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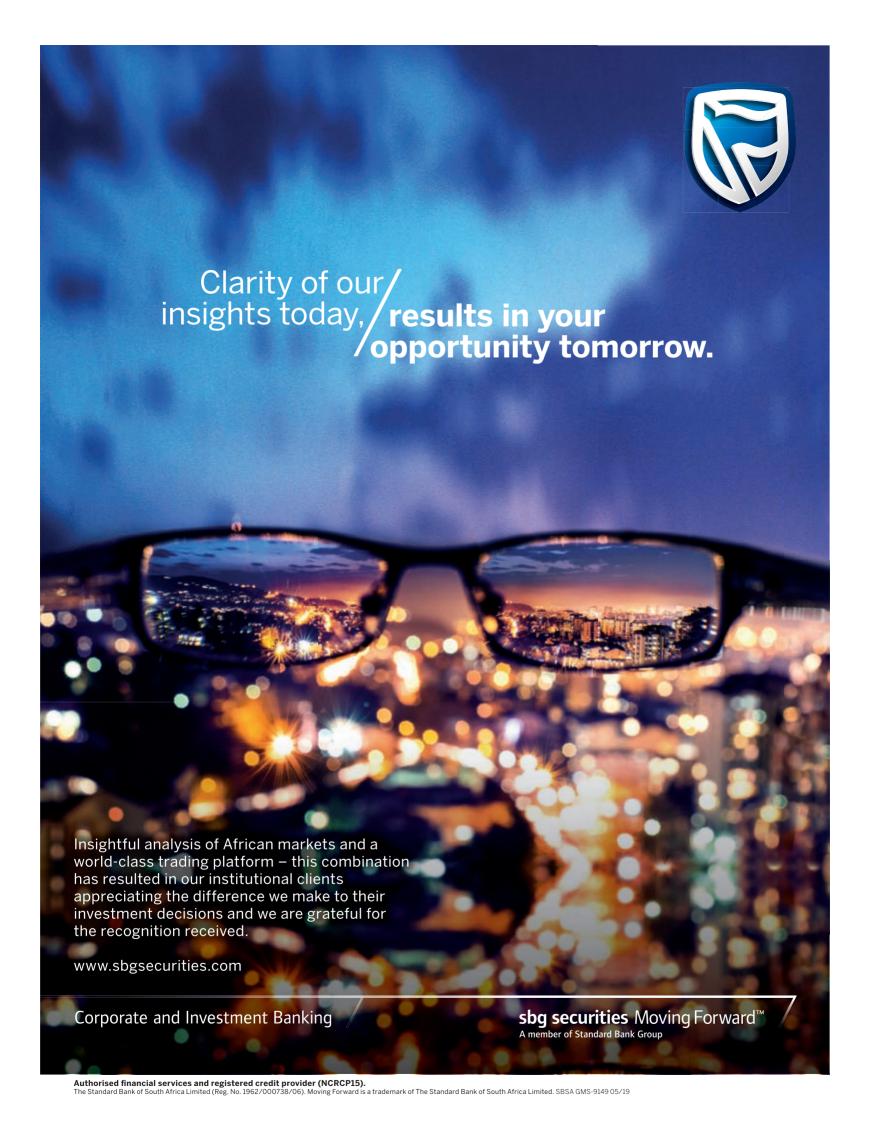
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Top Analyst

AWARDS **2019**

RANKING THE ANALYSTS



special report



OVERVIEW

Reforms will lure investors

Fund managers are looking to the post-election government to rebuild confidence in the private sector

 Standard Bank/SBG Securities, SA's top-rated research firm for the fourth consecutive year, has issued a strong call to the post-electi on government to rebuild the confidence of the private sector, especially the consumer.

This comes as institutional research and broking firms are being squeezed by low liquidity levels and trading volumes as fund managers pare back their equity holdings, as well as margin compression on commissions as they reduce the number of research houses they use.

Fund managers, generally, are "maxed out" on their offshore holdings, because they are restricted by prudential regulations from too great an exposure offshore, in the face of a suppressed economy stunting growth in all business sectors.

Still, there is no small degree of optimism in the post-elections climate that market-boosting policies are indeed the low-hanging fruit to kickstart an economic revival and boost investor confidence.

At the same time the mark et is still coming to terms with the consequences of Europe's introduction of the second wave of the Markets in Financial Instruments Directive. called MiFID ll, that among other things separates research and execution services. Market sources say that while local asset managers do not want MiFID imposed on them, many have already separated research and execution and, fur thermore, are cutting back on the

number of research houses they use as a way of cutting costs.

"Asset managers are asking for separate invoices because they want to show they're getting the best execution – they need to be able to calculate their cost analysis of each trade," says JSE director for capital markets Donna Nemer.

Those factors, worsened by the poor economic climate, are contributing to the margin squeeze being felt by the research houses.

Another feature of the market is that many offshore-based firms are downscaling their SA operations or closing them altogether. On a more positive note, this does provide opportunities for those who stay to increase their market share.

The overwhelming sentiment is the hope that the ANC's victory in the elections earlier this month will spur the government to introduce market-boosting reforms and work hard to rebuild in vestor confidence in the economy.

Rankings

SBG Securities was the best performer in the analyst rankings, taking 17.4% of the votes, up from 12.1% last year. It took 25% of the top spots of the 40 research sec tors in both the team and indi vidual analyst categories.

RMB Morgan Stanley remains in

What it means:

Industry hopes the marketboosting policies will improve the prospects of an economic revival and investor confidence



Marc Ter Mors: A more supportive environment for a growth recovery is expected

second place ahead of UBS SA, the highest-ranked foreign firm, which moved up from fourth last year.

A notable improvement came from Citigroup Global Markets, which climbed to fourth position from 10th last year. A c onspicuous absentee from the top 10 is Deutsche Securities - affected by the scaling down of its SA operations and deciding not to sub mit analyst names to the FM proc ess dropping to 14th position from third. Similarly, JPMorgan fell to 10th from fifth.

Despite the tough investment environment, Marc Ter Mors, head of equity research at SBG S ecurities, is confident of a gradual economic recovery in 2020-2021. "Now, post-elections, we expect a more supportive environment for a growth recovery," he says. To achieve that, it is imperative to rebuild the confidence of the private sector in SA and especially among consumers. "That would provide impetus to some economic recovery. When that happens, a secondary effect will be increased

foreign direct investment - and FDI already started to improve last vear." SA's FDI more than doubled in 2018 to R70.7bn from R26.8bn in 2017, the highest since 2013.

Another important element is go v e r nænt 's infrastructure plan, says Ter Mors. "Government is overindebted, but the public sector underspent by 23% last year, by our estimates. Municipalities particularly are not spending their share of budget allocations - so even if they don't receive extra funds in the budget but just spend what they get, it would provide impetus to a growth rec overy.

We expected a stronger hand for [President Cyril] Ramaphosa and a reform agenda after the elections. We now want to see c onfidence being rebuilt, which will be very positive for an improvement in liquidity in the equity mark et."

In the face of the low liquidity levels, SBG has been investing in its prime broking platform for absolute return and hedge fund clients. "We've also continued to invest in our DMA [direct market

RESEARCH SECTOR	INVESTMENT ANALYST	RESEARCH TEAM	% of votes
Africa Nonequities Research (excl SA)	David Cowan. Gina Schoeman and David Lubin	Citigroup Global Markets	22.6%
African Equities (excl SA)	EFG Hermes Research Team	EFG Hermes	28.3%
Banks	Stephan Potgieter	UBS SA	27.2%
Beverages & Tobacco	Rey Wium	Standard Bank/SBG Securities	23.5%
Commodities	Johann Pretorius. Steven Friedman. Kabelo Moshesha. Siphelele Mhlongo and Derick Deale	Renaissance Capital	16.9%
Computing & Electronics	Ruhan du Plessis	Avior Capital Markets	27.1%
Construction. Building Materials & Machinery	Rowan Goeller	Macquarie Securities Group	25.7%
Credit Analysis	Elena Ilkova and Kate Rushton	Rand Merchant Bank	27.4%
Derivatives	Emlyn Flint. Florence Chikurunhe. Anthony Seymour and Samantha Jones	Legae Peresec	23.7%
Diversified Industrials	Brent Madel	Renaissance Capital	18.4%
Economic Analysis (Domestic)	Elna Moolman	Standard Bank/SBG Securities	28.1%
Economic Analysis (International)	Mary Curtis. Ian Doyle. Jonathan Garner. Andrea Masia and Jacob Nell	RMB Morgan Stanley	21.3%
Environmental. Social & Corporate Governance	Waseem Thokan and Rob Worthington-Smith	Legae Securities	26.7%
Financial and Industrial Small & Medium Market Cap Companies	Sumil Seeraj. Marc Ter Mors. Magdel Neale and Munira Kharva	Standard Bank/SBG Securities	15.7%
Fixed-Interest Securities	Mike Keenan	Absa Capital	19.2%
Food Producers	Vikhyat Sharma	RMB Morgan Stanley	27.5%
Forestry & Paper	Brian Morgan	RMB Morgan Stanley	20.7%
General Financial	Stephan Potgieter	UBS SA	22.8%
General Mining	Johann Pretorius and Siphelele Mhlongo	Renaissance Capital	28.3%
General Retailers	Sean Holmes	RMB Morgan Stanley	24.4%
Gold Mining	Adrian Hammond	Standard Bank/SBG Securities	21.5%
Health-care Providers & Pharmaceuticals	Kane Slutzkin	UBS SA	19.3%
Hotels. Travel & Leisure	Michele Olivier	RMB Morgan Stanley	30.7%
Household Goods Retailers	Kaeleen Brown and Ya'eesh Patel	Standard Bank/SBG Securities	24.4%
Industrial Metals	Thabang Thlaku and Tim Clark	Standard Bank/SBG Securities	27.1%
Innovative Research (Equity & Nonequity)	Mary Curtis. Chris Nicholson. Brian Morgan. Vikhyat Sharma. Michele Olivier. Roy Campbell. Elan Levy and Sean Holmes	RMB Morgan Stanley	14.3%
Insurance	Michael Christelis	UBS SA	24.4%
Investment Companies	Rey Wium	Standard Bank/SBG Securities	46.4%
Investment Strategy	Mary Curtis	RMB Morgan Stanley	28.4%
Luxury Goods	Rey Wium	Standard Bank/SBG Securities	25.9%
Media	David Ferguson	Renaissance Capital	20.9%
Oil & Gas and Chemicals	Gerhard Engelbrecht	Macquarie Securities Group	26.9%
Platinum & Precious Metals	Christopher Nicholson and Jared Hoover	RMB Morgan Stanley	19.3%
Political Analysis	Simon Freemantle	Standard Bank/SBG Securities	31.2%
Quantitative Analysis	Emlyn Flint. Florence Chikurunhe. Anthony Seymour and Samantha Jones	Legae Peresec	20.0%
Real Estate	Nazeem Samsodien and Mahir Hamdulay	Macquarie Securities Group	21.9%
Resources Small & Medium Market Cap Companies	Tim Clark. Thabang Thlaku. Leroy Mnguni and Adrian Hammond	Standard Bank/SBG Securities	20.0%
Risk Management	Petrus Bosman and Team	Avior Capital Markets	25.3%
Technical Analysis	Neels Heyneke and Mehul Daya	Nedgroup Securities	39.0%
Telecommunications	Jonathan Kennedy-Good and Preeti Sukha	Standard Bank/SBG Securities	35.0%

access] platform to provide lowtouch, low-cost trading capabilities, as well as algorithmic execution abilities on global equity mark ets."

Beleaguered market

The statistics reflect the lack of confidence: JSE trade values are about 22% lower in the first quar ter of this year from Q1 2018, sa ys Ter Mors. "Last year the total inflow of institutional funds amounted to about R278bn, broadly in line with nominal GD P growth. Institutional cash flows make up about 6% of GDP and we expect a robust flow of domesti c funds of about R 295bn over 2019"

He notes an interesting switch: in 2018, the source of funds from long-term insurers overtook the total from unit trusts: 40% f or longterm insurers and 35% for unit

"That's an anomaly historically because unit trusts have been growing more rapidly in prior years, but it likely reflects the low levels of confidence by consumers who are electing for increased exposure to guaranteed products."

Another telling statistic reflecting the lack of confidence lies in bank deposits, which are at a record high. Bank deposits were at 18% of GDP in 2011 but in 2018 stood at 24%. And the equity e xposure of fund managers is low at 48% against 57% historically.

2.4%

Nedgroup Securities

n/a 1.2%

"Those indicators paint a picture of the past few years where confidence has been so suppressed it has negatively affected equity holdings and liquidity," he says, "so an improvement in confidence in SA's economic growth potential is expected to result in better liquidity for equities."

Low valuation levels will also provide a springboard for strong equity gains "if confidence rebuilding materialises". The all share index is on a pri ce:earnings ratio of 17.6 and a forward p:e of 13.5 times; while the industrial index is on a p:e of 21.6 and a forward p:e of 10.8 times. These are below their his toric averages. "If confidence comes back those levels provide re-rating potential that could become very material."

Ter Mors says though cash holdings of institutional fund managers are low, there is switching potential from relatively large bond holdings by investors and the large cash deposits in the economy.

"So existing investors would certainly benefit from a change in sentiment. And that cash can't real ly go offshore because domestic investors have 28% of their funds offshore, very close to the offshore limit of 30%.

Foreign firms cutting back

The effects of MiFID ll are of course not unique to SA and are

3.5%

particularly acute in Europe. Numerous foreign firms are sub sequently scaling back on the SA operations with Credit Suisse having exited completely. Deutsche Bank, after terminating its advisory, corporate broking and sponsor services in SA in June last year, is now rebuilding in fixed income and corporate treasury.

One source likened the stock broking market to austere dining: "There's no first course or pudding, just stick with the main course."

Nemer describes how the mar ket drifted into this state, spurring many of the foreign firms, particularly European-based ones, to cut back on their SA operations.

As MiFID discussions started coming together, a few things started happening, she says. "There was significant spread compression from the sell side to the buy side. The buy side had purchasing power and managed to drive down fees quite significantly."

The buy side market is large, with the assets of nonbank asset managers in SA larger than the assets of banks by a ratio of 2:1, so there's a large liquidity pool for research and trading. "The buy side's pricing power has increased; it also enjoys high liquidity, with several large firms operating. Conversely, the sell side was highly competitive, so they had to have good positioning with the big buy

3.8%

1.8%

n/a

side firms. That resulted in the margin compression that is putting a lot of pressure on the sell side firms' research."

At the same time Europe started outlining MiFID II, including the requirement to unbundle research from execution fees. "Then, globally, these large firms have had to look carefully at what their busi ness proposition is. Is it research or is it more specialised on the execution side?'

Those factors resulted in a trend towards specialisation, where some firms globally have opted to retain research, while some buy side firms are also setting up their own research capabilities. "We've seen that in SA with some big asset m anaæ rs", Nemer says, adding that many of the European-based investment houses are not necessarily globally based but operate most extensively in Europe and to some degree in the US and J apan.

"But they did not brand traditionally as being broad-based globally. Their operations in SA were to some degree outliers. So when they focus on their cost-to-income ratios, they have to look at the margins in different geographies and the scale of the businesses; and whether you can service clients in different ways.

