

# #MakingMiningMatter

A PUBLICATION PRODUCED BY THE MINERALS COUNCIL SOUTH AFRICA FOR MEMBERS



**MINERALS COUNCIL**  
SOUTH AFRICA

## CONTENTS

- 2** From the CEO
- 5** Women in Mining
- 8** Minerals Council publishes Facts and Figures 2019
- 10** Marking 16 Days of Activism
- 11** Masoyise - beyond COVID-19
- 13** Advancing the just transition in coal
- 15** Media releases



# FROM THE CEO



Anglo American Platinum – Mogalakwena

**We are approaching the end of a year that has been nothing like anyone could have predicted. Characterised by a major black swan event in the form of the COVID-19 pandemic, it has been the most life-changing year that our industry, our country and the world has seen in a very long time. Happily, we have begun to hear positive news about the successful development of three different vaccines that should, in time, succeed in changing the way the world is able to look at COVID-19. But we need to appreciate that the world will be different post-COVID-19, and that we will be operating in a new normal. We need to embed the learnings of the pandemic into new ways of working and in terms of taking the industry and country forward. Resilience, learning, agility and adaptability will be key trademarks of success in the new normal.**

However, we remain conscious that we cannot begin celebrating the emergence of the different vaccines too soon. The mining industry will naturally do its utmost to get vaccines to our employees. And we will work wherever necessary and possible with government to get the vaccines to mining communities too. But in the period ahead we need to remain as alert as we have been over the past 9 or 10 months in maintaining vigilance about preventative measures, most

importantly maintaining hygiene standards like handwashing or sanitising, social distancing, proper use of personal protective equipment and monitoring and, where indicated, testing.

Since my last quarterly newsletter message our industry has lost a further 20 colleagues to COVID-19, taking the total number of deaths to 198. We mourn them with their families, friends and colleagues. While the death rate in our industry, as in our country, has fallen significantly since August/September, their deaths should serve as a warning to us all that we cannot become complacent. In their memory we must remain vigilant with all the preventative controls in place.

I do think that the mining industry and the Minerals Council team can be proud of the way in which we have handled the pandemic, and for demonstrating leadership to other industries that the implementation of a risk-based strategy with preventative and mitigating controls can save lives and livelihoods.

In the same period, more than 25,000 additional employees of Minerals Council members have returned to work, taking the total proportion back at work from 77% to 82%. These include the employees who



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# FROM THE CEO

continued

returned home to neighbouring countries and whose safe return to work we have diligently been managing together with the Department of Home Affairs, the Department of Mineral Resources and Energy, the Department of Health, the SAPS and other government departments. Our members are still exercising caution about the return to work of employees with comorbidities and other vulnerable employees.

In the circumstances of 2020, the industry's operational and financial performance has been a mixed bag. Mining production in the 12 months to September was down about 10% on the same period the previous year. Thanks to the better price performance of most commodities and the weaker rand-dollar exchange rate, the revenues the industry has earned are higher than last year. For example, based on export data from SARS mineral exports in the 12 months to the end of October 2020, export sales stood at R551 billion, up 21% on a year-on-year basis. In the circumstances, the industry is proving to be resilient and is playing an important role in the economic recovery of the country. By the end of September, mining production was 2.5% lower than pre-crisis levels, showing a material recovery after the disastrous April and May months.

Regrettably, while our industry can be satisfied with its handling over the COVID-19 pandemic from a health and safety and



operational and financial performance perspectives, we have not seen a continuing improvement in our industry's safety performance. By 30 November we had experienced 54 fatalities in mining, three more than last year's improved performance (44 at the same time last year).

When we consider the fewer hours worked by the industry due to the lockdown and other COVID-19 precautions, meaning a higher fatality rate taking into account time worked, we can see that it is an area in which we need to renew our focus in the year ahead. The National Day of Health and Safety in Mining 2020 and a recommitment to the Khumbul'ekhaya strategy in October as well as the Mine Health and Safety Council (MHSC) virtual summit in November, resulted in a recommitment of the stakeholder leadership to achieving the goal of zero harm.

