

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
The Star	Independent Newspapers	Daily	Thursday	30/08/18	News	Hot weather may encourage participation in climate talks	Reuters/ANA	UN IPCC, Reuters
The Star	Independent Newspapers	Daily	Monday	01/10/18	News	Harvesting horn hurts not only rhino	Jason Gilchrist	TRAFFIC
The Star	Independent Newspapers	Daily	Monday	01/10/18	Business	Killer whales raiding lines	Lisa Isaacs	ICES Journal of Marine Science
The Star	Independent Newspapers	Daily	Monday	01/10/18	Metro	Vaccine trial has promise	Lisa Isaacs	SATVI
The Star	Independent Newspapers	Daily	Thursday	02/08/18	Main Body	SANParks monitors sewage spill	Lisa Isaacs	Original based on lead
The Star	Independent Newspapers	Daily	Thursday	02/08/18	Business	Blue diamonds get hue from sea floor	Will Dunham	Reuters
The Star	Independent Newspapers	Daily	Thursday	02/08/18	Main Body	Women on mission to raise eco-awareness	Staff Reporter	Original based on lead
The Star	Independent Newspapers	Daily	Tuesday	02/10/18	Opinion	Poaching: are we running out of rhinos?	Janine Avery	Original
The Star	Independent Newspapers	Daily	Tuesday	02/10/18	Opinion	Science, technology and innovation - key catalysts for growth	Mmamoloko Kubayi-Ngubane	DST
The Star	Independent Newspapers	Daily	Tuesday	04/09/18	News	Pair of AI cubs make history	ANA	Original based on lead
The Star	Independent Newspapers	Daily	Monday	06/08/18	Consumer	Plastics: Are we putting our kids at risk?	Georgina Crouth	Original based on lead
The Star	Independent Newspapers	Daily	Thursday	06/09/18	Metro	Potential Alzheimer's advance	Staff Reporter	Original based on lead
The Star	Independent Newspapers	Daily	Tuesday	09/10/18	Metro	Eat less meat to save the world	None	UN IPCC, Daily Mail UK
The Star	Independent Newspapers	Daily	Tuesday	09/10/18	Metro	IVF can help couple choose baby's sex	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Tuesday	09/10/18	Metro	UN sets climate change goals	None	UN IPCC via Bloomberg
The Star	Independent Newspapers	Daily	Tuesday	09/10/18	News	Water is key for human survival	Ike Motsapi and Khulekani Ngcobo	Original
The Star	Independent Newspapers	Daily	Friday	10/08/18	News	Pillay keeps his job amid calls for more women in STEM	Tebogo Monama	Original based on lead
The Star	Independent Newspapers	Daily	Monday	10/09/18	World	How ancient farmers changed Earth's climate	None	Original based on lead - IANS/ANA
The Star	Independent Newspapers	Daily	Monday	10/09/18	World	EU to back gas reduction target	None	Reuters, ANA
The Star	Independent Newspapers	Daily	Friday	14/09/18	World	Hashtag-like drawing dated 73000 years old	Malcom Ritter AP/ANA	Original based on lead
The Star	Independent Newspapers	Daily	Friday	14/09/18	Business	Commission for climate change	Thomson Reuters Foundation	IPCC
The Star	Independent Newspapers	Daily	Wednesday	15/08/18	News	Cooler hottest mission by NASA	Marcia Dunn	AP, ANA
The Star	Independent Newspapers	Daily	Wednesday	15/08/18	News	Council blamed for sewage spillage into Vaal River	Sibongile Mashaba	Save the Vaal Environment
The Star	Independent Newspapers	Daily	Tuesday	16/10/18	Business	Beer's barley under threat	None	Reuters
The Star	Independent Newspapers	Daily	Tuesday	16/10/18	Business	Babies later in life	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Tuesday	16/10/18	Business	Caffeine good for sperm	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Tuesday	16/10/18	Business	Olive oil price set to soar	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Monday	18/09/18	News	Sperm surgery results in first pregnancy in SA	Staff Reporter	Original based on lead
The Star	Independent Newspapers	Daily	Monday	18/10/18	Metro	Sweetener risks	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Monday	18/10/18	Metro	Diabetes and diagnosis	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Friday	19/10/18	Metro	What your hands could say	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Friday	19/10/18	Metro	Supplements a waste and a risk	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Friday	19/10/18	Metro	Take a nap	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Friday	19/10/18	Metro	Test to take after suffering from a stroke	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Tuesday	20/08/18	Inside	Make an informed decision when using cannabis: benefits unproven	Abdul Kader Domingo	SA Society of Psychiatrists
The Star	Independent Newspapers	Daily	Tuesday	20/08/18	Consumer	Are we poisoning our kids?	None	Reuters
The Star	Independent Newspapers	Daily	Friday	21/09/18	News	Endangered species numbers boosted	None	Ezemvelo KZN Wildlife lead
The Star	Independent Newspapers	Daily	Monday	22/10/18	Consumer	How would you like some Viagra in your daily fix?	Georgina Crouth	Original based on lead
The Star	Independent Newspapers	Daily	Monday	22/10/18	News	It's a waste mountain to climb	Inna Lazareva	Thomson Reuters Foundation, ANA
The Star	Independent Newspapers	Daily	Tuesday	23/10/18	News	Listeriosis still found in products	Kailene Pillay	Original based on lead from University
The Star	Independent Newspapers	Daily	Tuesday	23/10/18	World	It's a dog's life for chocolate labs	None	DAP, ANA
The Star	Independent Newspapers	Daily	Wednesday	24/10/18	Metro	Micro plastics found in marine life, food	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Wednesday	24/10/18	World	Scientists find micro plastics in human stool for the first time	None	DAP, ANA
The Star	Independent Newspapers	Daily	Wednesday	24/10/18	News	African penguins are in trouble	Thobeka Ngema	Original based on lead
The Star	Independent Newspapers	Daily	Tuesday	25/09/18	News	Yoshi to cross path with friend	Lisa Isaacs	Original based on lead from Two Oceans
The Star	Independent Newspapers	Daily	Tuesday	25/09/18	News	Genetic hopes flicker for rhino	Anelisa Kubheka	Ezemvelo KZN Wildlife
The Star	Independent Newspapers	Daily	Thursday	25/10/18	Life	Safari with a purpose	Staff Reporter	Original based on lead from Brave-Sing
The Star	Independent Newspapers	Daily	Thursday	25/10/18	Life	All set for HIV trials	Lisa Isaacs	Original based on lead
The Star	Independent Newspapers	Daily	Thursday	25/10/18	Metro	Cancer: Statins and Cancer and Being tall a risk for cancer	None	Daily Mail, UK

