS:

-  Horst Wagner - Rock engineering challenges in deep mining (3.23 MB)
-  Dick Stacy - PREDICTION AND DESIGN IN ROCK ENGINEERING (5.89 MB)

OTHER PRESENTATIONS:

International Practises

-  YIELDING PILLARS: The Potential to Manage Large, Convergence-Driven Fault-Slip Events (561 KB)
-  De-stress Blasting Strategy: Case Studies for Mining in Highly Stressed Sill Pillars at Vale's Ontario Operations (3.76 MB)
-  The Destressability Index for the Design of Large-Scale Confined Destress Blasts Background and Practical Experience (747 KB)
-  Underhand Closed Bench Mining for Proactive Control of Fault-Slip Seismicity at the Lucky Friday Mine (2.59 MB)

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- SANIRE Webinar Videos

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All the presentations available on
the SANIRE website

**"ROCK MECHANICS
CAPTURED IN A MOMENT"**

WINNER
Victoria Upindi

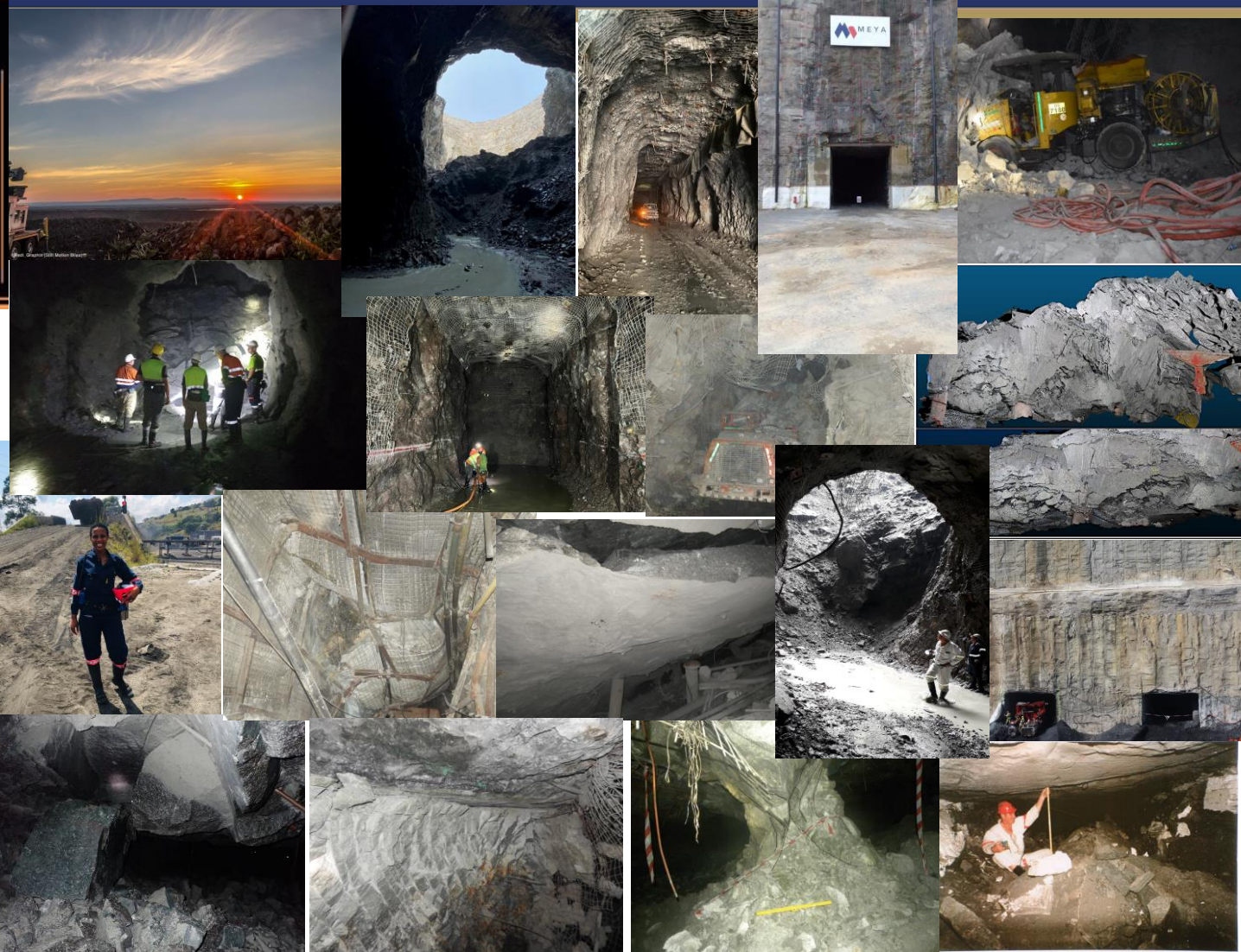
2nd: Ricardo Gonsalves

R3000

3rd: George Louw

R5000

R1500



EVENTS 2022 / 2023: SANIRE SYMPOSIUM



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SANIRE SYMPOSIUM 2022
28 & 29 JULY

**PAST, PRESENT AND FUTURE
IN ROCK ENGINEERING**

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EMPERORS PALACE CONFERENCE CENTRE
KEMPTON PARK

ROCBOLT
TECHNOLOGIES

REUTECH
MINING

BOHMS
MINING

SHUTSBO
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GROUNDWORK
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ELBROC
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MINING

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HMA
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ROCK
MINING

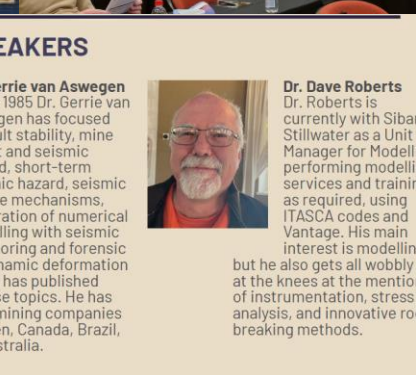
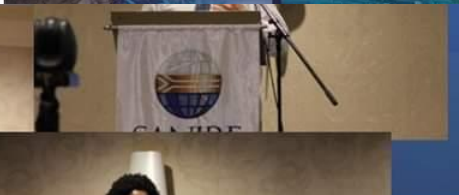
MLB
MINING

M-J
MINING

ARC
MINING

U-T
MINING

More sponsorship opportunities are available!



KEYNOTE SPEAKERS



Rob McGill

Rob is focussed on and passionate about value-creation in the mining and minerals sector. With over 25 years of technical, operational and consulting experience, he has a strong track-record of project, portfolio and business optimisation and growth. Rob started his own consulting and advisory firm 6 years ago which now has some 30 people and two locations being Johannesburg and Brisbane.



Dr. Gerrie van Aswegen

Since 1985 Dr. Gerrie van Aswegen has focused on fault stability, mine layout and seismic hazard, short-term seismic hazard, seismic source mechanisms, integration of numerical modelling with seismic monitoring and forensic analyses of dynamic deformation processes and has published papers on these topics. He has consulted for mining companies in Peru, Sweden, Canada, Brazil, Russia and Australia.



Dr. Dave Roberts

Dr. Roberts is currently with Sibany Stillwater as a Unit Manager for Modelling performing modelling services and training as required, using ITASCA codes and Vantage. His main interest is modelling, but he also gets all wobbly at the knees at the mention of instrumentation, stress analysis, and innovative rock breaking methods.

SANIRE Symposium – Thanking our Sponsors



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SANIRE SYMPOSIUM 2022



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SANIRE SYMPOSIUM 2022 PRESENTATIONS

PRESENTATIONS - DAY1

- 📄 SANIRE SYMP 2022 INVESTIGATION OF THE SOURCE MECHANISM
- 📄 SANIRE NumericalModellingOfSeismicActivity JGerber 20220728 v2
- 📄 Pearl Moslane FW Marker Project 29June2022 Rev1
- 📄 SANIRE conference Kansanshi M17 ench design 2022
- 📄 SANIRE Symposium K OBrien
- 📄 Support design for two tunnels at Anglo Platinum Mogalakwena Sandsloot Exploration 28 July 2022
- 📄 Geotechnical Engineering Data Management Sanire symposium M Bester
- 📄 SANIRE 22072022
- 📄 Sanire BMS Presentation July 2022
- 📄 SANIRE Symposium 2022 Glen Cameron Coulter (Groundwork) Presentation Rev2 1

PRESENTATIONS - DAY2

- 📄 C Selai Assessment of coal web pillar stability for Addcar mining Final
- 📄 SANIRE SYMPOSIUM Modified SLOS below large open pit 29July2022 FINAL
- 📄 SYMPOSIUM PRESENTATION MG1 PILLAR REDUCTION MODELLING AND BORD STABILITY Rev1
- 📄 ARC Mining Applications with Low cement
- 📄 CSIR Touching lives through Innovation Sanire July 2022 final
- 📄 F Bruwer Proposed Method for Coal Pillar Optimization Final
- 📄 SANIRE SYMP MOMENT TENSOR ANALYSES OF 4 LARGE SEISMIC EVENTS

All the
presentations
available on the
website

SANIRE SYMPOSIUM 2022 PRESENTATIONS

PRESENTATIONS - DAY1

- 📄 SANIRE SYMP 2022 INVESTIGATION OF THE SOURCE MECHANISM
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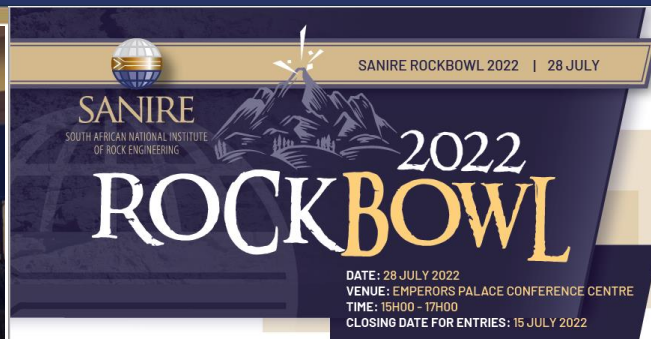
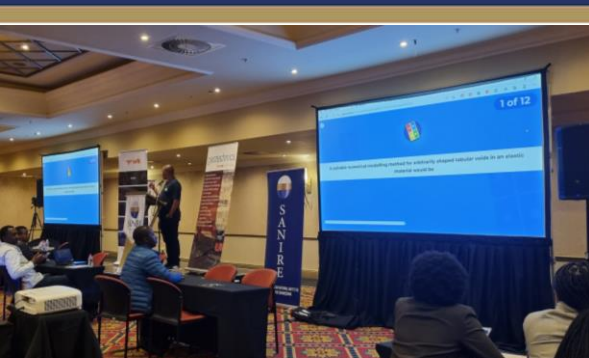
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EVENTS 2022 / 2023: ROCKBOWL



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Administration



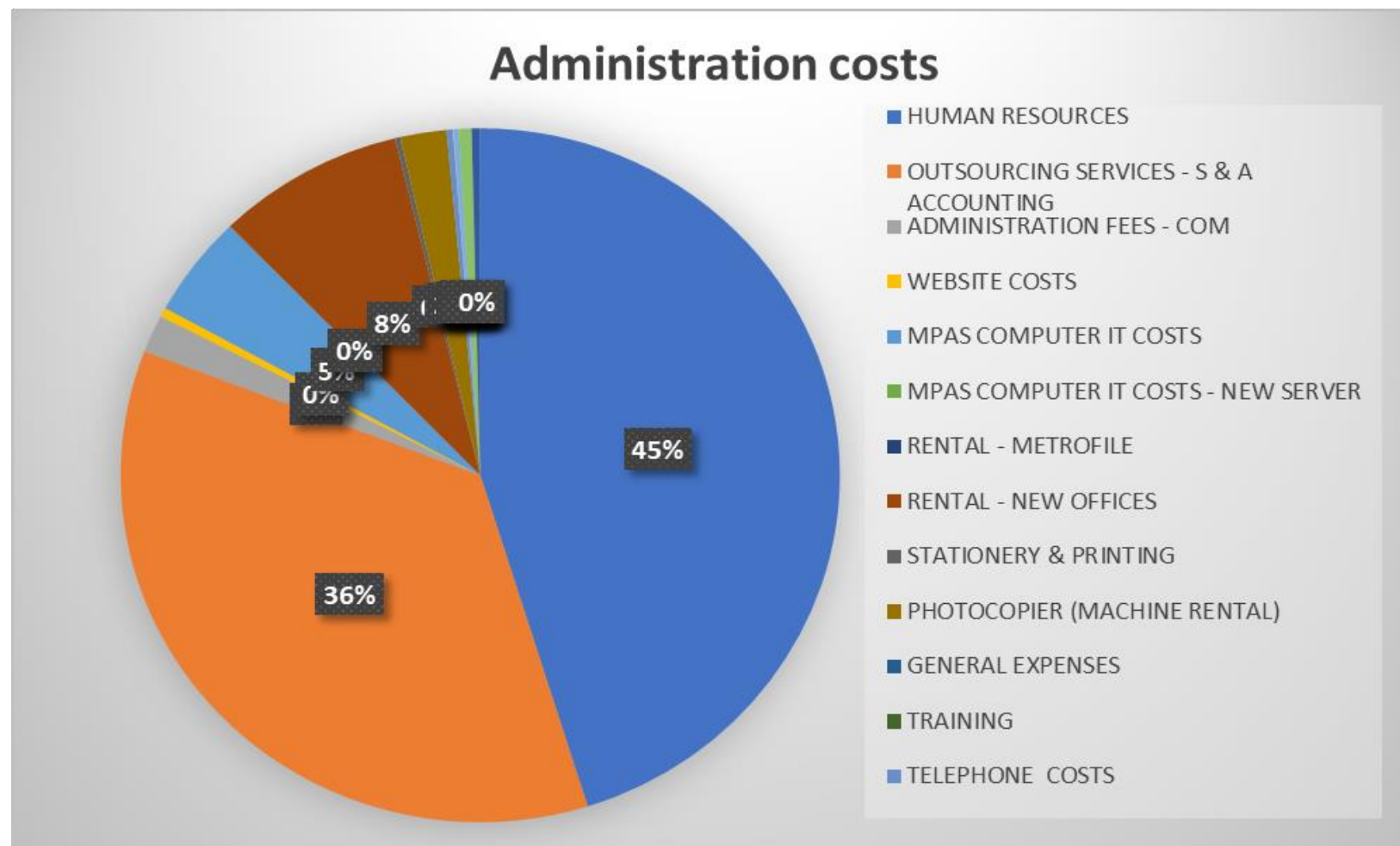
Administration



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SANIRE is administered by the Mines Professional Associations' Secretariat (MPAS)

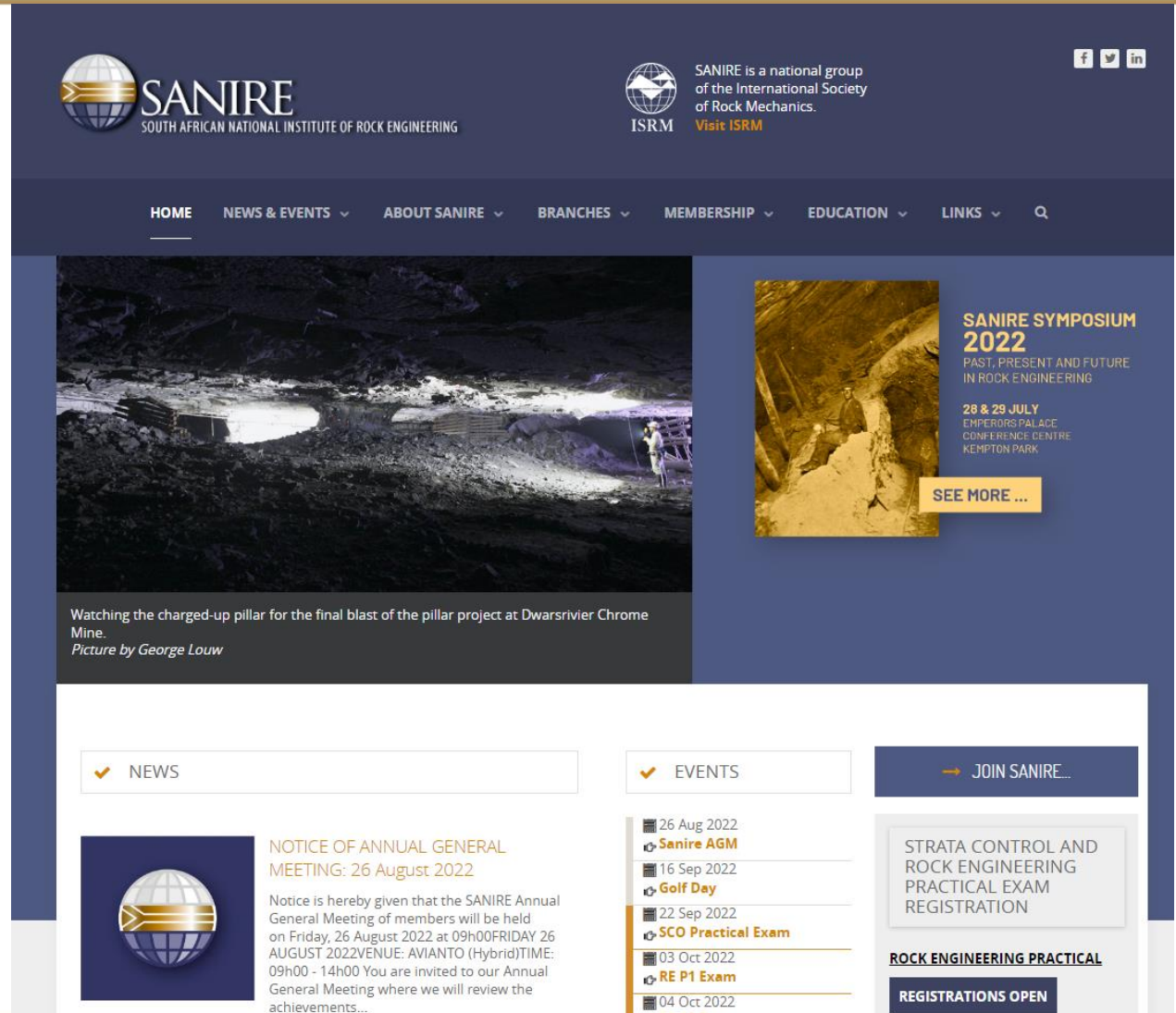
- MPAS administers 13 Associations – SANIRE is the second largest at 16%
- Staff compliment of 4 persons: MPAS Manager, two Association Secretaries, Administration Secretary
- Outsource Services include Financial service and Membership database



SANIRE Website

Updated the webiste

[OFFICIAL]





Matters Arising from the Previous AGM





Constitutional Review



Constitutional Review



- Thank you to the members that did make contributions and suggestions.
- Council formed a Constitution review committee.

From: Russell Jaggard (OLM) <Russell.Jaggard@eldoradogold.com>
Sent: Friday, 19 August 2022 06:52
To: info@sanire.co.za
Cc: Russell Jaggard <russjaggard@gmail.com>
Subject: SANIRE Constitution rev 8

Good Morning Mbalenhle,

Thank you for your email, I have read through the changes as proposed and am in agreement, all seem good.

Best regards

Russell

Regards,
Russell Jaggard | Manager Geotechnical Engineering
Hellas Gold SA
M: +30 697 2806557
 Olympias Mine, Chalkidiki, Greece



Breaking new ground

From: Peter Terbrugge <PTerbrugge@srk.co.za>
Sent: Wednesday, 17 August 2022 10:42
To: Mbalenhle Buthelezi <mbalenhleb@mpas.org.za>
Cc: info@sanire.co.za
Subject: RE: SANIRE Constitution Rev 8

Hi Mbale,

I have gone through the document and am in agreement with the changes (**in red**) that have been made.

Best wishes,
 Peter.

Constitutional Duties



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MEETINGS OF THE INSTITUTE

The quorum for all general meetings of the Institute shall be fifteen corporate members personally (physically or virtually) present. Subject to the provisions of Clause 4.8 of the constitution, a majority of votes shall carry any business before the meeting.

Constitutional duties



2. MEMBERSHIP

2.1 The Institute consists of corporate and non-corporate members, all of whom are entitled to participate in all meetings of the Institute, and all **associate and corporate** members are entitled to vote **as outlined in this constitution and Clause 4.14.**

- 4.14 Should the council consider it expedient to propose any change to the constitution in the way of an addition, alteration or repeal, or should not less than 20 corporate members express in writing to the council a desire for such change, the change must be:
- (a) considered at a special general meeting convened for that purpose, at which not less than two thirds of the votes cast for the adoption of any amendment to the constitution must be in the affirmative, or
 - (b) if deemed desirable by the council, submitted to all corporate members for decision by a postal or electronic vote in the manner prescribed in the by-laws; for the adoption of the proposed amendment, not less than 20 per cent of all corporate members entitled to vote must cast their vote and not less than two thirds of the votes cast must be in favour of the amendment.

Constitutional Review



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- A member may resign from the Institute by sending his/her written resignation to the administrator, together with payment of any moneys due. Any person who has so resigned may be re-admitted to membership at the discretion of the council upon written application and payment of such fees as the council may decide. **In the case of corporate membership, such a member will be re-admitted to member category and may only be considered for other categories upon further application.**

No Feedback:

Constitutional Review



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3.2.7 The chairperson of any branch formed under Clause 3.15.

3.2.7.1 In the event that an active branch chairperson is elected to council by ballot, and the nominee is inducted as an executive member of council, the member must resign from the position of branch chairperson.

Feedback:

“the newly proposed clause 3.2.7.1 (included below) in my view belongs somewhere under Clause 12 ‘Rules for the Conduct of Branches’ as it is a rule that applies to a branch chairperson after his/her election to council – that is, he/she must step down in his/her capacity as branch chairperson, not in his/her capacity as elected council member. Clause 3 (where it is currently inserted) sets out rules that apply to Council, not to branches/branch chairpersons.”

Constitutional Review

3.9 The council may **after the first council meeting**, to ensure adequate representation of all branches of mining, petroleum and civil engineering, co-opt by unanimous vote a maximum of five additional corporate members to the council; such additional members have the privileges and responsibilities of elected council members and hold office for the current term. The names of such co-opted members will be announced at the first general meeting of the Institute following their appointment.

Feedback:

It is not clear why the proposed change is required, and what it actually means? That is:–

- Which first council meeting is referred to – the first council meeting when SANIRE was established, or the first council meeting of a newly elected council. Presumably the latter, but then that should be stated clearly.
- Also, if the latter, does that mean a newly elected council can only co-opt additional corporate members to council in terms of this revised clause (1) after the first meeting but before the second meeting of such newly elected council, or (2) at any time during the newly elected council's term as long as it is done after the first council meeting.
- Can the actual vote for co-opting someone take place at the first council meeting? If yes, is such co-option not effectively done in the meeting, rather than after the meeting?

Whichever way, it is not clear why this change is required:–

- The current wording already limits the time of a co-opted member to office to “the current term” which presumably means the “the current term” of the current (newly elected) council; and
- The fact that someone can only be co-opted “by unanimous vote” of council means such vote has to take place before someone is co-opted, and whether that vote is taken at an actual council meeting, or through a email/virtual vote following canvassing of council members before or after a (first) council meeting should not really matter?

So why the proposed change to the wording?

Constitutional Review



9. Election of Members of Council

9.1.2 On receipt of the nominations, the administrator verifies whether the nominee is a corporate member and has at least two nominations. **The administrator will also confirm whether the nominee have been actively participating in SANIRE examinations, meetings or events, either virtually or physically.** The administrator will then notify each successful nominee and request his/her acceptance or otherwise of such nominations within ten days; failing acceptance, such nominations will be void.

Feedback:

“limiting a members participation in elections based on the opinions of individuals is not right”

Constitutional duties



12.7 (a) The committee must keep true accounts of all money received and expended and submit these accounts to the administrator of the Institute ~~for audit purposes by 15 August of each year.~~ A monthly financial statement will be sent to each branch chairperson by the administrator of the Institute and any discrepancies must be reported within one month of receipt of it.