Another area of disappointment in the past quarter, as well as the rest of 2020, has been the absence of decisive government

leadership on salvaging the economy. The economy was in deep trouble before COVID-19, with more than a decade of significant underperformance. COVID-19 has battered the country's economy even further and exposed the country's significant economic fault lines. With the economy likely to shrink by 9% in 2020, the fiscal deficit to hit 15% of GDP and government debt rising to 81% of GDP, the country is now staring down the barrel of a full blown sovereign debt crisis.

Engagement by organised business, including the Minerals Council, through Business for South Africa and Business Unity South Africa have not led to the desired outcomes.

Critical and urgent structural and institutional reforms to improve the country's competitiveness and investment attractiveness have not emerged in the government's Economic Reconstruction and Recovery Plan, with government instead



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# FROM THE CEO

continued

focusing on a large infrastructure investment plan and localisation, both of which do not have the funding or critical mass to have a real short-term impact. The reforms needed include the accelerated fiscal consolidation plan as originally proposed by Treasury in the 24 June 2020 Supplementary Budget; a significant focus on policy and regulatory reforms that improve policy certainty and the ease of doing business in the country; the urgent opening up of key government controlled markets to private sector investment and competition (rail, electricity, ports); and the review and restructuring of state-owned enterprises (SOEs) to ensure that these place no further burden on the fiscus and are restructured, sold or closed.

The continued wastage of significant amounts of taxpayer funds in bailing out inefficient SOEs that do not have sustainable business models has been a major contributor to South Africa's burgeoning public sector debt. Imagine how much faster the economy would have grown if the private sector had been able to invest in electricity, rail and port services over the past decade!

Institutional reforms must include a significant improvement in the delivery of services by government, re-organising departments and better use of digital platforms and private sector capability within government.

The failure to address all these things will mean a descent into a sovereign debt crisis and the need for even more drastic measures than outlined here to dig ourselves out of it. The experiences of countries that have had these sovereign debt crises is not an easy one, with most taking a decade or more to recover. As business, we urge government to take these tough decisions on structural and institutional reforms, as maintenance of the status quo is a vote for the low road and a debt crisis.

We can only hope for a better, healthier, safer and more economically sustainable 2021. There are many lessons that we have learnt in the past year and one thing is for certain, it has positioned the Minerals Council to continue playing a leadership role in driving a pro-growth reform agenda in 2021. I wish to reiterate that we all must not let our guard down in the fight against the pandemic by continuing to implement the right preventative controls. I wish you all a peaceful, safe and healthy festive season.



**Roger Baxter**  
Chief Executive Officer



MINERALS COUNCIL  
SOUTH AFRICA

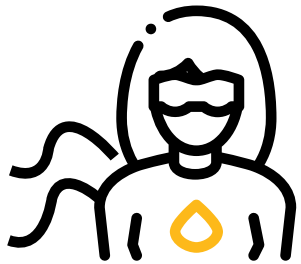
DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# WOMEN IN MINING



## COVID-19 HEROES

In light of the critical frontline role played by women employees across Minerals Council member companies in the ongoing fight against COVID-19, the Women in Mining (WiM) Task Team agreed that, as an industry, we should ensure that we acknowledge the incredible work being done by our colleagues.

The Women in Mining COVID-19 Heroes initiative called on all Minerals Council member companies to nominate employees who had gone above and beyond the call of duty in responding to the wide range of challenges that the pandemic has posed for companies, employees, communities, families and individuals.

Responding to the call for nominations, 77 individuals, working across disciplines from health and safety to communications, logistics and support services, were nominated by 24 member companies. Every nomination had to explain why the nominated individual was considered a COVID-19 Hero – and these forms were then submitted to the selection team identified by the WiM Task Team.

We want to emphasise that every single one of the 77 nominees is a COVID-19 Hero in her own right, having stood up in response to an unprecedented global pandemic and made a real difference in the lives of those around her. Ultimately, the selection team identified ten women who are our Women in Mining COVID-19 Heroes as follows:



**Dr Bafedile Chauke-Moagi,**  
**AngloGold Ashanti**

As AngloGold Ashanti's Vice President: Health Group Sustainability, Dr Chauke-Moagi had been tracking the spread of COVID-19 since it first emerged late last year, and by January had already circulated guidelines to assist in minimising the risk of the spread of the virus and, at a group level, led the drafting of an action plan based on five potential crisis phases, all attached to activation triggers. Her professional experience played a critical role as she worked with colleagues, across management and with AngloGold Ashanti's executive committee and board, to prepare for, and mitigate the spread of COVID-19 around their operations and the host communities of the countries in which they operate.