The Star	Independent Newspapers	Daily	Wednesday	26/09/18	News	Fears of health effects of dagga	Tebogo Monama	SA Society of Psychiatrists
The Star	Independent Newspapers	Daily	Friday	26/10/18	Opinion	A twist on rhino poaching	Denis Beckett	Original
The Star	Independent Newspapers	Daily	Thursday	27/09/18	News	Dagga may harm mental health	Zodidi Dano	SA Society of Psychiatrists
The Star	Independent Newspapers	Daily	Thursday	27/09/18	News	Botswana's elephant poaching crisis under scrutiny	Louise de Waal	Elephants without Borders, The Conve
The Star	Independent Newspapers	Daily	Thursday	27/09/18	News	Caves turned into treasures	Lisa Isaacs	Original based on lead from Mayor
The Star	Independent Newspapers	Daily	Tuesday	28/09/18	Business	Future is renewable energy	Kabelo Khumalo	Original
The Star	Independent Newspapers	Daily	Tuesday	28/09/18	Business	Expert in nuclear energy blasts IRP	Luyolo Mkentane	SA Nuclear Energy Association
The Star	Independent Newspapers	Daily	Wednesday	29/08/18	Opinion	Men more successful on diets	None	Daily Mail, UK
The Star	Independent Newspapers	Daily	Wednesday	29/08/18	News	Could babies go to pot on your milk?	Prof. Christina Chambers and Dr Seth Ar	AP, ANA
The Star	Independent Newspapers	Daily	Wednesday	29/08/18	News	First Black woman with own DNA test lab reveals all	Noor Sallam	GENEdiagnostics

Source Type	Theme	Topic	Summary
News wire	Environment and Ecology	Climate change	Hot weather may encourage better participation in climate talks
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	History and culture of people who use rhino horn
Original story or original based on lead	Zoology	Ocean Sciences	Whales can dive deeper than thought
Original story or original based on lead	Health Sciences	TB	New TB vaccine trial shows promise
Original story or original based on lead	Environment and Ecology	Conservation: Water	SANParks officials awaiting results of water quality tests after sewage spill
News wire	Earth Sciences	Diamonds	Research into 46 blue diamonds show they comprise of boron from the sea floor rock
Original story or original based on lead	Environment and Ecology	Conservation	Eco-conservationists travel to create awareness and educate people about conservation
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	NDEA report reveals shocking stats of number of rhino poached
Original story or original based on lead	Science and Technology	Policy	New White Paper will raise profile by instilling innovation, strengthening partnerships, creating partnerships
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Artificial insemination of a lion results in two cubs - world-first
Original story or original based on lead	Environment and Ecology	Conservation: 3Rs	Limit plastic use in the household especially pertaining to food
Original story or original based on lead	Health Sciences	Alzheimer's Disease	New nasal spray could help those suffering from Alzheimer's disease
International Newspaper	Environment and Ecology	Climate change	UN IPCC says eat less meat to save the world
International Newspaper	Health Sciences	Reproductive health	You can choose what sex baby to have by altering chromosomes in DNA
News wire	Environment and Ecology	Climate change	UN IPCC says you must reduce carbon waste to achieve climate goals
Original story or original based on lead	Environment and Ecology	Conservation: Water	Importance of water for survival
Original story or original based on lead	Science and Technology	Women in STEM	SAICE CEO who made sexist comments about women in engineering keeps his job
News wire	Environment and Ecology	Climate change	Ancient farming practices led to a rise in CO2 and methane gases in atmosphere
News wire	Environment and Ecology	Climate change	EU to back gas reduction target
Original story or original based on lead	Anthropology and Archaeology	Archaeology	Scientists find 73 000 year old drawing in cave near Cape Town
Original story or original based on lead	Environment and Ecology	Climate change	Launch of the Commission for climate change
News wire	Astronomy	Space Science	NASA sending the Parker probe within 6 million km of the sun
Original story or original based on lead	Environment and Ecology	Water pollution	SAVE gets court order forcing Emfuleni municipality to ensure that raw sewage stops flowing into the Vaal
News wire	Environment and Ecology	Climate change	Climate change will impact on barley yields and beer production in the future
International Newspaper	Health Sciences	Reproductive health	More women can have babies in their 50s and 60s
International Newspaper	Health Sciences	Reproductive health	Men who drink more coffee produce more sperm
International Newspaper	Environment and Ecology	Climate change	Climate change impacts on olive oil production
Original story or original based on lead	Health Sciences	Reproductive health	Extraction of sperm and implantation in partner
International Newspaper	Health Sciences	NCD	Sweeteners alter the bacteria in the gut and may not be a healthier alternative
International Newspaper	Health Sciences	NCD	Confusion between type 1 and type 2 diabetes results in it being misdiagnosed
International Newspaper	Health Sciences	Gender	Hands can identify whether people are more likely to be gay or not
International Newspaper	Health Sciences	Pharmacy	Nutritional supplements often not useful and can be harmful to two in three adults
International Newspaper	Health Sciences	Physiology	You think better after taking a nap
International Newspaper	Health Sciences	NCD	Do a test after stroke to determine your future health
Original story or original based on lead	Health Sciences	Cannabis	Benefits of cannabis still unproven
News wire	Health Sciences	Health risk	Glyphosate found in weed killers, cereals and snack bars
Original story or original based on lead	Zoology	Frogs	Endangered frog species bred in Joburg, sent to KZN
Original story or original based on lead	Health Sciences	Pharmaceuticals	Hidden ingredients in many drugs harmful for you
Original story or original based on lead	Environment and Ecology	Conservation: 3Rs	New recycling of plastic initiatives in Cameroon, Nigeria and other countries good but not enough
Original story or original based on lead	Health Sciences	Listeriosis	There is still listeriosis in some food products
News wire	Zoology	Dogs	Chocolate brown dogs have shorter lives than black and yellow Labradors
International Newspaper	Environment and Ecology	Conservation: 3Rs	Plastics found in marine animals
News wire	Environment and Ecology	Conservation: 3Rs	Micro plastics found in human stool for first time
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Penguins are increasingly being stranded on beaches in KZN
Original story or original based on lead	Zoology	Ocean Sciences	Turtle rehabilitated and left in the ocean, could meet a friend
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	New Cryovault being built to help save endangered species
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Run to raise R3 million to train women in conservation leadership roles
Original story or original based on lead	Health Sciences	HIV	New HVTN trials fully enrolled
International Newspaper	Health Sciences	NCD	Statins can put people at less risk for cancer, tall people at greater risk of cancer