"A lot of these European-based institutions found that their presence in SA was not part of a b road

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	All sectors weighted			uity sectors reighted		Sectors weighted		l sectors eighted		ity sectors eighted		Sectors weighted		l sectors eighted		ity sectors eighted		Sectors weighted
Rank	Firm	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes	Rank	% of votes
1	Standard Bank/SBG Securities	17.4%	1	18.8%	1	17.1%	1	17.7%	1	19.0%	1	17.6%	1	18.5%	1	19.6%	1	18.5%
2	RMB Morgan Stanley	14.2%	2	12.8%	2	14.3%	2	13.9%	2	12.7%	2	13.9%	2	13.7%	2	12.3%	2	13.8%
3	UBS SA	9.1%	3	10.2%	6	7.2%	4	8.4%	4	9.5%	6	6.6%	4	8.2%	4	9.2%	5	6.5%
4	Citigroup Global Markets	9.0%	5	8.9%	3	9.1%	5	8.4%	7	7.9%	3	8.5%	7	6.6%	7	6.5%	6	6.5%
5	Renaissance Capital	8.8%	4	9.6%	4	8.0%	3	8.7%	3	9.7%	5	7.6%	5	7.9%	5	8.7%	4	7.2%
6	Macquarie Securities Group	7.6%	6	8.4%	7	6.1%	7	7.6%	6	8.3%	7	6.2%	6	7.6%	6	8.2%	7	6.4%
7	Avior Capital Markets	7.4%	7	7.4%	5	7.9%	6	8.0%	5	8.3%	4	7.9%	3	10.4%	3	10.9%	3	10.8%
8	Absa Capital	3.9%	10	2.6%	8	4.0%	8	4.4%	10	3.0%	8	4.4%	8	4.7%	10	3.5%	8	4.7%
9	Arqaam Capital	3.5%	8	3.9%	10	3.1%	10	3.1%	9	3.5%	n/a	2.6%	10	3.8%	9	4.2%	10	3.4%
10	JPMorgan	3.2%	9	3.7%	n/a	2.6%	9	3.5%	8	3.9%	10	3.1%	9	4.2%	8	4.7%	9	3.7%

2.6%

1.3%

n/a

0.8%

n/a

2.5%

global sector; rather the SA operation was the outlier to a degree. Also, they couldn't leverage off a global footprint because they didn't have one.

"A lot of them decided in this environment with the margin squeeze that they could probably satisfy their client needs as easily by trading from one of their h ubs, such as London or Paris. In my view that's the biggest driver of downsizing in SA."

She emphasises the significant contribution to SA's investment market those firms have made. "These firms brought in global clients and international skills, and over time that has done a l ot for us," she says. "SA has always been an attractive market for global participants. In 1997 the equities market in SA was deregulated and commissions were no longer fixed. We then saw a significant number of global players entering the market - primarily through acquisitions of local firms. They used SA as an important spoke in their approach to global research and training. They also focused on people – on developing the right talent to cover the right stocks. They saw that as an important differentiator in attracting business from the buy side. I believe the investment (by global players) in the industry was very good for the market in SA; they brought in investments and were willing to invest in skills development and also brought exposure to global best practices. That helped SA to feature prominently in global markets."

Nemer says they also helped develop SA's research capabilities as they served as benchmarks for local players.

Unintended consequences

An unintended consequence of MiFID, combined with the effects of the prevailing market conditions, is that the coverage universe of

brokers is diminishing – they are covering fewer stocks. "The reb re, the quality of consensus forecasts is deteriorating, which is negative for price discovery and market efficiency over time," says Ter

As asset managers are also using fewer research houses, they tend to gravitate towards the larger, established ones – d i m i n i s h i ngaim is to help them achi eve the opportunities for small and black-owned firms. This is squeezing out many small research and brokerage firms and hindering transformation in the sector.

In a study of the 2017 FM ana lyst rankings by Primaresearch on behalf of the Association of Black Securities & Investment Profes sionals, it was found that 66 of 465 analysts were black. Excluding those included as part of teams, there were only 33 black SA analysts individually ranked in 2017, and only nine were black Africans.

Providing significant support to

black-owned brokerages is the JSE's Enterprise Development Programme. Launched in 2016, 33% of the equity trading and connectivity fees paid by stockbroker members of the JSE are paid to black -owned firms. So far nearly R22m has been distributed.

JSE head of corporate social investment Idris Seedat says the turnover of more than R100m. Currently 15 black-owned firms receive support from the programme while one no long er does because it achieved the R100m turnover mark.

Dominique Laroque, who with other experienced researchers Syd Vianello and Steve Burrell founded Integram Research in 2017, outlines the challenges faced by small firms. "Breaking in to the competitive investment research arena is very tough and new entrants are not given any leeway on account of their small size and/or inexperi-

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Dominique Laroque: New entrants face a myriad challenges

ence," she says. "Research is expected to be of high quality in terms of content and appearance and able to compete on merit with that of large, established players.

"In addition, the dynamics of our industry are peculiar and very challenging as it can be extremely difficult to get access to the large institutions: the heavyweight asset

managers prefer to talk to rated firms [in FM rankings]. "It's such a tricky business model for the whole industry inasmuch as you need to be ranked by the FM to get in the door, but unless you g et through the door you won't be ranked. The unintended consequence of this peculiar dynamic is that large institutions can almost

serve as barriers to entry."

One of the reasons Integram was able to make headway is because the founders had a strong, wide network. Laroque is former head of research at Nedgroup Securities, where Vianello was her colleague, and Burrell was a cofounder of Avior.

"But the main reason we were able to break into this mark et is that we developed from scratch a unique research model with a focus on governance (sustainability). Governance is becoming more and more topical globally in the wake of some high-profile corporate scandals. Our methodology enables us to put mathemati cal scores on overall governance strength as well as governance in separate areas such as controls, ethical culture and financial performance. Our scoring is transparent and consistently applied, so we can rank companies and compare them on a level playing field."

Based on her experiences with Integram, Laroque emphasises the need not only to improve access for smaller research firms but also to develop a more collaborative relationship between clients and brokers. "Part of our business model is helping trainees to build their own networks as soon as possible. They become an asset to their employer much more quickly if they have a network and this will then translate into quicker, steeper career growth."

There is, she says, an added – often unrecognised – benefit in face-to-face contact with institutional clients on roadshows, for example. "The institutions ask tough questions and really make us think and consider different angles. This is very exciting and inspiring for sell side analysts and I don't think clients always realise how much value they add to us, especially our young trainees, by seeing us." A more collaborative relation-



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ship between brokers and clients would, she believes, improve the level of insight in the research.

Market trends

In any market with conditions tightening, participants seek out new revenue streams, and two trends in the research sector have been manifesting themselves: corporate-commissioned research and deep-dive research.

Ter Mors says corporate-commissioned research is developing as a new potential revenue stream for brokers and is another unin tended consequence of MiFID.

"It's increasing rapidly in Europe because of the reducing coverage universe, the lowering quality of consensus estimates and perhaps because it is turning out to be more lucrative than the independent research model, at least for midand small-cap coverage."

While in SA this is not yet well developed, he says there have been increased inquiries from corporations which would like to entice brokers. "It's not really the major players — more the medium-sized listed companies."

With only the top 80 c ompanies on the JSE getting extensive research coverage, "many of the smaller listed companies are look – ing for ways to raise their profile, including a commissioned research model as it could arguably influence liquidity and valuations over timë

Ter Mors stresses the importance of separating this from inde pendent research. Laroque says increasing demand for deep-dive research, usually bespoke research, is also a result of the tight market conditions "where decisions are probably made more carefully, so sustainability becomes more important".

She says Integram has benefited from this trend which usually "slides under the radar" because of confidentiality. She believes clients are reluctant to commit to high research subscription fees but will pay more for one-off, more detailed reports. "I think that generally the market is moving in that direction."

YOUNG ANALYST AWARD

Equities takes the top honours

Overall, judges were impressed, but also identified certain areas where room for improvement exists

• Independent thinking and good knowledge of their subject matter stood out in this year's entri es for the Young Analyst of the Year award, which is open to analysts under 30.

Arqaam Capital's André Bekker is the top Young Analyst in the equities category for his paper on Aspen: Small Fish in a Big Pond. Avior's David Talpert is runner-up for his research on Curro, with S ilha Rasugu of EFG Hermes's paper on Safaricom in third place.

In the nonequities category, Odwa Sihlobo of Prescient Securities takes top spot with an analysis of the risks facing the SA bond market. Because there were few entries in the nonequity category this year, the CFA Society SA, which runs this process and coordinates the judging, decided to move property into nonequities.

Renaissance Capital's Phago Rakale takes second place with his paper on Nepi Rockcastle, while Noko Mantome of Thebe Stockbroking is third with her research into Artificial Intelligence: A Contrasting View. Judges score the papers without knowing who the authors are. Jennifer Henry, who co-ordinated the judging, says the overall depth and breadth of the research put forward was impressive.

"This year there was an increased sense of independence of the young analysts' views with fresh thinking around industry analysis and factors such as artificial intelligence," Henry says. "The quality of reports was excellent, making it difficult to discern a clear winner. In the end it came down to the winning [equity] analyst's indepth assessment of the quality of a company's earnings and questioning of risky accounting practice \ddot{s} .

Fellow judge Franita Neuville, investment & advisory market development manager for Middle East & Africa at Refinitiv, says it was clear that the analysts who submitted entries were knowledgeable about the industry and the company that they were covering. "Most of the reports came



Rising star: André Bekker won first place in the equities category

across as being done by a very mature analyst."

The judges also provided some guidance on aspects that c ould be improved. Henry says the research

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TOUN	G AN	ALYSI	OF I HI	EYEAR

<u> </u>	OUNG ANALYST O	F THE YEAR	
EQ	UITIES		
	Name	Firm	Paper
1	André Bekker	Arqaam Capital	Aspen: Small Fish in a Big Pond
2	David Talpert	Avior Capital Markets	Curro Holdings: Educating the Middle Class
3	Silha Rasugu	EFG Hermes	Safaricom: Spearheading Kenya's Telecom-Technology Revolution
NC	NEQUITIES		
1	Odwa Sihlobo	Prescient Securities	Disentangling South African Nominal Bond Risk
2	Phago Rakale	Renaissance Capital	NEPI Rockcastle PLC: Solid Value-Creation Track Record
3	Noko Mantome	Thebe Stockbroking	Artificial intelligence: A Contrasting View



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on property companies, for example, seemed to be becoming commoditised with each analyst's approach being very similar. "I would encourage the sell side houses to find new angles to industry research to help these young analysts stand apart."

Neuville was impressed that a few analysts included alternative data, such as ESG (environmental, social and governance) factors in

their reports. However, she says it was disappointing not to see the use of more alternative data in the analysis process and those who did use it only briefly touched on it in a couple of lines. "Globally we are seeing a movement where more alternative data is being incorporated into the investment decision-making process and young analysts should be brave and look more towards alternative ways of analysing companies."

A notable gap in the reports, she says, was on sustainable and responsible investment. "This is a key theme that is taking over the global investment world, but very little attention was given to this theme. It will be encouraging to see more focus being placed on a company's SRI (socially responsible investment) performance in research reports so that in vestors

can include that in their decisi onmaking process."

The CFA Society SA judging panel

Aadil Omar; Hugh Hacking: Rosanne Howarth: Musimuni Dowelani: Caroline Cremen; Lwando Moni; Kelvin Chinyamutangira; Gandy Gandidzanwa: Lungile Luvuno. Franita Neuville; and Jennifer Henry (convener) x

METHODOLOGY

Stringent and consistent

Ratings and rankings are based on foolproof processes from credible research institutions

• The rankings and other results presented in this survey are drawn entirely from a confidential questionnaire process conducted with the domestic institutional clients of investment research and stockbroker firms

The structure of the surve v is developed by the FM in conjunction with research house Intellidex. The survey is conducted through an online questionnaire. The Intellidex team collects the results and analyses them to determine the rankings and ratings.

The intention of the survey is to capture each institution's house view of the brokerage services it obtains, rather than the views of its individual fund managers. However, the online questionnaire makes it possible for multiple individuals at an institution to complete different sections. This allows for specialists to contribute their insights in their relevant sectors.

Before compiling the questionnaire, Intellidex asked all institutional brokers to submit a list of their analysts and the sectors the v covered in the past year. This year 33 firms submitted lists, one less

than last year. Those names and sectors were then placed into lists on the online questionnaire.

In the case of firms that did not submit nominee analysts, institutional investors were encouraged to insert the names of analysts into our questionnaires and the resulting rankings reflect the firms' performance on that basis.

Questionnaires were completed by 40 (41 in 2018) institutional respondents before the deadline. Respondents included asset managers, life insurance companies, some wealth managers and hedge funds. We attempted to include all of the largest fund managers by assets. Based on information submitted by 28 of the firms, we cal culate domestic assets under man agement by participating firms to be R3.69-trillion. On a like-for-like basis of the 18 firms that provided data in both periods, domestic assets under management increased 0.4% from last year.

For each research sector, respondents were asked to rank the five best firms and, separately, the five best analysts, using the following criteria: quality of written



Phibion Makuwerere from Intellidex, which developed the research structure with the

fundamental research in terms of content and value; accuracy of forecasts and buy/sell recommendations: useful ideas: effective communication, both written and verbal; and consistency over the past 12 months.

Points were then awarded to each analyst according to the rank ings, ranging from five points for

first place to one point for fifth. The a naty sts' rankings are derived from the votes specifically for individuals, while the firms' rankings are derived from the votes for firms. Votes for individual analysts were not transferred to the firms

In the sections covering institutional sales teams, corporate access, dealing and back-office administration, the respondents were asked to nominate and rank the firms they considered to be the best 10. There are no rankings for individual traders or sales specialists

Results were weighted in the first instance by brokerage paid to the sell side. We also included weightings by domestic assets and unweighted results. This ensures the survey correctly reflects achievement in the industry according to its own business o bje cxtès.

The brokerage weightings were determined from two sources. We asked brokers to place their clients into different brokerage "bu c kt s ". In addition, we asked the institutions to tell us how m uch they paid in brokerage – broken down into equity, fixed interest and derivatives or other. On both the sell and buy sides, some firms would not disclose this information. Data was provided by 14 firms and the v spent a total of R625m. About 58% of commission was spent on execution and 42% on research.

Figures for each broker were added together to get an indication of the total paid by each institution. This was compared to the institut is n sdisclosure, where we had it.

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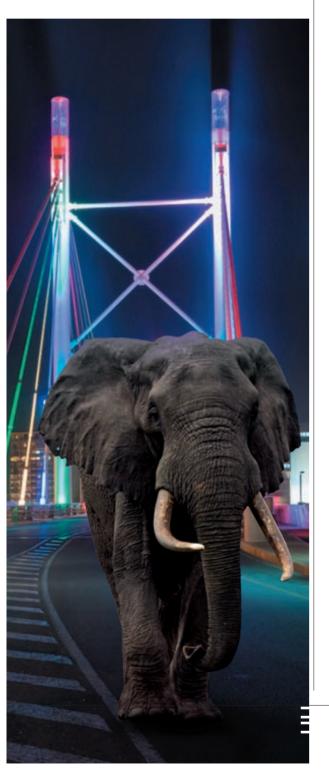
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Johannesburg Stock Exchange



special report ranking the analysts

Where we had no information, assets under management and our own mark et insights, drawn largely from previous studies, were applied to give a subjective weighting. All institutional respondents were categorised into 10 bands which were used to weight their responses. A similar process was used for the assets under management (AUM) weighting s.

All of the sectors, equity dealing, sales teams, corporate access and administration tables are presented without further amendment. However, in the case of the derivatives and fixed-interest securities dealing tables, an additional weighting was applied to firms that indicated they make extensive use of derivatives and fixed interest research and trading. The AUM and brokerage weight-

ings were adjusted to give greater weight to those firms that indicated that derivatives and fixed interest trading was a greater priority for them. This attempts to cater for the distortion that arises from the fact that most brokerage and assets are connected to equity instruments.