### Women in Mining

We thank them,  
and we salute them.



**Dr Duduzile Sibeko,**  
**Sibanye-Stillwater**

A Unit Manager for Health and Wellness in the Gold Division, Dr Sibeko worked tirelessly from the start of the COVID-19 lockdown coordinating health and wellness activities for Sibanye-Stillwater. She and her team of health professionals managed a number of critical processes to get mining operations back to full capacity, while ensuring the health and wellbeing of all employees. She made sure that, even before South Africa's first COVID-19 case was reported, her team understood the challenges they would be facing, and were ready to deal with them – including the critical importance of protecting themselves as health workers.



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# WOMEN IN MINING COVID-19 HEROES

continued



**Gaynor Kast,**  
**South32**

A communication specialist at South32's Hillside Aluminium, Gaynor is known as the "The Fixer" by her colleagues as nothing is ever too big or small for her to tackle, and her response to COVID-19 reflects this. Gaynor worked around the clock with the corporate affairs team to support the company's efforts to ensure the safety, security and wellbeing of all employees. She also developed printed educational supplements in local newspapers to support local learners to keep up with their schoolwork during lockdown.



**Khosi Kubheka,**  
**Seriti**

An occupational health nurse at Seriti Coal's New Denmark mine, Sister Khosi looked at the bigger picture when COVID-19 began to spread within the community and among employees. She arranged for the mine to hire three 60-seater buses for two weeks to transport Department of Health employees conducting house-to-house screening and contact tracing. When she tested positive for COVID-19, Sister Khosi continued working remotely - giving direction and support to others, providing daily updates and statistics to management and relevant authorities, and continuing to contact people who had tested positive.



**Lee-Ann Samuel,**  
**Impala Platinum**

As Impala Platinum's Group Executive: People, Lee-Ann established the company's COVID-19 response crisis committee, ensuring that a response plan was in place to address the challenges that would come. She rolled-out a specialised programme to ensure that all vulnerable employees on chronic medication received their medication during the lockdown period, and also established a mechanism that allowed Implats' employees to donate a portion of their salary to relief efforts that were working to cushion the impact of the pandemic on the country's most vulnerable citizens and to provide care and support to Implats' host communities.



**Dr Mpho Moloji,**  
**Petra Diamonds**

The Occupational Medical Practitioner at Petra Diamonds' Finsch Mine, Dr Moloji was instrumental in creating a forum that included mines in the area and local community councillors, which conducted strategic planning to help local communities. She spearheaded a campaign to issue the flu vaccine to vulnerable employees and community members and visited a local school to help educators understand the necessary screening process for their pupils.



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# WOMEN IN MINING COVID-19 HEROES

continued



**Nadine Jacobs,**  
**Anglo American Coal**

Anglo American Coal Centralised Services Division's Safety and Sustainable Development Reporting Coordinator, Nadine was appointed the company's COVID-19 command centre manager. Through the command centre, she implemented processes and systems to ensure effective communication across the company and learned to adapt and modify processes as more information became available. When Nadine herself tested positive for the virus at the peak of the spread, she continued to do her job remotely knowing that her colleagues and employees needed her more than ever.



**Dr Thulisile Ngwenya,**  
**Anglo American Coal**

Dr Ngwenya is the Medical Service Manager at Anglo American Coal's Highveld Hospital. Under her supervision and oversight, in response to the rapid speed at which the pandemic was spreading, the hospital laboratory was able to use their two PCR testing units to extend testing beyond Anglo Coal employees to other mining companies in the area. She also oversaw the conversion of the Highveld Hospital into a dedicated COVID-19 facility that can support the public health sector should the need arise.



**Dr Tumi Legobye,**  
**Harmony**

As Harmony's Executive for Health, Dr Legobye's work during the pandemic has had a direct positive impact on almost 40,000 Harmony employees at the company's South African operations. As a board member of the Mine Health and Safety Council, she was at the forefront and fully participated in writing up the guidelines for COVID-19 for the mining industry, which assisted her to be better prepared for the COVID-19 pandemic within Harmony. This included assisting in equipping the health hubs for the treatment of COVID-19 patients. Dr Tumi and her team also had the opportunity to test the knowledge and programmes they had implemented at Harmony to mitigate the impact of COVID-19.