Original story or original based on lead	Health Sciences	Cannabis	Cannabis can damage your brain over time
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Must develop rural communities in Limpopo to stop rhino poaching
Original story or original based on lead	Health Sciences	Cannabis	Dagga may impact on mental health
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Increase in elephant poaching highlighted by Elephants without Borders, decried by Ministry
Original story or original based on lead	Environment and Ecology	Conservation	Cango Caves rehabilitated and visitors can flock there
Original story or original based on lead	Energy	Renewable Energy	Renewable energy will play a great part in SA's energy mix going into the future
Original story or original based on lead	Energy	Nuclear energy	Chairman of the SA Nuclear Energy Corporation upset that nuclear is not integral to SA energy mix
International Newspaper	Health Sciences	NCD	Men are more successful on diets
News wire	Health Sciences	Cannabis	New study finds traces of marijuana in breast milk
Original story or original based on lead	Science and Technology	Women in STEM	First Black woman to own a DNA test lab - gender and science

Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorised	Power Elite
Poland	International	No	Yes	Yes	Factual	Factual	Yes
UK, SA, Asia	International	No	Yes	Yes	Informative	Factual	Yes
Canada, Australia, New Zealand	Glocal	No	Yes	Yes	Informative, educational, call to action	Factual	Yes
UK, Kenya, SA	Glocal	No	Yes	Yes	Informative, optimistic	Factual	Yes
George, Eastern Cape	Local	No	Yes	Yes	Alarming, call to action	Alarming	Yes
Global	International	No	No	Yes	Neutral, informative	Factual	Yes
SA and 3 surrounding countries	Local	No	Yes	Yes	Positive, hopeful, inspiring, empowering women	Inspirational	No
KNP, SA	Local	No	Yes	Yes	Alarming, informative, call to action	Alarming	Yes
South Africa	Local	No	Yes	Yes	Informative	Factual	Yes
Pretoria, Spain	Local	No	Yes	Yes	Factual, optimistic, inspirational	Factual	Yes
US, SA	Local	No	Yes	Yes	Alarming, call to action	Alarming	Yes
Johannesburg, world	Local	No	Yes	Yes	Factual, informative, inspiring	Factual	Yes
World	International	No	Yes	Yes	Informative, call to action	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
World	International	No	Yes	Yes	Informative, call to action	Factual	Yes
SA	Local	No	Yes	Yes	Informative, call to action	Factual	No
SA	Local	No	Yes	Yes	Informative	Factual	Yes
New York, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
Europe, World	International	No	Yes	Yes	Factual, informative, call to action	Factual	Yes
South Africa, New York	Local	No	Yes	Yes	Factual	Factual	Yes
Barcelona	International	No	Yes	Yes	Informative, persuasive	Factual	Yes
US	International	No	Yes	Yes	Inspirational, educational, informative	Inspirational	Yes
Vaal, SA	Local	No	Yes	Yes	Alarming, call to action	Alarming	Yes
World	International	No	Yes	Yes	Informative, distressing	Factual	Yes
US, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
Europe, World	International	No	Yes	Yes	Factual, informative	Factual	No
Cape Town, South Africa	Local	No	Yes	Yes	Informative, optimistic	Factual	Yes
Australia, UK	International	No	Yes	Yes	Informative, based on scientific research	Factual	Yes
UK	International	No	Yes	Yes	Informative, warning, factual	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
UK, World	International	No	Yes	Yes	Factual, informative	Factual	Yes
South Africa	Local	Yes	Yes	Yes	Factual, persuasive	Factual	Yes
International, US based	International	No	Yes	Yes	Factual, distressing	Factual	Yes
Jhb, KZN, SA	Local	No	Yes	Yes	Informative, optimistic	Factual	Yes
World	International	No	Yes	Yes	Informative, alarming, warning	Factual	Yes
Africa, OECD countries	International	No	Yes	Yes	Informative, alarming, warning but inspirational	Factual	Yes
South Africa	Local	No	Yes	Yes	Factual, informative	Factual	Yes
Australia	International	No	Yes	Yes	Informative	Factual	Yes
World	International	No	Yes	Yes	Factual, informative	Factual	Yes
Austria	International	No	Yes	Yes	Factual, informative	Factual	Yes
KZN, SA	Local	No	Yes	Yes	Factual, informative	Factual	Yes
SA, Namibia, Mozambique	Glocal	No	Yes	Yes	Quirky, informative	Factual	Yes
Germany, SA	International	No	Yes	Yes	Informative, optimistic	Factual	Yes
South Africa	Local	No	Yes	Yes	Factual, call to action	Factual	Yes
South Africa, World, US, UK, South America	Glocal	No	Yes	Yes	Factual, informative, optimistic	Factual	Yes
UK, Canada, Denmark, US	International	No	Yes	Yes	Factual, informative	Factual	Yes