(b) The council may allocate funds and/or assistance as it may from time to time find necessary to provide for the satisfactory functioning of the branch. ~~Such funds will be deposited on account of and for the use of the branch in a bank or institution approved by the council. All debit operations on such account must be executed by the chairperson or a committee member and the honorary administrator of the branch.~~

No Feedback



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MEMBERSHIP

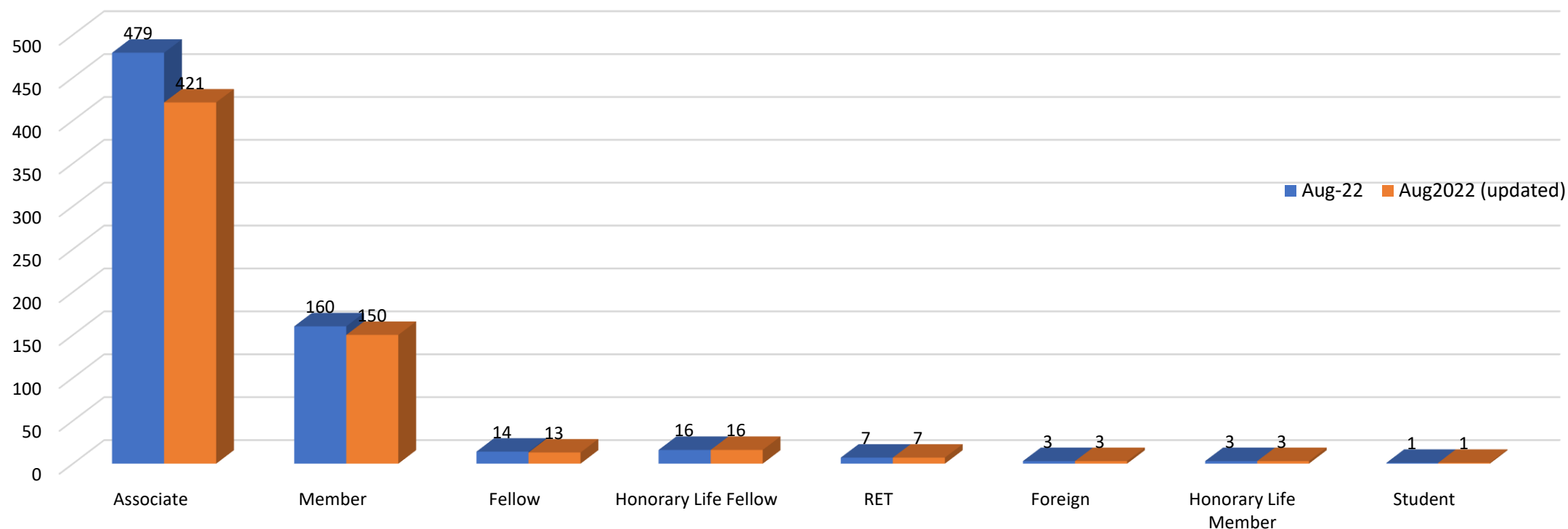


Membership



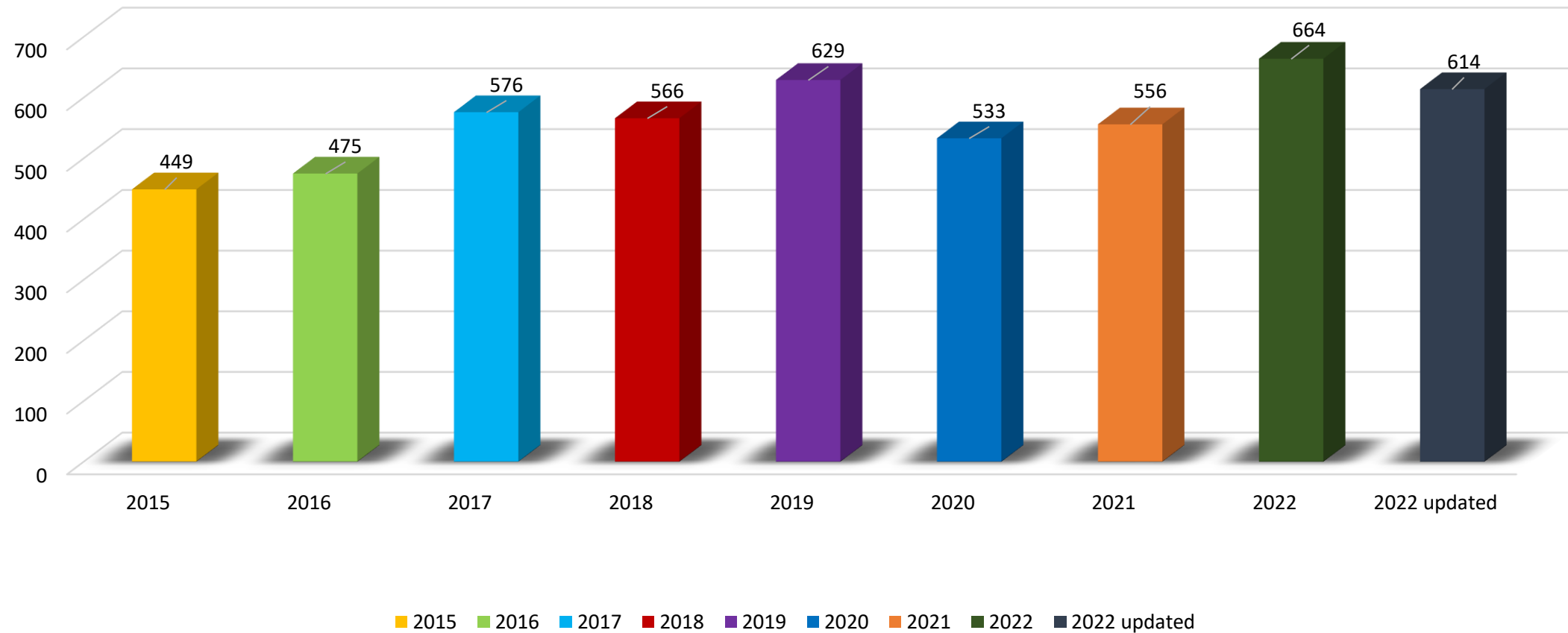
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SANIRE Membership August 2022





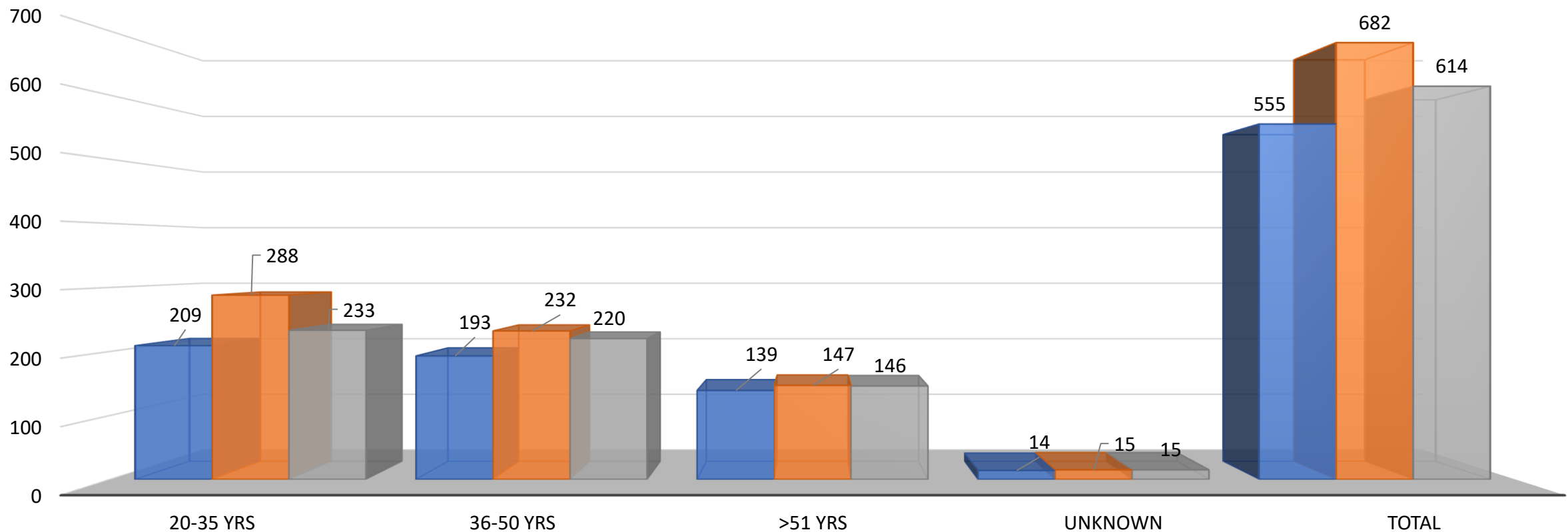
**SANIRE Membership
2015-2022**





SANIRE
MEMBER AGE DEMOGRAPHICS
Aug 2021 vs Aug 2022 vs Aug 2022 (updated)

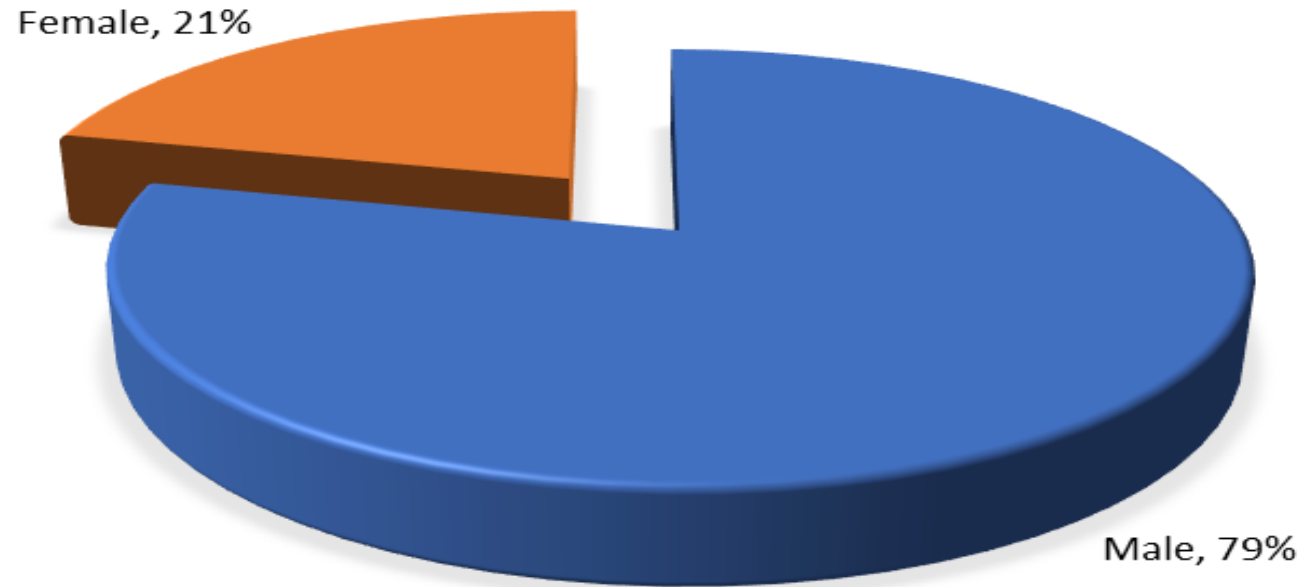
■ Aug-21 ■ Aug-22 ■ Aug2022 (updated)





SANIRE MALE - FEMALE RATIO (August 2022)

Increased from 17% in
from 2021 to 21% in
August 2022

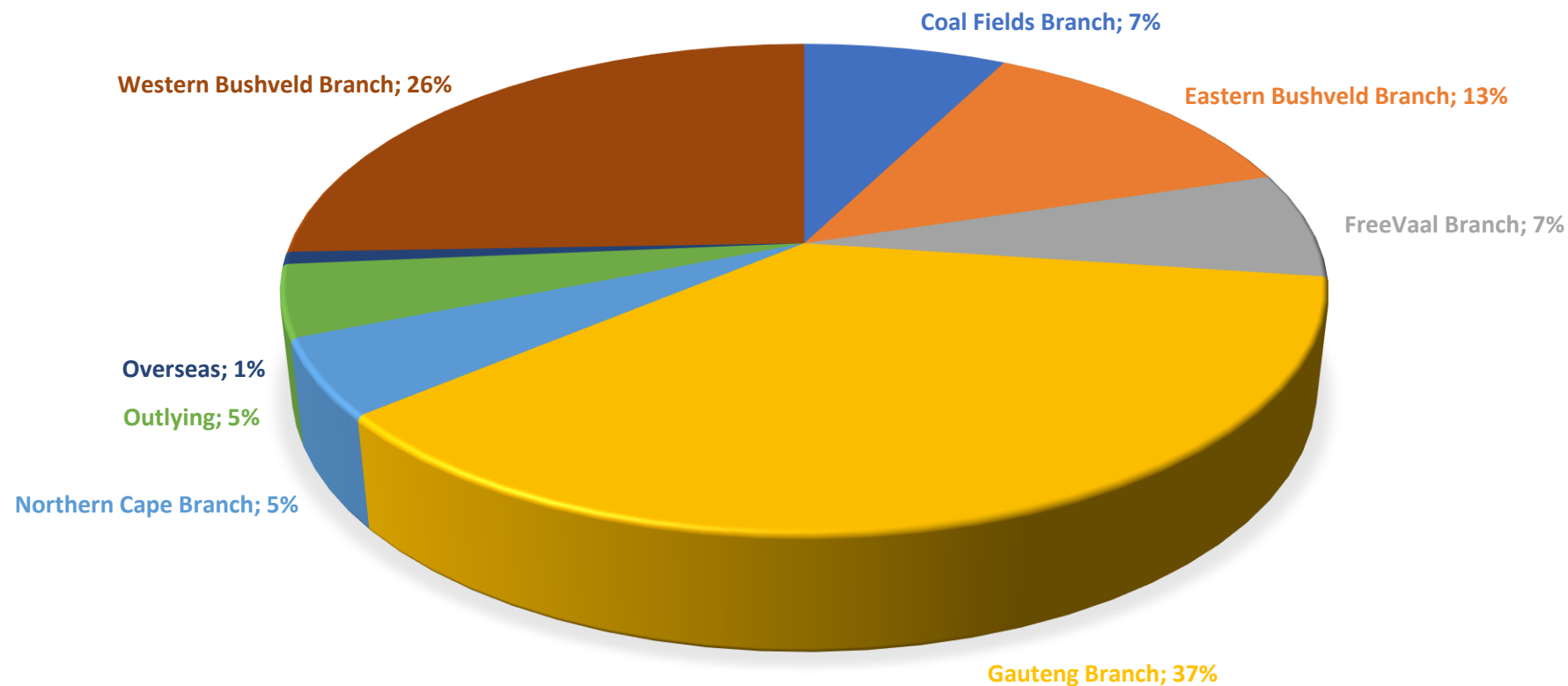


Membership - Branches



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**SANIRE
BRANCH RATIO
(AUGUST 2022)**





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MEMBERSHIP SATISFACTION SURVEY - JULY 2022

21 July – 02 August 2022 (10 questions and 65 Respondents)



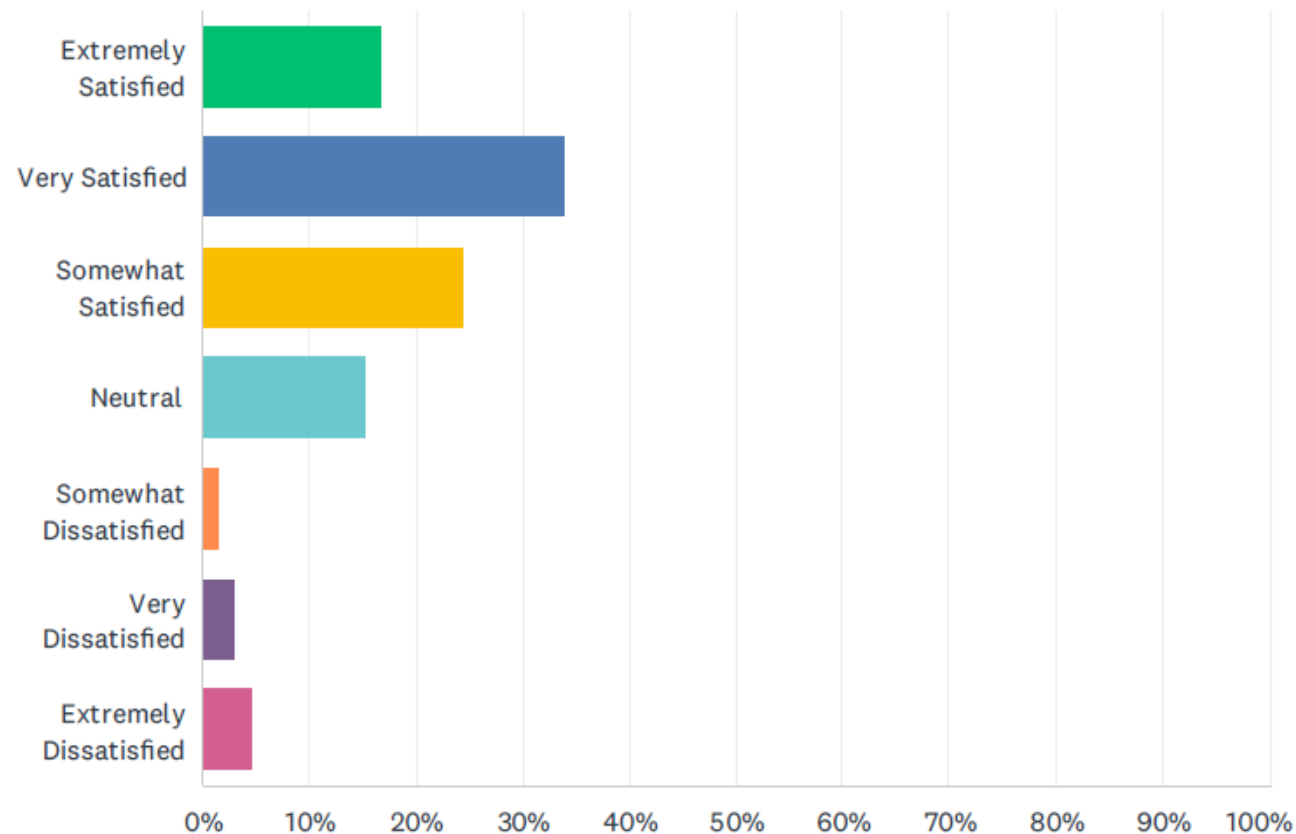
Membership Survey Results Q1



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Q1 Overall, how satisfied are you with your SANIRE membership?

Answered: 65 Skipped: 0



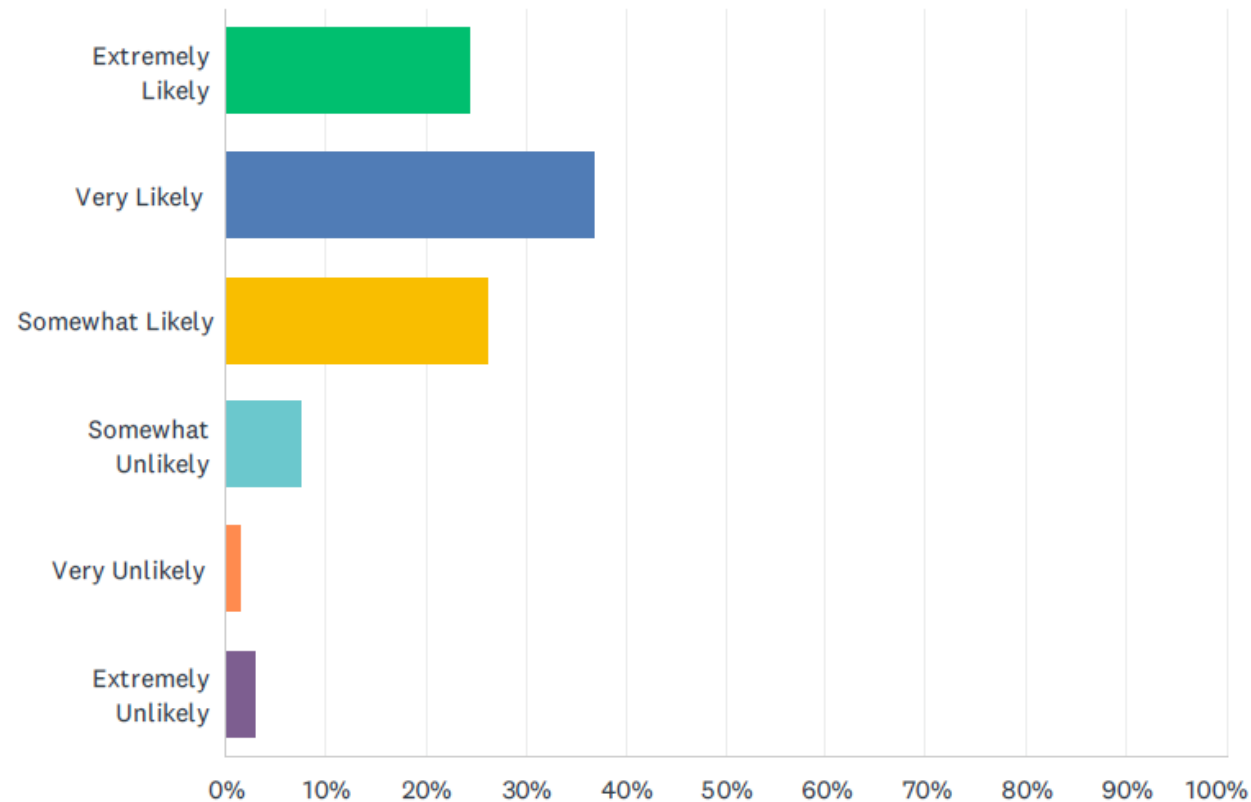
Membership Survey Results Q2



SANIRE
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Q2 How likely would you be to recommend SANIRE membership to a colleague?

Answered: 65 Skipped: 0

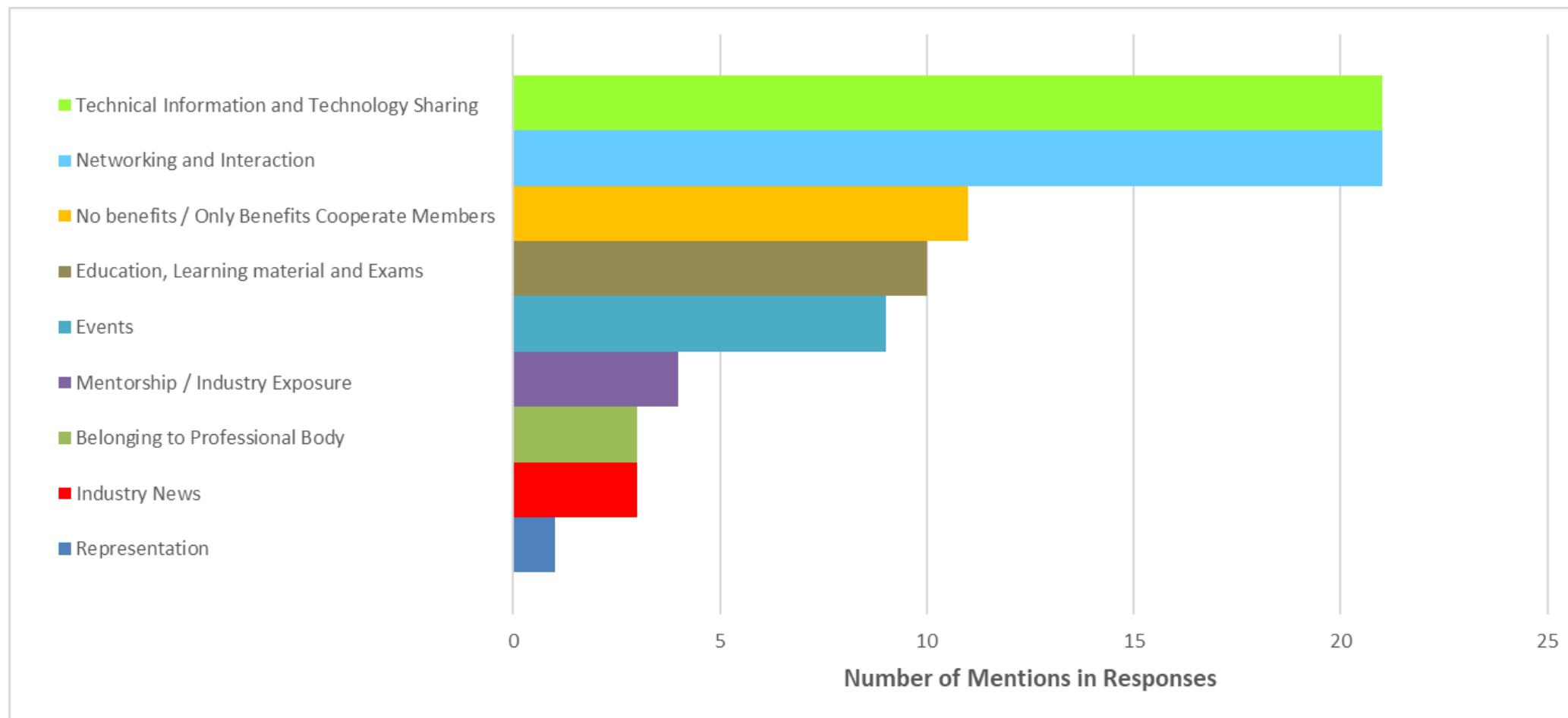


Membership Survey Results Q3



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Q3 In your experience, what benefits does your SANIRE membership best provide you?



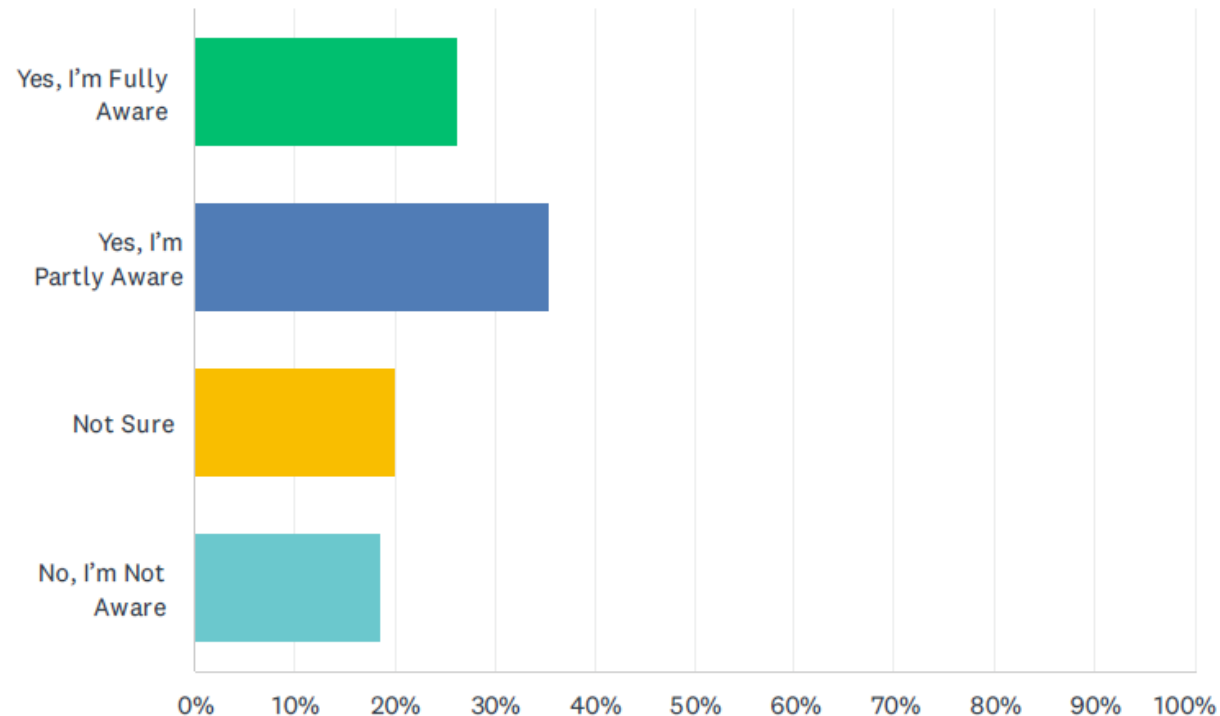
Membership Survey Results Q4



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Q4 Are you aware of the benefits offered by your International Society for Rock Mechanics and Rock Engineering (ISRM) membership, that you obtained through SANIRE?