**Yogen Chetty,**  
**South32**

As South32 Africa's Health, Safety and Environment Operations Manager, Yogen's role focused on ensuring all operations were able to react swiftly to the pandemic, understanding the importance of allowing site teams to focus on maintaining control responses rather than trying to develop them, and the need to ensure that medical teams and frontline medical processes were aligned to response plans. Introducing technology to improve efficiency, Yogen implemented the use of mobile pre-screening apps to drive pre-screening and exit screening processes as well as case management.



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# MINERALS COUNCIL PUBLISHES FACTS AND FIGURES 2019



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases



“Mining plays a significant role in the economy of our nation.”

Harmony - Phakisa

The Minerals Council published the **Facts and Figures 2019** book, which provides a comprehensive fact-based reference guide to the South African mining industry in October 2020.

As mining plays a significant role in the economy of our nation, it is important for industry data to be freely available so that stakeholders can understand how the sector is performing.

Roger Baxter, Minerals Council CEO says: “The Minerals Council’s annual Facts and Figures publication has become a well-used reference work for our industry, a ready and accessible document of record on all aspects of one of the mainstays of the South African economy.”

However, he noted: “In some ways it is a little strange focusing on the events of 2019, with the benefit of the additional hindsight of what was to follow in 2020 and, in particular, the impact of the COVID-19 pandemic second quarter lockdown on our industry and on the broader economy.”

Mining’s contribution to GDP in 2019 was higher by 7.3% in nominal terms than in 2018 (in real terms mining GDP contracted 1.9%). And the industry’s contribution to GDP rose to 8.3% from 8.1%. Minerals sales, employee earnings and taxes and royalties followed similar patterns.

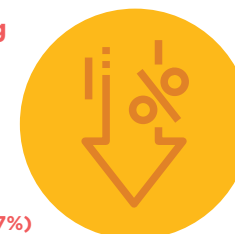
Despite mining production seeing some short-term improvement in the latter part of the year, the improvements were not strong

or sustained enough to revise this outlook, even before the advent of COVID-19.

A noteworthy feature of 2019 was the loss of approximately 26 tonnes of gold valued at approximately R1.6 billion as a direct result of the AMCU four-month strike in the gold industry, which ended in April 2019.

The 2019 mining sector GDP contracted by **1.9%**

similar to the decline recorded in 2018 (-1.7%)



# MINERALS COUNCIL PUBLISHES FACTS AND FIGURES 2019

continued



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases



#### Useful links

The document provides a wealth of information curated by the Minerals Council's economics team, and may be accessed at:  
<https://www.mineralscouncil.org.za/downloads/send/18-current/1250-facts-and-figures-2019>

## MINING CONTRIBUTION SUMMARY 2019

 <b>Direct contribution to GDP:</b> <b>R376.4 billion</b> (2018: R350.8 billion)	 <b>Mining contribution % of total GDP:</b> <b>8.3%</b> (2018: 8.1%)	 <b>Direct contribution of mining to fixed investment</b> <b>R102.9 billion</b> (2018: R91.1 billion)	 <b>Total primary mineral sales</b> <b>R552.4 billion</b> (2018: R498 billion)
 <b>Mineral export sales</b> <b>R361.7 billion</b> (2018: R335 billion)	 <b>Royalties paid</b> <b>R8.6 billion</b> (2018: 7.6 billion)	 <b>Company taxes paid</b> <b>R24.2 billion</b> (2018: R22.0 billion)	 <b>PAYE by mining personnel</b> <b>R22.7 billion</b> (2018: R21.0 billion)
 <b>Employment</b> <b>460,015</b>	 <b>Employee earnings</b> <b>R143.5 billion</b> (2018: R134.5 billion)	 <b>Transfer duties</b> <b>R16 million</b>	 <b>Value added taxes (net outflow)</b> <b>R36.9 billion</b>

Measured in South African Rands, commodity prices have been especially volatile recently. Commodity prices are driven by varying demand and supply dynamics. Moreover, given that most commodities are traded in United States Dollars (US\$), the exchange rate between the US\$ and the Rand introduces a further variable that must be taken into consideration. In certain instances, the two variables can reinforce each other while in others they can negate each other.