In the case of the overall rankings for research, an additional layer of weightings was applied. Equity sectors were weighted according to their market capitalisation as at December 31 2018, using the Swix capped index constituent weightings. The rankings with this weighting applied are presented in the column "Equity sectors w e ig ht e by market cap. Nonequity sectors, such as quantitative analysis and risk management, were weighted according to the institutions' feedback on how important

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these nonequity sectors were to them. Investment strategy and both international and domestic economics carried the largest weightings of the nonequity sectors. We then gave the equity sectors a 70% total weight and the nonequity sectors a 30% total weight to determine the results presented in the all sectors weighted column.

We will continue to develop the methodology in future surveys and welcome feedback. **Intellidex**

The following buy-side firms voted in this year's rankings:

Absa Asset Management; Aeon Investment Management; Afena Capital; Allan Gray; Allweather Capital; Aluwani Capital; Ashburton Investments; Citadel Asset Management; Coronation Asset Management; Eskom Pension

NEW COLLABORATIONS

BAML leads in Extel rankings

This year, we release the ratings of SA firms by global investors. Thanks to a collaboration between the FM, Institutional Investor (Extel) and Intellidex, we are releasing the SA results of the worldwide **Extel/Institutional Investor** Survey here. While the FM rankings are based on the opinions of SA fund managers, the Extel II survey is based on the views of asset managers globally. As SA's capital markets have become increasingly traded by foreign investors, their opinions on the best institutional brokers have become important.

The Extel survey assesses teams for SA, rather than individual analysts as the FM rankings do. The results are derived from an online survey

FIRM	RANK 2019	MARKET SHARE	2018
Bank of America Merrill Lynch	1	24.3%	2
HSBC	2	17.3%	1
UBS SA	3	11.2%	3
SBG Securities (ICBC Standard Bank)	4	9.7%	14
JPMorgan	5	9.4%	4
Morgan Stanley	6	7.6%	6
Investec Securities	7	7.3%	5
Citi	8	3.1%	10
Goldman Sachs	9	2.3%	11
Macquarie Securities Group	10	1.9%	15
Avior Capital	11	1.7%	-
BNP Paribas	12	1.3%	13
Renaissance Capital	13	1.1%	8
Absa Capital (Barclays)	14	1.0%	9
Deutsche Bank	15	0.6%	16
Argaam Capital	16	0.2%	7

Fund; Fairtree Capital; First Avenue Investment Management; Foord Asset Management; Futuregrowth Asset Management; Gryphon Asset Management; Investec Asset Management; Kagiso Asset Management; Laurium Capital Matrix Fund Managers; Meago Asset Management; Melville Douglas Investment Management; Mergence Investment Managers; Metal Industries & Benefit Funds Administrators; Momentum Asset Management; Nedbank Private Wealth; Nitrogen Fund Managers; Northstar Asset Management; Peregrine Capital; Prescient Investment Management; Prudential Portfolio Managers; PSG Wealth; Public Investment Corp; Sanlam Investment Management; Sasfin Asset Management; Sasol Pension Fund; Sesfikile Capital; Stanlib Asset Management; Tantalum Capital; Truffle Asset Management; Visio Capital. x

conducted in March and April covering asset managers in about 55 countries.

This year, the ranking is led by Bank of America Merrill Lynch (BAML), followed by HSBC. The two global brokers have clearly used their worldwide distribution strength to impress international investors with their SA capabilities. BAML took the lead position this year, swapping with **HSBC** from last year, while UBS maintained its third place ranking, a place it also holds in the FM rankings. BAML is continuing its SA push, having this year lured Alec Schoeman to head its equities business from

Interestingly, neither BAML nor HSBC rank highly in the FM rankings. This is in part because neither firm submits its names of analysts in the FM rankings process, but asset managers locally tend to not prioritise votes for analysts from either firm in the free-form sections of the survey. The real standout

eighted by brokerage		% of votes	AUM weighted	% of votes	Unweighted	% of vote
PMINISTRATION EFFICIENCY RMB Morgan Stanley		10.6%	4	8.0%	1	11.39
Macquarie Securities Group		9.9%	2	10.0%	2	8.79
UBS SA		9.2%	3	8.4%	4	8.09
Standard Bank/SBG Securi	es	8.2%	1	10.5%	3	8.69
JPMorgan		7.6%	5	6.3%	7	6.59
BofA Merrill Lynch		6.8%	9 7	5.8%	10	3.59
Investec Securities		5.3%	7	6.3%	8	5.09
Avior Capital Markets Absa Capital		5.2%	5	6.3%	5	7.49
Rand Merchant Bank		5.2% 5.0%	8 10	5.8% 5.5%	5	7.49 3.69
a Renaissance Capital	1	2.6%	n/a	3.4%	10	3.59
DRPORATE ACCESS						
RMB Morgan Stanley		16.9%	1	14.3%	1	14.09
BofA Merrill Lynch		12.0%	3	10.5%	7 2	7.39
Standard Bank/SBG Securi	es	10.3%	2	12.5%	2	11.99
Avior Capital Markets UBS SA		8.1%	4	8.7% 7.1%	3	11.19 8.19
JPMorgan		7.8% 6.7%	6 8	4.7%	4 6	7.59
Absa Capital		6.6%	5	8.0%	8	6.39
Investec Securities		5.9%	7	6.3%	5	7.99
Macquarie Securities Grou		4.7%	10	4.0%	9	5.4
HSBC Securities		4.6%	n/a	3.1%	10	3.9
Renaissance Capital		2.5%	9	4.4%	n/a	2.4
ECUTION: DERIVATIVES		40 70/	. :	44.00/	4:	45.00
Peregrine Securities		16.7%	1	14.6%	1	16.9° 13.8°
Constellation Capital Prescient Securities		12.1% 10.6%	2	10.6% 9.0%	2	8.9
Avior Capital Markets		8.7%	4 7	6.3%	3	13.1
Rand Merchant Bank		8.0%	5	8.5%	5	6.5
Absa Capital		7.3%	3	9.4%	7	4.9
JPMorgan		6.4%	6	7.2%	10	4.0
UBS SA		4.9%	8	5.3%	6	6.1
Standard Bank/SBG Securi	es	4.2%	n/a	3.3%	8	4.69
Citigroup Global Markets		4.2%	n/a	3.9%	n/a	2.7
RMB Morgan Stanley Nedgroup Securities		3.4% 3.1%	10 9	4.1% 5.2%	9 n/a	4.2° 2.5°
ECUTION: EQUITIES	:	:	-:			
RMB Morgan Stanley	1	15.8%	1	15.2%	1	15.59
UBS SA		10.2%	3	10.5%	2	9.8
Macquarie Securities Group		10.2%	2	10.7%	3	9.6
JPMorgan		8.7%	7	8.0%	4	8.3
Standard Bank/SBG Securi	es	8.5%	4	10.0%	5	8.1
Investec Securities		8.4%	5 6	8.2%	6	6.9
BofA Merrill Lynch		8.1%	6	8.0%	7	6.4
Citigroup Capital Markets		7.5%	8	7.4%	9	4.8
Renaissance Capital		4.0%	9	3.6%	8	5.3
Absa Capital		3.5%	10	2.9%	10	4.7
RECUTION: FIXED INTEREST SECU Rand Merchant Bank	RITIES	16.1%	3	14.3%	გ∥	13.6
Nedgroup Securities		16.0%	1	18.3%	3 2	14.3
Standard Bank/SBG Securi	ρς	14.9%	1 2 4 6 5	17.6%	1	16.2
JPMorgan		9.7%	4	10.4%	5	7.4
Absa Capital		8.7%	6	8.2%	4	9.6
HSBC Securities		6.9%	5	9.1%	7	5.9
Citigroup Global Markets		5.0%	7	5.4%	8	5.0
Deutsche Securities		4.7%	9	3.0%	9	3.9
RMB Morgan Stanley		4.3%	8	3.5%	10	3.4
Avior Capital Markets		3.4%	10	2.9%	6	6.6
LES TEAMS RMB Morgan Stanley		14.6%	1	12.7%	4	12.5
Investec Securities		14.6%	1	9.1%	1	9.7
Standard Bank/SBG Securi	PS	9.5%	4 2	10.6%	3 2	9.7
JPMorgan		8.9%	3	9.5%	5	8.2
Citigroup Global Markets		8.1%	6	7.4%	8	5.7
UBS SA		8.0%	7	6.7%	7	6.7
Absa Capital		6.9%	3 6 7 5	7.5%	4	8.3
Macquarie Securities Group		6.5%	9	5.9%	6	7.8
BofA Merrill Lynch		6.1%	8	6.0%	n/a	3.4
Rand Merchant Bank		4.5%	10	5.8%	9	5.6
		3.3%	n/a	4.5%	10	4.6

performance in the Extel rankings, however, has been delivered by SBG Securities, which has rocketed up the rankings, from 14th last year to fourth this year. The Standard Bank subsidiary has dominated the votes from domestic clients, as shown in its first place in the FM Rankings this year, which it

has held for four years. But the international rankings were always a tougher order, given that it has to compete with the global reach of international majors, particularly after Standard Bank reversed its international expansion ambitions and began exiting international relationships after the global financial crisis. SBG has done well to feature highly on the radar of international asset managers, building its global reach through its London joint venture ICBC Standard Bank.

Note: The Extel rankings are based on market share, which is determined by the percentage of votes received by respondents, weighted by the size of the commission wallet of each respondent. x

Special report written by Colin Anthony Advertising executive: Cris Stock Cover: 123rf Image/Nelli Valova

GOLD MINING ANALYSTS' RANKING							FIR	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of	1 11 (1	Weighted by commission	% of	AUM	% of votes	Unweighted	% 0
. Adrian Hammond	Standard Bank/SBG Securities	votes 21.5%	weighted	votes 21.8%	1	votes 26.4%	1	Standard Bank/SBG Securities	votes 20.5%	weighted	20.6%	1	24.69
Leon Esterhuizen and Arnold van Graan	Nedgroup Securities	17.9%	2	19.4%	2	14.8%		Citigroup Global Markets	19.1%	2	17.0%	2	17.3%
Johann Steyn	Citigroup Global Markets	16.4%	Δ	14.9%	3	13.5%		Nedgroup Securities	16.7%	2	18.8%	4	13.19
Yatish Chowthee	Macquarie Securities Group	14.6%	3	15.2%	5	12.3%		Macquarie Securities Group	16.2%	4	16.1%	3	14.49
Christopher Nicholson and Jared Hoover	RMB Morgan Stanley	11.6%	5	10.7%	6	10.4%	ı	RMB Morgan Stanley	10.2%	5	10.1%	6	8.39
Steven Friedman	Renaissance Capital	11.5%	6	8.9%	4	12.6%	6	Renaissance Capital	9.1%	6	6.8%	5	8.69
umber of analysts who got one or more votes: 12	Trendissurice cupital	11.570	Ĭ	0.570	7	12.070		per of firms who got one or more votes: 12	5.170		0.070		0.07
PLATINUM & PRECIOUS	S METALS												
NALYSTS' RANKING		۵, ۰		۰, ۰		٠, ,	FIR	MS' RANKING			0/ /		٥,
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% o
Christopher Nicholson and Jared Hoover	RMB Morgan Stanley	19.3%	2	18.6%	1	16.7%	1	RMB Morgan Stanley	19.6%	2	18.7%	1	16.1%
Johann Steyn	Citigroup Global Markets	18.1%	1	19.4%	4	12.5%	2	Citigroup Global Markets	19.0%	1	20.4%	3	14.0%
Steven Friedman	Renaissance Capital	15.2%	3	11.8%	3	16.4%	3	Renaissance Capital	12.7%	5	9.7%	4	12.0%
Leroy Mnguni	Standard Bank/SBG Securities	12.1%	5	11.1%	1	16.7%	4	Standard Bank/SBG Securities	11.7%	4	10.8%	2	15.29
Hurbey Geldenhuys	Vunani Securities	8.6%	4	11.3%	6	5.7%	5	Vunani Securities	9.4%	3	12.0%	n/a	6.19
Leon Esterhuizen and Arnold van Graan	Nedgroup Securities	8.4%	6	8.3%	5	7.1%	6	Nedgroup Securities	7.5%	n/a	7.3%	n/a	5.89
a Rene Hochreiter and Luvuyo Booi	Noah Capital Markets	6.4%	n/a	5.0%	6	5.7%	n/a	Noah Capital Markets	7.2%	6	8.2%	5	8.5%
	'						n/a	Avior Capital Markets	2.6%	n/a	3.8%	6	6.7%
imber of analysts who got one or more votes: 14								per of firms who got one or more votes: 14					
GENERAL MINING													
ANALYSTS' RANKING							FIR	MS' RANKING				:	
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% o
Johann Pretorius and Siphelele Mhlongo	Renaissance Capital	28.3%	1	27.2%	2	25.5%	1	Renaissance Capital	26.7%	1	26.5%	2	22.7%
Tim Clark and Thabang Thlaku	Standard Bank/SBG Securities	26.0%	2	25.5%	1	26.3%	2	Standard Bank/SBG Securities	24.7%	2	24.4%	1	25.1%
Brian Morgan. Menno Sanderse and David Prowse	RMB Morgan Stanley	16.8%	3	16.6%	3	13.6%	3	RMB Morgan Stanley	17.2%	3	17.3%	3	14.4%
Grant Sporre. Hayden Bairstow and Alon Olsha	Macquarie Securities Group	9.4%	4	10.7%	4	8.8%	4	Macquarie Securities Group	9.2%	4	10.7%	4	8.8%
Heath Jansen and Ephrem Ravi	Citigroup Global Markets	6.9%	5	8.0%	6	5.3%	5	Citigroup Global Markets	8.1%	5	8.9%	6	6.9%
	UBS SA	5.5%	6	3.3%	5	6.9%	6	UBS SA	6.9%	6	5.1%	5	8.3%
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umber of analysts who got one or more votes: 14		% of votes		% of votes	Unweighted	% of votes		MS' RANKING Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% o
umber of analysts who got one or more votes: 14 DIL & GAS AND CHEN NALYSTS' RANKING					Unweighted 1							Unweighted 1	vote
DIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission	Macquarie Securities Group RMB Morgan Stanley	votes 26.9% 14.4%	weighted 1	votes	Unweighted 1 3	votes 22.8% 12.7%	1 2	Weighted by commission Macquarie Securities Group RMB Morgan Stanley	votes 26.4% 14.2%		votes	Unweighted 1 3	vote : 21.9%
Inher of analysts who got one or more votes: 14 DIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission Gerhard Engelbrecht	AICALS Macquarie Securities Group	votes 26.9%	weighted 1	votes 27.0%	1	votes 22.8%	1 2	Weighted by commission Macquarie Securities Group	votes 26.4%		votes 26.5%	1	21.9% 12.3%
mber of analysts who got one or more votes: 14 PIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission Gerhard Engelbrecht Christopher Nicholson and Jared Hoover	Macquarie Securities Group RMB Morgan Stanley	votes 26.9% 14.4%	weighted 1	votes 27.0% 13.2%	1	votes 22.8% 12.7%	1 2 3	Weighted by commission Macquarie Securities Group RMB Morgan Stanley	votes 26.4% 14.2%		votes 26.5% 13.3%	1	21.99 12.39 9.39
DIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission Gerhard Engelbrecht Christopher Nicholson and Jared Hoover Adrian Hammond	Macquarie Securities Group RMB Morgan Stanley Standard Bank/SBG Securities	votes 26.9% 14.4% 13.8%	weighted 1	votes 27.0% 13.2% 14.2%	1	votes 22.8% 12.7% 17.9%	1 2 3 4	Macquarie Securities Group RMB Morgan Stanley Citigroup Global Markets	votes 26.4% 14.2% 12.6%		votes 26.5% 13.3% 11.7%	1 3 6	21.9° 12.3° 9.3° 15.9°
Inher of analysts who got one or more votes: 14 DIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission Gerhard Engelbrecht Christopher Nicholson and Jared Hoover Adrian Hammond Johann Steyn	Macquarie Securities Group RMB Morgan Stanley Standard Bank/SBG Securities Citigroup Global Markets	votes 26.9% 14.4% 13.8% 11.5%	## weighted 1 3 2 4	27.0% 13.2% 14.2% 10.5%	1 3 2	votes 22.8% 12.7% 17.9% 8.4%	1 2 3 4 5	Macquarie Securities Group RMB Morgan Stanley Citigroup Global Markets Standard Bank/SBG Securities	votes 26.4% 14.2% 12.6% 12.2%	weighted 1 2 4 3	votes 26.5% 13.3% 11.7% 12.9%	1 3 6 2	21.9% 12.3% 9.3% 15.9% 9.6%
DIL & GAS AND CHEN NALYSTS' RANKING Weighted by commission Gerhard Engelbrecht Christopher Nicholson and Jared Hoover Adrian Hammond Johann Steyn Alex Comer Sean Ungerer and Detlef Wincklemann	Macquarie Securities Group RMB Morgan Stanley Standard Bank/SBG Securities Citigroup Global Markets JPMorgan	votes 26.9% 14.4% 13.8% 11.5% 8.7%	### weighted 1 3 2 4 5	27.0% 13.2% 14.2% 10.5% 9.9%	1 3 2 4	votes 22.8% 12.7% 17.9% 8.4% 8.1% 4.9%	1 2 3 4 5 6	Macquarie Securities Group RMB Morgan Stanley Citigroup Global Markets Standard Bank/SBG Securities JPMorgan	votes 26.4% 14.2% 12.6% 12.2% 9.6%	weighted 1 2 4 3 5	votes 26.5% 13.3% 11.7% 12.9% 10.7%	1 3 6 2	
Umber of analysts who got one or more votes: 14 DIL & GAS AND CHEN UNALYSTS' RANKING Weighted by commission Gerhard Engelbrecht Christopher Nicholson and Jared Hoover Adrian Hammond Johann Steyn Alex Comer Sean Ungerer and Detlef Wincklemann	Macquarie Securities Group RMB Morgan Stanley Standard Bank/SBG Securities Citigroup Global Markets JPMorgan Arqaam Capital	votes 26.9% 14.4% 13.8% 11.5% 8.7% 7.5%	weighted 1 3 2 4 5 n/a	27.0% 13.2% 14.2% 10.5% 9.9% 6.1%	1 3 2 4 6 n/a	votes 22.8% 12.7% 17.9% 8.4% 8.1% 4.9%	1 2 3 4 5 6	Macquarie Securities Group RMB Morgan Stanley Citigroup Global Markets Standard Bank/SBG Securities JPMorgan Arqaam Capital	votes 26.4% 14.2% 12.6% 12.2% 9.6% 8.8%	weighted 1 2 4 3 5 n/a	votes 26.5% 13.3% 11.7% 12.9% 10.7% 7.2%	1 3 6 2	21.99 12.39 9.39 15.99 9.69 6.69