Answered: 65 Skipped: 0



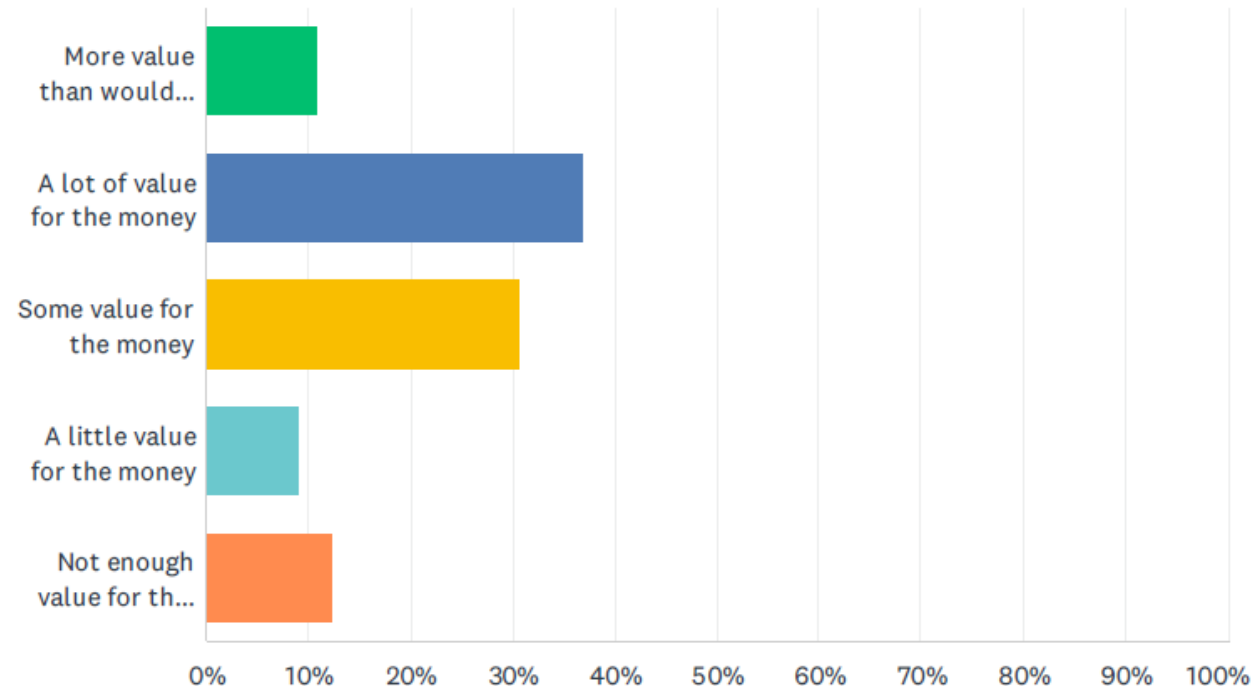
Membership Survey Results Q5



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Q5 How does the cost of the annual SANIRE membership compare with the value that you derive from it?

Answered: 65 Skipped: 0



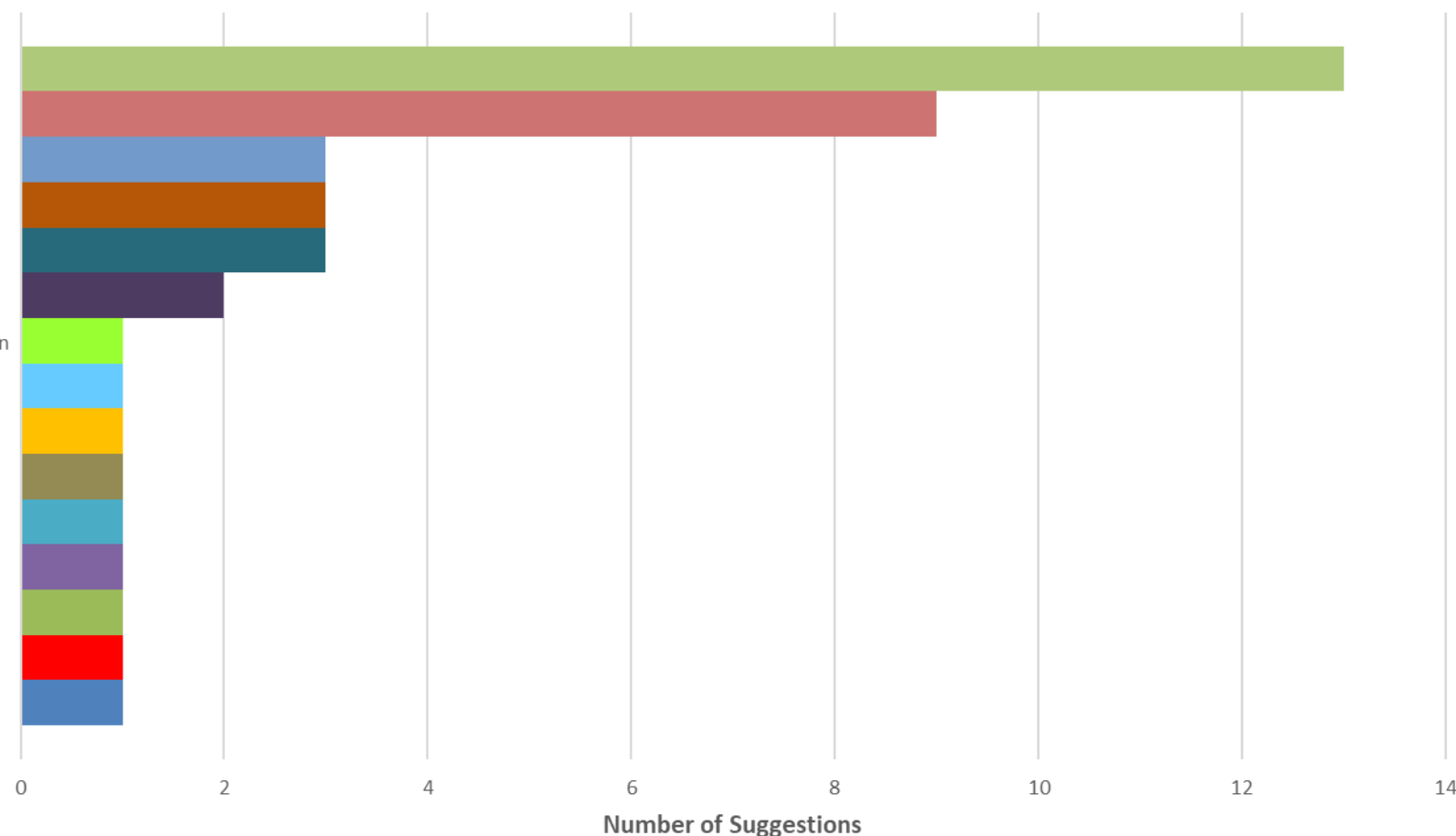
Membership Survey Results Q6



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Q6 What would make your membership more valuable to you?

- More Free Training Courses / Workshops / Webinars / Video Lectures
- Satisfied
- Free Access to Relevant Technical Journals
- More Quality Conferences / Seminars
- Explain Member Benefits
- More Technical vs Supplier Presentation
- Spend Membership Fees for Direct Membership Benefit, not on Administration
- Regular Updates
- Facilitate Professional Registration
- Recognise Retired Members More
- Provide a Mentorship Program
- Assist in Salary Scales
- More Online Meetings
- Avail Exam Scripts and Memos
- Practical Exam Training for SCO and RE



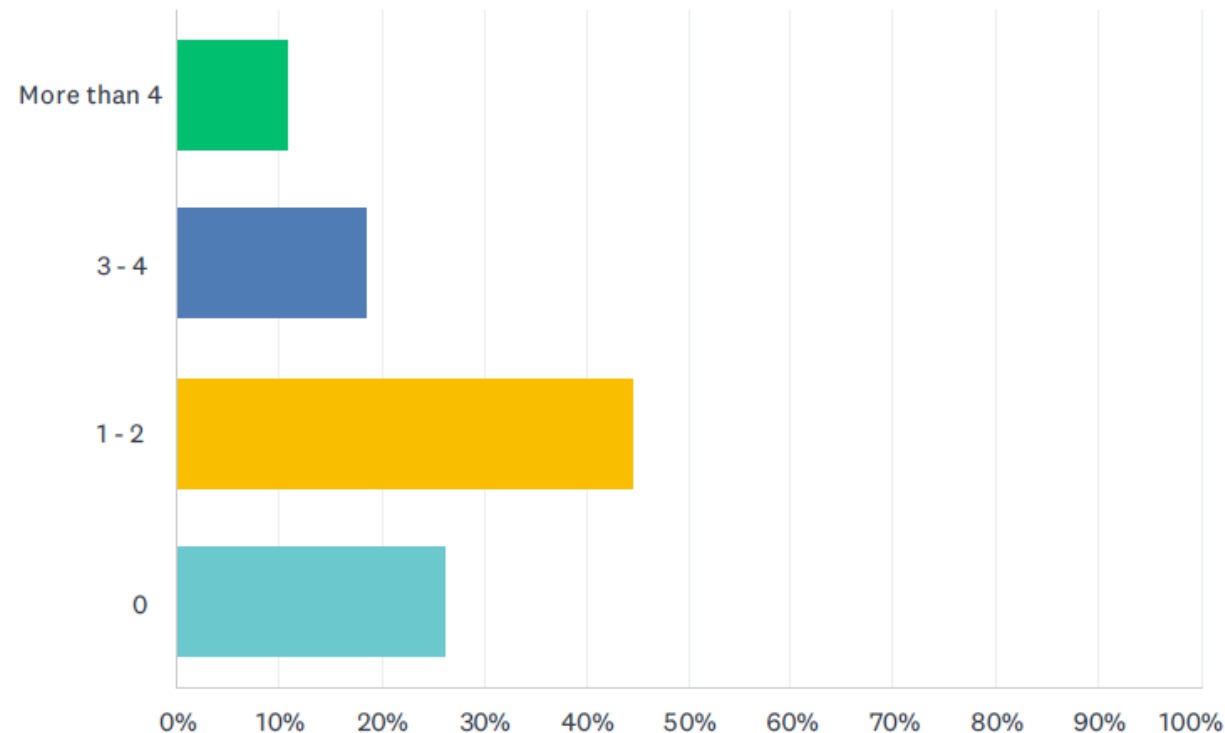
Membership Survey Results Q7



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Q7 How many Branch Quarterly Meetings and other SANIRE events have you attended over the past 12 months?

Answered: 65 Skipped: 0



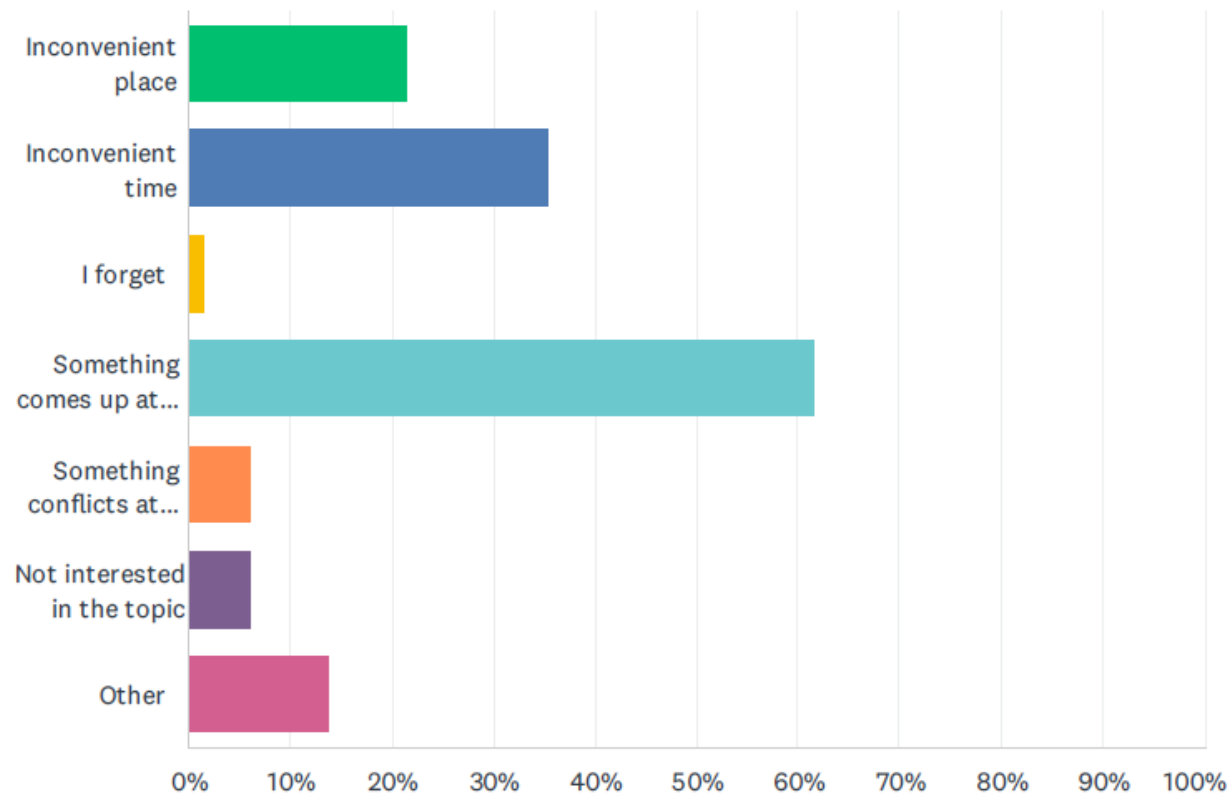
Survey Results Q8



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Q8 When you don't attend SANIRE Branch Quarterly Meetings and other events, what are the reasons why? (Mark all that apply.)

Answered: 65 Skipped: 0



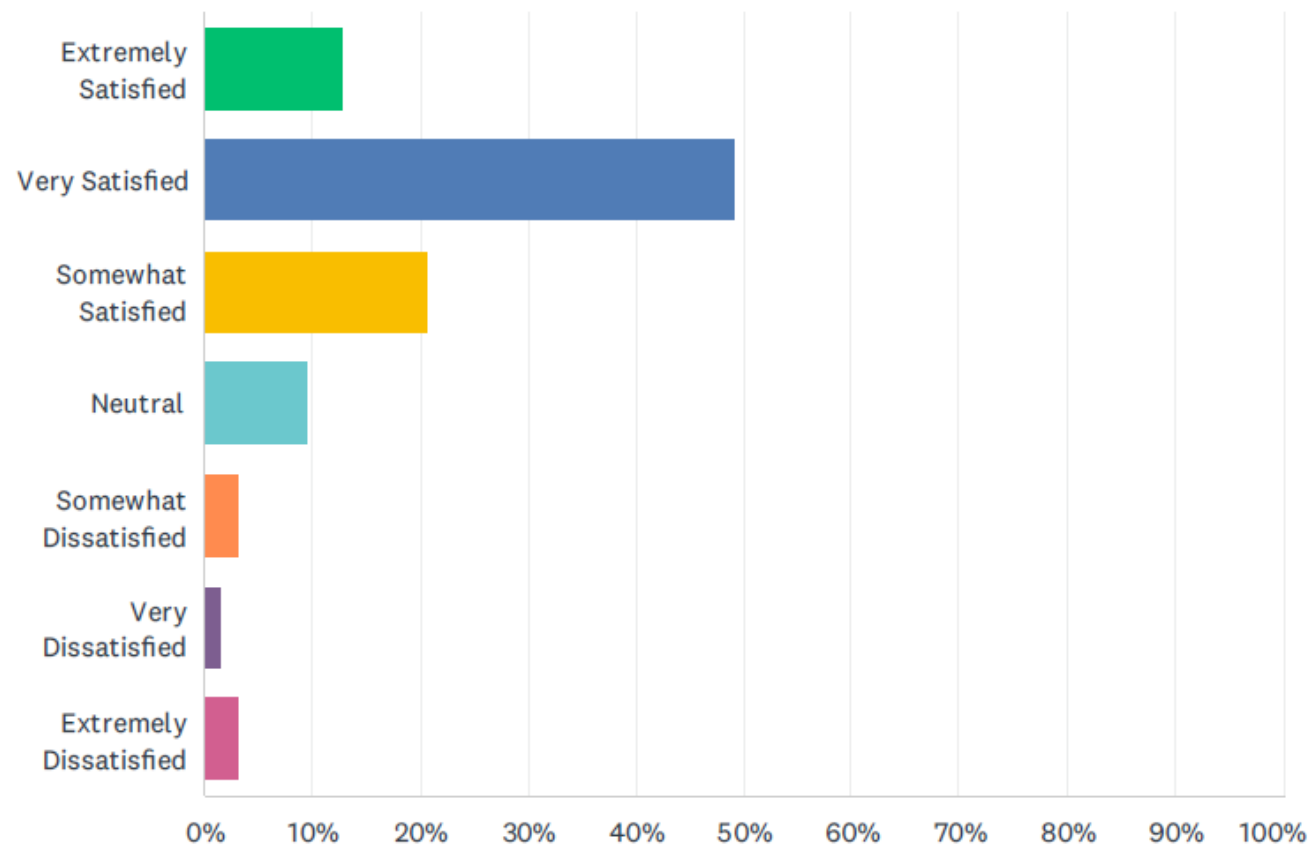
Membership Survey Results Q9



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Q9 Overall, how satisfied have you been with SANIRE events?

Answered: 63 Skipped: 2



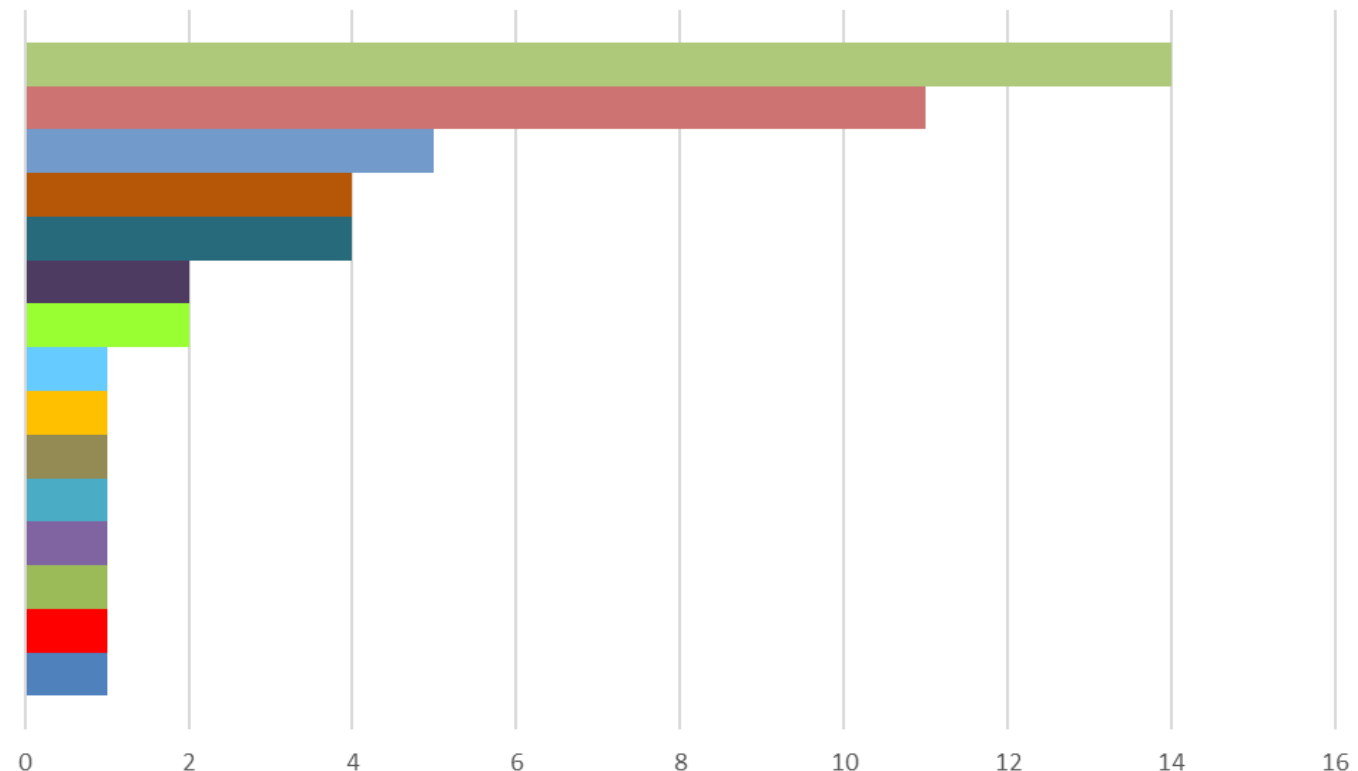
Membership Survey Results Q10



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Q10 How can SANIRE make Branch Quarterly Meetings and other events more valuable to you? Please feel free to share any suggestions regarding future topics, formats, locations, speakers, duration, or any other event component that is important to you.

- Satisfied
- More Technical & Less Supplier Presentations
- Meeting Location / Decentralise Location
- Reconsider Meeting Times / Week Day
- Online Meetings
- Limit Meeting Duration
- Discuss More Development
- Revive Coal Branch
- Revive Gauteng Branch
- No Politics in Science and Engineering
- Acknowledge Retired Members
- Establish Northern Limb Branch
- Rock Engineering Career Expo
- Associate with ECSA
- Meeting Attendance Compulsory



Number of Mentions in Responses



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Treasury



Treasury: General Overview



- New financial year (2022-2023) started in July 2022.
- Financial year 2021- 2022 is concluded and an independent audit is in progress.
- Membership invoicing have not yet commenced as the announcement of the membership fee increase is only to be communicated today at the AGM.
- At all times two authentication is be applied, thus two signatories must release any payment made.

Treasury: General Overview



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Bank Account Balances are in a healthy state:

- Investment Account: 03 August 2022 – R1 101 552 (Ave. interest of R4 500 pm)
- Current Account: 03 August 2022 – R340 885
- All SANIRE Branches have positive account balances