#### % change in commodity prices: 2019

	COAL	IRON ORE	GOLD	PLATINUM	RHODIUM	COPPER	NICKEL	ZINC
US DOLLAR	(26.3)	34.6	9.7	(1.9)	76.1	(8.0)	6.1	(12.7)
RAND	(19.6)	46.9	19.7	7.1	92.3	0.5	15.8	(4.7)

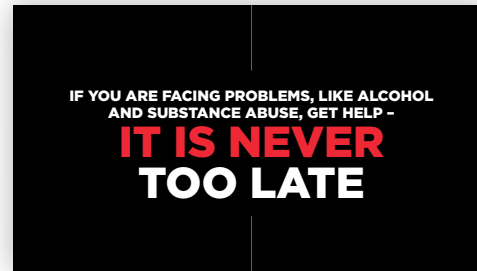
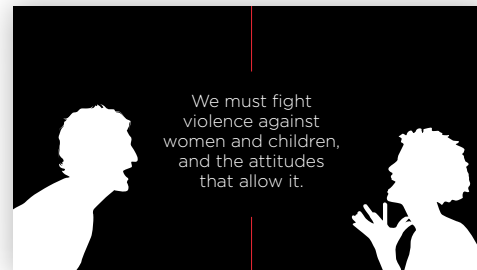
Source: Minerals Council South Africa, World Bank, South African Reserve Bank

# MINERALS COUNCIL MARKS THE START OF THE 16 DAYS OF ACTIVISM CAMPAIGN

On 25 November, the Minerals Council marked the start of the 16 Days of Activism for No Violence against Women and Children Campaign (16 Days Campaign) by remembering the 21,477 South Africans and, especially, the 198 mineworkers who have succumbed to COVID-19 (as at 30 November). We also remember the women in our country who have died at the hands of gender-based violence, and continue to mourn their deaths and grieve with their loved ones.

We support President Ramaphosa's call to the nation to declare gender-based violence as the second pandemic we are currently facing in South Africa. We also reiterate the Minerals Council's commitment to creating awareness of gender-based violence, and to supporting the women in our industry at work and at home so that they do not live in fear. And, while we remember and recommit to playing our part in eradicating the scourge of gender-based violence during this time, this is something we believe must be top-of-mind every day.

Through our Stop Abuse of Women campaign, which forms part of our Women in Mining Strategy, the Minerals Council is working closely with our members to ensure that we have the right processes and mechanisms in place to identify and deal with the abuse of women, that we continue to train and educate men and women on what abuse means, and to ensure that there are support systems in place for women in mining and mining communities to seek help.



## Useful links

For more information about our Stop Abuse of Women initiative, including the new 16 Days of Activism animation, see: <https://www.mineralscouncil.org.za/special-features/1065-stop-abuse-of-women>



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

## #Making MiningMatter

### CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

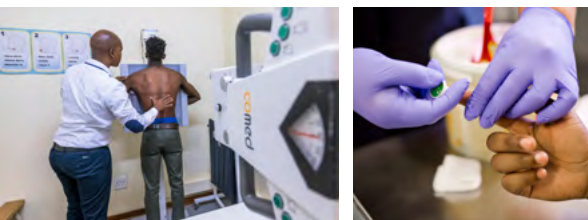
# THE MASOYISE WORKPLACE HEALTH WEBINAR

## Reprioritising TB, HIV and NCDs in the era of COVID-19

The Masoyise Health Programme (Masoyise) is a Minerals Council-led multi-stakeholder programme focused on leading the mining industry's commitment in the fight against TB, HIV, occupational lung diseases (OLDs) and non-communicable diseases (NCDs).

The programme's vision is to have a mining industry that protects and maximises the health and wellness of its employees. Its goal is to reduce the impact of TB, HIV, OLDs and NCDs as occupational health threats in the mining sector.

NCDs are diseases such as cardiovascular disease including hypertension, cancer, chronic respiratory diseases, and diabetes, and are all the leading cause of mortality and disability globally.