ANA	YSTS' RANKING							FIR	MS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	(
	0	0	votes	weighted	votes		votes		DUDU O: I	votes	weighted	votes	,	V
	Brian Morgan	RMB Morgan Stanley	20.7%	1	23.7%	1	22.6%		RMB Morgan Stanley	20.7%	1	23.8%	1	2
	Sean Ungerer and Detlef Wincklemann	Arqaam Capital	20.4%	2	17.7%	2	17.7%		Arqaam Capital	18.4%	2	14.9%	2	1
	James Twyman	Prescient Securities	17.9%	3	17.2%	4	14.6%		Prescient Securities	15.4%	2	14.9%	4	1
	Wade Napier	Avior Capital Markets	13.6%	4	12.3%	3	15.5%	4	Avior Capital Markets	11.5%	4	10.9%	3	1
	Matthias Pfeifenberger	Deutsche Securities	8.9%	5	9.0%	n/a	6.4%	5	Deutsche Securities	9.2%	5	8.9%	6	
	Kabelo Moshesha	Renaissance Capital	5.5%	n/a	5.3%	6	6.7%	6	Renaissance Capital	5.5%	n/a	5.0%	n/a	
a	Gavin Bantam	Standard Bank/SBG Securities	4.9%	6	6.2%	5	8.8%	6	Citigroup Global Markets	5.5%	n/a	5.3%	n/a	
									Standard Bank/SBG Securities	4.5%	6	6.1%	5	
ımbe	r of analysts who got one or more votes: 13								er of firms who got one or more votes: 12					
_	DUSTRIAL METALS													
NA	LYSTS' RANKING	1	0/ . f	A1114	0/ . f		0/ . f	FIR	MS' RANKING	0/ . f	A1184	0/ . f		
	Weighted by commission		% of votes	AUM weighted	% of	Unweighted	% of		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	١
	Thebane Thisky and Time Clark	Standard Bank/SBG Securities		weighted	votes	1	votes		Standard Bank/SBG Securities	:	-		1	1
	Thabang Thlaku and Tim Clark		27.1%	1	27.1%	1	26.4%			27.0%	1	25.9%	1	
	Brian Morgan	RMB Morgan Stanley	20.8%	3	19.4%	3	18.5%		RMB Morgan Stanley	19.9%	3	18.2%	2	
	Kabelo Moshesha and Johann Pretorius	Renaissance Capital	20.7%	2	23.6%	2	22.3%		Renaissance Capital	19.4%	2	22.2%	2	
	Heath Jansen and Ephrem Ravi	Citigroup Global Markets	7.7%	4	7.8%	5	5.5%	4	Citigroup Global Markets	6.8%	4	7.2%	6	
	Wade Napier	Avior Capital Markets	5.1%	6	4.7%	4	7.5%	5	Avior Capital Markets	6.2%	5	5.6%	4	
	Leon Esterhuizen and Arnold van Graan	Nedgroup Securities	5.1%	n/a	4.1%	6	4.5%	6	UBS SA	5.4%	n/a	4.6%	5	
a	Hurbey Geldenhuys and Loftty Mmola	Vunani Securities	3.7%	5	5.1%	n/a	3.8%	n/a	Vunani Securities	3.1%	6	4.7%	n/a	
'a	Mohloana Magwai	Macquarie Securities Group	2.9%	n/a	2.6%	6	4.5%	.,.					.,,-	
	r of analysts who got one or more votes: 12	Macquaire Securities Group	2.570	11/4	2.070		7.570	Numb	i er of firms who got one or more votes: 13					
} [SOURCES SMALL & I	MEDIUM MARKE	Т САБ	СОМЕ	PANII	ES								
	LYSTS' RANKING	· · · · · · · · · · · · · · · · · · ·						FIR	MS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	
		0	votes	weighted	votes		votes		0	votes	weighted	votes		,
	Tim Clark. Thabang Thlaku. Leroy Mnguni and Adrian Hammond	Standard Bank/SBG Securities	20.0%	1	19.0%	1	23.1%	1	Standard Bank/SBG Securities	21.0%	1	19.8%	1	
	Johann Pretorius. Steven Friedman. Kabelo Moshesha. Siphelele Mhlongo and Derick Deale	Renaissance Capital	19.5%	2	18.1%	2	16.2%	2	Renaissance Capital	18.2%	2	17.3%	2	
	Christopher Nicholson. Brian Morgan and Jared Hoover	RMB Morgan Stanley	18.7%	3	17.2%	3	14.5%	3	RMB Morgan Stanley	17.3%	3	16.5%	3	
	Leon Esterhuizen and Arnold van Graan	Nedgroup Securities	14.2%	4	14.8%	5	7.7%	4	Nedgroup Securities	14.4%	4	14.8%	6	
	Johann Steyn. Heath Jansen and Ephrem Ravi	Citigroup Global Markets	6.4%	n/a	5.4%	n/a	3.4%	5	Citigroup Global Markets	5.6%	n/a	5.0%	n/a	
	Hurbey Geldenhuys and Loftty Mmola	Vunani Securities	4.8%	6	6.4%	n/a	4.7%	5	Vunani Securities	5.6%	6	6.2%	n/a	
	, , , ,				1					1	- 1		n/a	
a	Yatish Chowthee and Mohloana Magwai	Macquarie Securities Group	4.6%	5	9.8%	6	6.8%		Macquarie Securities Group	5.0%	5	10.2%	5	
	Wade Napier and Matthew Shields	Avior Capital Markets	4.2%	n/a	3.6%	4	9.0%		Avior Capital Markets er of firms who got one or more votes: 16	3.5%	n/a	3.1%	4	
	r of analysts who got one or more votes: 16							Numi	er of fillins who got one of filore votes. 16					
_	DNSTRUCTION. BUILD LYSTS' RANKING	DING MAI ERIALS	& M/	ACHINE	:KY			FIR	MS' RANKING					
	Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	,
	Rowan Goeller	Macquarie Securities Group	25.7%	1	25.0%	1	25.5%	1	Macquarie Securities Group	26.9%	1	25.8%	1	
	Brent Madel	Renaissance Capital	21.6%	3	19.8%	3	19.8%	2	Renaissance Capital	22.6%	3	19.9%	3	
	Marc Ter Mors	Standard Bank/SBG Securities	21.3%	2	24.2%	2	23.6%		Standard Bank/SBG Securities	20.7%	2	23.6%	2	
		RMB Morgan Stanley	10.2%	5	9.2%	4	10.4%		Afrifocus Securities	9.7%	4	13.5%	6	
	Roy Campbell	:				4				1				
	Tinashe Kambadza	Afrifocus Securities	9.8%	4	11.9%	6	8.0%		Avior Capital Markets	6.8%	5	7.2%	4	
	Gari Chigwedere	Avior Capital Markets	5.7%	6	5.4%	5	9.0%		RMB Morgan Stanley	6.1%	6	4.1%	5	
nbe	r of analysts who got one or more votes: 8	<u> </u>						Numb	er of firms who got one or more votes: 9					
	NKS							Leini	AC' DANIVINO					
NΑ	LYSTS' RANKING Weighted by commission		% of	AUM	% of	Unweighted	% of		MS' RANKING Weighted by commission	% of	AUM		Unweighted	
	0 1 0 1 1	LIDOCA	votes	weighted	votes		votes		LIDCOA	votes	weighted	votes		
	Stephan Potgieter	UBS SA	27.2%	1	25.4%	1	23.8%		UBS SA	25.2%	1	23.4%	1	
	Elan Levy and Khayelihle Mthembu	RMB Morgan Stanley	13.3%	2	14.0%	2	13.6%		RMB Morgan Stanley	12.2%	3	13.1%	2	
	Observe Description of Description	Citigroup Global Markets	10.7%	4	10.1%	6	7.8%	3	Citigroup Global Markets	11.7%	5	11.2%	6	
	Charles Russell and Ronit Ghose	Citigroup Global Markets	10.7 70		10.170 :	٠.	7.070	7	i ourd out of our manifold	11.7 /0	3 :	11.2 /0		
	Unaries Russell and Ronit Gnose llan Stermer	Renaissance Capital	10.2%	3	12.4%	3	11.6%			11.5%	2	13.9%	3	
		Renaissance Capital	10.2%	3	12.4%	- 1	11.6%	4	Standard Bank/SBG Securities	11.5%	2	13.9%		
	llan Stermer	1 " '		3 5		- 1	11.6% 11.4%	4 5		1			3	