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FINANCIALS 2021 / 2022

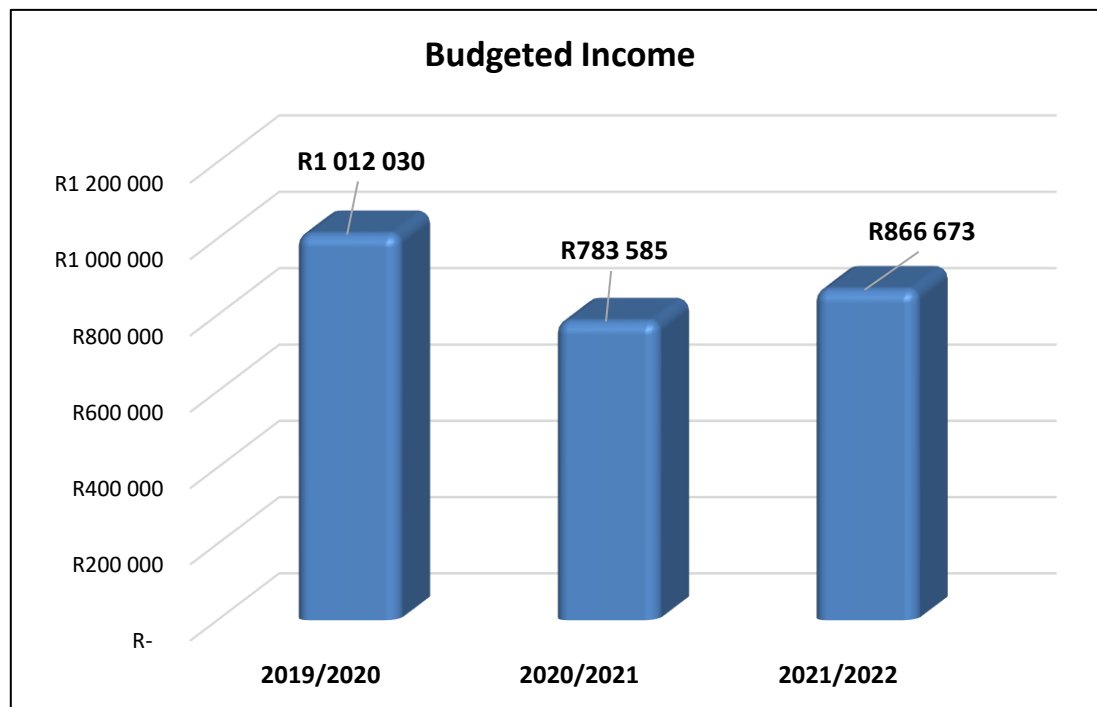
-Income

FY2021/ 2022: Income

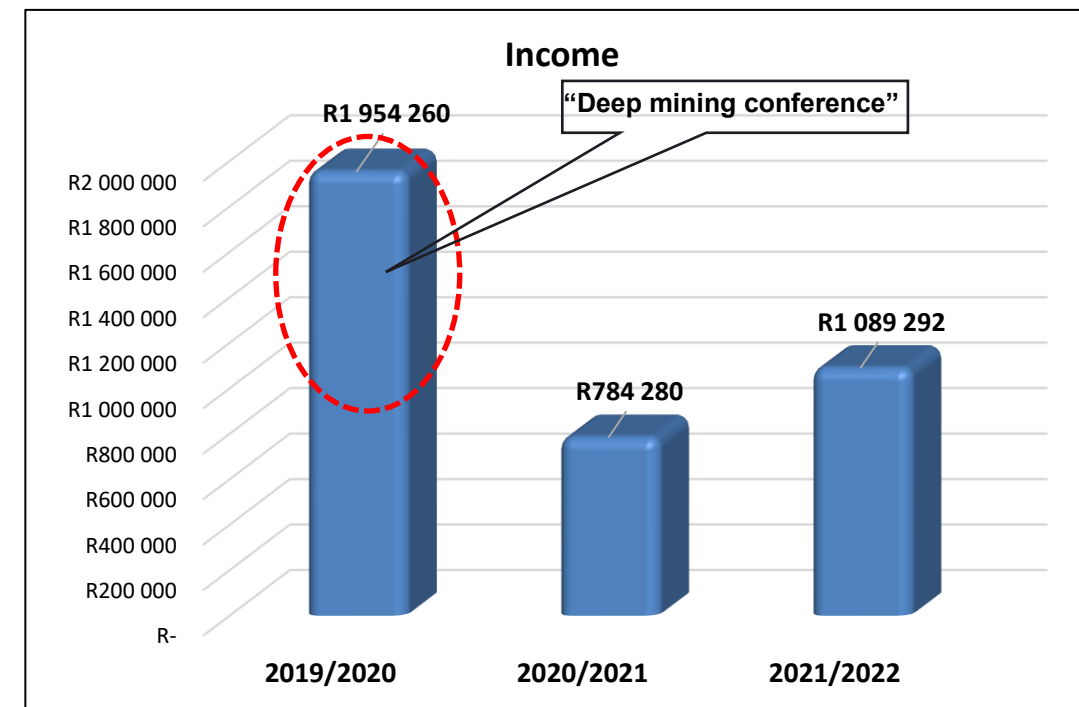


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BUDGET



ACTUAL



SANIRE INCOME SUMMARY

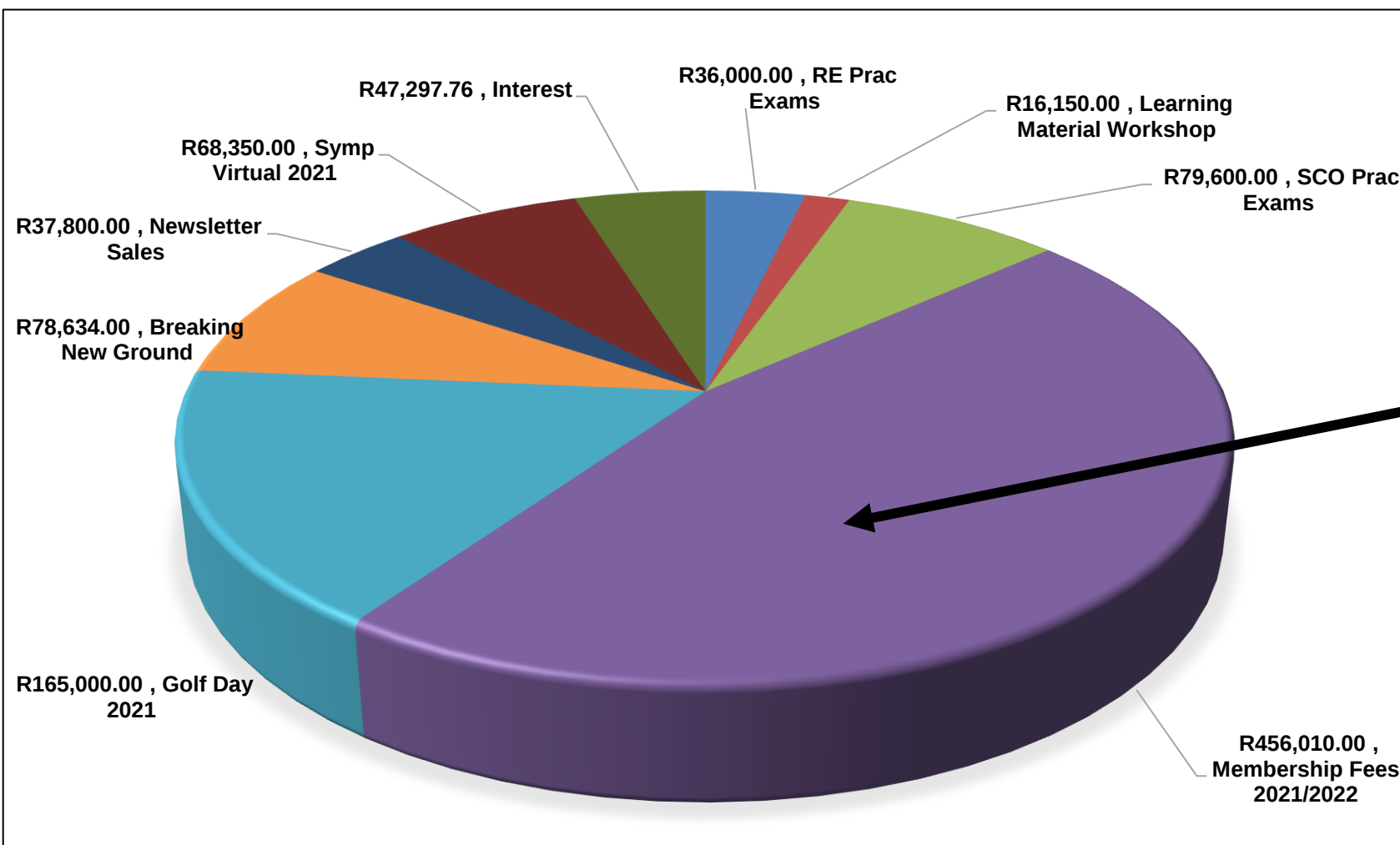
SANIRE National Branch	R984 842
Branches	R104 450
Total Income	R1 089 292

 **38%**

FY2021/ 2022: Income Main Branch



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Note

Recovered amounts:

- 85%- Singular Invoices
- 80%- Global Invoices

R321 768

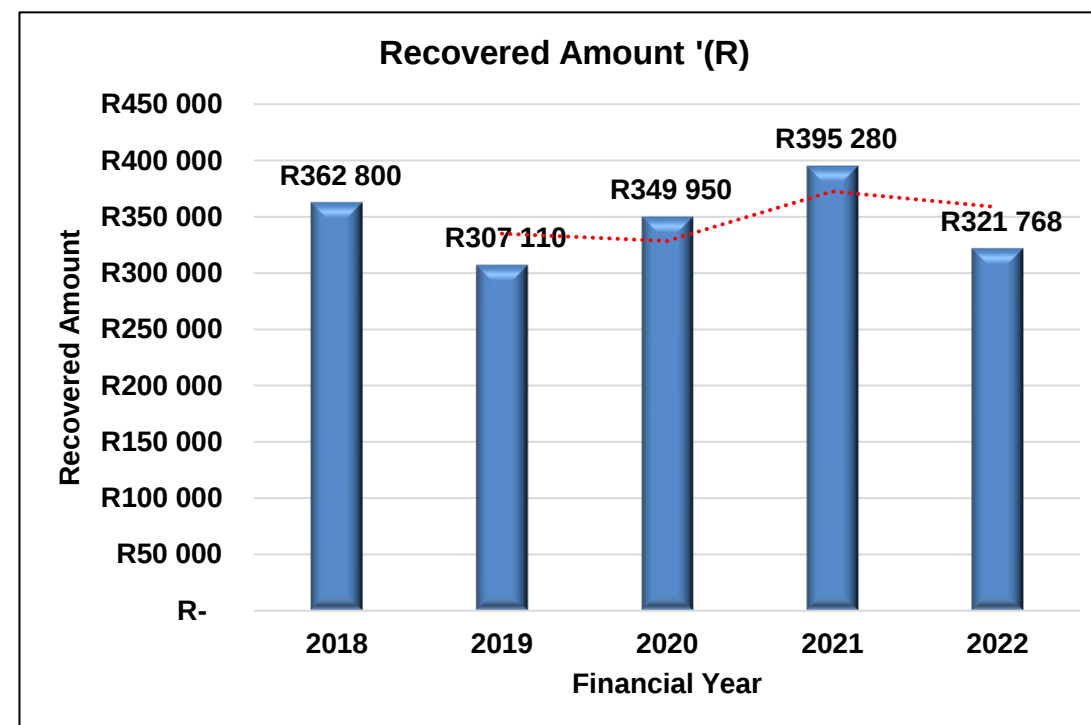
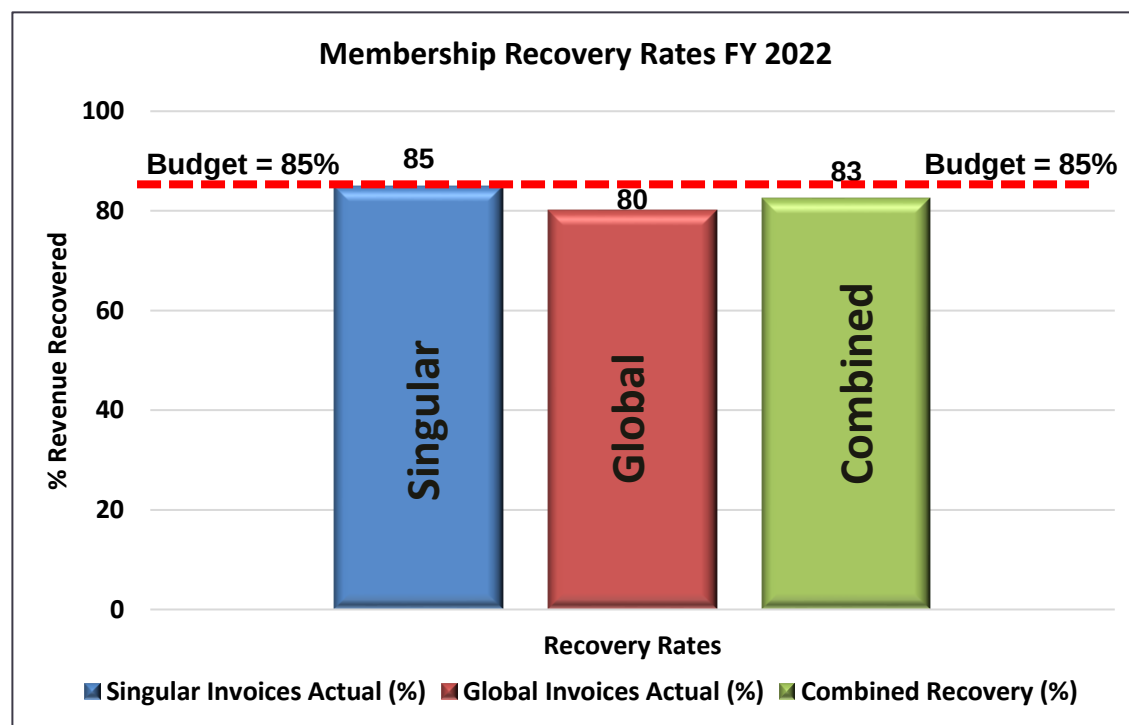
FY2021/ 2022: Income Membership Fees



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FY 2021/2022 Overall Recovery Rate = 83%

7%





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FINANCIALS 2021 / 2022

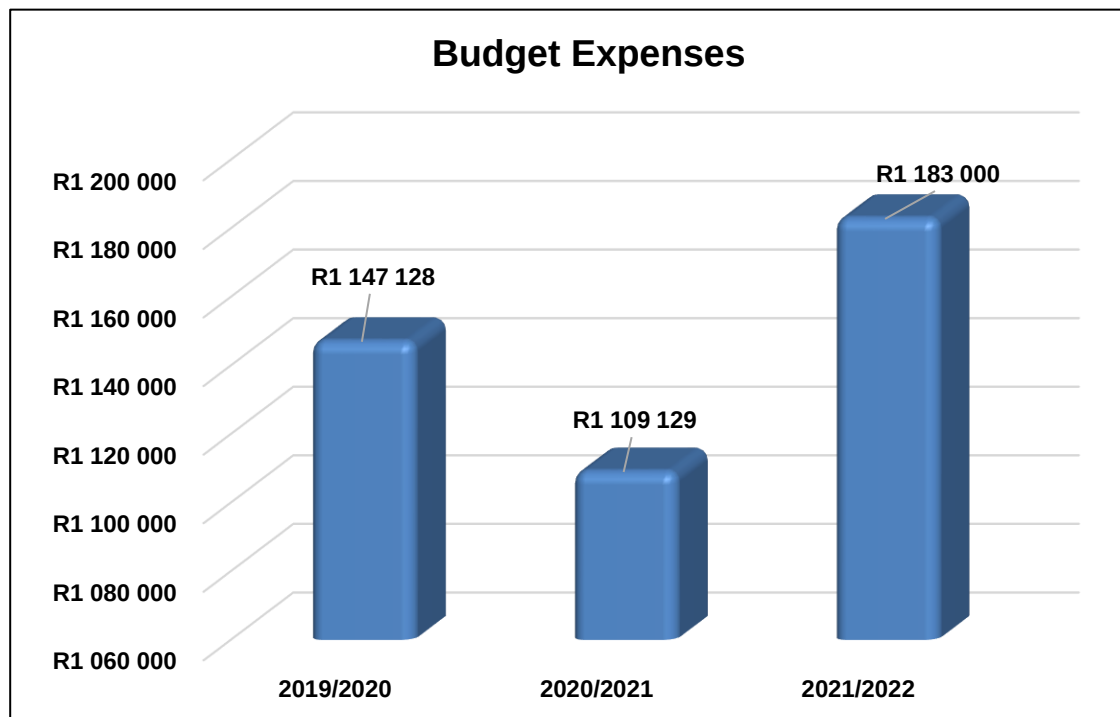
-Expenses

FY2021/ 2022: Expenses

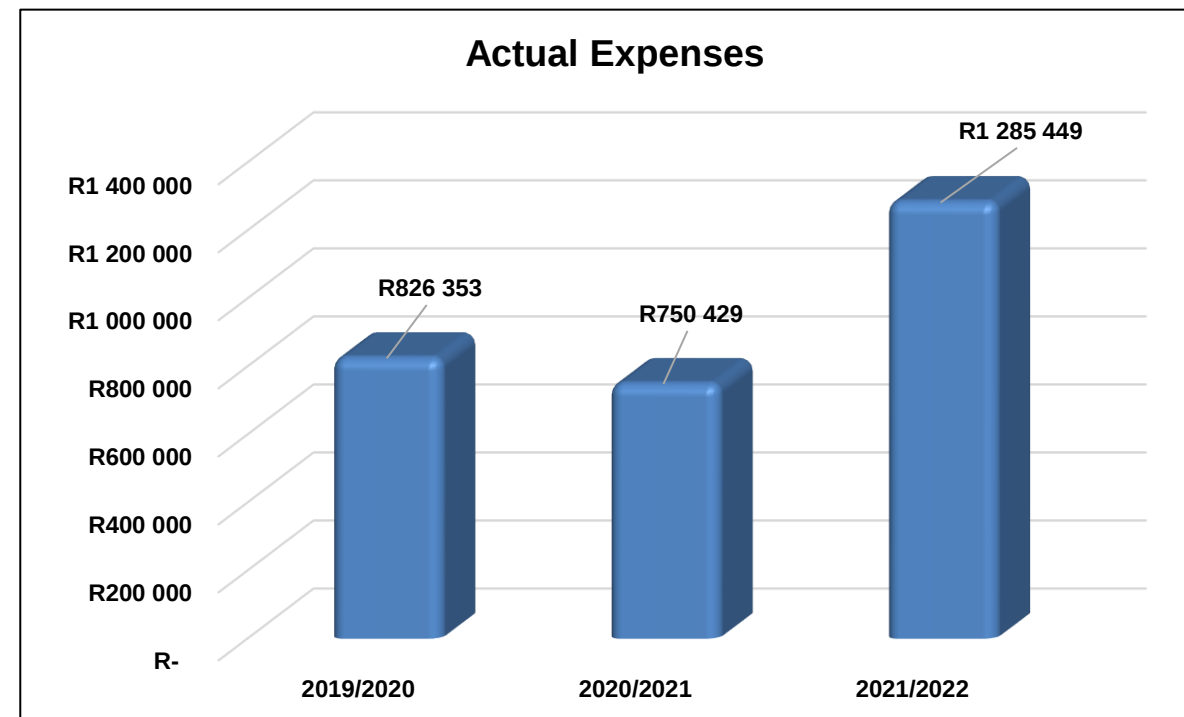


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BUDGET



ACTUAL



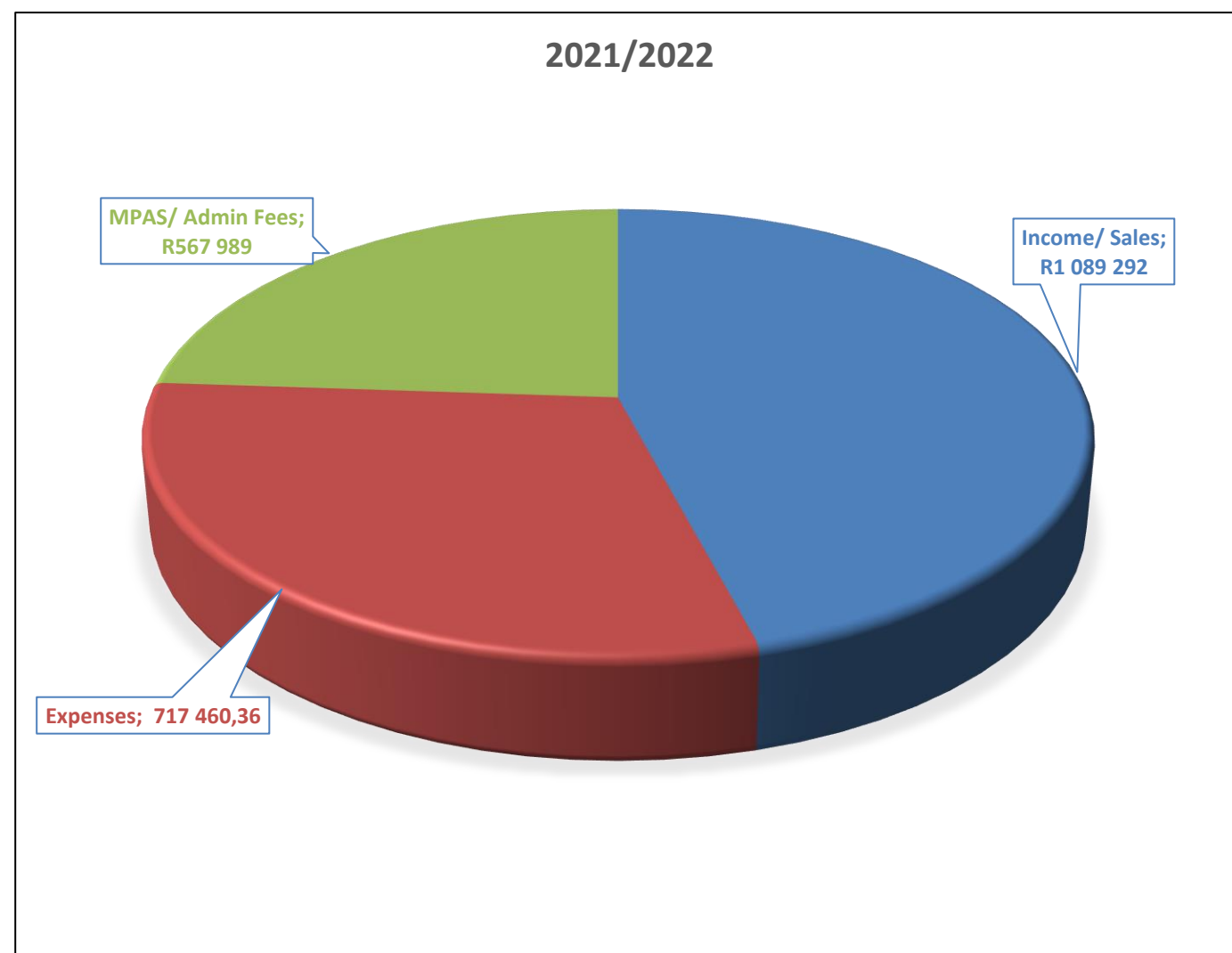
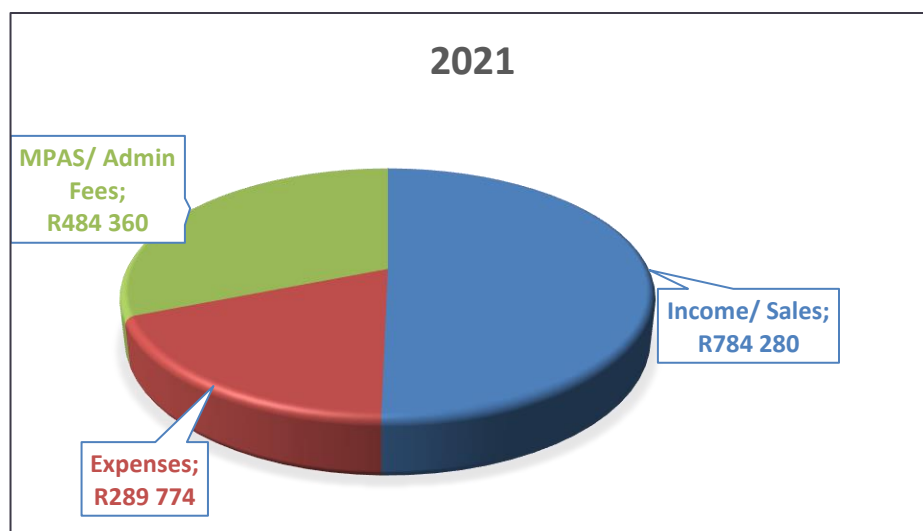
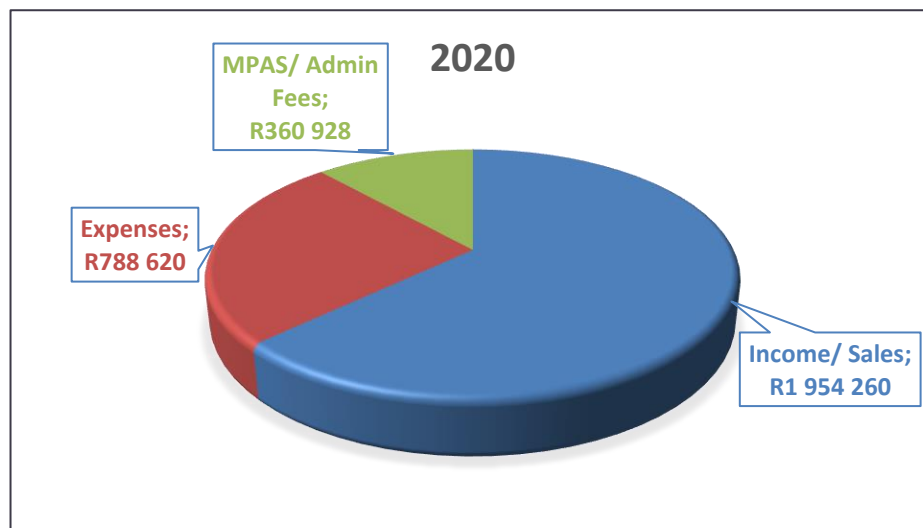
SANIRE EXPENSES SUMMARY

SANIRE National Branch	R1 155 948
Branches	R129 501
Total Expenses	R1 285 449

FY2021/ 2022: Expenses



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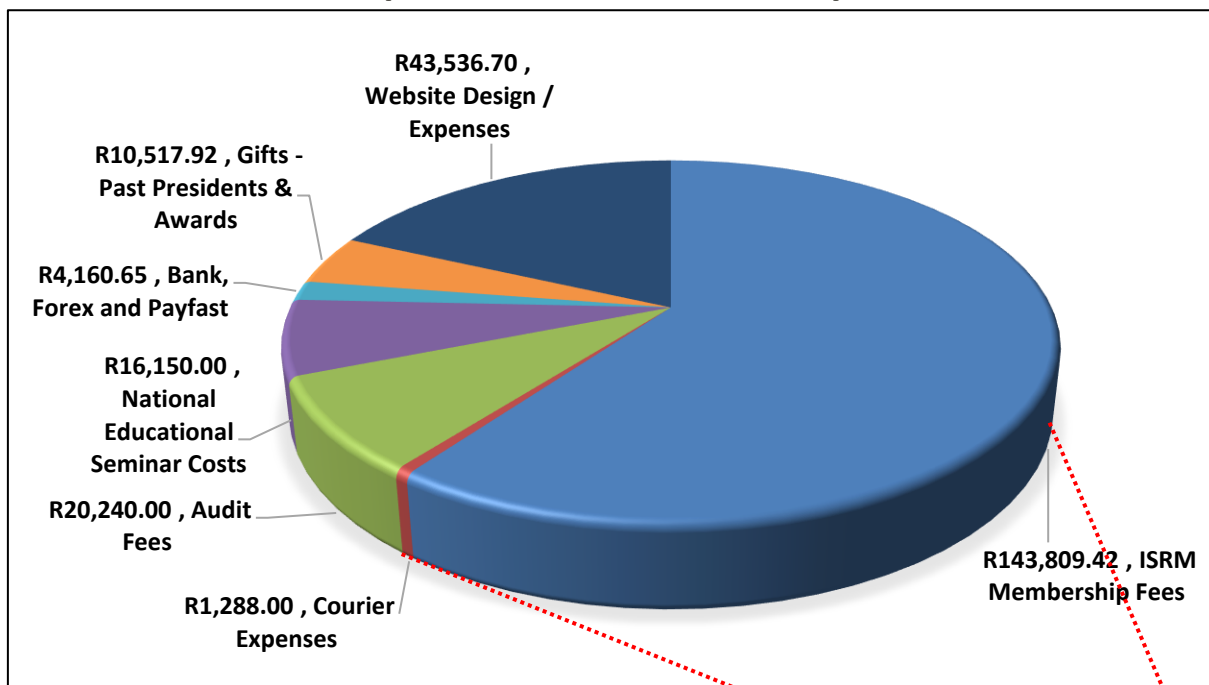