SA	Local	No	Yes	Yes	Alarming, informative, call to action	Alarming	Yes
South Africa, Limpopo	Local	Yes	Yes	Yes	Warning, persuasive	Alarming	No
SA	Local	No	Yes	Yes	Informative, educational, call to action	Factual	Yes
Botswana	International	No	Yes	Yes	Alarming, informative, call to action	Alarming	Yes
Eastern Cape, SA	Local	No	Yes	Yes	Informative, optimistic	Factual	Yes
SA	Local	No	Yes	Yes	Factual, informative	Factual	Yes
SA	Local	No	Yes	Yes	Factual	Factual	Yes
UK	International	No	Yes	Yes	Factual	Factual	Yes
Chicago	International	No	Yes	Yes	Factual	Factual	Yes
Cape Town	Local	No	Yes	Yes	Positive, inspiring, informative	Inspirational	Yes

Quoted in the story	Mentions and Associations
President of Poland's climate talks	European Union, United Nations
Ecologist	Edinburgh Napier University, TRAFFIC
Researchers	ICES Journal of Marine Science
Researchers, professor	SA TB Vaccine Initiative (SATVI), NEJM, UCT, GSK, Aeras
SANParks spokesperson, marine ranger	Garden Route National Park, SANParks
Research scientist	Geomorphological Institute of America
Conservationist/adventurer, ecotourism graduate	Greenpeace, Kingsley Holgate, Jane Goodall, Lawrence Anthony, Dame Daphne Sheldrake
Spokespersons for the NDEA, DA, IFP, EWT, SANParks, wildlife filmmakers	NDEA, DA, IFP, EWT, SANParks, SAPS, SANDF
Minister Mmamoloko Kubayi-Ngubane	DST
PhD candidate from University of Pretoria	University of Pretoria, Ukutula Conservation Centre
Scientists, researchers, spokespersons, directors, dean of a faculty	American Academic of Paediatrics, University of Pretoria, FDA, SA Vinyl Association, CANSA, European Food Safety Authority
Professor of Clinical Microbiology	Wits University
Researchers	UN IPCC
Doctors, researchers and experts	None
Spokesperson for the UN IPCC, scientists, researchers	UN IPCC
None	None
CEO of SAICE, SAICE president, researchers, Aurecon	Leeds Beckett School of Social Sciences and the University of Missouri, SAICE, Aurecon
Researchers	University of Wisconsin-Madison
EU lawmakers	European Parliament
None	South African scientists
Ban Ki-moon	Ban Ki-moon, Bill Gates, World Bank CEO Kristalina Georgieva
Astrophysicist, project scientist, science mission chief,	Johns Hopkins University, University of Chicago
SAVE activists and environmentalists, Minister of Water and Sanitation	NDWS, SAVE, Sebokeng Regional Sewer Scheme (SRSS)
Researcher	University of East Anglia
Oldest mother, clinical psychologists, medical director	University of Wisconsin-Madison, Duke and Create Fertility
Professor	Queen's University, Belfast
None	None
Dr Amir Zarrabi, specialist doctor in infertility	Stellenbosch University, Oxford University, Aevitas Fertility Clinic, Specialist Urologist from Cornell University
Professors from the UK, Australia	University of Glasgow, University of Exeter, Adelaide Medical School
Researchers	University of Exeter
Psychologists	University of Essex, UK
Senior researcher	Oxford University, University of Westminster
Scientists	University of Bristol
Researchers and scientists	Ludwig-Maximilian's University, Germany
Several scientists and research papers are cited	DEA (US), Canadian Medical Association, American Medical Association, Central Drug Authority, SA Society of Psychiatrists, Const
Toxicologist, science advisor, Monsanto spokesperson, microbiologist, food safety experts	Monsanto, Environmental Working Group US, WHO, FDA, University of San Francisco, Food Focus SA, DAF, CSIR
Scientists, zookeepers	Joburg Zoo, Ezemvelo, EWT
Researchers, activists, bloggers	California Department of Public Health, Food and Drug Administration, CamCheck, Medicines Control Council
Researchers, scientists, activists	Cameroon, Nigeria, SA
Co-Director of CoE in Food Security	University of Pretoria, Minister of Health
Scientists	University of Sydney
Researchers	Kings College London, Wayne State University
Researchers	Medical University of Vienna, Austria's Federal Environment Agency, Germany's Federal Institute for Risk Assessment
Researcher and spokesperson for Marine Biological Research	Marine Stranding Network, SA Association for Marine Biological Research
None	Two Oceans Aquarium, uShaka Marine World
Researcher	Cryovault, Ezemvelo KZN Wildlife, Hemmersbach Rhino Force
Brave founder, community outreach officer	Singita Grumeti Fund, Brave
Researcher and virologist, co-principal investigator	HIV Vaccine Trials Network, US National Institute of Allergy and Infectious Diseases, NIH, Institute for Global Health and Infectiou
Scientists and researchers	Danish Cancer Society, Breast Cancer Now, University of California, Royal Society

Psychiatrists	SA Society of Psychiatrists
None	Kruger National Park
Psychiatrists	SA Society of Psychiatrists
Ministers in Botswana (International Affairs, Tourism and Wildlife and National Parks), activists	Elephants without Borders, Botswana ministries
Mayor of Oudtshoorn, MEC for transport and public works	Oudtshoorn mayoral committee, Cango Caves
Minister of Energy, Eskom spokesperson, OUTA spokesperson, CEO of SA Wind Energy Association	SA Wind Energy Association, Eskom, Energy Ministry, Independent Power Producers, OUTA
Chairperson of Nuclear Africa, President, Energy Minister	SA Nuclear Energy Corporation, Nuclear Africa
Researchers	University of Copenhagen, Nottingham, Helsinki
Two US professors of paediatrics	University of California
Professor Monique Zaahl	Stellenbosch University, Oxford University