IALYSTS' RANKING				:			FIRI	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM		Unweighted	%
Stephan Potgieter	UBS SA	votes 22.8%	weighted	votes 21.0%	2	votes 15.7%	1	Avior Capital Markets	votes 27.0%	weighted	votes 24.9%	1	vo 1
Harry Botha. David Talpert and	•	22.6%	2	19.9%	2	28.1%	2	UBS SA	24.1%	2	22.9%	2	29. 17.
Bam	valwick Aviol Capital Markets	22.376	۷.	13.3 /0	1	20.1/0	4	UD3 3A	24.170	۷.	ZZ.3 /0	۷.	1/.
Ilan Stermer and Phago Rakale	Renaissance Capital	11.8%	3	14.7%	4	10.1%	3	Citigroup Global Markets	14.0%	3	12.5%	5	9.
Charles Russell and Francois du		11.6%	5	9.6%	5	8.2%	4	Renaissance Capital	9.5%	4	12.2%	6	7.
Michael Christelis	UBS SA	10.0%	4	10.6%	n/a	6.4%	1	Standard Bank/SBG Securities	8.3%	5	10.1%	3	10.
1		9.9%	'	1	3			1		6		3	
Elan Levy and Khayelihle Mther			6	9.4%	1	11.2%	5	RMB Morgan Stanley	8.3%	р	6.8%	3	10.
Magdel Neale	Standard Bank/SBG Securiti	ies 4.3%	n/a	6.8%	6	7.9%	l						
nber of analysts who got one or more votes: 12							Numb	per of firms who got one or more votes: 11					
NSURANCE													
IALYSTS' RANKING					!		FIRI	MS' RANKING	!	!			
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% VO
Michael Christelis	UBS SA	24.4%	1	23.2%	1	22.5%	1	UBS SA	21.7%	1	20.7%	2	19
Francois du Toit	Citigroup Global Markets and	nd 23.2%	2	20.7%	3	18.6%	2	Citigroup Global Markets	20.3%	4	17.2%	3	16
	Renaissance Capital		_					9				_	
Musa Malwandla	Standard Bank/SBG Securiti	ies 18.1%	3	18.2%	2	21.5%	3	Standard Bank/SBG Securities	20.0%	2	19.4%	1	20
Larissa van Deventer	Macquarie Securities Group		4	17.6%	4	16.4%	4	Absa Capital	14.6%	3	17.8%	5	1
Grant Davids	Absa Capital	12.2%	5	13.9%	5	11.9%	5	Macquarie Securities Group	13.9%	5	13.9%	4	1
Warwick Bam	Avior Capital Markets	4.2%	6	5.5%	6	6.8%	6	Avior Capital Markets	7.2%	6	8.9%	6	1
nber of analysts who got one or more votes: 8	Avioi Capital Markets	4.270	U	0.076	U	0.076		er of firms who got one or more votes: 9	1.2.70	0	0.576	U	1
			i		L				ii	<u>i</u>		ii	
SEVERAGES & TO	JBACCO						Leibi	MC: DANII/INO					
IALYSTS' RANKING Weighted by commission		% of	AUM	% of	Unweighted	% of	FIKI	MS' RANKING Weighted by commission	% of	AUM	% of	Unweighted	
		votes	weighted	votes		votes			votes	weighted	votes		V
Rey Wium	Standard Bank/SBG Securiti	ies 23.5%	1	26.0%	1	27.7%	1	Standard Bank/SBG Securities	21.9%	1	24.6%	1	2
Nic Oliver	UBS SA	20.1%	3	18.7%	2	18.1%	2	UBS SA	19.2%	2	18.0%	2	1
Adam Spielman and Simon Hal	es Citigroup Global Markets	18.5%	4	14.7%	3	14.3%	3	Citigroup Global Markets	17.3%	4	13.2%	5	1
Rupert Wilson	Noah Capital Markets	17.4%	2	18.7%	3	14.3%	4	Noah Capital Markets	13.6%	3	14.5%	4	1
Vikhyat Sharma. Richard Taylor	and RMB Morgan Stanley	7.2%	5	7.0%	5	8.7%	5	RMB Morgan Stanley	11.3%	5	12.0%	3	1
Olivier Nicolai			,							.			
Janine van Wyk and Ross Hindl	· · · · · · · · · · · · · · · · · · ·	3.6%	n/a	2.7%	6	5.5%	6	Avior Capital Markets	4.2%	n/a	3.4%	6	
Callum Elliot	Bernstein	2.9%	6	3.2%	n/a	1.5%	n/a	:	3.2%	6	3.6%	n/a	
nber of analysts who got one or more votes: 15							Numb	per of firms who got one or more votes: 15					
OOD PRODUCE	RS												
IALVOTO: DANIUM O													
IALYSTS' RANKING	:							MS' RANKING					
IALYSTS' RANKING Weighted by commission		% of	AUM	% of	Unweighted	% of		MS' RANKING Weighted by commission	% of	AUM		Unweighted	
Weighted by commission		votes	AUM weighted	votes	Unweighted	votes		Weighted by commission	votes	AUM weighted	votes		٧
Weighted by commission Vikhyat Sharma	RMB Morgan Stanley	votes 27.5%		votes 27.7%	Unweighted 1	votes 22.1%	1	Weighted by commission RMB Morgan Stanley	votes 26.8%		votes 27.1%	Unweighted 1	V 2
Weighted by commission Vikhyat Sharma Sumil Seeraj	RMB Morgan Stanley Standard Bank/SBG Securiti	votes 27.5% ies 20.0%		votes 27.7% 21.1%	1 2	votes 22.1% 21.0%	1 2	Weighted by commission RMB Morgan Stanley Standard Bank/SBG Securities	votes 26.8% 20.1%	weighted 1 2	votes 27.1% 20.8%	1 2	2 2
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital	votes 27.5% ies 20.0% 16.1%	weighted 1 2 3	votes 27.7% 21.1% 15.7%	1 2 3	votes 22.1% 21.0% 15.1%	1 2 3	Weighted by commission RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital	votes 26.8% 20.1% 14.4%	weighted 1 2 3	votes 27.1% 20.8% 14.2%	1 2 3	2 2 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets	votes 27.5% ies 20.0% 16.1% 7.2%		27.7% 21.1% 15.7% 7.2%	1 2 3 4	22.1% 21.0% 15.1% 9.4%	1 2 3 4	Weighted by commission RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets	26.8% 20.1% 14.4% 7.6%	weighted	votes 27.1% 20.8% 14.2% 8.0%	1 2 3 4	2 2 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets	votes 27.5% 20.0% 16.1% 7.2% 6.4%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2%	1 2 3 4	22.1% 21.0% 15.1% 9.4% 4.6%	1 2 3 4 5	Weighted by commission RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets	votes 26.8% 20.1% 14.4% 7.6% 6.5%	weighted 1 2 3 4 5	votes 27.1% 20.8% 14.2% 8.0% 6.4%	1 2 3 4	1 2 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3%	weighted 1 2 3	27.7% 21.1% 15.7% 7.2%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6%	weighted 1 2 3 4 5 n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0%	1 2 3 4	1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2%	1 2 3 4	22.1% 21.0% 15.1% 9.4% 4.6%	1 2 3 4 5 6	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch	votes 26.8% 20.1% 14.4% 7.6% 6.5%	weighted 1 2 3 4 5	votes 27.1% 20.8% 14.2% 8.0% 6.4%	1 2 3 4	1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6%	weighted 1 2 3 4 5 n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0%	1 2 3 4 6 n/a	1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6%	weighted 1 2 3 4 5 n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0%	1 2 3 4 6 n/a	2 2 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9%	weighted 1 2 3 4 5 n/a n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2%	1 2 3 4 6 n/a n/a	1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018)	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3%	weighted 1 2 3 4 5	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a n/a	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9%	weighted 1 2 3 4 5 n/a n/a n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2%	1 2 3 4 6 n/a n/a	1 2 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018)	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Kowalsky Arqaam Capital	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a n/a	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9%	weighted 1 2 3 4 5 n/a n/a n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2%	1 2 3 4 6 n/a n/a	2
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018)	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities er of firms who got one or more votes: 18	votes 26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9%	weighted 1 2 3 4 5 n/a n/a n/a	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2%	1 2 3 4 6 n/a n/a	1 2 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018)	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Kowalsky Arqaam Capital	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9%	1 2 3 4 5 6 n/a n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0%	1 2 3 4 6 n/a n/a	11 11
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) DETALTH-CARE PI MALYSTS' RANKING Weighted by commission	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Kowalsky Arqaam Capital	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6 5 6	22.1% 21.0% 15.1% 9.4% 4.6% 4.9% 4.6%	1 2 3 4 5 6 n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities er of firms who got one or more votes: 18 MS' RANKING Weighted by commission	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0%	1 2 3 4 6 n/a n/a 5 6	
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) IEALTH-CARE PI ALYSTS' RANKING Weighted by commission Kane Slutzkin	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Kowalsky Arqaam Capital	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6 5 6 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	votes 22.1% 21.0% 15.1% 9.4% 4.6% 4.9% 4.6%	1 2 3 4 5 6 n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities er of firms who got one or more votes: 18 MS' RANKING Weighted by commission Citigroup Global Markets	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0%	1 2 3 4 6 n/a n/a	v 2 2 1 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) DETALTH-CARE PI MALYSTS' RANKING Weighted by commission Kane Slutzkin Mathew Menezes	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Arqaam Capital ROVIDERS & PHAF UBS SA Citigroup Global Markets	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2% LS % of votes 20.9% 17.5%	1 2 3 4 6 5 6	votes 22.1% 21.0% 15.1% 9.4% 4.6% 4.6% 4.6% % of votes 19.8% 13.5%	1 2 3 4 5 6 n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities eroffirms who got one or more votes: 18 MS' RANKING Weighted by commission Citigroup Global Markets UBS SA	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0%	1 2 3 4 6 n/a n/a 5 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) IEALTH-CARE PI ALYSTS' RANKING Weighted by commission Kane Slutzkin	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Arqaam Capital ROVIDERS & PHAF UBS SA Citigroup Global Markets	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2%	1 2 3 4 6 5 6 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	votes 22.1% 21.0% 15.1% 9.4% 4.6% 4.9% 4.6%	1 2 3 4 5 6 n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities er of firms who got one or more votes: 18 MS' RANKING Weighted by commission Citigroup Global Markets	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0%	1 2 3 4 6 n/a n/a 5 6	v 2 1 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) IEALTH-CARE PI IALYSTS' RANKING Weighted by commission Kane Slutzkin Mathew Menezes	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Arqaam Capital ROVIDERS & PHAF UBS SA Citigroup Global Markets	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2%	weighted 1 2 3 4 5 6 n/a	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2% LS % of votes 20.9% 17.5%	1 2 3 4 6 5 6 6 1 1 3 1 3	votes 22.1% 21.0% 15.1% 9.4% 4.6% 4.6% 4.6% % of votes 19.8% 13.5%	1 2 3 4 5 6 n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities eroffirms who got one or more votes: 18 MS' RANKING Weighted by commission Citigroup Global Markets UBS SA	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3%	weighted 1 2 3 4 5 n/a n/a 6	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0% 9.66 19.6%	1 2 3 4 6 n/a n/a 5 6	2 2 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) IEALTH-CARE PI IALYSTS' RANKING Weighted by commission Kane Slutzkin Mathew Menezes André Bekker and Sean Ungere	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Arqaam Capital UBS SA Citigroup Global Markets rr Arqaam Capital RMB Morgan Stanley	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2% 8 of votes 19.3% 18.7% 17.5%	weighted 1 2 3 4 5 6 n/a AUM weighted 1 2 3	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2% LS ** of votes 20.9% 17.5% 14.9%	1 2 3 4 6 5 6 6 1 1 3 1 3	votes 22.1% 21.0% 15.1% 9.4% 4.6% 4.6% 4.6% % of votes 19.8% 13.5% 18.2%	1 2 3 4 5 6 n/a n/a n/a Numb	RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities MS' RANKING Weighted by commission Citigroup Global Markets UBS SA Arqaam Capital JPMorgan	26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3% **Woof votes 19.2% 17.2% 15.2%	weighted 1 2 3 4 5 n/a n/a 6 AUM weighted 1 2 5	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0% **of votes 19.6% 11.8%	1 2 3 4 6 n/a n/a 5 6	v 2 2 1 1 1 1
Weighted by commission Vikhyat Sharma Sumil Seeraj Robyn Collins Jiten Bechoo and Pratish Soni Kgosi Rahube Anthony Geard Detlef Wincklemann and Robin (started Jan 2018) IEALTH-CARE PI IALYSTS' RANKING Weighted by commission Kane Slutzkin Mathew Menezes André Bekker and Sean Ungere Roy Campbell	RMB Morgan Stanley Standard Bank/SBG Securiti Renaissance Capital Avior Capital Markets Citigroup Global Markets Investec Securities Arqaam Capital UBS SA Citigroup Global Markets r Arqaam Capital	votes 27.5% 20.0% 16.1% 7.2% 6.4% 3.3% 3.2% RMACE % of votes 19.3% 18.7% 17.5% 12.5% 9.2%	weighted 1 2 3 4 5 6 n/a AUM weighted 1 2 3 4	votes 27.7% 21.1% 15.7% 7.2% 6.2% 4.0% 3.2% LS % of votes 20.9% 17.5% 14.9% 13.5%	1 2 3 4 6 5 6 6 1 1 3 2 5 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**21.7%** 21.0%** 21.0%** 21.0%** 21.0%** 4.6%** 4.	1 2 3 4 5 6 n/a n/a n/a Numb	Weighted by commission RMB Morgan Stanley Standard Bank/SBG Securities Renaissance Capital Avior Capital Markets Citigroup Global Markets Bank of America Merrill Lynch Prescient Securities Arqaam Capital Investec Securities MS' RANKING Weighted by commission Citigroup Global Markets UBS SA Arqaam Capital	**Yotes** 26.8% 20.1% 14.4% 7.6% 6.5% 4.6% 3.9% 3.9% 3.3% *** 3.3% *** 19.2% 17.2% 15.2% 13.1%	weighted 1 2 3 4 5 n/a n/a 6 AUM weighted 1 2 5 3	votes 27.1% 20.8% 14.2% 8.0% 6.4% 4.0% 3.2% 4.0% 4.0% 4.0% 1.0% 19.6% 19.6% 11.8% 14.1%	1 2 3 4 6 n/a n/a 5 6	

NALYSTS' RANKING							1	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	%(
Rey Wium	Standard Bank/SBG Securities	votes 25.9%	weighted	votes 27.9%	1	votes 24.6%		UBS SA	votes 24.7%	weighted 2	votes 22.7%	2	19.6
Helen Brand	UBS SA	25.2%	2	23.4%	2	22.9%		Standard Bank/SBG Securities	24.3%	1	26.7%	1	26.3
Thomas Chauvet	Citigroup Global Markets	18.3%	3	17.0%	4	13.6%		Citigroup Global Markets	18.0%	3	16.3%	4	13.3
Atiyyah Vawda	Avior Capital Markets	12.8%	4	12.6%	3	15.5%		Avior Capital Markets	9.6%	4	11.3%	3	13.7
Francesca DiPasquantonio	Deutsche Securities	6.6%	6	5.9%	6	6.5%		RMB Morgan Stanley	8.7%	5	7.9%	5	10.4
Edouard Aubin. Ian Doyle and Jamie	RMB Morgan Stanley	6.6%	5	6.3%	5	9.0%		Deutsche Securities	7.9%	6	6.3%	6	6.7
Pegg	Tanis mergan etamoj	0.070		0.070		5.070	ľ	D GRISSING G G G G I I I I G G	,,,,,,	Ĭ	0.070		0.7
ber of analysts who got one or more votes: 11							Numl	per of firms who got one or more votes: 10					
ENERAL RETAILERS													
VALYSTS' RANKING							FIR	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	% (
Sean Holmes	RMB Morgan Stanley/	votes 24.6%	weighted	votes 26.7%	1	votes 24.3%		RMB Morgan Stanley	votes 22.3%	weighted	votes 23.4%	1	21.6
Scarrionnes	Deutsche Securities	24.070	1	20.7 70	1	24.570		Timb morgan stanicy	22.570	*	25.470	-	21.0
Kaeleen Brown and Ya'eesh Patel	Standard Bank/SBG Securities	16.0%	3	12.9%	2	16.8%	2	Standard Bank/SBG Securities	19.3%	3	16.3%	2	18.7
Shamil Ismail	Primaresearch	12.1%	2	14.1%	5	7.6%		Primaresearch	15.1%	2	17.0%	3	10.3
Bjorn Zietsman	UBS SA	10.4%	4	11.0%	3	11.6%		Absa Capital	7.8%	4	9.4%	4	9.2
Zaheer Joosub	Renaissance Capital	5.8%	6	6.0%	n/a	4.9%		UBS SA	6.6%	5	7.0%	6	6.0
Darren Cohn. Sa'ad Chothia. Samantha	Absa Capital	5.6%	5	6.1%	4	7.8%		HSBC Securities	6.0%	n/a	3.2%	n/a	4.6
Naicker and Rod Salmon	1		Ĭ		· l					.,,		.,, =	
Jasmine Lin	Primaresearch	5.6%	n/a	4.9%	n/a	3.8%	n/a	Avior Capital Markets	5.4%	n/a	5.3%	5	6.9
Natasha Moolman and Fatima Laher	Macquarie Securities Group	5.1%	n/a	5.0%	n/a	4.3%			4.9%	6	6.0%	n/a	3.7
Jiten Bechoo. Atiyyah Vawda and Pratish	Avior Capital Markets	4.2%	n/a	4.0%	6	5.7%	n/a		3.9%	n/a	4.3%	6	6.0
Soni			.,-		-		1.,.			.,-			
ber of analysts who got one or more votes: 16							Numi	per of firms who got one or more votes: 15					
OUSEHOLD GOODS	DETAILEDS												
IOUSEHOLD GOODS	RETAILERS						FIR	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	% (
		votes	weighted	votes		votes			votes	weighted	votes	oorgor	vote
Kaeleen Brown and Ya'eesh Patel	Standard Bank/SBG Securities	24.4%	2	20.2%	2	22.1%		Standard Bank/SBG Securities	26.4%	1	24.8%	1	22.9
Sean Holmes and Vikhyat Sharma	RMB Morgan Stanley	23.3%	1	25.1%	1	24.2%		RMB Morgan Stanley	21.2%	2	20.5%	1	22.99
Jasmine Lin	Primaresearch	10.5%	5	11.0%	n/a	5.3%		Absa Capital	10.3%	3	12.3%	3	10.79
Darren Cohn, Sa'ad Chothia, Samantha	Absa Capital	10.4%	3	12.5%	3	11.1%		Primaresearch	10.0%	4	10.5%	n/a	5.4
Naicker and Rod Salmon	/ Isoa Gapitai	201170	Ĭ	12.070	Ĭ.	111170	1		10.070	`	10.070	1.75	0
Bjorn Zietsman	UBS SA	9.8%	4	11.5%	5	7.9%	5	Macquarie Securities Group	7.7%	6	6.4%	4	9.39
Natasha Moolman and Fatima Laher	Macquarie Securities Group	8.4%	6	8.1%	4	9.5%		UBS SA	7.4%	5	7.9%	n/a	5.99
Mark Hodgson	Avior Capital Markets	3.3%	n/a	3.1%	5	7.9%	n/a		5.4%	n/a	5.1%	6	6.39
Mulk Hodgson	/ Wior cupitar Markets	3.570	11/4	5.170	3	1.5 /0	n/a		3.5%	n/a	4.3%	5	8.39
inber of analysts who got one or more votes: 13								per of firms who got one or more votes: 12	3.576	11/4	7.570	,	0.5
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HOTELS. TRAVEL & L	EISURE						Leib	MOLD ANII (INIO					
VALYSTS' RANKING Weighted by commission		% of	AUM	% of	Unweighted	% of	-	MS' RANKING Weighted by commission	% of	AUM	0/. of	Unweighted	% c
Weighted by Collinission		votes	weighted	votes	Oliweighteu	votes		weighted by commission	votes	weighted	votes	Oliweigilleu	vote
Michele Olivier	RMB Morgan Stanley	30.7%	weighted	30.8%	2	31.9%		Avior Capital Markets	29.0%	weighted	28.3%	1	35.3
Janine van Wyk	Avior Capital Markets	24.4%	1	20.8%	4	33.1%		RMB Morgan Stanley	25.2%	1	22.5%	1	26.7
Jasmine Lin			2		3			Citigroup Global Markets	1 1	2		2	
	Primaresearch	20.8%	۷.	25.1%	3	15.1%			21.6%	4	16.5%	4	12.7
Kgosi Rahube	Citigroup Global Markets	16.7%	4	13.4%	4	9.6%		Primaresearch	20.5%	2	27.1%	3	16.0
Sven Forssman and Khanyi Tshabalala	Navigare Securities	6.5%	5	7.7%	5	6.6%		Navigare Securities	2.5%	5	2.7%	5	5.3
Matthew Calvocoressi ber of analysts who got one or more votes: 7	JPMorgan	0.8%	6	1.9%	6	3.0%	6 Numl	JPMorgan per of firms who got one or more votes: 7	0.9%	6	2.4%	6	3.3
			<u>.</u>		<u>.</u>		_			<u>:</u>			
IVERSIFIED INDUST	RIALS						T-:-						
IALYSTS' RANKING Weighted by commission		% of	AUM	% of	Unweighted	% of		MS' RANKING Weighted by commission	% of	AUM	% of	Unweighted	% (
Weighted by Commission		votes	weighted	votes	Onweighted	votes		Weighted by Commission	votes	weighted	votes	Onweighted	vote
Brent Madel	Renaissance Capital	18.4%	3	15.3%	1	18.8%		Renaissance Capital	17.0%	4	13.7%	2	15.9
Munira Kharva	Standard Bank/SBG Securities	17.4%	1	18.7%	2	17.6%		Standard Bank/SBG Securities	15.9%	1	18.0%	1	16.5
Rowan Goeller	Macquarie Securities Group	14.6%	2	15.6%	1	12.6%		RMB Morgan Stanley	15.4%	2	14.8%	2	12.9
Roy Campbell	RMB Morgan Stanley	14.0%	7	13.6%	3	13.6%		Macquarie Securities Group	15.4%	2	14.0%	3 4	12.3
			4		5				: :	1			
Michael Jacks	Bank of America Merrill Lynch	9.3%	5	9.6%	5	7.4%	2	Ceri Moodie Investment	5.3%	n/a	4.9%	n/a	2.
	and Arqaam Capital							Research					
1			6	6.5%	n/a	3.2%	16	Absa Capital	5.3%	5	5.8%	5	8.7
Ceri Moodie	Ceri Moodie Investment	6.7%	0	0.570	11,0	0.270	ľ	7 lbod Capital			3.070		
Ceri Moodie	Research		0					'					
		6.7% 4.4%	n/a	4.5%	5			Avior Capital Markets	3.4%	n/a	3.9%	6	6.3
	Research						n/a	'					