FY2021 / 2022: Operating and Events Expenses

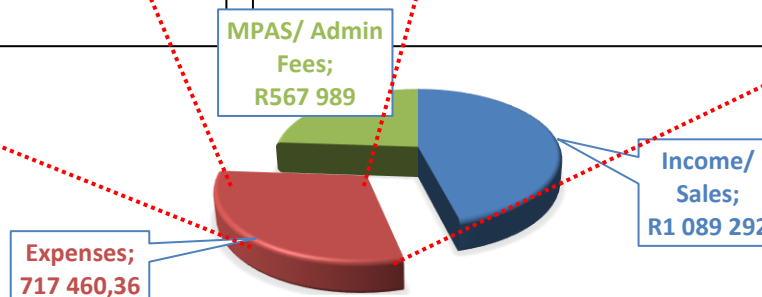
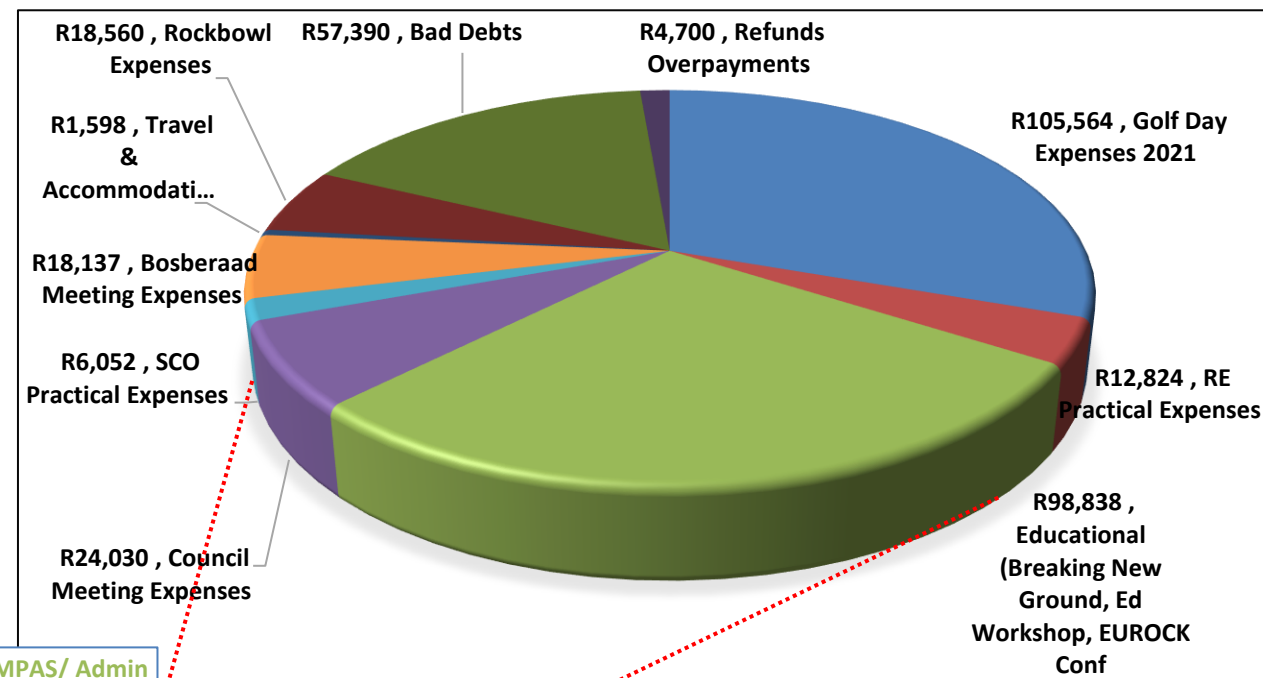


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MAIN BRANCH OPERATING COST (excl. administration)



MAIN BRANCH EVENT COSTS



FY 2021/ 2022: Income vs Expenses



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	Income	Expense	Shortfall/ Surplus
Freeval District	R10 000	R26 321	(R16 321)
Western Bushveld Branch	R10 500	R23 504	(R13 004)
Eastern Bushveld	R50 450	R56 350	(R5 900)
Coal Fields	R18 500	R10 285	R8 215
Gauteng Branch	R15 000	R13 031	R1,969
Northern Cape	R-	R-	R-
Main Branch	R984 841	R1 155 957	(R171 116)
Totals	R1 089 291	R1 285 448	(R196 157)



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Membership Fees

Proposed Membership Fees



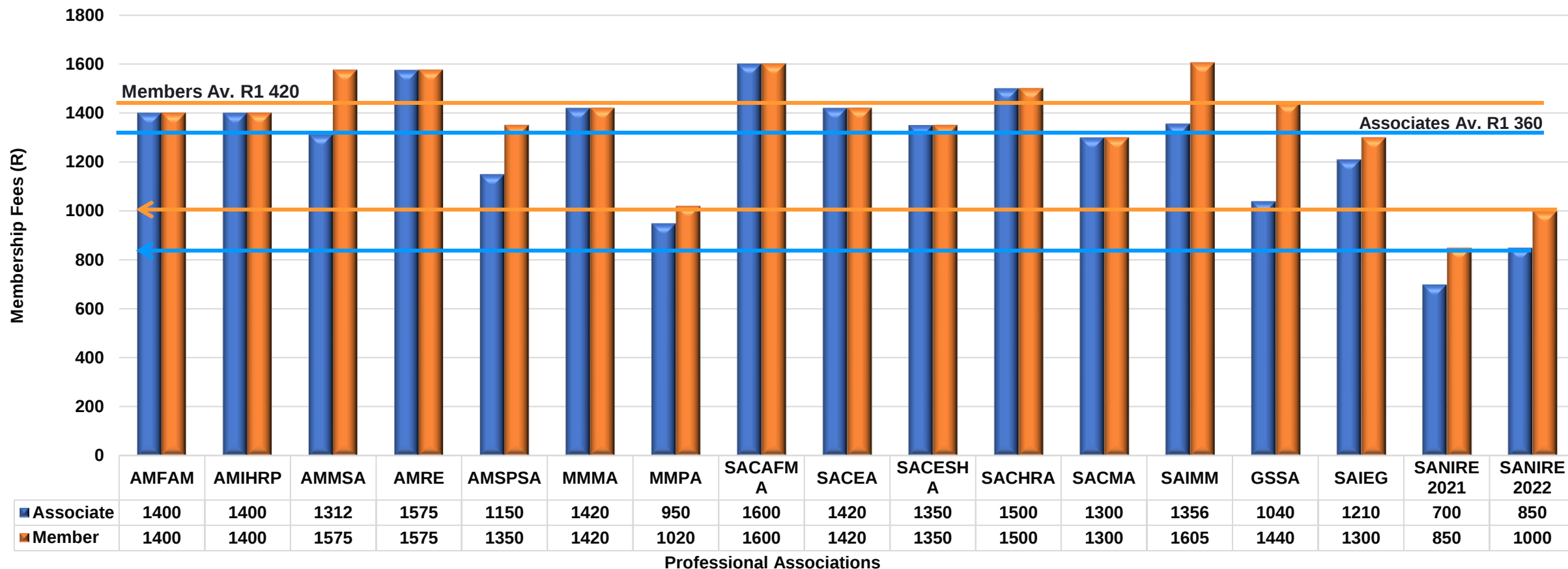
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Member type	Annual Fee 2022- Current	Annual Fee 2023	Variance
Honorary Life Fellow	FREE	FREE	
Student	FREE	FREE	
Retired Member	R280	R300	R20
Correspondence Member	R930	R1000	R70
Associate Member	R700	R850 (without ISRM Fee) R1000 (with ISRM Fee)	R150
Member	R850	R1000	R150
Fellow	R920	R1000	R80

Membership Fee Benchmarking



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Membership Fees Proposal



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CATEGORY	Aug-22	Current Membership Fee (R)	Income from Member fees (No increase)	12% Aggregate Increase' Membership Fee (R)	12% Aggregate Increase' Income from Membership Fees
Associate Members	421	700	R 294,700	850	R 357,850
Members	150	850	R 127,500	1000	R 150,000
Fellow Members	14	920	R 12,880	1000	R 14,000
Retired Members	7	280	R 1,960	300	R 2,100
Correspondence Members (Foreign)	3	930	R 2,790	1000	R 3,000
Honorary Life Members	2	0	R -	0	R -
Honorary Life Fellow Members	16	0	R -	0	R -
Student Members	1	0	R -	0	R -
TOTAL MEMBERS:	614		R 439,830		R 526,950
Recovery rate	@85%		R 373,856		R 447,908



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BUDGET FY2022 / 2023

Budget FY2022/ 2023: Expenses



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FY2022/2023 Budget

2023 Expenses		Budget	Notes
Administration			
MPAS, admin costs	R	596,400.00	2022 Expense plus 5% increase
Third party audit	R	21,000.00	20k in 2021
* Marketing (SANIRE Branded Gifts)	R	5,000.00	Branded gifts
Courier and handling fees	R	1,500.00	
Bank charges	R	4,500.00	
ISRM & SAIMM member fees	R	74,500.00	Pay for all Members
* Travel grant (ISRM Symp, Sal&Ortl awards)	R	175,000.00	Rockbowl Team to Paraguay (5 people)
Meetings and Functions			
- Bosberraad	R	25,000.00	in 2023 with new Council elections
- Banquet	R	300,000.00	The banquet must be self-funded. Banquet requires upfront cash flow
- AGM	R	35,000.00	
Golf day	R	180,000.00	To generate at least R80k profit
- Council Meetings	R	10,000.00	Face to face meetings reduced to 2 from 4
- RockBowl	R	18,000.00	Consider sponsorship if event is done with symposium
- Symposium 2022	R	373,000.00	Financials figures based on actual symposium incurred costs
- Symposium 2023	R	400,000.00	Planned at breakeven (symposium to occur in the first half of 2023)
* - Other Workshops	R	20,000.00	
* Awards	R	40,000.00	(Past presidents and farewell gifts, Awards, students)
Practical Exams			
- SCO Practicals	R	40,000.00	
- RE Practicals	R	15,000.00	
Other			
* Website hosting and Development	R	40,000.00	
Total	R	2,373,900.00	

Budget FY2022/ 2023: Income



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2023 Income		Budget	
Member fees (85% recovery)	R	447,907.50	Based on a 85% recovery @Adjusted Fees
Symposium 2022	R	610,000.00	R220k profit realised from the Symp 2022
- Symposium 2023	R	400,000.00	Planned at break-even
Banquet	R	300,000.00	Planned at break-even
Rockbowl	R	18,000.00	
<u>SCO & RE exams</u>			
- SCO Prac Exam Oct 2022	R	35,000.00	
- SCO Prac Exam Mar 2023	R	36,000.00	
- RE Prac Exam Nov 2022	R	20,000.00	
- RE Prac Exam Mar 2023	R	20,000.00	
Donations (exhibitions etc.)	R	26,703.60	
Golf day	R	260,000.00	To generate at least R80k profit
RockTalk adverts	R	30,000.00	
Other			
Merchandise & book sales	R	5,000.00	
Total	R	2,208,611.10	
Surplus/shortfall		-R 165,288.90	

Budget 2022/ 2023: Budget Based on Increased Membership Fees



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Financial Year	Budget Income	Budget Expenses	Budget Shortfall /Surplus
2019/2020	R1 012 029	R1 147 128	-135 098
2020/2021	R783 584	R1 109 128	-R325 544
2021/2022	R866 672	R1 183 000	-R 316 327
2022/2023	R2 208 611	R2 373 900	-R165 289



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Education





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THEORY EXAMINATIONS

May 2022 Examination Results



SANIRE
SOUTH AFRICAN NATIONAL INSTITUTE
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05 August 2022

- Results published by Minerals Council on COMCERT website on 29 July 2022 as committed.
- One query received on 03 August 2022: difference in published results between Friday 29 July & Monday 01 August 2022.
- Minerals Council requested to provide an official explanation.

To : All Members, Candidates and Committee Members
South African National Institute of Rock Engineering (SANIRE)

From: Minerals Council of South Africa
Skills Development Department

CC : Chairperson of RMC Committee, Head of Skills Development.

Dear Members

Migration from old system to new system and data glitches identified.

Minerals Councils South Africa has migrated to a new administrative system that manages and control the uploading, updating, and publishing of all examination results conducted by the council.

The first time that examination results was being used to upload to the new system was for the results of the May 2022 examinations. Unfortunately, we picked up a system "glitch/error" on Friday, 29th July, for the results that were uploaded. All the results that were uploaded on the 29th July were thus incorrect.

After detecting this "glitch/error" on the evening of 29th July 2022 corrective measures were taken and correct results were uploaded before end of day, 30 July 2022.

The Minerals Council must apologize for these inconveniences / errors that had arisen in switching over to our new CoMCert system. We are confident that such incidence will not take place in the future.

Yours sincerely

OGODISENG SENYE
SENIOR POLICY ANALYST

Tel: 072 3924561

Cell: 011 498 7178

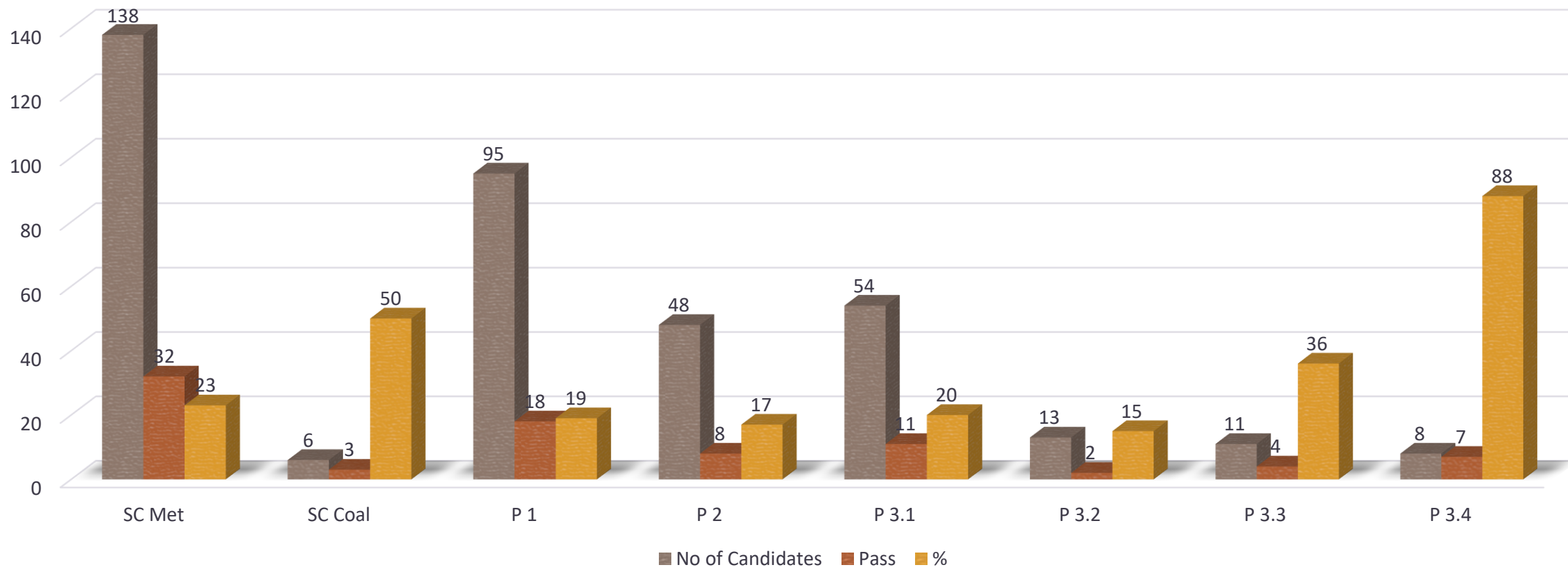
Email: osenye@mineralscouncil.org.za

Theory Examination results – May 2022



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May 2022 Examination Results

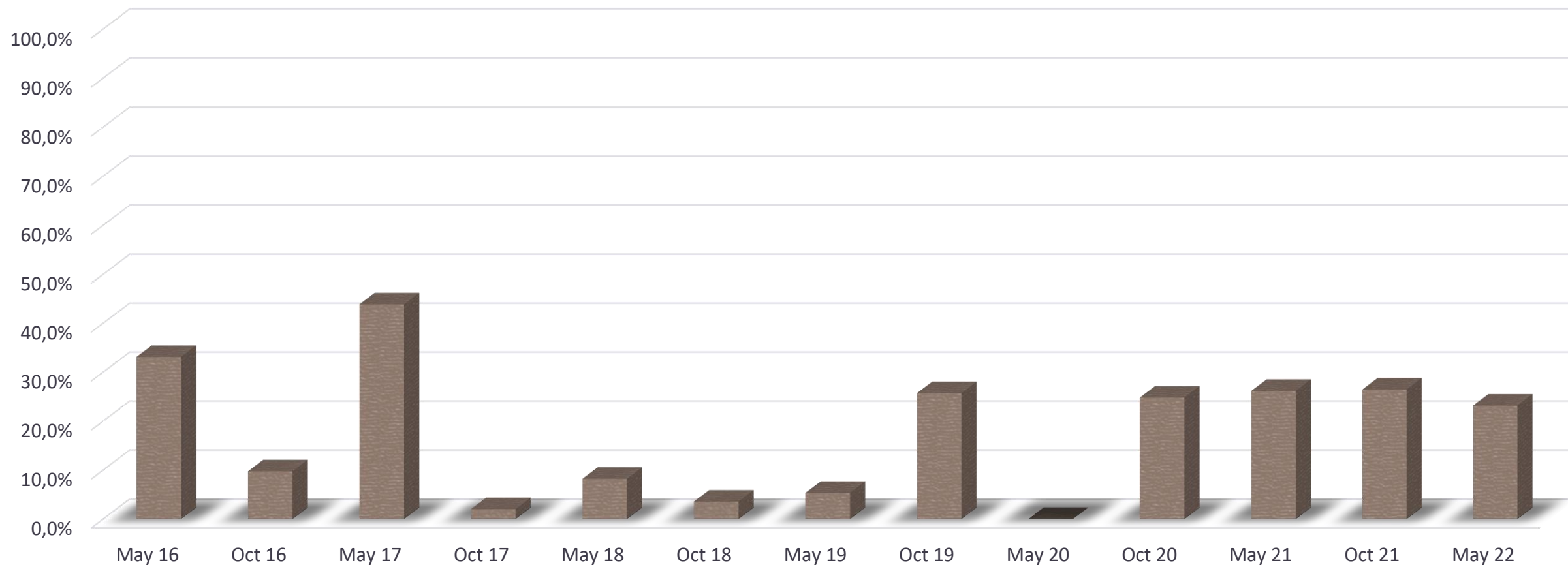


Theory Examination



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OF ROCK ENGINEERING

SCO Met Pass Rate

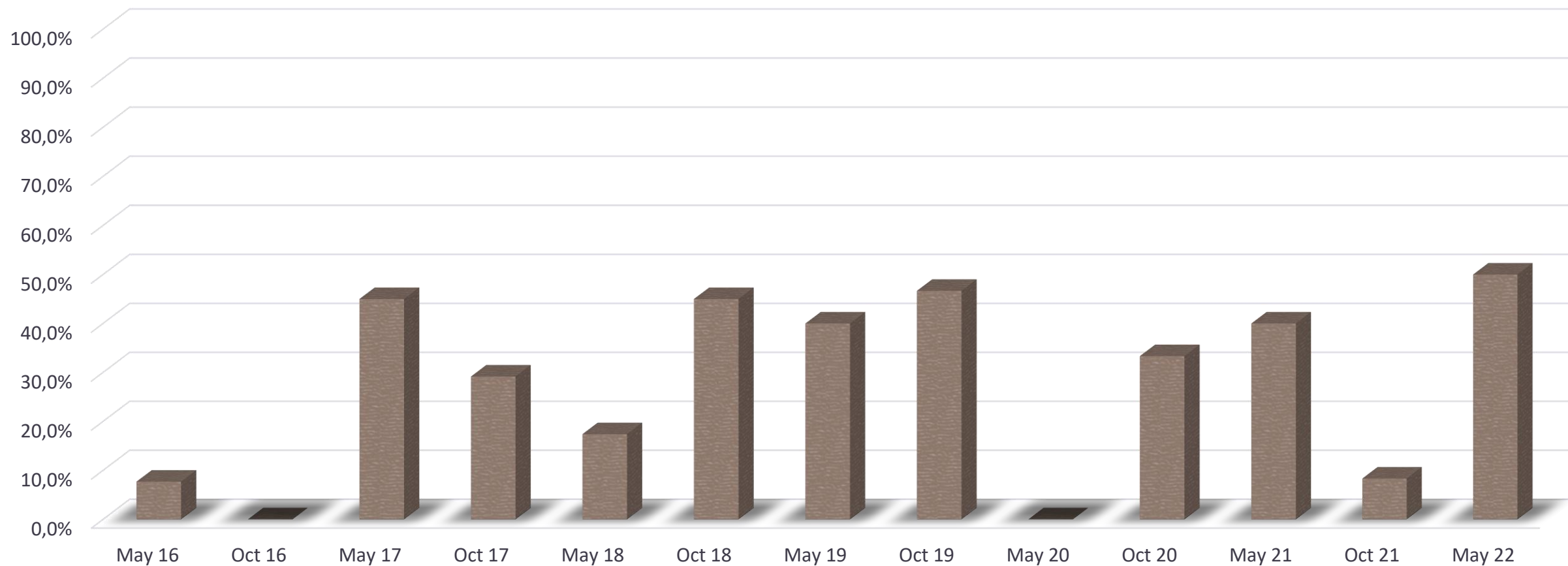


Theory Examination



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SCO Coal Pass Rate

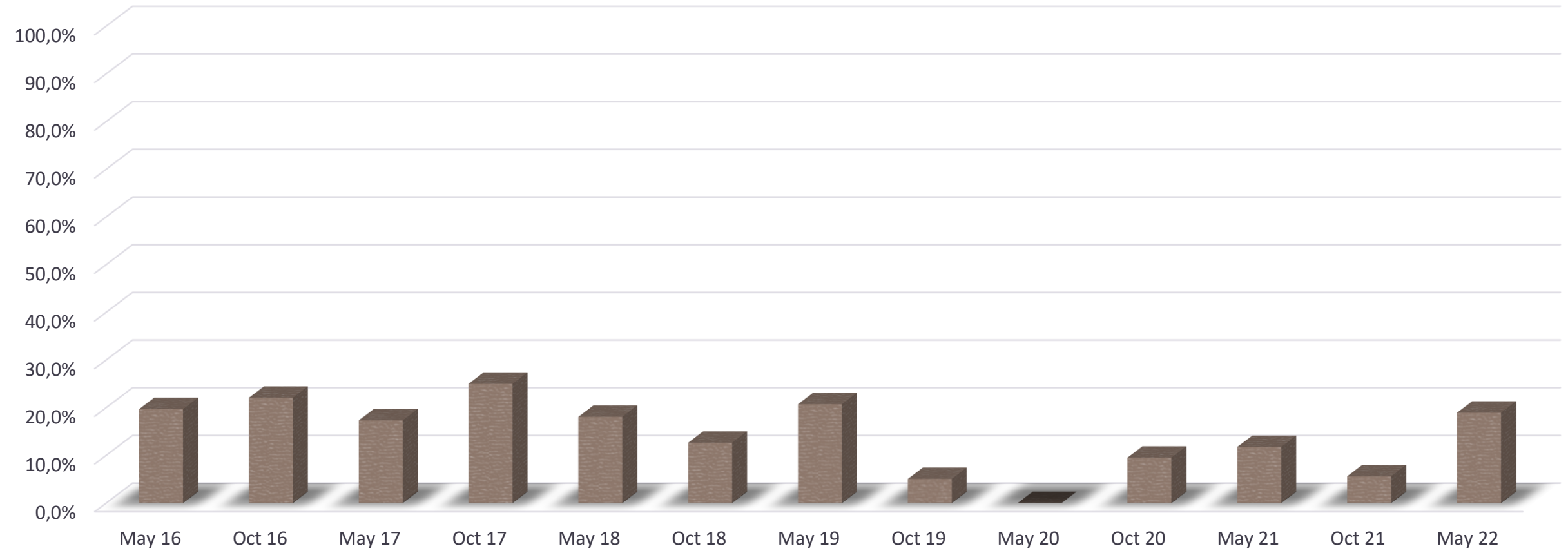


Theory Examination



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RMC P1 Pass Rate

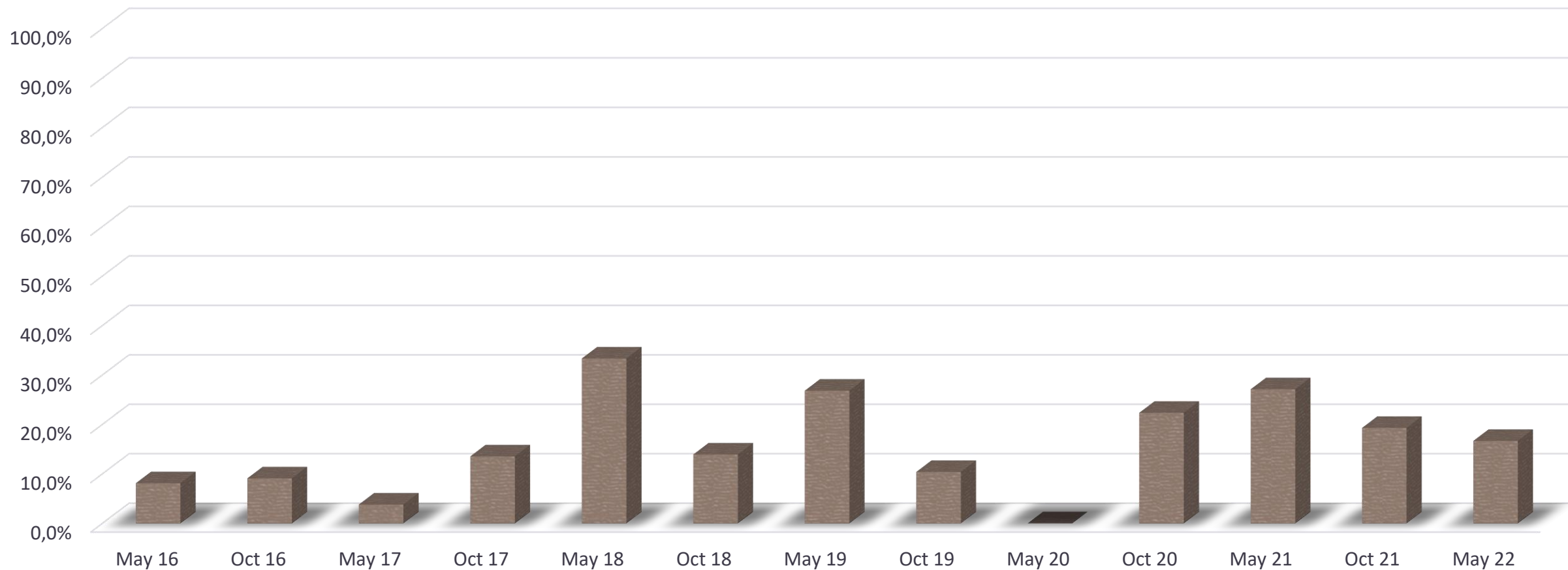


Theory Examination



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RMC P2 Pass Rate

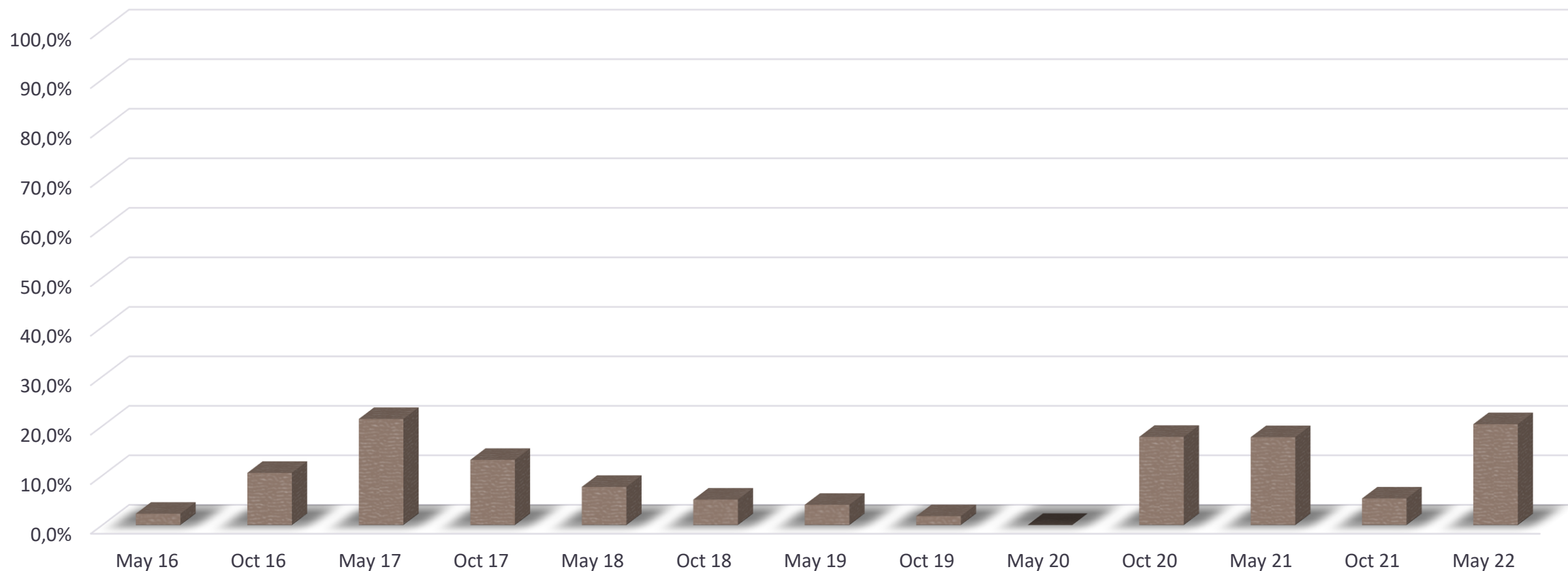


Theory Examination



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RMC P3.1 (Hardrock) Pass Rate