Contention or Drama	Page No	Position on Page	Headline Size	Sub-headings	Visuals
No	6	Story 5, bottom of page	Tier 5	None	None
No	5	Two thirds of page	Tier 1	None	Authorities seize horns
No	7	Top half of page	Tier 1	None	Image of whales in ocean
No	7	Right column	Tier 3	None	None
Yes - use of words: dead fish, cause of death, E.coli, ammonia, at risk	15	Story 1, top of page	Tier 1	None	Beautiful picture of the Touw River, a boat and people
Yes - use of words: monarch, R328.6m	24	Story 5, bottom of page	Tier 5	None	None
Yes - use of words: conflict, danger, save lives, save animals, women	6	Story 1, centre of page	Tier 1	Only 1 - "Dream"	Striking image of the adventurer with an elephant
No	7	Story 3, bottom of page	Tier 2	None	None
No	5	Full page	Tier 1	Summary of the White Paper	Profile pic of the Minister
Yes - AI, make history, world-first	4	Story 2, centre left of upper	Tier 2	None	Pic of scientists working on lion cub
Yes - cling wrap can emit chemicals that can kill you eventually	4	Two thirds of page	Tier 1	Pull out quotes	Baby being fed from a plastic bottle
No	10	Story 3, right column	Tier 3	None	None
Yes - far reaching changes, prevent rising sea levels, warns, increasing CO2 levels	19	Right column	Tier 3	None	None
No	19	Right column	Tier 3	None	None
Yes - avoid catastrophic damage, violent storms, exacerbating poverty	15	Right column	Tier 6	None	Pic of climate change advocates
Yes - people will die without water	19	Bottom half of page	Tier 2	None	Pic of dam
Yes - contention between SAICE CEO and the public	2	Bottom third of page	Tier 4	None	None
No	9	Story 6, right column	Tier 9	None	None
No	9	Story 5, bottom of page	Tier 4	None	Picture of car exhaust in Paris
No	15	Story 9, bottom of page, side	Tier 9	None	None
Yes - use of words adapting to heatwaves, droughts, floods and storms	17	Story 5, middle of page, side	Tier 4	None	Profile picture of Bill Gates
No	6	Two thirds of page	Tier 1	Pull out quotes	Four image of probe headed towards sun, rocket, take of
Yes - contention between environmentalist and the Minister of Water and Sanitation	2	Bottom third of page	Tier 3	None	Polluted water
No	14	Bottom of right column	Tier 6	None	None
No	19	Right column	Tier 3	None	None
No	19	Right column	Tier 3	None	None
No	19	Right column	Tier 3	None	Picture of olive oil
Yes - use of words - first, successful, specialist	3	Story 2, centre of page	Tier 2	None	None
Yes - put them at risk, significantly alter bacteria in gut, increase risk of diabetes	15	Right column	Tier 4	None	None
None	15	Right column	Tier 5	None	None
No	6	Left column	Tier 3	None	None
No	6	Left column	Tier 3	None	None
No	11	Right column	Tier 2	None	None
No	11	Right column	Tier 2	None	None
Yes - use of words: detrimental effects on health and safety	7	Story 1	Tier 1	None	Cannabis rolled in a bank note - attractive
Yes - use of words: Time to panic, weed killer and cereal, toxic, terminally ill	4	Story 1	Tier 1	None	Strong picture of a weed killer - Roundup
No	10	Bottom right	Tier 3	None	Frog
Yes	4	Two thirds of page	Tier 1	None	Picture of Viagra
No	19	Story 1	Tier 1	None	Three pictures of people recycling in Africa
Yes - shocking findings, contaminated products, raises concerns, food image tainted	4	Story 3, bottom of page	Tier 3	None	None
No	10	Left column	Tier 10	None	Picture of a Labrador
No	15	Right column	Tier 3	Plastic poison	None
No	25	Story 7, bottom of page	Tier 6	None	None
Yes	15	Story 1, top of page	Tier 1	What to do if you find a strand	Ushaka Marine world animal caregivers with penguins
No	14	Story 1, top of page	Tier 1	None	Map and picture of the turtle
No	5	Story 2, bottom of page	Tier 2	None	Rhino
No	39	Story 1, top of page	Tier 1	None	Founder of Brave running with school learners
No	39	Story 2, middle of page	Tier 2	None	None
No	39	Right column	Tier 3	None	None

No	4	Story 1, top of page	Tier 1	The effects of marijuana on yo	Comprehensive infographic pros and cons of cannabis
Yes - if we don't fix poverty, we will have the Big 3 or Big 4 only	12	Story 1, left column	Tier 1	None	Byline picture
Yes - oppose cannabis ruling	16	Story 2, left column	Tier 2	None	None
Yes - contention between activists and government officials	25	Story 2, middle of page	Tier 2	None	None
No	25	Story 3, left column	Tier 3	None	None
No	13	Story 1	Tier 1	None	Minister of Energy
Yes - contention between nuclear energy experts and energy ministry	13	Story 2	Tier 2	None	Wind turbines
No	24	Story 4	Tier 4	None	Measuring a belly
Yes - use of words: marijuana, mind-altering, high, risk, dilemma	6	Story 3	Tier 3	None	None
Yes - use of words: break glass ceiling	15	Story 3, top of page	Tier 4	None	Picture of the scientist at work