On 15 October 2020 Masoyise hosted a virtual seminar titled 'Fighting the unrecognised pandemic: Reprioritising TB, HIV and NCDs in the era of COVID-19'. This was in response to the disruption caused by the COVID-19 pandemic on health services in many countries, and in South Africa, as the identification and treatment of tuberculosis, HIV and NCDs required increased focus.

Hosted by Ms Zanele Matlala, one of the four Vice Presidents of the Minerals Council and the Masoyise Health Programme Chair, the three-hour seminar had approximately 600 attendees. Ms Matlala, who is also the CEO of Merafe Resources, was joined by nine other local and international experts from both the private sector and government as speakers:

1. **Dr Zweli Mkhize:** Minister of Health – South Africa
2. **Dr Shannon Hader:** Deputy Executive Director, UNAIDS
3. **Ms Alette van Leur:** Director - Sectoral Policies Department, ILO (Geneva)
4. **Dr Owen Kaluwa:** Resident Representative - WHO (South Africa)
5. **Dr Lucica Ditiu:** Executive Director – Stop TB Partnership
6. **Mr Paliani Chinguwo:** Programme Officer, Research and Information – Southern Africa Trade Union Coordination Council
7. **Mr Vusi Mabena:** Executive Secretary - Mining Industry Association of Southern Africa (MIASA)

8. **Dr Marijke Wijnroks:** Chief of Staff – Global Fund
9. **Dr Willy Amisi:** Senior Programme Officer for Health and Nutrition – Southern African Development Community (SADC)

The programme directors were:

1. **Dr Spo Kgalamono:** Acting Executive Director, National Institute for Occupational Health (NIOH)
2. **Mr Simphiwe Mabhele:** Health and HIV/TB Technical Specialist, ILO Decent Work Team for East and Southern Africa

A question and answer session was hosted by Dr Thuthula Balfour, Head of Health - Minerals Council and Masoyise custodian, and Dr Khanyile Baloyi, Deputy Head of Health - Minerals Council.



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

# #Making MiningMatter

## CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# THE MASOYISE WORKPLACE HEALTH WEBINAR

continued



## Key points from the seminar were:



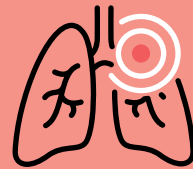
Childhood vaccination was the most disrupted service because of the COVID-19 pandemic.

Recent modelling by WHO, UNAIDS and the Stop TB Partnership show deaths from HIV, TB and malaria could as much as double in the coming year as a knock-on effect of the COVID-19 pandemic, if management of these diseases was not reprioritised.

The South African Business Coalition on Health and Aids (SABCOHA) and the Aurum Institute announced their collaboration with various stakeholders. SABCOHA wants to collaborate with mines to address men's health and encouraged all mines to contact the organisation to assist with this, especially junior and emerging mines. It offers comprehensive health screening such as TB, HIV, blood sugar and COVID-19. The Aurum Institute supports the four districts in the North West, which include the Bojanala District, and largely offers healthcare services to mineworkers in the platinum belt.



Lack of PPE exposed close to 50% of healthcare workers globally to the pandemic. An Amnesty International report published in September shows that over 7,000 healthcare workers died as a result.



People with TB still deal with the issue of stigma and their rights being disrespected.

In his opening address, Health Minister Dr Zweli Mkhize quoted published research saying: "The diversions away from other medical priorities due to the COVID-19 pandemic could mean that deaths worldwide due to HIV, TB and malaria in low- and middle-income countries could increase by up to 10%, 20%, and 36%, respectively. NCD screening and testing has fallen by half this year for the same reason.

"The Department of Health (DoH) has devised a strategy to address these challenges and will also study the recommendations of this seminar to align with them."

Ms Matlala said: "The adversity brought by COVID-19 had created opportunities, having forced us to find innovative approaches to public health challenges that we can implement in the fight against the pre-existing diseases".

Dr Balfour commented: "As TB is an airborne disease, the wearing of masks is likely to slow down TB transmission. There is even some anecdotal evidence that the incidence of flu, too, has been reduced through mask-wearing.

"The Masoyise Health Programme is very proud to have hosted a seminar that brought together national and international luminaries

to advise on how we can all reprioritise existing diseases. We are richer for the experience."