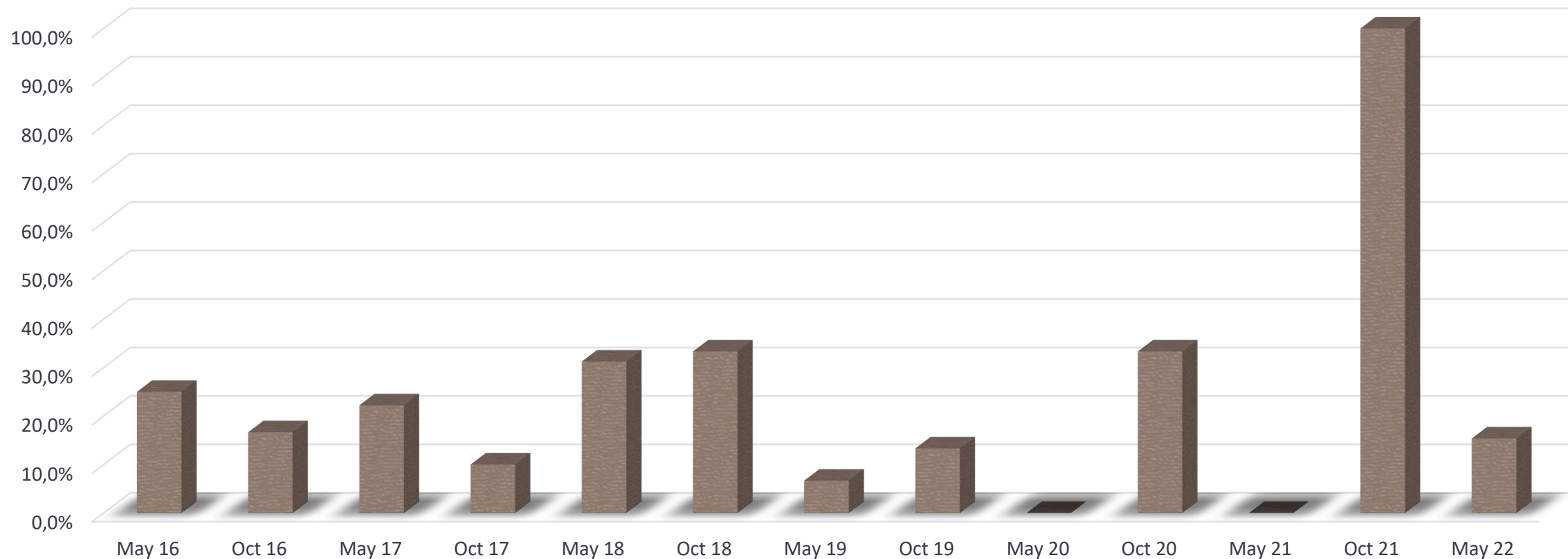


Theory Examination



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RMC P3.2 (Coal) Pass Rate

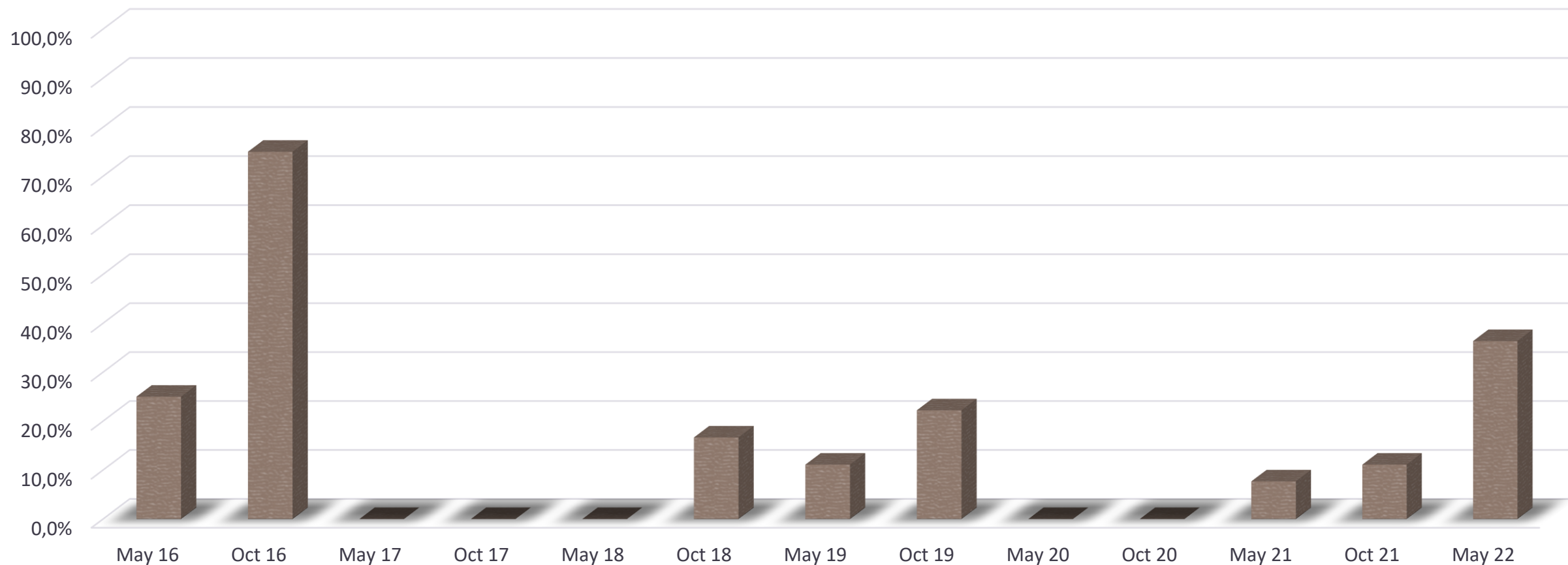


Theory Examination



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RMC P3.3 (Massive) Pass Rate

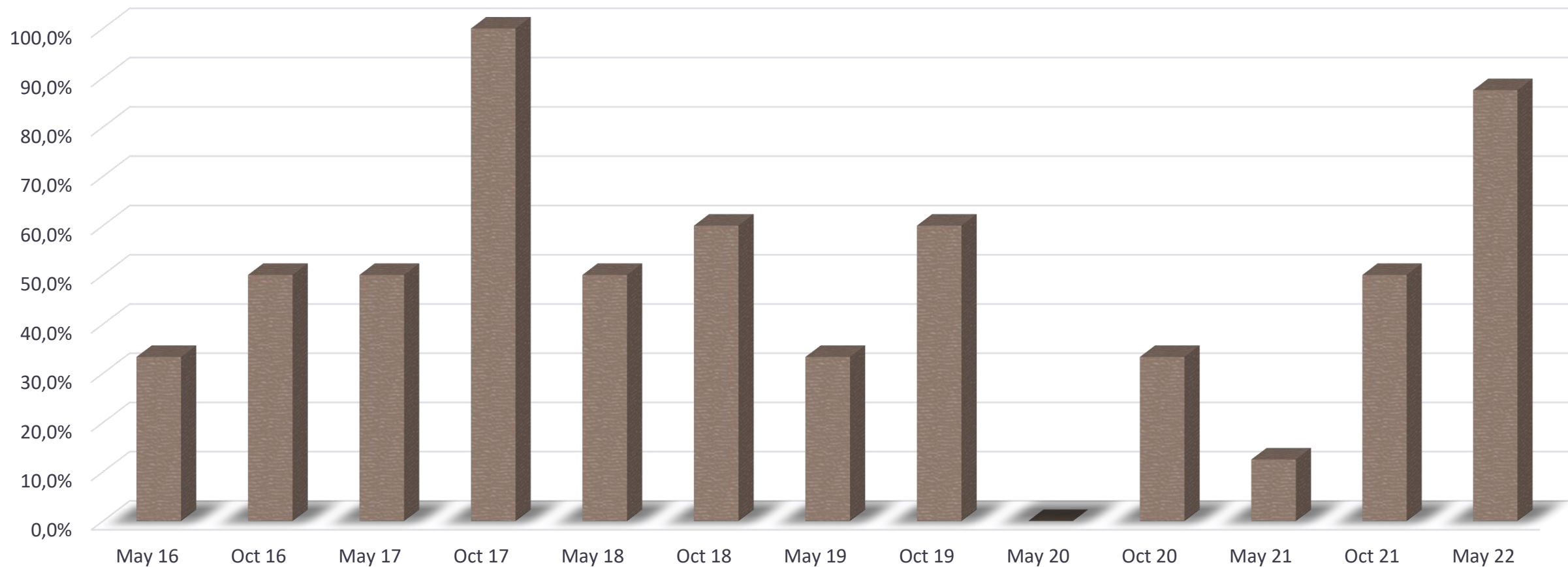


Theory Examination



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RMC P3.4 (Surface) Pass Rate

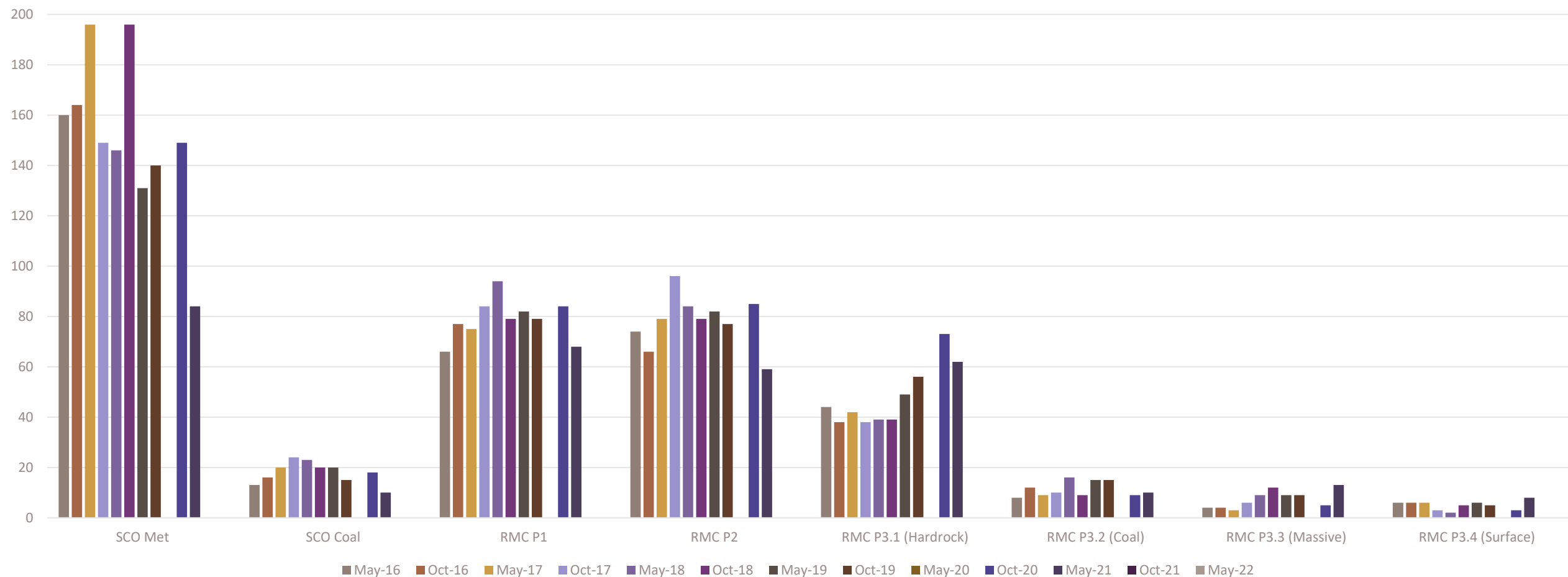


Theory Examination



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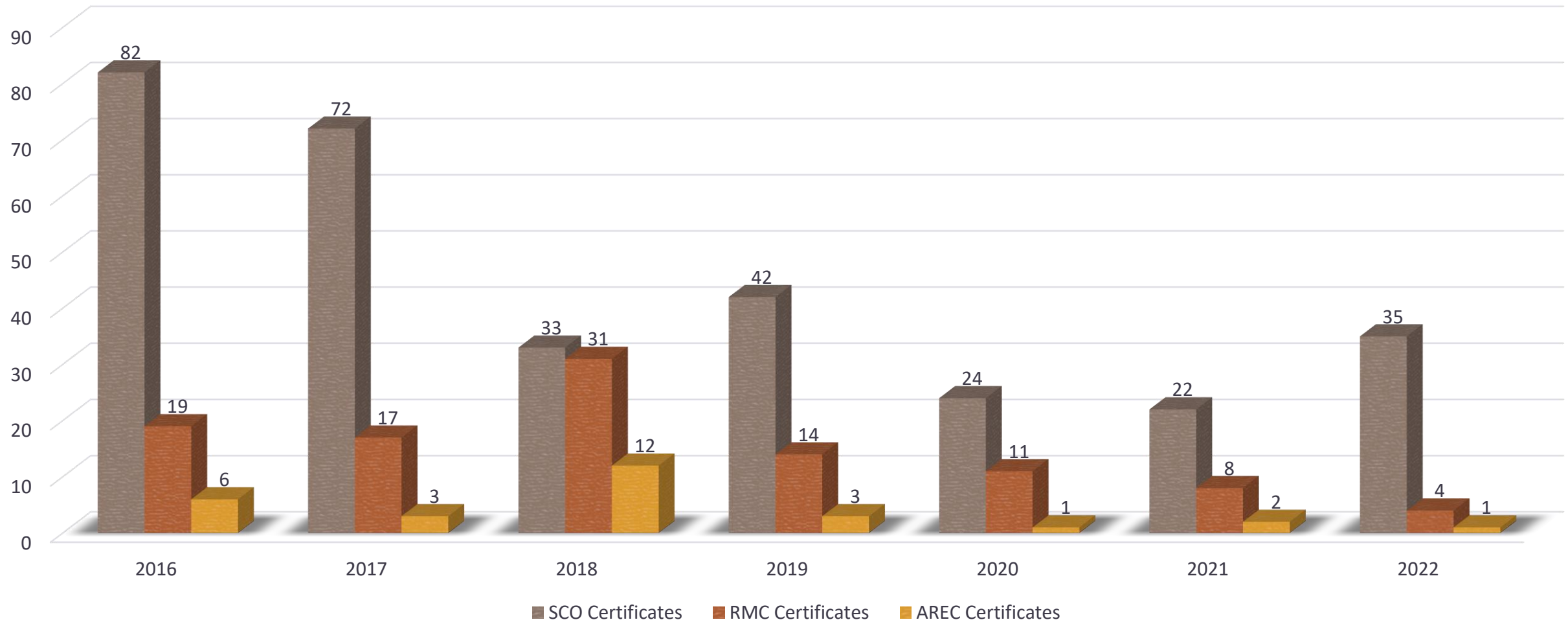
Summary number of candidates per paper



Theory Examination



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Examiners / Moderators



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Exam	2022 Oct		2023 May		2023 Oct		2024 May	
	Examiner	Moderator	Examiner	Moderator	Examiner	Moderator	Examiner	Moderator
SCO Met	Mbubelo Ngwenya	Lucas van Aswegen	Mbubelo Ngwenya	Lucas van Aswegen	Mbubelo Ngwenya	Yerisha Rajpal	Mbubelo Ngwenya	Yerisha Rajpal
SCO Coal	Cassius Selai	Rofhiwa Malogwa	Cassius Selai	Rofhiwa Malogwa	Cassius Selai	Rofhiwa Malogwa		
P1	Sandor Petho	Obakeng Ramukukoe	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	Fezekile (Pearl) Mosiane	
P3.1	Jeane Matsobane	Richard Lousteau	Jeane Matsobane		Jeane Matsobane		Jeane Matsobane	
P3.2	Nduduzo Khathi	Mandla Mazibuko	Nduduzo Khathi	Mandla Mazibuko	Nduduzo Khathi	Mandla Mazibuko		
P3.3	George Louw	Kevin le Bron	Thokozani Mtshali	George Louw	Thokozani Mtshali	George Louw	Thokozani Mtshali	
P3.4	Thandile Dlokweni	Rob Armstrong	Thandile Dlokweni	Rob Armstrong	Thandile Dlokweni	Rob Armstrong	Thandile Dlokweni	Rob Armstrong

1st exam
2nd exam
3rd exam
Last exam



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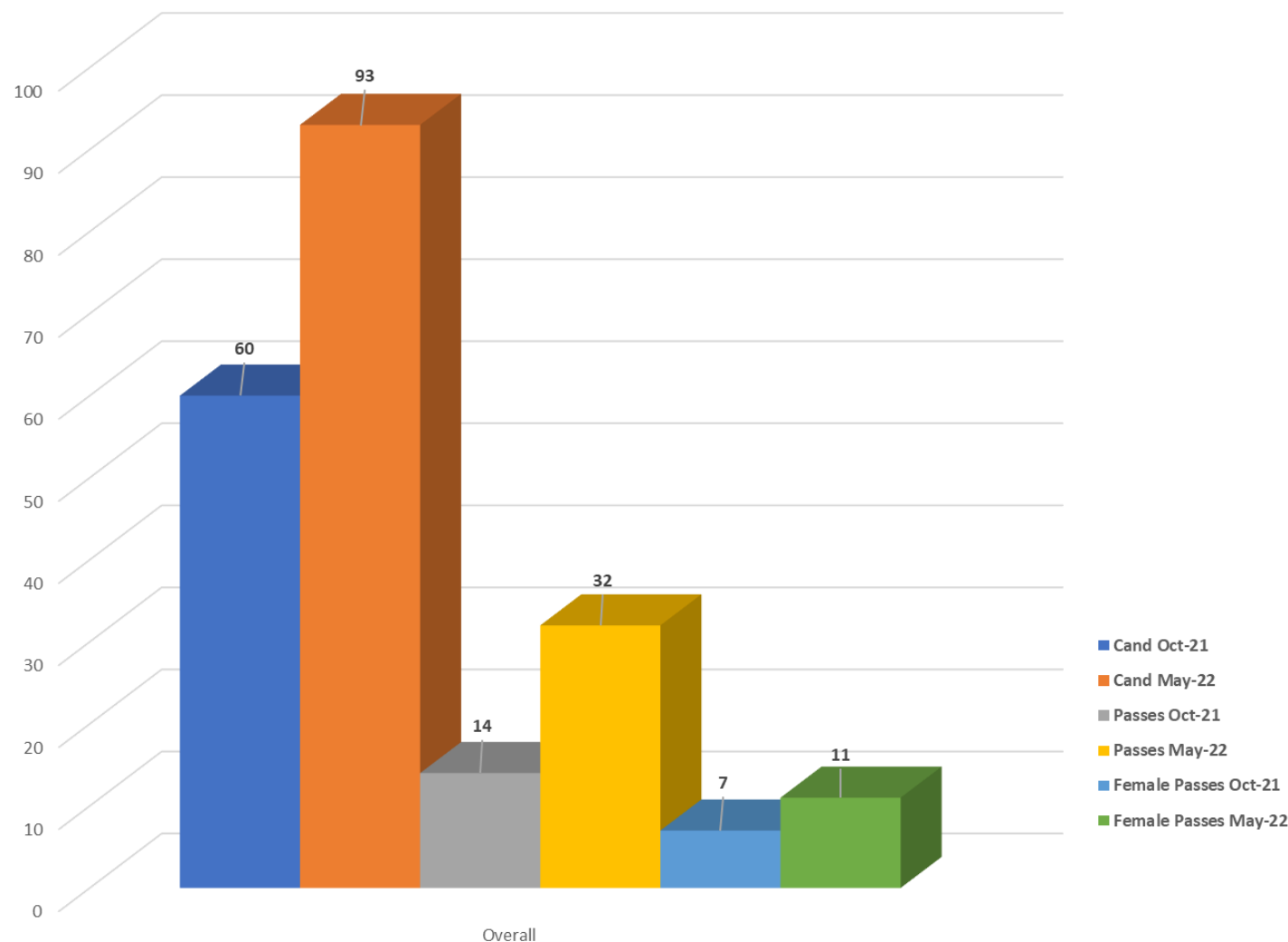
SCO PRACTICAL EXAMINATIONS

SCO Practical Exam Results



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STRATA CONTROL PRACTICAL EXAMS RESULTS

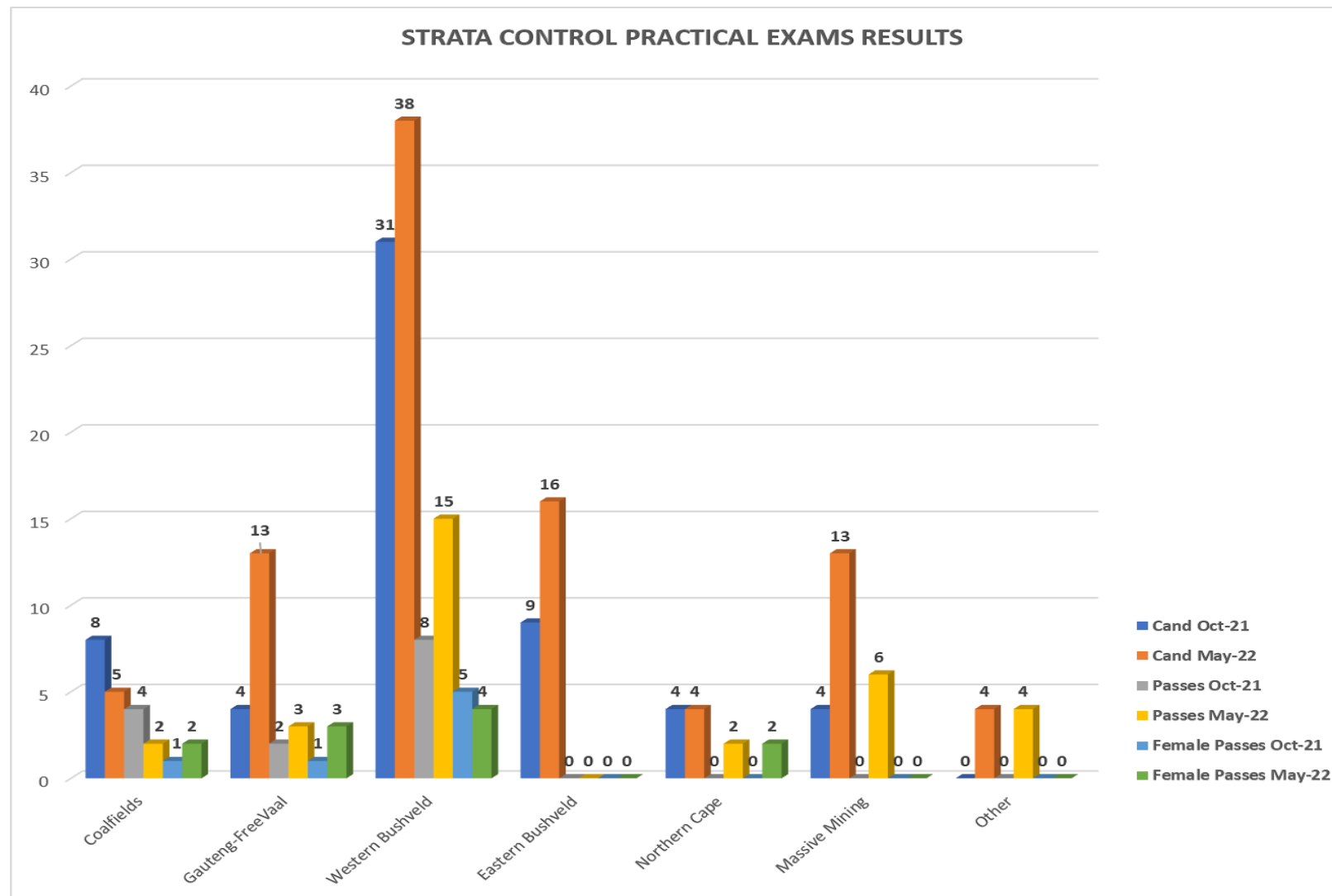


- 46 passed over the period:
 - 39% female passes.
 - 128% increase in number of passes in May 22 exam vs Oct 21.
- Overall percentage passes:
 - 23% Oct 21 & 34% May 22

SCO Practical Exam Results



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- 0% passes in 3 branches in 2021 and 1 in 2022.