IN	VESTMENT COMPAN	NIES											
ANA	LYSTS' RANKING							FIRMS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of	Weighted by commission	% of	AUM	% of	Unweighted	% of
	:		votes	weighted	votes		votes		votes	weighted	votes		votes
1	Rey Wium	Standard Bank/SBG Securities	46.4%	1	48.4%	1	40.9%		46.0%	1	49.3%	1	39.7%
2	Atiyyah Vawda and Charl Wolmarans	Avior Capital Markets	16.6%	2	16.3%	2	18.7%	2 Avior Capital Markets	18.7%	2	19.2%	2	22.4%
3	lan Doyle and Jamie Pegg	RMB Morgan Stanley	14.7%	4	13.4%	4	14.0%	3 RMB Morgan Stanley	14.7%	4	12.1%	4	13.5%
4	Michael Christelis	UBS SA	12.9%	3	14.5%	3	15.2%	4 UBS SA	12.7%	3	13.1%	3	14.1%
5	llan Stermer	Renaissance Capital	8.6%	5	5.6%	5	8.2%	5 Renaissance Capital	6.8%	5	4.2%	5	7.1%
6	John Storey	JPMorgan	0.9%	6	1.8%	6	2.9%	6 JPMorgan	1.0%	6	2.0%	6	3.2%
Numb	er of analysts who got one or more votes: 6							Number of firms who got one or more votes: 6					
~	MOUTING & FLECT	DONICC											
	DMPUTING & ELECT LYSTS' RANKING	KUNICS						FIRMS' RANKING					
AINA			0/ -5	ATIM	0/ -5	Hamaiahtad	0/ -5		0/ 04	ATTA	0/ -5	Hamalahtad	0/ -5
	Weighted by commission		% of	AUM	% of	Unweighted	% of	Weighted by commission	% of	AUM	% of	Unweighted	% of
1	Duhan du Diagoia	Aurian Canital Mankata	votes	weighted	votes	1	votes	1 Draggiant Consulting	votes	weighted	votes	,	votes
1	Ruhan du Plessis	Avior Capital Markets	27.1%	۷.	24.2%	1	26.8%	1	29.0%	1	28.3%	2	19.8%
2	Irnest Kaplan	Kaplan Equity Analysts	25.6%	1	26.0%	4	19.1%	2 Avior Capital Markets	26.1%	2	23.4%	1	30.5%
3	Muneer Ahmed	Prescient Securities	20.7%	3	21.8%	2	19.7%	3 Kaplan Equity Analysts	15.5%	4	14.2%	4	12.3%
4	Jonathan Kennedy-Good and Preeti Sukha	Standard Bank/SBG Securities	18.8%	4	21.0%	2	19.7%	4 Standard Bank/SBG Securities	12.4%	3	14.3%	3	17.1%
5	Chris Grundberg	UBS SA	2.7%	6	1.8%	6	3.2%		9.0%	5	9.1%	n/a	2.7%
5	•			5	2.6%		5.1%	6 Navigare Securities	2.7%	6	3.3%	: :	
-	lan Doyle and Jamie Pegg	RMB Morgan Stanley	2.7%			5				- :		n/a	1.6%
n/a	JP Davids	JPMorgan	1.2%	n/a	1.3%	6	3.2%	n/a JPMorgan	1.6%	n/a	2.4%	5	4.8%
n/a	David Smith	Investec Securities	1.2%	n/a	1.3%	6	3.2%	n/a UBS SA	1.1%	n/a	1.1%	6	3.2%
Numb	er of analysts who got one or more votes: 8							Number of firms who got one or more votes: 11					
NA.	EDIA												
	LYSTS' RANKING							FIRMS' RANKING					
AINA			8/ م	AUM	0/ 05	Hawaiahtad	0/ 05		0/ 08	AUM	0/ 08	Unweighted	0/ 08
	Weighted by commission		% of	weighted	% of votes	Unweighted	% of	Weighted by commission	% of	weighted	% of	Unweighted	% of
	in		votes	weignted			votes		votes	weighted	votes		votes
1	David Ferguson	Renaissance Capital	20.9%	1	22.2%	1	17.9%	1 Renaissance Capital	20.4%	1	23.4%	2	16.7%
2	Kevin Mattison and Charl Wolmarans	Avior Capital Markets	13.6%	2	14.3%	2	16.3%	2 Avior Capital Markets	16.7%	2	20.5%	1	20.4%
3	Catherine O'Niell. Alicia Yap. Paul Shin	Citigroup Global Markets	11.9%	5	10.0%	6	8.3%	3 Standard Bank/SBG Securities	12.3%	4	9.7%	3	16.0%
	and Team												
4	Jonathan Kennedy-Good and Preeti Sukha	Standard Bank/SBG Securities	11.8%	3	10.9%	3	13.9%	3 UBS SA	12.3%	3	10.6%	4	9.5%
	1	1		_		3		ļ ;	:			1 '1	
5	John Kim	UBS SA and	10.2%	4	10.7%	4	10.4%	5 Macquarie Securities Group	8.7%	6	6.3%	5	8.4%
		Deutsche Securities											
6	Wendy Huang	Macquarie Securities Group	9.7%	6	8.7%	5	9.1%	6 Citigroup Global Markets	8.2%	n/a	4.8%	n/a	5.1%
								n/a Deutsche Securities	7.0%	5	7.4%	n/a	5.5%
								n/a RMB Morgan Stanley	5.7%	n/a	5.5%	6	8.0%
Numb	er of analysts who got one or more votes: 12							Number of firms who got one or more votes: 12	3.7 70	11/4	3.370		0.070
						ii			<u>:</u>			1	
	LECOMMUNICATIO	<u>NS</u>											
ANA	LYSTS' RANKING	:						FIRMS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of	Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes		votes		votes	weighted	votes		votes
1	Jonathan Kennedy-Good and Preeti Sukha	Standard Bank/SBG Securities	35.0%	1	33.5%	1	34.1%	1 Standard Bank/SBG Securities	33.9%	1	32.1%	1	31.6%
2	Maddy Singh	RMB Morgan Stanley	16.2%	2	16.0%	3	11.6%		12.6%	4	10.4%	2	11.1%
3	John Kim	UBS SA and	14.0%	3	12.2%	2	12.2%		12.5%	3	12.3%	4	9.1%
J	Johnstill	Deutsche Securities	14.0 /0	3	12.2/0	2	12.2/0	Trivid Morgan Stanley	12.570	3	12.370	4	J.1 /0
4	ID Devide		10.20/		44.00/		44.407	4 IDMans	14 50/	_	10.70/		44.407
4	JP Davids	JPMorgan	10.3%	4	11.6%	4	11.1%		11.5%	2	12.7%	2	11.1%
5	Chris Grundberg	UBS SA	8.0%	5	6.4%	5	6.8%	5 Deutsche Securities	5.6%	6	5.3%	n/a	3.3%
6	Ziyad Joosub	HSBC Securities	4.1%	6	5.7%	n/a	4.5%	6 HSBC Securities	5.0%	5	6.7%	6	5.5%
n/a	Ruhan du Plessis	Avior Capital Markets	2.6%	n/a	2.9%	6	6.5%	n/a Avior Capital Markets	3.7%	n/a	4.2%	5	8.8%
	er of analysts who got one or more votes: 14			.,.				Number of firms who got one or more votes: 15		- 1, -			
	NAME AND DESCRIPTION	CEDIAL CLASS	0.1	D			D.C.	MARANITA	i				
	NANCIAL AND INDU	STRIAL SMALL	& ME	DIUM	MAR	KET CA	PCC						
ANA	LYSTS' RANKING							FIRMS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of	Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes	_	votes		votes	weighted	votes		votes
1	Sumil Seeraj. Marc Ter Mors. Magdel Neale	Standard Bank/SBG Securities	15.7%	1	16.4%	2	13.1%	1 Avior Capital Markets	14.6%	1	17.1%	1	13.2%
	and Munira Kharva	. , , , , , , , , , , , , , , , , , , ,		Ĩ		-				-		- 1	
2	Brent Madel	Renaissance Capital	11.3%	n/a	7.9%	n/a	8.0%	2 Standard Bank/SBG Securities	13.8%	3	14.3%	2	12.0%
		; ' ;				II/d		i i				1 1	
2	Anthony Clark	@SmallTalkDaily Research	11.3%	2	11.7%	1	15.1%	ļ ;	11.8%	2	16.5%	3	10.9%
4	Rowan Goeller. Fatima Laher and Sven	Macquarie Securities Group	10.9%	5	9.7%	3	11.6%	4 Absa Capital	10.0%	4	10.7%	4	9.3%
	Thordsen												
5	Christina Steyn and Jeandre Immelman	Absa Capital	10.7%	2	11.7%	5	10.1%	5 Renaissance Capital	9.3%	5	8.2%	n/a	7.0%
6	Roy Campbell. Michele Olivier. Elan Levy	RMB Morgan Stanley	10.5%	n/a	4.5%	6	8.5%	· ·	8.4%	6	7.4%	6	8.5%
U		Turio Morgan Stanley	10.576	II/d	4.576	0	0.5 /6	i macquarie Securities Gloup	0.470	Ü	7.4 /0	U U	0.576
_	and Vikhyat Sharma	A. day Ozada 114	40.50		40.70		10.00	TA DADA	0.404	,	4 407		0.004
6	Mpho Mokotso	Avior Capital Markets	10.5%	4	10.7%	4	10.6%	n/a RMB Morgan Stanley	8.1%	n/a	4.4%	5	8.9%
n/a	Shamil Ismail	Primaresearch	4.9%	6	9.5%	n/a	4.5%						
Numb	er of analysts who got one or more votes: 18							Number of firms who got one or more votes: 17					

REAL ESTATE ANALYSTS' RANKING							FIRI	MS' RANKING					
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% V0
Nazeem Samsodien and Mahir Hamdulay	Macquarie Securities Group	21.9%	weighted 2	22.3%	2	21.3%		Standard Bank/SBG Securities	21.7%	weighted 1	23.4%	1	21
Bandile Zondo and Mweisho Nene	Standard Bank/SBG Securities	21.6%	1	23.2%	1		2	Macquarie Securities Group	21.7%	2	22.2%	2	21
Wynand Smit. Rael Colley and Pranita Daya	1	16.1%	3	17.7%	1		3	Anchor Stockbrokers	14.4%	2	15.5%	7	1
Daniel King and Imdaad Nana	Avior Capital Markets	8.9%	5	8.3%	3	14.4%		Argaam Capital	9.7%	3	10.8%	4	1
· ·	1 1		4		5			4 1 1		4	-	4	1
Kyle Rollinson	Arqaam Capital	8.7%	'	9.8%	ŭ		5	Avior Capital Markets	9.1%	5 ,	10.4%	3	
Bart Gysens and Michele Olivier	RMB Morgan Stanley	6.6%	n/a	3.8%	6		6	RMB Morgan Stanley	6.0%	n/a	3.4%	6	
A Ridwaan Loonat mber of analysts who got one or more votes: 14	Nedgroup Securities	4.3%	6	5.4%	n/a	2.7%		Nedgroup Securities ber of firms who got one or more votes: 16	4.4%	6	4.8%	n/a	
AFRICA NONEQUITIES	RESEARCH (E)	KCL S	A)				1						
NALYSTS' RANKING		0/ . f	A111A	0/ . f		0/ . f		MS' RANKING	0/ . 6	A1114	0/ . 6	Hamadala a	
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	١
David Cowan. Gina Schoeman and David Lubin	Citigroup Global Markets	22.6%	1	18.9%	2	17.1%	1	Renaissance Capital	24.1%	1	23.1%	1	
Yvonne Mhango	Renaissance Capital	19.3%	2	18.4%	1	18.9%	2	Standard Bank/SBG Securities	19.4%	2	18.7%	2	
Phumelele Mbiyo. Jibran Qureishi. Dmitry Shishkin. Fausio Mussa and Gbolahan Taiwo	Standard Bank/SBG Securities	16.7%	3	17.4%	3	16.2%	3	Citigroup Global Markets	17.6%	3	15.6%	3	
Mohamed Abu Basha	EFG Hermes	9.6%	6	8.7%	5	9.9%	4	EFG Hermes	13.4%	4	13.2%	4	
Neville Mandimika	Rand Merchant Bank	9.5%	5	9.0%	1		5	Absa Capital	6.2%	5	6.7%	5	
Ridle Markus. Sam Singh and Emily	Absa Capital	8.5%	Δ	9.5%	5		6	Rand Merchant Bank	4.8%	n/a	5.6%	6	
Chimpanzi	Арза Сарнаі	0.0 /0	4	3.3 /0	0	3.3 /0	10	Rana Merchant Dank	4.0 /0	11/4	J.U /o	U	
mber of analysts who got one or more votes: 10								NKC ber of firms who got one or more votes: 13	2.9%	6	5.8%	n/a	
AFRICAN EQUITIES (E	XCL SA)												
valysts' ranking	AGE CA/						TFIRI	MS' RANKING					
Weighted by commission		% of	AUM	% of	Unweighted	% of	_	Weighted by commission	% of	AUM	% of	Unweighted	
3,		votes	weighted	votes	.	votes		, , , , , , , , , , , , , , , , , , , ,	votes	weighted	votes	g	١
EFG Hermes Research Team	EFG Hermes	28.3%	1	29.8%	1	27.9%	1	EFG Hermes	25.2%	1	26.6%	1	7
Dayo Ayeni. Temi Aduroja and Ola	Renaissance Capital	19.7%	2	20.3%	2	19.2%	2	Renaissance Capital	19.6%	3	19.7%	3	
Ogunsanya	'						1	'					
Efemena Esalomi. Kuria Kamau and Gregory Waweru	Standard Bank/SBG Securities	17.7%	3	17.6%	3	18.3%	3	Standard Bank/SBG Securities	19.0%	2	20.4%	2	7
Andrew Howell	Citigroup Global Markets	9.4%	5	8.2%	5	6.7%	4	Citigroup Global Markets	11.8%	4	10.9%	4	
Jaap Meijer	Arqaam Capital	8.9%	4	10.7%	4	10.6%	5	Argaam Capital	7.7%	5	9.3%	5	
Craig Metherell. Ross Hindle and Gari Chigwedere	Avior Capital Markets	4.5%	6	3.1%	6	3.8%	6	African Alliance Securities	3.7%	n/a	2.4%	6	
Timothy Wambu and Louise Pillay	Absa Capital	4.2%	n/a	2.5%	6	3.8%			3.5%	6	4.0%	6	
a Gbenga Sholotan	Rand Merchant Bank	3.5%	n/a	2.0%	6	3.8%	n/a	Rand Merchant Bank	3.1%	n/a	2.5%	6	
a David Cowan	Citigroup Global Markets	1.7%	6	3.1%	n/a	1.9%	İ						
mber of analysts who got one or more votes: 11							Numb	ber of firms who got one or more votes: 11					
COMMODITIES													
NALYSTS' RANKING							FIRI	MS' RANKING					
Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	V
Johann Pretorius. Steven Friedman. Kabelo	Renaissance Capital	16.9%	5	13.8%	2	15.2%		RMB Morgan Stanley	16.8%	1	18.6%	2	1