## Useful links

A report on this seminar is available here:

<https://www.mineralscouncil.org.za/work/health-and-safety/masoyise-health-programme/masoyise-health-programme-resources>

A playback of the seminar as well as links to the various speaker presentations and speaker notes are available here:

<https://www.mineralscouncil.org.za/special-features/1163-masoyise-workplace-health-virtual-seminar>



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

# #Making Mining Matter

## CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# ADVANCING THE JUST TRANSITION

## Coal technology and innovation



Anglo American Coal – Khwezela

The Minerals Council hosted a virtual seminar on 21 October at which leading local experts shared knowledge and advance action on the critical question of what role technology and innovation in the coal industry can play in mitigating carbon emissions.

The keynote address was delivered by Anglo American Coal CEO and Chair of the World Coal Association, July Ndlovu. He is also the Chair of the Minerals Council Coal Leadership Forum.

Minerals Council Senior Executive: Environment, Health and Legacies, Nikisi Lesufi commented: “The Minerals Council and our coal mining members recognise the climate change impacts of carbon emissions. Yet coal plays a significant role in South Africa today, and will do for many years to come. We support initiatives to change South Africa’s energy mix progressively towards renewable energy. Many of our members are currently seeking to develop their own renewable energy solutions.

“But also recognise that a just transition needs to consider the lives and livelihoods of the more than 90,000 people who are employed in this sector, and the more than 230,000 people whose lives depend on it. More than that, we need to keep South Africa running - South Africa currently derives over 69% of its energy requirements from coal.

**INVITATION**  
**ADVANCING THE JUST TRANSITION**  
A MINERALS COUNCIL SOUTH AFRICA WEBINAR ON  
COAL TECHNOLOGY AND INNOVATION

MINERALS COUNCIL SOUTH AFRICA

*Coal remains a vital pillar of both the South African mining industry and the economy. In 2019, coal sales totalled around R141 billion, from a total sales volume of 258 million tonnes. South Africa derives over 70% of its energy requirements (electricity and liquid fuels) from coal.*

The coal industry employed 94,297 people in 2019 - about 20% of total employment in the mining sector. If the upstream and downstream industries' employment is considered, employment levels rise to more than 230,000 people. Using a conservative dependency ratio of 1.7, a total of over 1.6 million people are sustained by income from the coal industry value chain.

The Minerals Council and its coal mining company members recognise the impact of the use of coal on climate change, and the need to reduce and minimise this impact by phasing out the use of fossil fuels in the coming decades. But we are mindful of the need for a just transition - where jobs and the livelihoods and economic opportunities presented by the sector are changed and replaced, while at the same time ensuring that replacement energy sources are available for economic activity.

A critical question that we are asking is: What role can technology and innovation in the coal industry play as a climate change mitigation strategy? To share and advance knowledge and action on this important issue, the Minerals Council will be hosting a Coal Industry Technology and Innovation Webinar where leading experts will discuss this question.

**The Webinar will focus on:**

- Identifying the role players in the clean coal technology value chain, and whether they are sufficiently well-resourced
- Who should be and who are the champions of these technologies?
- Clean coal technologies that are currently available in the country and their application. Which ones are required, adapted or native? Are there any/sufficient fiscal incentives for the development of these technologies?
- The cost of developing and localising clean coal technologies and the associated value chain
- Improving the competitiveness and growth opportunities of this industry
- The role of communities in the value chain

Some of our notable speakers are: July Ndlovu, Anglo American Coal; Nikisi Lesufi, Minerals Council South Africa; Davis Cook, BHP; Dr Nandi Makumbane, Wits University; Tumi Kgomo, EPCH Global; Vinesh Ragoorao, Independent consultant; Alex Khumalo, Minerals Council South Africa.

**DATE:** 21 October 2020  
**TIME:** 09:00 – 12:35  
**REGISTER**

*This will be a virtual seminar. There is no cost to attend. Participants will have the opportunity to ask questions.*

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www.mineralscouncil.org.za

An integral part of the just transition is ensuring that the mining and use of coal is done as efficiently as possible, minimising any negative social and environmental impacts, and maximising positive social and economic impacts. The purpose of the seminar was to stimulate and share new ideas on these issues.