STRATA CONTROL CERTIFICATE HOLDERS-Oct 2021



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A Sambo
Exxaro Coal



K Manyelo
Sibanye Stillwater



R Maila
Seriti Coal



M Langa
Harmony Gold

STRATA CONTROL CERTIFICATE HOLDERS-Oct 2021



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S Mulchand
Anglo American



L Dube
Anglo American



T Mamosebo
Anglo American



S Pentasaib
Sibanye Stillwater

STRATA CONTROL CERTIFICATE HOLDERS-Oct 2021



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Lindiwe Zondo
Royal Bafokeng



T Phukubje
Royal Bafokeng Platinum



M Khoele
Seriti Resources



K Mashaba
Seriti Coal

STRATA CONTROL CERTIFICATE HOLDERS-Oct 2021



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L Motlhake
Anglo American



R Lamola,
Sibanye-Stillwater

STRATA CONTROL CERTIFICATE HOLDERS



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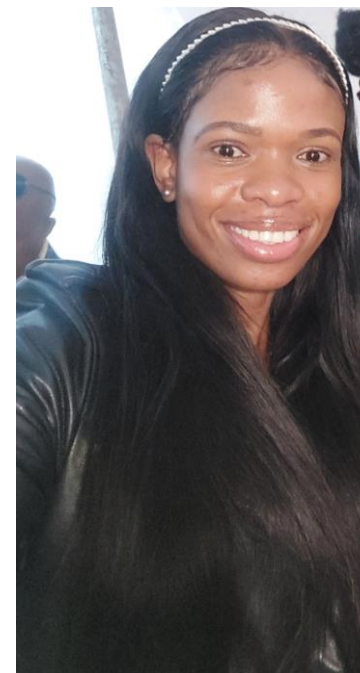
B Bohule
Cowburn Isherwood



C Kamawe,
First Quantum



T Kekana,
Palabora Mining



R Lamola,
Sibanye-Stillwater

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



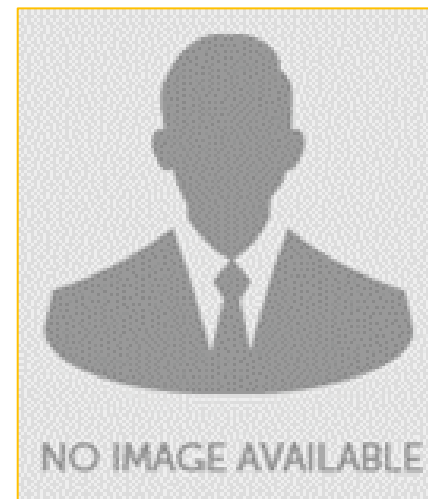
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L Ledwaba
Eland Platinum



D Legoabe
Sibanye-Stillwater



J MacPherson
Sibanye-Stillwater



A Majuta
First Quantum

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



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N Maleka
Anglo Platinum



J Matjila
Sibanye-Stillwater



C Mbimbi
First Quantum



N Mbonambi
Ekapa Minerals

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



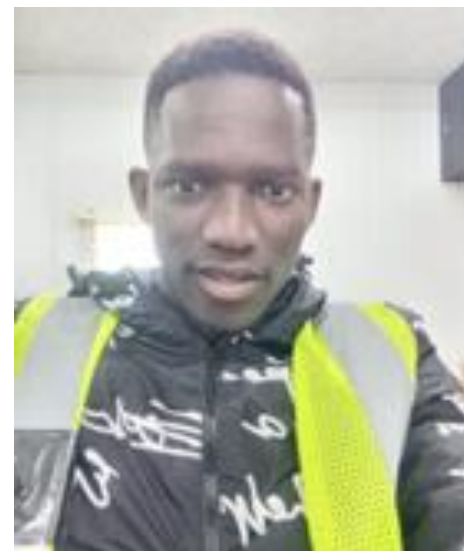
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R Mfaladi
Anglo Platinum



T Mhlanga
Thungela Resources



G Monama
Northam Zondereinde

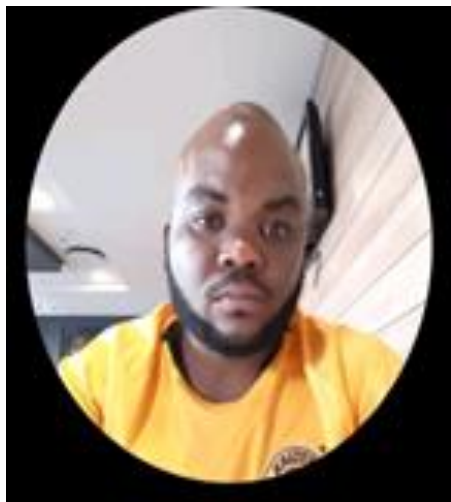


D Montse
Impala Platinum

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



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C Mpilo
Eland Platinum



U Mukwevho
Eland Platinum



M Nchabeleng
Exxaro Resources



P Ndlovu
Palabora Mining

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



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M Phasha
Northam Zondereinde



C Phuduhudu
Northam Zondereinde



S Pienaar
Impala Platinum



T Rampedi
Ekapa Minerals

STRATA CONTROL CERTIFICATE HOLDERS-May 2022



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N Ramunenyiwa
UMM Contracting



M Sekgobela
Preman Mining



T Sibiya
MLB Consulting



W Singoyi
First Quantum



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RE PRACTICAL EXAMINATIONS

Rock Mechanics Cert. Nov 2021



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[OFFICIAL]



Fikile Mokgethoa



Nico van Wyk



Amos Mapuranga

Rock Mechanics Cert. Nov 2021



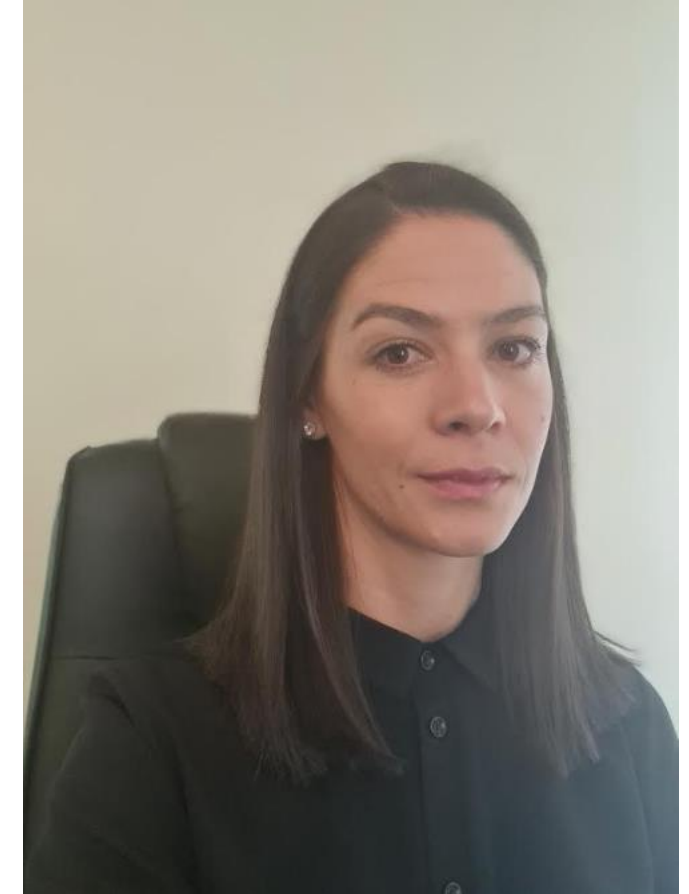
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Pelonomi Gae



Nyeleti Masole



Jo-Andri Koch

Rock Mechanics Cert. Nov 2021



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Robert Tumi Moyake



Thelma Ditebogo Boke



Webster Chinogureyi

Rock Mechanics Cert. May 2022



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Khulani Makhubele



Azwindini Makhungo



Tshepiso Ntoanyane



Isaac Ndaga Mbambo



Organisational Liaison



Organisational Liaison



Extract from the Constitution:

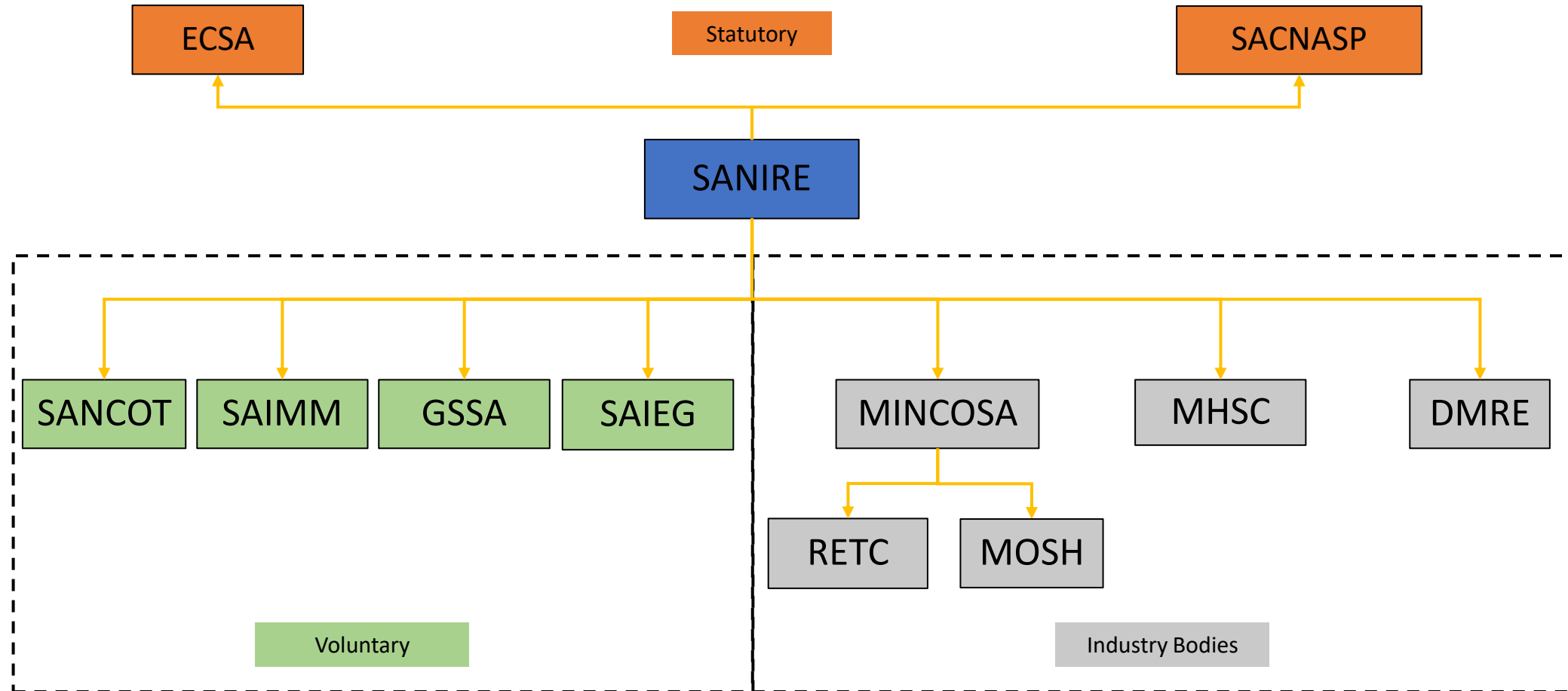
- 1.4 The key objectives of the Institute are:
 - 1.4.1 to identify the needs of its members;
 - 1.4.2 to represent and promote the interests of its members;
 - 1.4.3 to maintain the affiliation of SANIRE with the International Society for Rock Mechanics (ISRM);
 - 1.4.4 to encourage, initiate and give effect to the means whereby the requirements for technology and scientific knowledge of the rock engineering sector of the South African mining, petroleum and civil engineering industries are satisfied;
 - 1.4.5 to promote high standards of professional practice.

Organisational Liaison: SANIRE Network



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Organisational Liaison: ECSA



- ECSA: No New Developments on ECSA:
 - Identification of Engineering Work (IDoEW) – Gazetted 26 March 2021
 - Aim:
 - To differentiate between one registered category from the other
 - And competency to perform work within the specific category.
 - Impact on Rock Engineering Work and profession
 - Minerals Council Certificates (RMC) not issued by a statutory body “e.g. DMRE under MHSA”
 - The RMC does will not allow one to practice engineering work unless appointed under the MHSA (7.2)
- Proposal from ECSA
 - RMC to be made a statutory certificate of competency issued in terms of the Mines Health and Safety Act 1996 or the Occupational Health and Safety Act 1993. (e.g. MMC, GCC)

Organisational Liaison: DMRE Mine Health and Safety Council (MHSC)



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- Under review following comments from stakeholders:

Chapter 2 Regs of MHSA – Appointments Duties and Responsibilities

Proposed Regulations (Mine Health and Safety Act)	Current Legislation (MHSA, Minerals Act Regulations)
2.10 Health and Safety Representative	Chapter 3 of the MHSA (H&S Reps and Committees); 2.18 of the Minerals Act (Safety Reps)
2.11 Rock Engineer	Chapter 14 Regs of MHSA; Chapters 5, 7 and 8 of the Minerals Act (Protection of the Surface and the Workings)
2.12 Strata Control Officer	Chapter 14 Regs of MHSA; Chapters 5, 7 and 8 of the Minerals Act

Organisational Liaison: Minerals Council FOGAP



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1

ADOPT LEADING PRACTICES

Minimise rockmass damage:

Monitoring drilling quality with technology **S-M**

Use appropriate blast round designs and explosives e.g. emulsion-type **S**

Eliminate risk of working under unsupported rock:

Review and revise netting with bolting using MHSC audit tool **S**

Permanent area coverage in stoping widths < 1.2m **S-M**

Improve underground visibility to an appropriate standard **S**

2

R&D

Invest R40m in 5 years on eg.:

Barring technology **S-M**

Seismic hazard rating **M**

Real-time monitoring of instability **S-M**

Support designs **M**

Use jigs/rigs for drilling accuracy **M**

Challenges with implementation of this plan **S-M**

3

SKILLS DEVELOPMENT

Invest R6m in 3 years on:

Updating rock engineering learning material **S-M**

Short courses **S-M**

Support by mentors, etc. **S**

Learning programmes for mining production leadership (e.g. front-line supervisors) on FoG **S-M**

4

POLICY

Engage Department of Mineral Resources and Energy to:

Fast-track guide for code of practice on geotechnical risk **S**

Finalise regulations on responsibilities, etc **S**

Adopt revised South African Mines Reportable Accidents Statistics System forms on FoG incidents **S**

5

BEHAVIOUR, CULTURE, OPERATIONAL DISCIPLINE

Implement measures to reduce mining cycle time and enable zero harm production behaviours (from Mandela Mining Precinct and others) e.g.:

Faster rock-drills **M**

6

IMPLEMENTATION AND MONITORING

Measures of progress:

Consecutive FoG fatal-free hours worked, and FoG leading indicators need to be developed **S-M**

Leading implementation:

Annual AMMSA-SACMA led Days of Learning with RETC/SANIRE and others, supplemented with regular sharing of leading practices in all meetings **S**

Reporting:

Quarterly reporting on implementation by members and Minerals Council **S**

Key

S Short = 0-2 years

M Medium = 2-5 years

S-M Short to Medium = 0-5 years



- MOSH – FOG Leading practices in FOG prevention

OFFICIAL LAUNCH

of Community of
Practice for Adoption
(COPA) for the Improved
Underground Workface
Visibility Leading Practice



Date:
16 September
2022



Time:
9h00 – 13h00



Venue:
Avianto,
Muldersdrift

Organisational Liaison: SANCOT



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Dates for the symposium confirmed as 8-9 November 2022 at the Cape Winelands



South African National
Committee on Tunnelling

**SANCOT
SYMPOSIUM 2022**

7-8 NOVEMBER 2022
WALLENBERG CONFERENCE CENTRE
@ STIAS, STELLENBOSCH,
WESTERN CAPE, SOUTH AFRICA

Tunnel boring
in civil engineering
and mining



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY



Organisational Liaison: SAICE Geo Division



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- Online lectures / Seminars

SAIMM ONLINE
CONFERENCE

**GLOBAL TAILINGS STANDARDS
AND OPPORTUNITIES**
FOR THE MINE OF THE FUTURE

15, 17, 19, 22, 24, 26 NOVEMBER 2021

IN PARTNERSHIP WITH

GLOBAL TAILINGS STANDARD BY

ICMM International Council on Mining & Metals

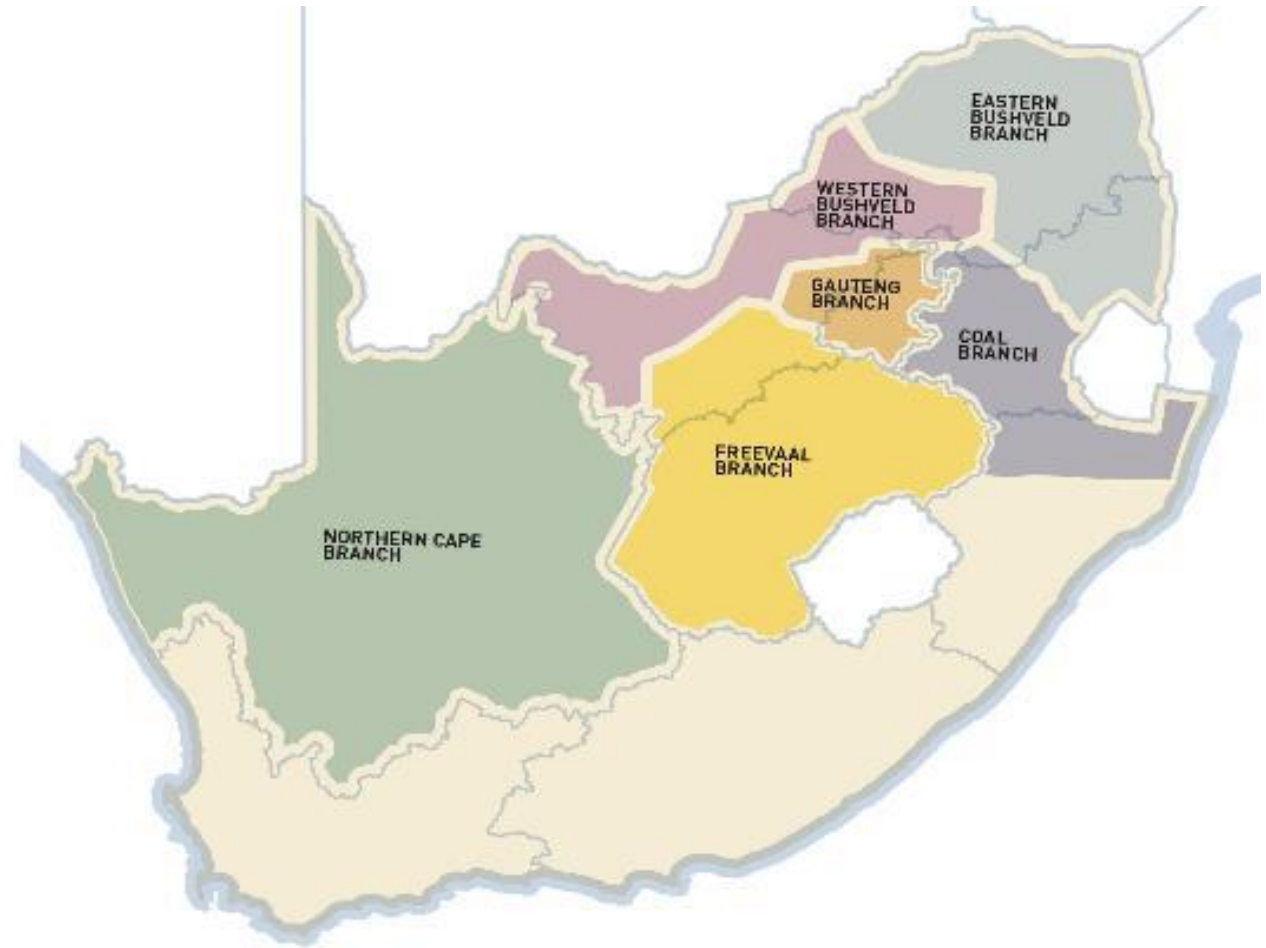
UN environment programme

PRI Principles for Responsible Investment

SUPPORTED BY

INTERNATIONAL MINE WATER ASSOCIATION

Branches





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Western Bushveld Branch

Western Bushveld Branch



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From Front Left:

Edeshni Munsamy (Chairperson),
Hlomani Mthombeni (Vice-Chairperson),
Renard Pretorius (Young member/Technical visits Rep)

From back left:

Neil Kruger (Secretary) ,
Peet Swart (Supplier representative), Stephan Nel
(Supplier representative)

Technical Event: 28 October 2021



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[OFFICIAL]



The Winning Team



The Runners-Up

Venue: Stook in Rustenburg

- Supplier presentations
- SANIRE News: Lizelle Prinsloo
- Re-election of the WBB committee
- A mini-Rock Bowl which saw all attendees participating, with prizes awarded to the first and second teams

Technical Event: QM 28 October 2021



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Technical Event: QM 25 March 2022



Speakers:

Les Gardner:
Unpacking the MCSA Elimination
of FOG fatalities action plan

Noel Fernandes:
Bolting Covers the Risk of
Changing Bolting Machines

Jannie Maritz:
Using Disruptive Technology to
teach Rock Engineering

Technical Event: QM 1 July 2022



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Presentations:

JJ Joubert – African Rainbow Minerals (ARM):

The Future of Platinum.

Duncan Adams and Lerato Tsele – Minerals Council:

Commitments, Initiatives, Developments and Leading Practices driven by CEOs.



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Northern Cape Branch

Northern Cape Branch



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-
- An aerial photograph of a large industrial facility, possibly a power plant or refinery. In the foreground, there is a large circular structure, likely a cooling pond or a large storage tank, with a dark, reflective surface. The facility itself is composed of numerous buildings, pipes, and structural elements, with a prominent yellow crane visible on the right side. The overall scene is industrial and complex.
1. Anton Gregory – Chairperson
 2. Kenneth Mathibela – Vice-Chair
 3. Pelonomi Gae – Secretary
 4. Additional Member – Richard Carey

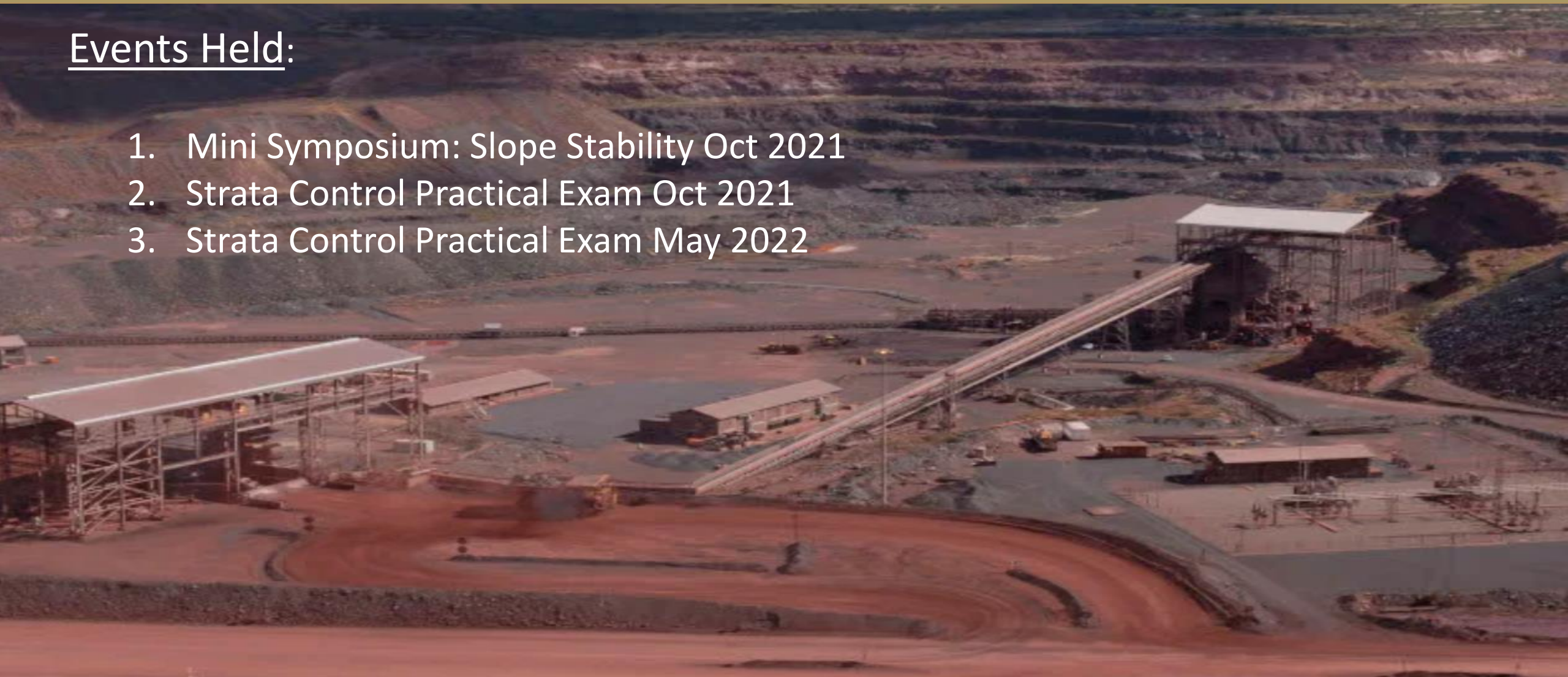
Northern Cape Branch



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Events Held:

1. Mini Symposium: Slope Stability Oct 2021
2. Strata Control Practical Exam Oct 2021
3. Strata Control Practical Exam May 2022



Northern Cape Branch



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Events Planned:

1. Northern Cape AGM – date and venue to be confirmed (planned for August / September 2022)
2. New committee to be elected at the planned AGM
3. Strata Control Practical - Massive Mining and Surface Mining (Venues to be confirmed at AGM)