Prominence of visuals	Caption	Comment
None	None	Source: Reuters / ANA
Second most prominent image	Malaysian authorities seize African rhino horns	Source: Jason Gilchrist
Most prominent on page	Summary of the article captured in caption	Source: ICES Journal of Marine Science
None	None	Source: SATVI
Most prominent story on page - Tier 1	Describes the river and people as being at risk	Source: SANParks
None	None	Source: Reuters
Most prominent story on page - Tier 1	Descriptive of empowered woman creating awareness of conservation	Source: Blue Sky Foundation
None	None	Source: NDEA Report
Most prominent on page	Byline	Source: DST
Most prominent on page	Description of scientists at work	PR release from University of Pretoria
Most prominent on page	Describes conference at which plastic bottles for babies was banned	Source: Original based on American Academy of Paediatrics release
None	None	Source: Wits University
None	None	Source: UN IPCC Report, Daily Mail UK
None	None	Source: Not stated, Daily Mail UK
Not prominent	None	Source: UN IPCC
Second most prominent image	Describes the effects of drinking contaminated water	Source: Original
None	None	Source: SAICE
None	None	Source: University of Wisconsin-Madison, IANS, ANA
Second most prominent image	Car drives near Eiffel Tower	Source: European Union Parliament / Reuters / ANA
None	None	SA story picked up in New York and republished in SA
Third largest picture (profile)	Describes Bill Gates as co-chair of the commission and as a billionaire	Picture by Jason Alden / Bloomberg
Most prominent story on page - Tier 1	Describes rocket, mission in the images	Source: NASA / ANA / AP
Not prominent	Summary of the article captured in caption	Source: SAVE
None	None	Source: University of East English research news release, Reuters
None	None	Source: American Society for Reproductive Medicine Annual Meeting
None	None	Source: Queen's University, Belfast, Daily Mail UK
Not prominent	None	Source: Daily Mail, UK
None	Thinus Kruger and team performed surgery on patient	Source: Stellenbosch University
None	None	Science report based on research
None	None	Science report based on research, expert comment
None	None	Source: University of Essex, Daily Mail, UK
None	None	Source: University of Oxford, Westminster University, Daily Mail, UK
None	None	Source: University of Bristol, Daily Mail, UK
None	None	Source: University of Ludwig-Maximilian's, Germany, Daily Mail, UK
Most prominent story on page - Tier 1	Caption describes picture, but not the focus of the story	Source: Original
Most prominent story on page - Tier 1	Factual caption of weed killer on sale	Source: Original
Third most prominent on page	Summary of the article captured in caption	Source: Ezemvelo Wildlife
Most prominent picture on page	Stock picture of Viagra referring to major pharmaceutical conglomerates	Source: Original based on a tip-off or research
Very prominent on page	Summary of the article captured in caption	Source: Thomson Reuters Foundation/ANA
None	None	Source: University of Pretoria
Not prominent	Summary of the article captured in caption	Source: University of Sydney
None	None	Source: Daily Mail, UK
None	None	Source: Medical University of Vienna
Most prominent picture on page	Summary of the article captured in caption	Source: Ushaka Marine World, SAAMBR, Marine Stranding Network release
Most prominent on page	Describes turtle	Source: Two Oceans Aquarium
Most prominent on page	Summary of the article captured in caption	Source: Ezemvelo Wildlife
Most prominent visual on page	Summary of the article captured in caption	Source: Brave and the Singita Fund, lead
None	None	Source: HVTN lead
None	None	Source: Daily Mail, UK

Most prominent on page	None	Source: SA Society for Psychiatrists / ANA
Byline picture only	Byline	Source: Original
None	None	Source: SA Society for Psychiatrists
None	None	Source: Elephants Without Borders, The Conversation
None	None	Source: Original based on lead from Oudtshoorn mayoral committee
Not prominent	Byline	Source: Original based on draft IRP
Most prominent on page	Summary of the article captured in caption	Source: Original based on SA Nuclear Energy Corporation release
Not prominent	None	Source: Daily Mail / Diabetes, Obesity and Metabolism Journal
None	None	Source: Original
Second visual on page	Summary of the article captured in caption	Source: Stellenbosch University

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
The Sowetan	Tiso Blackstar	Daily	Thursday	04/10/18	News	SA inventor's robot disarms explosives	Karabo Ledwaba	Original based on BRICS Expo
The Sowetan	Tiso Blackstar	Daily	Friday	05/10/18	News	Invention wins judges hearts	Yoliswa Sobuwa	Original based on lead from Eskom
The Sowetan	Tiso Blackstar	Daily	Friday	05/10/18	News	Mom begged doctors to save her child	Karabo Ledwaba	Original based on lead from Wits University
The Sowetan	Tiso Blackstar	Daily	Friday	07/09/18	News	Varsity's astronomy class boosted	Boitumelo Tshehle	Original based on lead
The Sowetan	Tiso Blackstar	Daily	Tuesday	14/08/18	Job Market	Climate change education empowers female farmers	None	GCIS
The Sowetan	Tiso Blackstar	Daily	Friday	14/09/18	News	Cholera crisis spreads in Zimbabwe	None	AFP
The Sowetan	Tiso Blackstar	Daily	Wednesday	15/08/18	Opinion	Engineering chief's sexist diatribe a blow to gender equality drive	Mbuyiselo Botha	Original opinion piece
The Sowetan	Tiso Blackstar	Daily	Monday	20/08/18	News	Lack of maintenance threat to Vaal	Nico Gouws	Times Live website
The Sowetan	Tiso Blackstar	Daily	Tuesday	21/08/18	News	Uprooting alien invasive plants	None	GCIS
The Sowetan	Tiso Blackstar	Daily	Thursday	23/08/18	Opinion	Use water wisely	Themba Khoza	Original opinion piece
The Sowetan	Tiso Blackstar	Daily	Tuesday	25/09/18	News	Techno whizzkid on patrol	Karabo Ledwaba	Original based on SA Innovation Summit event
The Sowetan	Tiso Blackstar	Daily	Thursday	25/10/18	News	Pupils invent fire-fighting robot	Karabo Ledwaba	Original based on lead
The Sowetan	Tiso Blackstar	Daily	Wednesday	26/09/18	News	Millions needed for Vaal sewage problem	Penwell Dlamini	Original
The Sowetan	Tiso Blackstar	Daily	Thursday	27/09/18	News	Poo big money and big trouble	Penwell Dlamini	Original
The Sowetan	Tiso Blackstar	Daily	Monday	29/10/18	News	New frontier for super North-West scientist	Thulani Makhwanyane	North-West University