MINERALS COUNCIL  
SOUTH AFRICA

DECEMBER 2020

# #Making MiningMatter

## CONTENTS

- 2 From the CEO
- 5 Women in Mining
- 8 Minerals Council publishes Facts and Figures 2019
- 10 Marking 16 Days of Activism
- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# ADVANCING THE JUST TRANSITION

continued

## The key topics and speakers included:

**Closing the gap between South Africa's climate change commitments and emissions profile: some potential technology pathways by Davis Cook, CEO at RIIS, a specialist innovation consulting firm**



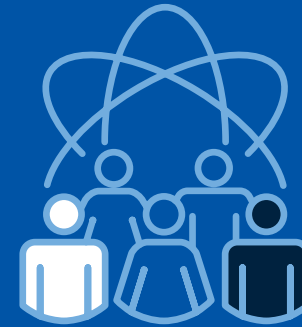
**Clean coal technologies by Vinesh Rajcoomar, an independent consultant**



**The future of coal beyond power generation by Dr Nandi Malumbazo, senior lecturer in Clean Coal Technology at Wits University**



**A sustainable coal future by Tumi Kgomo, CEO of EPCM Global Engineering**



**Inclusive development and building a people-centred vision of a modernised coal industry by Alex Khumalo, Head of Social Performance at the Minerals Council**

July Ndlovu emphasised in his keynote address: "Coal is beneficial to the country, with its multitude of uses, including its importance in the energy mix, the number of jobs it supports directly and indirectly and its role in supporting the economy.

"70% use in the country - for both electricity and liquid fuels - was derived from coal. This needs to be balanced against the environmental repercussions of the industry, which has a high level of carbon emissions."

Bongani Motsa, Senior Economist at the Minerals Council added that clean coal

technologies present South Africa with an opportunity to extract value from flue gas emissions, capture, conversion and utilisation. From processed products such as sulphuric acid, fertilizers (and fertilizer salts), diesel and green ammonia can be manufactured.

He noted: "Except for recent efforts by the Department of Science and Innovation, there has been little support from government in developing clean coal technologies. This is despite the fact that coal is the lifeblood for the country. In essence clean coal technologies will:

- Extend the life of coal-fired power plants and other industrial process plants thus retaining existing jobs
- Serve to develop new skills and jobs in new manufacturing industries
- Develop new commodities and new markets, and economic growth opportunities"

## Useful links

*A playback of the seminar as well as links to the various speaker presentations are available here:*  
<https://www.mineralscouncil.org.za/special-features/1175-advancing-the-just-transition>



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## CONTENTS

- 2 From the CEO
- 5 Women in Mining
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- 11 Masoyise - beyond COVID-19
- 13 Advancing the just transition in coal
- 15 Media releases

# MEDIA RELEASES

To find out more about the Minerals Council's recent activities, take a look at the media releases listed below:

<b>07 October</b>	Masoyise Health Programme calls for reprioritisation of pre-existing occupational health threats in the era of COVID-19
<b>08 October</b>	Minerals Council South Africa publishes Facts and Figures 2019
<b>16 October</b>	Reprioritising TB, HIV and NCDs in the era of COVID-19
<b>16 October</b>	Minerals Council notes the President's Economic Reconstruction and Recovery Plan
<b>20 October</b>	Advancing the just transition
<b>21 October</b>	Minerals Council South Africa observes Global Ethics Day 2020
<b>23 October</b>	Minerals Council comments on measures to support the chrome value chain
<b>26 October</b>	Minerals Council condemns murder of mining community leader Ms Fikile Ntshangase
<b>27 October</b>	Minerals Council comments on measures to support the chrome value chain
<b>28 October</b>	Tough Medium Term Budget Policy Statement (MTBPS) clear on depth of economic crisis
<b>29 October</b>	Minerals Council provides updated TB data
<b>17 November</b>	Minerals Council supports #PAYIN30 initiative
<b>23 November</b>	Minerals Council notes sovereign ratings downgrade
<b>25 November</b>	Minerals Council marks the start of the 16 Days of Activism campaign



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## #Making MiningMatter

### CONTENTS

<b>2</b>	From the CEO
<b>5</b>	Women in Mining
<b>8</b>	Minerals Council publishes Facts and Figures 2019
<b>10</b>	Marking 16 Days of Activism
<b>11</b>	Masoyise - beyond COVID-19
<b>13</b>	Advancing the just transition in coal
<b>15</b>	Media releases