Susan Bates. Christopher Nicholson. Brian RMB Morgan Stanley Morgan and Menno Sanderse

Adrian Hammond and Marcus Garvey Tom Price. Matt Turner. Vikas Dwivedi.

Johann Steyn. Ephrem Ravi and Team

Yatish Chowthee and Gerhard Engelbrecht Ed Morse. Max Layton. Heath Jansen.

Thabang Thlaku. Tim Clark. Leroy Mnguni. Standard Bank/SBG Securities

Macquarie Securities Group

Citigroup Global Markets

UBS SA

UBS SA

16.2%

14.6%

13.6%

12.7%

4.4%

4.0%

1 16.6%

3

n/a

14.5%

15.7%

14.1%

5.3%

3.7%

15.2% 2

16.3% 3

9.9% 5

4.1% 6

13.5%

1

n/a

6 5.5% Renaissance Capital

UBS SA

Standard Bank/SBG Securities

Macquarie Securities Group

Citigroup Global Markets

of firms who got one or more votes: 16

15.4%

14.3%

13.2%

12.4%

11.6%

2

3

6

Glyn Lawcock

Number of analysts who got one or more votes: 20

n/a Myles Allsop

5 11.5%

1

6 8.8%

17.0%

11.8%

12.9%

12.0%

13.1%

15.0%

14.2%

6

4 13.7%

Value Valu	<u>E1</u>	NVIRONMENTAL.	SOCIAL AND CO	RPO	RATE (OVE	RNANC	<u>E</u>							
Value Part Value	ANA			0/ /		0/ 6		۰, ۰	_				0/ 6		24
March Holgan March Barn		Weighted by commission					Unweighted			Weighted by commission	1 1			Unweighted	% of
Mar record Sam or Sam of Sam o	l		Legae Securities		-		1		1	Legae Securities	: :	weighted 1		1	23.1%
Description brough Enderland Marca Specification Story	2	Mark Hodgson. Warwick Bam	Avior Capital Markets	24.9%	2	26.8%	2	25.0%	2	Avior Capital Markets	23.1%	2	25.3%	2	22.2%
Character and Store Burel Anguan Capital 6.9% 6.9% 6.40% 6.50% 6	}	Dominique Laroque. Bulelwa	Integram Research	13.3%	3	14.6%	3	11.1%	3	Integram Research	14.2%	3	15.9%	3	12.9%
Shamithamia	,	Chiumie and Steve Burrell	A O ital	C 00/	- -	2.00/	4	C 00/		Oiking on Olahal Madata	700/	4	700/	-	Γ.00
District Russer	4	• '				:	1				: :	1			5.89
Section All Holds All Ho	5				- :		1				: :			· •	3.69
Respect Absorption Absorp	ŝ		1		1	1				1 1	:	1		· •	5.3%
	ŝ	•					n/a			<u> </u>	1				6.79
March Marc	o Numbi	•	Absa Capital	4.3%	4	5.1%	4	6.0%		· ·	3.3%	n/a	4.1%	5	5.89
March Marc	CI	DEDIT ANALYSIS				•	•				•				
Peter allows and Kale Rushton And Merchant Bank 77.4% 1 36.4% 3 23.5% 3 20.5% 2 26.5% 2									FIRI	MS' RANKING					
Elema Nova and Kate Russhom Rand Membras Bank 224% 1 239% 1 239% 1 239% 1 239% 2 235% 2 236% 2 236% 3 219% 3 200% 2 256% 2 2 256% 2 2 2 2 2 2 2 2 2		Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of		% of	Unweighted	% o
Assa Capital Assa					weighted					:		weighted			votes
Manageme Robyn MacLeman and Steffer Kirel	l		Rand Merchant Bank		1	28.4%	1	23.9%	1	Rand Merchant Bank	28.9%	1	29.3%	1	27.0%
Stefan (Note Rene Phinstop and Perus Dosman Dosma	2		Absa Capital	22.3%	3	21.1%	3	20.0%	2	Standard Bank/SBG Securities	22.4%	2	26.8%	2	24.69
Rene Privation and Petrus Avior Capital Markets 15.2% 4 13.0% 4 11.7% 4 Avior Capital Markets 15.9% 4 13.2% 4 13.0% 4 11.7% 4 Avior Capital Markets 15.9% 4 13.2% 4 13.0% 5 12.8% 6 9.3% 5 Nedgroup Securities 5.6% 5 8.3% 5 Nedgroup Securities 5.6% 6 2.3% 1 2.4% 2 1.4% 2	3		Standard Bank/SBG Securities	19.7%	2	24.1%	2	20.5%	3	Absa Capital	21.1%	3	19.4%	3	17.5%
Done Gordo and Nihulleng Niedgroup Securities 76% 5 8.7% 6 9.3% 5 Nedgroup Securities 5.6% 5 8.3% 5 Nedgroup Securities 5.6% 6 2.3% 1 Nedgroup Securities 5.6%	4	:	Avior Capital Markets	15.2%	4	13.0%	4	11.7%	4	Avior Capital Markets	15.9%	4	13.2%	4	15.2%
Min Dail, James Lord and Simon Waever Simon Wae	5	Jones Gondo and Nthulleng	Nedgroup Securities	7.6%	5	8.7%	6	9.3%	5	Nedgroup Securities	5.6%	5	8.3%	5	6.2%
Number of Imms who gat one or more vales? Number of Imms who g	ŝ	Min Dai. James Lord and	RMB Morgan Stanley	5.6%	6	4.0%	5	11.2%	6	RMB Morgan Stanley	3.8%	6	2.3%	5	6.2%
NaLYSTS RANKING Weighted by commission W	Numb	:							Numb	er of firms who got one or more votes: 7					
NaLYSTS RANKING Weighted by commission W	ח	EDIVATIVES													
Emlyn Flint, Florence Chikurunhe Anthony, Seymour and Samantha Jones Legae Peresec 23.7% 1 32.0% 2 19.2% 1 Avior Capital Markets 23.6% 2 25.2% 1 32.0% 2 19.2% 1 Avior Capital Markets 23.6% 2 25.2% 1 32.0% 2 19.2% 1 Avior Capital Markets 23.6% 2 25.2% 1 32.0% 2 32.0% 3 3									FIRI	MS' RANKING					
Emlyn Flint. Florence Chiku- truthe Anthony Seymour and Samantha Jones Petrus Bosman Shivaan Gu- trayah and Mark Sarembook Avisor Capital Markets 19.3% 2 15.3% 1 24.7% 2 Legae Peresec 18.9% 1 25.7% 3		Weighted by commission					Unweighted			Weighted by commission	1 1			Unweighted	% of votes
Petrus Bosman. Shiwaan Gurayah and Mark Sarembook Prescient Securities 15.1% 3 13.4% 3 13.7% 3 13.7% 3 13.7% 4 11.6% 4 4 4 4 4 4 4 4 4	l	runhe. Anthony Seymour and	Legae Peresec				2		1	Avior Capital Markets		2		1	29.6%
Chris Craddock	2	Petrus Bosman. Shivaan Gu-	Avior Capital Markets	19.3%	2	15.3%	1	24.7%	2	Legae Peresec	18.9%	1	25.7%	3	15.8%
Constellation Capital Team Logan Neels. Mpho Mokgoro Logan Neels. Mpho Mokgoro and Sasha Kangleas A Downstream Saha Kangleas A B Saha	3	Chris Craddock	Prescient Securities	15.1%	3	13.4%	3	13.7%	3	Prescient Securities	15.3%	4	11.6%	4	13.3%
Constellation Capital Team Logan Neels. Mpho Mokgoro Logan Neels. Mpho Mokgoro and Sasha Kangleas A Downstream Saha Kangleas A B Saha	4	Aveshen Pillay	UBS SA	12.0%	5	9.4%	5	13.2%	4	UBS SA	14.6%	3	13.3%	2	16.3%
Logan Neels . Mpho Mokgoro and Sasha Kangleas / Odwa Sihlobo / Prescient Securities 4.6% n/a 3.9% 6 2.7% n/a Rand Merchant Bank 3.5% n/a 4.9% 6 7.5% n/a 4.9% 1.0%	5	Constellation Capital Team	Constellation Capital	10.1%	4	10.5%	3	13.7%	5	Constellation Capital	9.9%	5	9.5%	5	12.29
As Odwa Sihlobo Interview of Imms who got one or more votes: 13 Prescient Securities 4.6% n/a 3.9% 6 2.7% n/a Rand Merchant Bank Number of Imms who got one or more votes: 10 FIRMS' RANKING Weighted by commission Weighted by commission Walter de Wet and Reezwana Nedgroup Securities Nedgroup Securities 19.0% 1 20.1% 2 15.0% 2 15.0% 2 Absa Capital Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus Roman Mary Curtis. Andrea Masia and Min Dai Elena Ilkova Rand Merchant Bank Nedgroup Securities 11.7% 4 10.1% 6 10.3% 4 Avior Capital Markets Rand Merchant Bank Rand Merchan	ŝ	Logan Neels . Mpho Mokgoro			6		n/a			<u>'</u>		6		n/a	3.6%
Mike Keenan		Odwa Sihlobo	Prescient Securities	4.6%	n/a	3.9%	6	2.7%			3.5%	n/a	4.9%	6	4.6%
NALYSTS' RANKING Weighted by commission Mike Keenan Absa Capital Nedgroup Securities Nedgroup Securities Nedgroup Securities 13.3% 14.7% 15.4% Avior Capital Markets Nedgroup Securities Nedgroup Securities 11.5% Avior Capital Markets 11.7% Avior Capital Markets									Ivallio	er or minis who got one or more votes. 10]				
Mike Keenan Absa Capital 19.2% 2 19.6% 2 15.0% 1 Nedgroup Securities 23.9% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 2 Absa Capital 20.4% 2 23.3% 3 25.7% 2 Absa Capital 20.4% 2 23.3% 3 25.7% 3 25.7% 3 25.7% 3 25.7% 4			ECURITIES						FIRI	MS' RANKING					
Mike Keenan Absa Capital 19.2% 2 19.6% 2 15.0% 1 Nedgroup Securities 23.9% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 1 25.7% 2 Absa Capital 20.4% 2 23.3% 3 25.7% 2 Absa Capital 20.4% 2 23.3% 3 25.7% 3 25.7% 3 25.7% 3 25.7% 4	ANA			% of	AUM	% of	Unweighted	% of	"		% of	AUM	% of	Unweighted	% 0
Mike Keenan Absa Capital 19.2% 2 19.6% 2 15.0% 1 Nedgroup Securities 23.9% 1 25.7% 1 2	ANA				: :		•							•	votes
Sumad Neels Heyneke and Mehul Nedgroup Securities 13.3% 3 14.7% 1 15.4% 3 Rand Merchant Bank 15.0% 3 15.8% 2 15.4% 1 15.4% 3 Rand Merchant Bank 15.0% 3 15.8% 2 15.4%	ANA	Trongittod by commission		votes	weighted	votes			1	Modaroup Coourities	22.00/	1		4	
Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus Bosman Mary Curtis. Andrea Masia and Min Dai Elena Ilkova Rand Merchant Bank Standard Bank/SBG Securities 10.9% 10.9			Absa Capital		weighted 2		2	15.0%	Τ.	i Neugroup Securities	23.9%	1 }	25.7%	1 }	21.0%
Rene Prinsloo and Petrus Avior Capital Markets 11.7% 4 10.1% 6 10.3% 4 Avior Capital Markets 11.5% 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 5 8.6% 5 7 7 7 7 7 7 7 7 7	ANA L	Mike Keenan Walter de Wet and Reezwana		19.2%	2	19.6%	1				1	2		3	
Mary Curtis. Andrea Masia and Min Dai Elena Ilkova Rand Merchant Bank Standard Bank/SBG Securities 11.0% 4 11.7% 5 Standard Bank/SBG Securities 11.0% 4 11.7% 4 11.7% 6 RMB Morgan Stanley 10.9% 6 7.9% 6 7.9% 6 7.9% 7 Deutsche Securities 11.0%	L 2	Mike Keenan Walter de Wet and Reezwana Sumad Neels Heyneke and Mehul	Nedgroup Securities	19.2% 19.0%	2 1	19.6% 20.1%	2	15.0%	2	Absa Capital	20.4%		23.3%		16.5%
Elena Ilkova Rand Merchant Bank 8.0% 5 9.8% 6 10.3% 6 RMB Morgan Stanley 10.3% n/a 5.9% 6 6 6.5% n/a Elna Moolman Standard Bank/SBG Securities 6.7% 6 7.9% 4 11.7% n/a Deutsche Securities 5.6% 6 6.5% n/a	l	Mike Keenan Walter de Wet and Reezwana Sumad Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus	Nedgroup Securities Nedgroup Securities	19.2% 19.0% 13.3%	2 1 3	19.6% 20.1% 14.7%	2	15.0% 15.4%	3	Absa Capital Rand Merchant Bank	20.4% 15.0%	3	23.3% 15.8%	2	16.5% 16.9%
/a Elna Moolman Standard Bank/SBG Securities 6.7% 6 7.9% 4 11.7% n/a Deutsche Securities 5.6% 6 6.5% n/a	1 2	Mike Keenan Walter de Wet and Reezwana Sumad Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus Bosman Mary Curtis. Andrea Masia	Nedgroup Securities Nedgroup Securities Avior Capital Markets	19.2% 19.0% 13.3% 11.7%	2 1 3	19.6% 20.1% 14.7% 10.1%	2 1 6	15.0% 15.4% 10.3%	3 4	Absa Capital Rand Merchant Bank Avior Capital Markets	20.4% 15.0% 11.5%	3	23.3% 15.8% 8.6%	2	16.5% 16.9% 13.3%
	1 2 3 3 4	Mike Keenan Walter de Wet and Reezwana Sumad Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus Bosman Mary Curtis. Andrea Masia and Min Dai	Nedgroup Securities Nedgroup Securities Avior Capital Markets RMB Morgan Stanley	19.2% 19.0% 13.3% 11.7% 10.9%	2 1 3 4 n/a	19.6% 20.1% 14.7% 10.1% 6.3%	2 1 6	15.0% 15.4% 10.3% 11.7%	2 3 4 5	Absa Capital Rand Merchant Bank Avior Capital Markets Standard Bank/SBG Securities	20.4% 15.0% 11.5%	5	23.3% 15.8% 8.6% 11.7%	5	16.5% 16.9% 13.3% 15.7%
umber of analysts who got one or more votes: 11 Number of firms who got one or more votes: 9	1 2 3 3 4 4 5	Mike Keenan Walter de Wet and Reezwana Sumad Neels Heyneke and Mehul Daya Rene Prinsloo and Petrus Bosman Mary Curtis. Andrea Masia and Min Dai Elena Ilkova	Nedgroup Securities Nedgroup Securities Avior Capital Markets RMB Morgan Stanley Rand Merchant Bank	19.2% 19.0% 13.3% 11.7% 10.9% 8.0%	2 1 3 4 n/a	19.6% 20.1% 14.7% 10.1% 6.3%	2 1 6	15.0% 15.4% 10.3% 11.7% 10.3%	2 3 4 5	Absa Capital Rand Merchant Bank Avior Capital Markets Standard Bank/SBG Securities RMB Morgan Stanley	20.4% 15.0% 11.5% 11.0%	3 5 4 n/a	23.3% 15.8% 8.6% 11.7% 5.9%	5	21.0% 16.5% 16.9% 13.3% 15.7% 8.9% 4.8%