Source Type	Theme	Topic	Summary
Original story or original based on lead	Engineering Sciences	Robotics	SA duo have made a robot that can detect explosives in the air
Original story or original based on lead	Science and Technology	Science and Technology	Teenagers generate water from cow dung
Original story or original based on lead	Health Sciences	HIV/AIDS	Liver transplantation from HIV+ mother a success
Original story or original based on lead	Astronomy	Astronomy	North West University launches new telescope
News wire	Environment and Ecology	Climate change	New programme to empower women farmers to defend crops against climate change
News wire	Health Sciences	Cholera	Cholera cannot be treated with antibiotics in Zimbabwe
Original story or original based on lead	Science and Technology	Women in STEM	Chief Exec of SA Institute of Civil Engineering must be fired
Other	Environment and Ecology	Water pollution	Possible contamination of the Vaal River System
News wire	Environment and Ecology	Alien invasive plants	Clearing alien invasive plants which threaten water supply
Original story or original based on lead	Environment and Ecology	Conservation: Water	Water must be conserved
Original story or original based on lead	Engineering Sciences	Data sciences	Data scientist uses cameras to track stolen motor cars
Original story or original based on lead	Engineering Sciences	Robotics	Two schoolkids build a robot prototype to help firefighters
Original story or original based on lead	Environment and Ecology	Water pollution	Millions of rands needed to sort out sewage flowing into the Vaal dam
Original story or original based on lead	Environment and Ecology	Water pollution	Emfuleni cannot cope with raw sewage coming through its system
Original story or original based on lead	Environment and Ecology	Ecology	Scientist passionate about spreading science

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorized
Device samples air for bombs	News	South Africa	Local	No	Yes	Yes	Factual, informative, inspirational	Factual
Teenagers generate water from cow dung	News	Free State, Ekurhuleni, SA	Local	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational
Liver transplantation from HIV+ mother a success	News	South Africa	Local	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational
New telescope brings stars closer	News	North West, Jhb	Local	No	Yes	Yes	Optimistic, inspirational, factual	Inspirational
Better yields afford women a better life	News	KZN, SA	Local	No	Yes	Yes	Factual, inspirational, optimistic	Inspirational
Drug resistance as death toll mounts	News	Harare, Zimbabwe	International	No	Yes	Yes	Depressing, factual, human interest	Alarming
Pillay must be fired for diatribe demeaning women in STEM, society	Opinion	South Africa	Local	Yes	Yes	Yes	Opinion, persuasive, questioning	Alarming
Sedibeng plant under huge strain	News	Vaal, SA	Local	No	Yes	Yes	Concern, raising alarm	Alarming
Infestation a threat to water and soil quality	News	CT, SA	Local	No	Yes	Yes	Factual, inspirational, optimistic	Inspirational
None	Opinion	SA	Local	No	Yes	Yes	Factual, informative	Factual
Bokaba's tool to give criminals a tough time	News	Mpumalanga, CT, SA	Local	Yes	Yes	Yes	Optimistic, inspirational	Inspirational
Joburg CBD blaze inspire duo	News	Johannesburg	Local	No	Yes	Yes	Optimistic, inspirational, factual	Inspirational
Mayor tells inquiry pump stations are old	News	Emfuleni, Gauteng, SA	Local	No	Yes	Yes	Informative, factual, distressing	Inspirational
Ageing network pollutes Vaal River	News	Emfuleni, Gauteng, SA	Local	No	Yes	Yes	Informative, factual, distressing	Inspirational
Scientist spreads the gospel of science	Opinion	North West, Pta	Local	Yes	Yes	Yes	Inspiring, factual	Inspirational

Power Elite	Quoted in the story	Mentions and Associations
No	Two scientists working for Denel Aeronautics	Denel Aeronautics, UN, BRICS skills expo, Mechen
No	Teenagers, Eskom Expo Executive Director	Eskom Expo
Yes	Doctor, professor, NDOH Minister	Wits DGMC, NDOH, Wits University
Yes	Vice-Chancellor of North West University, Minister of DST, NWU spokesperson	North West University, SKA, DST, Mahikeng Astronomical Observatory
Yes	Farmers, SANBI	SANBI, UKZN, uMgeni Resilience Project, GCIS
Yes	WHO report quoted	WHO, UNICEF
Yes	Gender advocate	SA Institute of Civil engineering, Union Buildings
Yes	Chairperson of Parliament's portfolio committee on water and sanitation	Sebokeng Waste Water treatment, Emfuleni Municipality
No	Alien plant clearing contractor	CT Department of Agriculture and Forestry, Cape Nature, Cape Winelands
Yes	Spokesperson of the comms unit of the Mpumalanga water and sanitation department	Mpumalanga water and sanitation department
No	Young data scientist who is using technology to track stolen cars	Medunsa, Data Science Academy, SA Innovation Summit
No	Two schoolkids, MD of Hip2B2	Hip2B2, Mark Shuttleworth Foundation, 3M, Mandlesive Secondary School
Yes	Emfuleni mayor	SAHRC, Eskom, Rand Water
Yes	Emfuleni spokesperson	Emfuleni municipality and Free State and Gauteng provinces
Yes	Dr Thulani Makhalanyane	University of Pretoria, International Society of Microbial Ecology