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FreeVaal Branch

19 November 2021 -Year End Function at Sandriver Golf Club, Virginia



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[OFFICIAL]

New committee was elected



Chairperson

Vice-Chairperson

Secretary

Company Representative FS

Young Member Representative

Company Representative NW

Additional Member

Louis Lochner

Jerry Wienand

Blackie Swart

Theo Ferreira

Chris Jooste

Abner Mashabela

Thapelo Mangali

10 March 2022 – Branch Meeting at Orkney Golf Club

Recognition Awards presented to previous committee members



Chairman	Jaco Le Roux
Vice Chairman	Jerry Wienand
Treasurer	Russell Page
Young Member	Tumi Moyake
Secretary	Enos Makhubu
Company Representative Free State Orkney	Paul van der Berg
Company Representative Wes Wits	Abner Mashabela

10 March 2022 – Branch Meeting at Orkney Golf Club



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Recognition Awards presented to previous committee members



Chairman	Jaco Le Roux
Vice Chairman	Jerry Wienand
Treasurer	Russell Page
Young Member	Tumi Moyake
Secretary	Enos Makhubu
Company Representative Free State Orkney	Paul van der Berg
Company Representative Wes Wits	Abner Mashabela

7 July 2022 – Branch Meeting at Unicorn Bowling Club, Welkom



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Upcoming FreeVaal Events



1. SCO practical exam training - 19th August 2022 at Tshepong South, Welkom
2. SANIRE FreeVaal SCO Practical Exams – 22nd September 2022 at Hlanganani Shaft, Sibanye-Stillwater
3. Year End Function – 10 November 2022 & Venue TBC



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Eastern Bushveld Branch

Eastern Bushveld Branch



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Gunther Betz
Chairperson



Easvani
Wessels –
Vice-
Chairperson



Sampie v Buuren – Treasurer



Azwindini Makungo – Youth Development



Ben Smit – Administrator

Eastern Bushveld Branch



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Gunther Betz
Chairperson



Easvani
Wessels –
Vice-
Chairperson



Chris Brink – Supplier's Rep

Eastern Bushveld Branch



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Eastern Bushveld

FY - 2022

- Strata control practical exams hosted:
- Booyssendal platinum mine: (bord and pillar) October 2021
- Two Rivers platinum mine: (bord and pillar) April 2022
- Palabora Copper Mine - PMC (Massive) April 2022

Eastern Bushveld Branch



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OF

FY2022

Eastern Bushveld branch hosted the SCO practical training event in March 2022 at Booysendal Mine. Content covered:

- General rules of examination
- Report writing skills
- Drawing of sections



Eastern Bushveld Branch

FY 2022 Branch meetings:

- 3rd Quarter meeting 2021: Samancor Winterveld
- Year end Function 2021: Akabeko golf club
- 1st Quarter meeting: Lydenburg Golf club
- 2nd Quarter meeting: Lydenburg Golf club





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Gauteng Branch

Gauteng Branch Committee



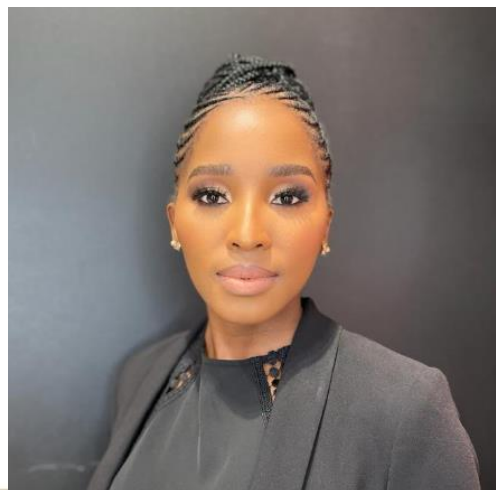
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Ross van Heerden – Chairperson



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

Technical Event 24 November 2021



New Committee elected

Outgoing Chairperson
Craig Smith



Venue: Wits University

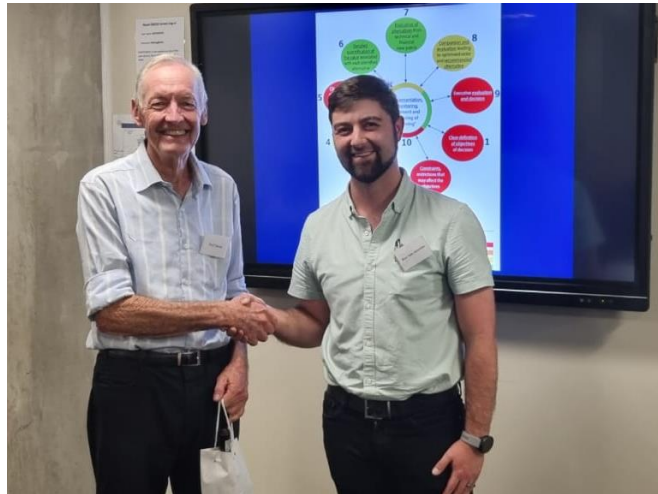
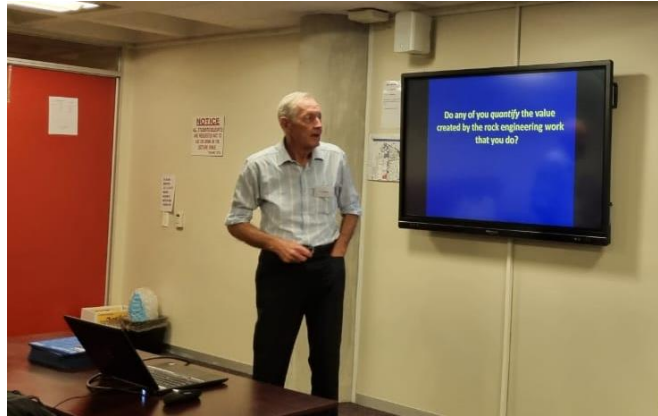
Technical Event 10 March 2022



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[OFFICIAL]

Guest Speaker
Prof. TR Stacey



Venue:
Wits University



Technical Event 4 April 2022



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Technical Underground Visit Hosted By Goldfields' South Deep Mine



Symposium: A Modern approach of de stress strategies in deep (mass) mining



Rock testing demonstration and technical presentations



Rock testing demonstration and technical presentations



Guest Speakers – Dr. H Yilmaz and Dr. S Spottiswoode

Upcoming Events



1. SANIRE Gauteng to host SCO practical exams on the 22nd of September 2022 together with the Free Vaal Branch – Venue TBC
2. Year End Function – Date & Venue TBC
3. Underground technical visits aimed at up and coming strata control officers and rock engineers who don't necessarily have exposure to underground conventional mining methods.
4. Visit to UP's virtual reality centre – Date TBC



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Coalfields Branch

Coalfields Branch



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Name	Position
Nyandano Netshivhazwaulu	Chairperson
Olwethu Swakamisa	Vice-Chairperson
Melusi Shongwe	Secretary
Alex Mkhwanazi	Suppliers Rep
Basimane Motlhabane	Young Members

Quarter Two: Activities



RMC Paper 3.2 Exam Prep Workshop:

- Exam preparation workshop was a success:
 - A great attendance by P3.2 Candidate
 - Senior Branch Rockies were attended to facilitate the workshop
 - Feedback from candidates was that the workshop was useful and would like a similar on other papers

SCO Practical Examination

- SCO Practical held at Matla Colliery
- Five Candidate attended
- Two out of Five Passed
- One asked for re-marking
 - Two SCO tickets were issued.

Coal Branch Meeting:

- Relatively better-attended meeting, just over 22 people and the majority were members of the branch
- Three technical presentations were given by branch members and one by supplier

Exam Preparation Workshop- April



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RMC Paper 3.2 Exam Prep Workshop:

- Exam preparation workshop was a success:
 - Good attendance by P3.2 Candidates
 - Senior Branch Rockies were attended to facilitate the workshop
 - Feedback from candidates was that the workshop was useful and would like a similar on other papers

Coal Branch Meeting-03 June



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Coal Branch Meeting:

- Attended by more than 22 people and the majority were members of the branch
- Three technical presentations were given by branch members and one by supplier





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UPCOMING EVENTS



EVENTS 2022 / 2023: Diaries



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SANIRE 2023 Diary

SANIRE invites all companies / suppliers to participate in the SANIRE Diary 2023 Project

What is the SANIRE Diary?

It is a great opportunity to partner with SANIRE to provide each SANIRE member with a free **guaranteed quality** diary in the last quarter of 2022.

Knowing each member will receive a diary, speaks for itself – you can market and brand your company / products to all members.

Inexpensive compared to issuing your own diary

COST?

R10 000 for a FULL A4 colour page

R5 000 for a HALF A4 colour page

CLOSING DATE?

17 JUNE 2022

HOW TO REGISTER?

Mbalenhle Buthelezi

t: (+27) 11 568 20529

e: mbalenhleb@mpas.org.za

W: www.sanire.co.za

f: @SANIREofficial



Example of Diary (above)



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EVENTS 2022 / 2023: Banquet



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I N V I T A T I O N

2022 BANQUET

29 October 2022

18:00 for 18:30

Venue
Misty Hills Country Hotel

69 Drift Boulevard (R114)
Muldersdrift, Gauteng

DRESS BLACK TIE



**FOR MORE
INFORMATION**

Mbalenhle Buthelezi:
mbalenhleb@mpas.org.za

info@sanire.co.za

SANIRE WEBINAR: EXAM PREPARATION COURSE

Are you writing the Rock Engineering exams?
This webinar is aimed to provide candidates with general exam writing tips

WHEN:

Thursday 15 September 2022

TIME:

14h00 – 15h00

RSVP:

9 September 2022

For further queries or registration:

MBALENHLE BUTHELEZI

Tel: (+27) 11 568 2054

email: mbalenhle@mpas.org.za

www.sanire.co.za



Gerrit Kotze

**Senior Consulting Geotechnical Engineer
Director: OHMS Botswana**



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SANIRE COUNCIL ELECTION

2023 - 2025

CALL FOR NOMINATIONS: MARCH 2023



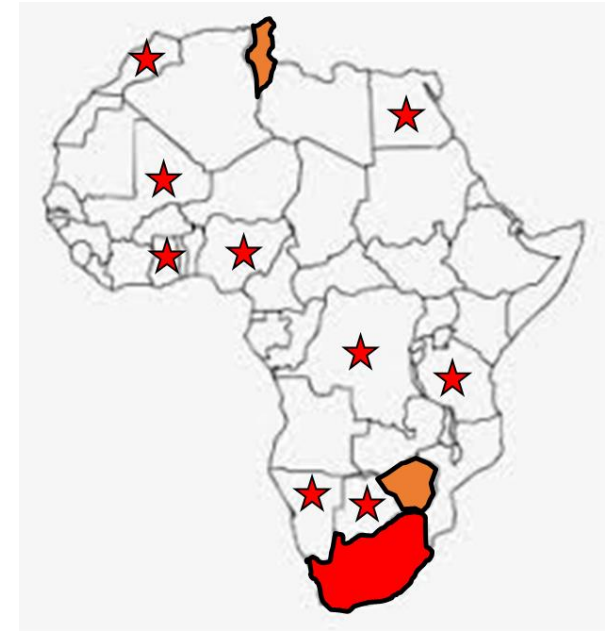
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ISRM

Michael du Plessis
Term 2019 – 2023



ISRM president election for 2023-2027 conducted in Nov 2021

Seokwon Jeon (Korea) will start term in Oct 2023

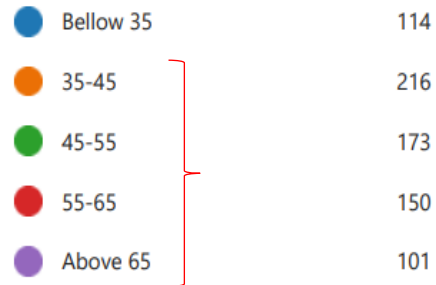
Next VP Africa to be nominated by April 2023



ISRM QUESTIONNAIRE

- 737 responses

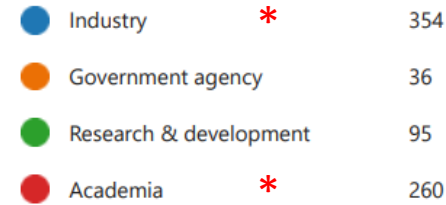
2. Which age group are you in?



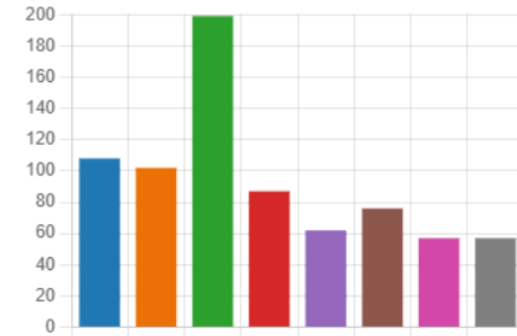
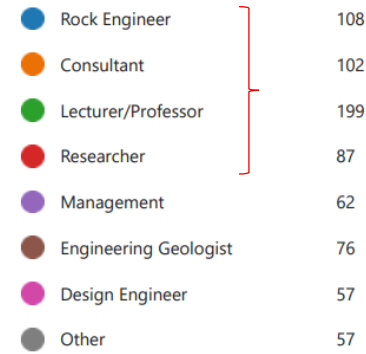
4. What is your highest level of education in general?



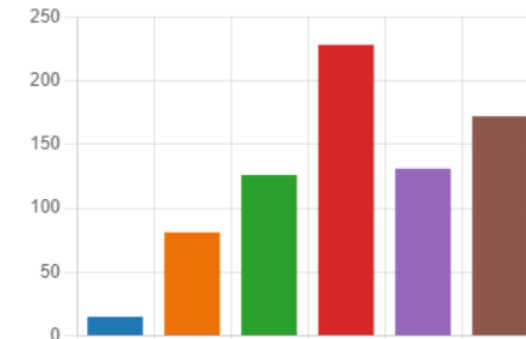
7. In which sector do you work?



9. What is your role in the organization?



11. How long have you been working in Rock Mechanics and Rock Engineering?

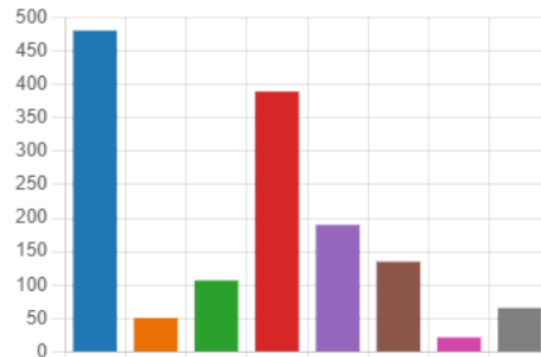
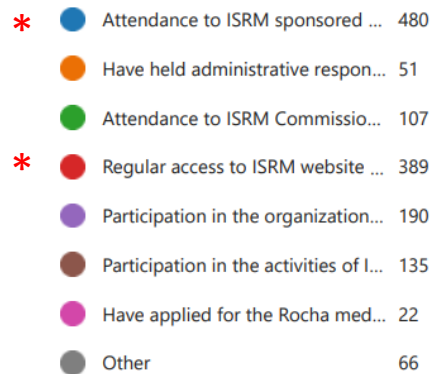


ISRM

ISRM QUESTIONNAIRE

- 737 responses

20. What has been the nature of your engagements with ISRM? (select top 3)



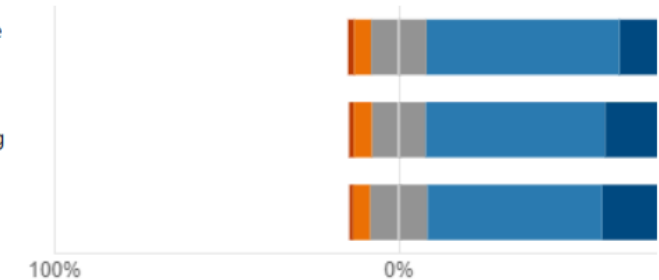
21. Please rate how successful you feel ISRM has been in achieving its goals::

Very poor Poor Neither good nor bad **Good** Very good

Encourage international collaboration and exchange of ideas and information between practitioners of...

Encourage teaching, research, and advancement of knowledge in Rock Mechanics and Rock Engineering

Promote high standards of professional practice among rock engineers so that civil, mining and...



22. What other objectives should the society focus on?

Similar objectives as SANIRE

Yes No

Branding and recognition of the profession amongst young generations (teens and undergraduate...

Promoting our profession to the general public and informing the general public about the relevance of...

Engaging with general public to address sensitive environmental topics, which are relevant to...

Promoting practical Rock Mechanics applications for practicing Rock Engineering practitioners

Branding and recognition of the profession and the society across all engineering disciplines

Branding and recognition of the ISRM to the Rock Engineering discipline across all continents



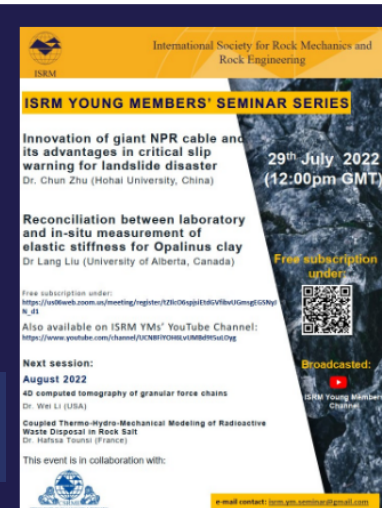
SANIRE FOCUS AREAS

- Nomination for **Best Performing National Group** Award. Awarded every 2 years (SANIRE meets all the criteria) → *Target 2023*
- Participate in **young members committee (< 40 years old)** to assist in developing social networking platform (ISRM Youtube channel) *New*

7th ISRM Young Member's Seminar

The next ISRM Young Members' Seminar (YMS) will be held on 29 July, with presentations by Dr. Chun Zhu from Hohai University (China) and Dr Lang Liu from Alberta University (Canada)

Virtual events, with the goal of providing a global platform for ISRM young members to share knowledge, experiences, and ideas



SANIRE nominates potential candidates to present exceptional work:

- ☐ Typical Masters degree outputs
 - Support Dick Stacey award
- ☐ Best technical contribution
 - Supports Salamon / Ortlepp awards

- Participate in active research commissions (<https://isrm.net>)
- Active areas (Deep mining, Design methodology, Rock burst, Rock dynamics, Rock grouting, Testing methods, Education)

SANIRE FOCUS AREAS

- Synergies and overlap of awards



AWARDS

- **Muller award:** Distinguished contributions to the profession (Prof. vd Merwe nominated): **2023**
- **Rocha:** Best international PhD submission before 31 December for 2024 award consideration
- **Young Rock Engineer:** *New (yearly)*; achievements in Rock Engineering practice (*Inspired by SANIRE Rockstar and Practitioner awards*)
 - *SANIRE to support nominations*
- **John Hudson award:** *New (every 2nd year)*; achievements in engineering practice (developing / designing an outstanding rock engineering project; solving important practical rock engineering problems; introducing to current rock engineering practice new and important technologies; promoting good practices with innovative technologies and management to reduce time and cost of a rock engineering project; promoting good practices with innovative technologies and management to enhance health)
 - *Supports Lelanie Prinsloo award*
 - *SANIRE to support nominations*
- **Science and Technology award:** *New (every 2nd year)*; development and application of a new equipment or testing system / method / application of a new technology / development and application of a new material.

CONTINUOUS ENGAGEMENT (<https://isrm.net>)

- ISRM Website, Lecture tours, On-line lectures, Video courses, Book series

As SANIRE member you can download 100 papers / year from ISRM (OnePetro). Mail ISRM secretariat for log in detail (secretariat@isrm.net)

39th ISRM Online Lecture by Prof. Bruce Hebblewhite on 22 September 2022, 10 A.M. GMT

The title of the lecture is "Non-conventional surface subsidence – a challenge for an improved fundamental understanding"



Quick Links

News Journal

Annual yearbook and award lectures

Courses

Watch the available rock engineering courses

Book Series

Consult list of specialized books

Suggested Methods

Rock Characterization, testing and monitoring

Online lectures

Watch lectures by renowned scientists and practitioners

Glossary

Find rock engineering terms in 18 languages

Digital Library

Papers of ISRM sponsored conferences

Videos

Watch the available technical videos

Links of interest

Find a collection of links of interest

12 – 15 September

Eurock 2022 Helsinki

September 12-15, 2022 eurock2022.com



ISRM International Symposium LARMS 2022

16 – 19 October



15th ISRM International Congress 2023,
Salzburg - Abstract submission deadline is
now 31 October 2022

The 15th International ISRM Congress will take place in Salzburg, Austria in October 2023. Due to several reasons, the organizing team has decided to extend the submission deadline for abstracts to 31 October 22! In particular, we encourage young engineers and scientists to actively participate and submit papers.

[READ MORE](#)



EVENTS

Eurock 2022 - Rock and Fracture Mechanics in Rock Engineering and Mining - an ISRM Regional Symposium	12 - 15 Sep, 2022	Finland
LARMS 2022 - Challenges in rock mechanics: towards a sustainable development of infrastructure - the 2022 ISRM International Symposium	16 - 19 Oct, 2022	Paraguay
CouFrac 2022 - International Conference on Coupled Processes in Fractured Geological Media: Observation, Modeling and Application	14 - 16 Nov, 2022	USA
ARMS12 - 12th Asian Rock Mechanics Symposium - an ISRM Regional Symposium	22 - 26 Nov, 2022	Vietnam
6th Australasian Ground Control in Mining Conference – AusRock 2022 - an ISRM Regional Symposium	29 Nov - 1 Dec, 2022	Australia
10th Nordic Grouting Symposium - an ISRM Specialized Conference	11 - 13 Sep, 2023	Sweden
15th ISRM International Congress on Rock Mechanics	9 - 14 Oct, 2023	Austria
Eurock 2024 - New Challenges in Rock Mechanics and Rock Engineering - an ISRM Regional Symposium	15 - 19 Jul, 2024	Spain
ARMS13 - 13th Asian Rock Mechanics Symposium "Advances in Rock Mechanics - Infrastructure Development" - an ISRM Regional Symposium	24 - 28 Sep, 2024	India



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SANIRE AWARDS





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CALL FOR NOMINATIONS

NOMINATION CATEGORIES

1. HONORARY FELLOWSHIP
2. HONORARY MEMBERSHIP
3. ORTLEPP AWARD
4. SALOMON AWARD
5. PRACTITIONER OF THE YEAR
6. ROCKSTAR OF THE YEAR
7. TECHNOLOGY AWARD
8. DICK STACEY AWARD

Nominations deadline:

30 September 2022



SANIRE AWARDS



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Honorary Fellowship Lifetime Achievement Award

To those individuals who made a lasting technical contribution to the field of Rock Mechanics. It may include individuals from academic environments, the practical side of Rock Mechanics or those who were instrumental in implementing new Rock Mechanics knowledge or techniques in the workplace. Typically mature or retired individuals.

Honorary Membership (Lifetime Achievement Award)

The long-term dedication of individuals who typically functioned behind the scenes, but were instrumental in delivering a significant service to the Rock Engineering industry.



SANIRE AWARDS (cont)



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Award	Description	SANIRE Prize
Practitioners Award	To practising Rock Engineers who made a sustained practical contribution in the workplace, but is not necessarily inclined to publication and presentation at conferences or meetings.	Certificate, trophy and a 1 oz Silver Kruger Rand,
RockStar Award	The award is given to up and coming “younger generation” Strata Control Officers or Rock Engineers. The intent is to acknowledge the valuable work individuals are doing on their operations to improve systems, technologies, mining practices and applications.	Certificate, trophy and a 1 oz Silver Kruger Rand,
Salamon Award	The Salamon prize is awarded to a South African author(s) of the best technical paper published during the preceding year. Although preference will be given to papers published in accredited refereed journals, outstanding papers in conference proceedings will also be considered. Typically one award a year will be given to a deserving individual, although at the discretion of the SANIRE Council.	Certificate, trophy and a 1 oz Silver Kruger Rand,
Ortlepp Award	The Ortlepp prize is awarded for the best “young” South African technical publication during the preceding year. Although preference will be given to papers published in accredited refereed journals, outstanding papers in conference proceedings will also be considered. Typically one award will be given a year to a deserving individual, although at the discretion of the SANIRE Council.	Certificate, trophy and a 1 oz Silver Kruger Rand,
Dick Stacey Award *NEW	The “Dick Stacey Award” will be awarded annually for an outstanding Masters thesis or dissertation in the field of Rock Mechanics or Rock Engineering. Typically one award will be given every year to a deserving individual, although at the discretion of the SANIRE Council. Nominations for each successive year’s award should be received before 31 December of each year.	Certificate, trophy and a 1 oz Silver Kruger Rand,
Lelanie Prinsloo Technological Innovation Award *NEW	The “Lelanie Prinsloo Technological Innovation Award” will be awarded to a SANIRE affiliated South African manufacturing company or member who has made a significant contribution towards innovation or new research or development in Rock Engineering practice. Typically one award will be given every year to a deserving individual, although at the discretion of the SANIRE Council.	Certificate, trophy, one-year free SANIRE RockTalk newsletter advertising (companies)



SANIRE AWARDS



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NOMINATIONS

- SANIRE is seeking nominations for the 2022 awards. Award recipients will be honored at the SANIRE Banquet.
- Nominations typically require a candidate's name, full contact information, biographical information, and/or history of service to the Association.
- Some awards require additional nomination materials.
- For more information on how to nominate an individual, see each award page on the SANIRE Website: <https://www.sanire.co.za/sanire-awards>

Please submit your nominations and motivations

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www.sanire.co.za





SANIRE AWARDS



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Top Candidate Award

Award	Award Winner	
SCO Met May2022	Machoene Tomacia Mokgohlwa	88%
RE Paper 1 May 2022	Akshay Sewcharan	88%
RE Paper 2 May 2022	Thabiso Mochwari	79%
RE Paper 3.1 May 2022	Ntuthuko Ndlela	79%
RE Paper 3.4 May2022	Lukona Melento	81%
RE Paper 2 Oct 2021	Fhulufhelo Mandy Mavhungu	84%
SCO Met Oct2022	Lebogang Phalane	91%

Trophy and Certificate

Top Students Award

Award	Award Winner
University of Pretoria	Jean-Pierre Strydom
University of Witswatersrand	Sibusiso Loyiso Mthethwa

R1500 cash Price and Certificate



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GENERAL



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Thank you