ANA	LYSTS' RANKING							FIRA	MS' RANKING					
	Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% of votes
	Mary Curtis. Chris Nicholson. Brian Morgan. Vikhyat Sharma. Michele Olivier. Roy Campbell. Elan Levy and Sean Holmes	RMB Morgan Stanley	14.3%	1	15.8%	1	10.8%	1	RMB Morgan Stanley	14.9%	1	16.8%	2	11.7%
2	Neels Heyneke and Mehul Daya	Nedgroup Securities	12.2%	2	12.5%	2	9.5%	2	Standard Bank/SBG Securities	13.2%	2	14.2%	1	14.6%
3	Nico Katzke	Prescient Securities	8.8%	4	7.8%	4	6.8%	3	Prescient Securities	10.6%	n/a	8.5%	n/a	8.0%
4	Odwa Sihlobo	Prescient Securities	8.3%	5	7.2%	3	7.4%	4	Nedgroup Securities	9.9%	3	9.2%	n/a	4.4%
5	Deanne Gordon and Adele Fermoyle	Standard Bank/SBG Securities	7.2%	3	8.6%	5	6.1%	5	Avior Capital Markets	9.1%	5	8.9%	4	10.9%
5	Avior Team	Avior Capital Markets	7.2%	6	5.8%	5	6.1%	6	Absa Capital	8.9%	3	9.2%	2	11.7%
n/a	Shamil Ismail	Primaresearch	6.0%	n/a	3.6%	5	6.1%	n/a	Primaresearch	8.2%	n/a	6.6%	5	9.5%
								n/a	Arqaam Capital	7.5%	5	8.9%	5	9.5%
Numbe	r of analysts who got one or more votes: 25							Numb	er of firms who got one or more votes: 15					

ECONOMIC ANALYSIS (DOMESTIC)

ANA	LYSTS' RANKING							FIRA	MS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes		votes			votes	weighted	votes		votes
1	Elna Moolman	Standard Bank/SBG Securities	28.1%	1	27.1%	1	27.2%	1	Standard Bank/SBG Securities	26.0%	1	25.1%	1	24.4%
2	Andrea Masia	RMB Morgan Stanley	17.5%	3	16.3%	3	15.6%	2	Absa Capital	17.8%	2	19.4%	2	19.7%
3	Peter Worthington and Miyelani	Absa Capital	16.7%	2	17.9%	2	17.3%	3	RMB Morgan Stanley	16.9%	3	16.3%	3	15.5%
	Maluleke													
4	Gina Schoeman	Citigroup Global Markets	12.6%	4	12.4%	4	10.0%	4	Citigroup Global Markets	13.8%	4	14.5%	4	9.7%
5	Danelee Masia	Deutsche Securities	5.4%	n/a	3.9%	5	5.1%	5	Deutsche Securities	4.6%	n/a	2.6%	n/a	3.6%
6	Sonja Keller	JPMorgan	4.6%	5	5.3%	n/a	3.8%	6	Noah Capital Markets	3.6%	n/a	4.0%	n/a	3.6%
n/a	Dr Azar Jammine	Noah Capital Markets	4.4%	6	4.9%	6	4.9%	6	JPMorgan	3.6%	5	4.5%	n/a	3.3%
								n/a	Rand Merchant Bank	3.4%	6	4.3%	5	6.6%
								n/a	Nedgroup Securities	3.3%	n/a	3.8%	6	4.2%
Numb	er of analysts who got one or more votes: 16							Numb	er of firms who got one or more votes: 15				İ	

ECONOMIC ANALYSIS (INTERNATIONAL)

ANA	ALYSTS' RANKING							FIRA	MS' RANKING					
	Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% of votes
1	Mary Curtis. Ian Doyle. Jonathan Garner. Andrea Masia and Jacob Nell	RMB Morgan Stanley	21.3%	1	20.5%	1	21.1%		RMB Morgan Stanley	22.0%	1	20.5%	1	21.7%
2	Willem Buiter. David Lubin. David Cowan and Tina Fordham	Citigroup Global Markets	14.9%	2	15.1%	2	10.0%	2	Citigroup Global Markets	15.9%	2	16.3%	3	10.3%
3	Steven Barrow and Jeremy Stevens	Standard Bank/SBG Securities	6.7%	3	7.4%	4	6.9%	3	JPMorgan	11.0%	3	14.5%	2	11.0%
4	Geoff Dennis	UBS SA	6.3%	n/a	4.4%	4	6.9%	4	UBS SA	9.6%	5	7.9%	6	7.6%
5	Jim Reid	Deutsche Securities	6.2%	n/a	4.2%	4	6.9%	5	HSBC Securities	9.3%	4	11.7%	n/a	4.8%
6	Gyorgy Kovacs	UBS SA	5.1%	4	5.7%	n/a	3.5%	6	Deutsche Securities	7.6%	6	4.9%	5	7.9%
n/a	Neels Heyneke and Mehul Daya	Nedgroup Securities	4.9%	5	5.4%	n/a	4.2%	n/a	Absa Capital	4.4%	n/a	3.8%	4	9.7%
n/a	Peter Worthington	Absa Capital	4.5%	n/a	3.6%	3	8.3%							
n/a	Bruce Kasman and Team	JPMorgan	2.7%	6	4.8%	n/a	3.5%							
Numb	per of analysts who got one or more votes: 25							Numb	er of firms who got one or more votes: 6					

INVESTMENT STRATEGY

ANA	LYSTS' RANKING							FIR <i>I</i>	MS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes		votes			votes	weighted	votes		votes
1	Mary Curtis	RMB Morgan Stanley	28.4%	1	27.5%	1	26.2%	1	RMB Morgan Stanley	27.1%	1	26.0%	2	22.8%
2	Deanne Gordon and Adele Fermoyle	Standard Bank/SBG Securities	24.0%	2	23.5%	2	22.1%	2	Standard Bank/SBG Securities	25.1%	2	25.4%	1	24.9%
3	Neels Heyneke and Mehul Daya	Nedgroup Securities	10.2%	3	11.8%	4	8.0%	3	Nedgroup Securities	9.2%	4	10.2%	3	5.6%
4	Robert Buckland. Markus Rosgen	Citigroup Global Markets	7.2%	4	7.9%	5	6.5%	4	Bank of America Merrill Lynch	8.2%	3	11.1%	4	4.9%
	and Matt King													
5	John Morris and Nadeem Dawood	Bank of America Merrill Lynch	6.3%	5	7.3%	n/a	3.0%	5	Citigroup Global Markets	6.7%	5	7.0%	n/a	4.6%
6	Ayan Ghosh	Avior Capital Markets	4.6%	6	4.3%	3	8.4%	6	UBS SA	3.8%	n/a	1.7%	4	4.9%
n/a	Mislav Matejka. John Normand and	JPMorgan	3.1%	n/a	3.2%	6	3.8%	n/a	JPMorgan	3.4%	n/a	3.5%	4	4.9%
	David Aserkoff													
								n/a	Macquarie Securities Group	2.8%	6	3.6%	n/a	3.5%
								n/a	Avior Capital Markets	2.3%	n/a	1.8%	4	4.9%
Numb	er of analysts who got one or more votes: 22							Numb	er of firms who got one or more votes: 18					

NAL	'STS' RANKING							FIRI	MS' RANKING					
	Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% of votes
1	Simon Freemantle	Standard Bank/SBG Securities	31.2%	1	28.5%	1	33.2%	1	Standard Bank/SBG Securities	31.4%	1	30.9%	1	34.1%
2	Stephen Friedman	Noah Capital Markets	12.9%	2	16.0%	2	13.0%	2	Noah Capital Markets	14.3%	2	18.1%	2	13.3%
3	Gina Schoeman	Citigroup Global Markets	9.2%	6	7.7%	6	7.0%	3	Lefika Securities	11.1%	3	12.2%	2	13.3%
	Andrea Masia. Ian Doyle and Mary Curtis	RMB Morgan Stanley	8.1%	5	7.8%	5	8.0%	4	Absa Capital	8.0%	4	8.5%	4	10.6%
5	Melanie Verwoerd	Noah Capital Markets	7.8%	3	9.1%	n/a	3.7%	5	RMB Morgan Stanley	7.6%	n/a	4.9%	5	6.3%
6	Aubrey Matshiqi	Lefika Securities	7.3%	4	8.2%	4	8.3%	6	Citigroup Global Markets	6.1%	n/a	4.7%	6	4.3%
n/a	Peter Worthington	Absa Capital	7.3%	n/a	7.0%	3	9.0%	n/a	Nedgroup Securities	4.6%	5	5.6%	n/a	2.0%
								n/a	n/a	4.6%	5	5.6%	n/a	2.0%
Number	of analysts who got one or more votes: 17							Numb	per of firms who got one or more votes: 17		Ī			

QUANTITATIVE ANALYSIS

ANA	alysts' ranking							FIRM	AS' RANKING					
	Weighted by commission		% of	AUM	% of	Unweighted	% of		Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes		votes			votes	weighted	votes		votes
1	Emlyn Flint. Florence Chikurunhe.	Legae Peresec	20.0%	2	17.5%	4	11.9%	1	Legae Peresec	24.2%	2	21.1%	3	17.6%
	Anthony Seymour and Samantha													
	Jones													
2	Josiah Rudolph and Gurvinder Brar	Macquarie Securities Group	18.7%	1	21.7%	1	17.6%	2	Prescient Securities	23.2%	1	22.2%	1	18.7%
3	Nico Katzke	Prescient Securities	14.9%	4	14.8%	3	12.5%	3	Macquarie Securities Group	16.5%	3	19.1%	4	13.7%
4	Warrick Erlank. Petrus Bosman and	Avior Capital Markets	13.6%	3	15.1%	2	15.3%	4	Avior Capital Markets	15.2%	4	15.9%	2	18.1%
	Mark Sarembock								'					
5	Odwa Sihlobo	Prescient Securities	13.5%	5	12.7%	5	10.8%	5	Citigroup Global Markets	6.0%	5	7.1%	6	6.0%
6	Logan Neels, Mpho Mokgoro and	Mergence Africa Capital	5.0%	6	5.2%	n/a	3.4%	6	Mergence Africa Capital	4.1%	6	4.0%	n/a	1.6%
	Sasha Kangleas								,				·	
n/a	Deanne Gordon and Adele Fermoyle	Standard Bank/SBG Securities	1.9%	n/a	1.9%	6	8.0%	n/a	Standard Bank/SBG Securities	3.0%	n/a	3.0%	5	9.9%
Numb	per of analysts who got one or more votes: 15							Numbe	er of firms who got one or more votes: 14					

RISK MANAGEMENT

ANA	ALYSTS' RANKING							FIR	MS' RANKING					
	Weighted by commission		% of votes	AUM weighted	% of votes	Unweighted	% of votes		Weighted by commission	% of votes	AUM weighted	% of votes	Unweighted	% of votes
1	Petrus Bosman and Team	Avior Capital Markets	25.3%	1	27.5%	1	22.2%	1	Avior Capital Markets	29.8%	1	30.7%	1	25.0%
2	Nico Katzke	Prescient Securities	18.4%	3	16.5%	4	10.1%	2	Prescient Securities	23.8%	3	20.9%	3	16.7%
3	Emlyn Flint. Florence Chikurunhe. Anthony Seymour and Samantha Jones	Legae Peresec	17.7%	2	22.7%	3	14.1%	3	Legae Peresec	18.8%	2	23.3%	4	14.4%
4	Odwa Sihlobo	Prescient Securities	12.9%	4	11.5%	5	7.1%	4	Constellation Capital	7.8%	4	6.5%	n/a	3.0%
5	Charlotte van Tiddens	Prescient Securities	10.1%	5	7.7%	n/a	6.1%	5	Standard Bank/SBG Securities	6.8%	6	5.9%	2	17.4%
6	Deanne Gordon and Adele Fermoyle	Standard Bank/SBG Securities	5.3%	6	4.5%	2	17.2%	6	UBS SA	6.3%	4	6.5%	6	5.3%
n/a	Mary Curtis and Jonathan Garner	RMB Morgan Stanley	2.5%	n/a	1.9%	5	7.1%	n/a	RMB Morgan Stanley	4.0%	n/a	3.4%	5	9.8%
Numb	per of analysts who got one or more votes: 12					1		Numb	per of firms who got one or more votes: 9					

TECHNICAL ANALYSIS

ANA	LYSTS' RANKING								ns' ranking					
	Weighted by commission		% of	AUM	% of	Unweighted	% of	'	Weighted by commission	% of	AUM	% of	Unweighted	% of
			votes	weighted	votes	_	votes			votes	weighted	votes		votes
1	Neels Heyneke and Mehul Daya	Nedgroup Securities	39.0%	1	40.8%	1	35.4%	1	Nedgroup Securities	36.7%	1	37.9%	1	30.8%
2	Tricia Lunenburg	Legae Securities	18.0%	3	14.1%	3	14.6%	2	Legae Securities	17.0%	3	14.2%	3	11.3%
3	Judy Padayachee	Absa Capital	13.8%	2	14.4%	2	19.0%	3	Absa Capital	13.5%	2	15.0%	2	17.0%
4	Colin Aylward. Ian Doyle and	RMB Morgan Stanley	7.9%	4	8.1%	6	5.1%	4	RMB Morgan Stanley	9.6%	4	9.2%	6	6.3%
	Mary Curtis													
5	Steve Arnold	Investec Securities	6.4%	n/a	6.3%	n/a	3.2%	5	Standard Bank/SBG Securities	9.4%	5	9.1%	3	11.3%
5	Garth Mackenzie and Andrew Todd	Standard Bank/SBG Securities	6.4%	6	6.8%	5	7.0%	6	Lefika Securities	6.8%	6	7.5%	5	10.7%
n/a	Costa Perdikis	Lefika Securities	6.1%	5	7.4%	4	10.8%							
Numb	er of analysts who got one or more votes: 9							Numbe	r of firms who got one or more votes: 10					

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