Drama or Contention	Page No	Position on Page	Headline Size	Sub-headings
No	8	Top half of page	Tier 1	None
No	7	Top half of page	Tier 1	None
Yes - Mum begged doctor to save child	11	Top half of page	Tier 1	In the weeks after the transplant, we thought that the child was HIV+
No	10	Bottom half of page	Tier 1	Teaching will be taken to another level
No	15	Top half of page	Tier 1	None
Yes - crisis, outbreak, resistance	10	Bottom third of page	Tier 3	None
Yes - blow to gender equality, demeaning women	19	Top half of page	Tier 1	None
Yes - unsafe drinking water, raw sewage in water, ecological disaster	10	Top half of page	Tier 1	None
No	20	Full page	Tier 1	The river turns into a stream; there is so little water left
No	19	Bottom third of page	Tier 2	None
No	9	Bottom third of page	Tier 2	None
No	11	Top half of page	Tier 1	None
No	6	Right half of page	Tier 2	None
No	10	Right column of page	Tier 3	None
No	7	Full page	Tier 1	Interact with extensive networks

Visuals	Prominence of visuals	Caption	Comment
Picture of one of the inventors with the robot	Most prominent picture on page	Describes the inventor and the robot	Based on BRICS event
Prominent picture of the teenagers with their invention	Most prominent pic on page	Summarises story	Original story based on lead and event
Two prominent images of patients, Professor	Two very prominent pictures on page	Summarises story	Original story based on lead and event
Prominent profile picture of NWU VC	Second most prominent on page	Describes excitement of the VC	Nice soft science education story
Prominent picture of farmer at work	Most prominent picture on page	Describes picture	Likely sourced from SANBI, GCIS
Cholera patients waiting for treatment	Second most prominent on page	Describes patients waiting for treatment	Wire story
Female engineers at work	Most prominent picture on page	Summarises the opinion of the writer	Disappointing that this rare engineering story is about gender inequality
Picture of sewage flowing into the river	Most prominent picture on page	Informs readers of sewage flowing into river	Alarming environmental story
Profile picture of alien plant clearing contractor at work	Most prominent picture on page	Describes the contractor at work	Good Groundup story
None	None	None	None
Picture of Bokaba speaking at Innovation Summit	Profile picture, second largest on page	Summarises story	Source: Innovation Summit
A picture of the schoolkids and their robot	Most prominent picture on page	Summary of the article, describes the learners	Good inspirational story, likely tipped off via lead
Two visuals of a broken down pump station and the river	Two very prominent pictures on page	Summarises story	Source: SAHRC hearing
None	None	None	Source: SAHRC hearing
Profile picture of the lecturer	Somewhat prominent	Name of person only	Likely based on tip-off or release from University

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline
Business Day	Tiso Blackstar	Daily	Monday	15/10/18	Bottom Line	Nobel winners show us human ingenuity can lead us away from climate change disaster	Tim Harford
Business Day	Tiso Blackstar	Daily	Wednesday	01/08/18	Life	Strength training linked to reduced risk of cancer	Marika Sboros
Business Day	Tiso Blackstar	Daily	Monday	08/10/18	News	Now is not the time to put regressive carbon tax in place	Michael Ade
Business Day	Tiso Blackstar	Daily	Wednesday	01/08/18	Life	Keep money flowing to HIV battle so achievements will not be lost	Adele Sulcas
Business Day	Tiso Blackstar	Daily	Tuesday	21/08/18	Life	Sanitisers hand us a new problem	Wilmot James, Madelaine Thomson
Business Day	Tiso Blackstar	Daily	Monday	03/09/18	News	Energy plan's drafters are stuck in a coal hole and have just kept digging	Grove Steyn
Business Day	Tiso Blackstar	Daily	Thursday	25/10/18	Life	Elephants in African veld: climate heroes?	Heather Dugmore
Business Day	Tiso Blackstar	Daily	Friday	24/08/18	Life	Pollution biggest threat for fish of a thousand casts	Shaun Smillie
Business Day	Tiso Blackstar	Daily	Wednesday	29/08/18	Opinion	Forward-looking energy plan must tackle jobs issue in order to shine	Johan van den Berg
Business Day	Tiso Blackstar	Daily	Wednesday	26/09/18	News	DNA altered mosquitoes to fly into the battle against malaria	Sylvia McKeown
Business Day	Tiso Blackstar	Daily	Thursday	30/08/18	Life	Poachers will wipe out SA's elephants next	Lesley Stones
Business Day	Tiso Blackstar	Daily	Monday	13/08/18	News	NASA blasts off on visit to the Sun	Agency Staff
Business Day	Tiso Blackstar	Daily	Friday	17/08/18	News	SA faces water catastrophe as state dithers	Neels Blom
Business Day	Tiso Blackstar	Daily	Wednesday	26/09/18	News	Biodiversity standard boosts NGOs	Heather Dugmore
Business Day	Tiso Blackstar	Daily	Wednesday	22/08/18	News	Public to finally have say on energy plan	Carol Paton
Business Day	Tiso Blackstar	Daily	Tuesday	28/08/18	Editorial	Cleaner power is a win for Ramaphosa	Lisa Steyn
Business Day	Tiso Blackstar	Daily	Thursday	16/08/18	Editorial	Water problems need fixing first	Editor
Business Day	Tiso Blackstar	Daily	Tuesday	28/08/18	Editorial	Let's talk about our energy plan	Editor
Business Day	Tiso Blackstar	Daily	Tuesday	09/10/18	International	Green growth duo win Nobel prize	Agency Staff
Business Day	Tiso Blackstar	Daily	Friday	26/10/18	International	New test for children expected to save hundreds of thousands	Agency Staff
Business Day	Tiso Blackstar	Daily	Thursday	03/10/18	International	Laser trio win Nobel prize for physics	Agency Staff
Business Day	Tiso Blackstar	Daily	Wednesday	24/10/18	International	Plastic bits found in human faeces	Agency Staff
Business Day	Tiso Blackstar	Daily	Thursday	18/10/18	Life	Expert rains on the vitamin D brigade	Marika Sboros
Business Day	Tiso Blackstar	Daily	Thursday	18/10/18	National	Business groups call for realistic energy plan	Carol Paton
Business Day	Tiso Blackstar	Daily	Thursday	25/10/18	National	Army called in to help clean Vaal River	Claudi Mallovich
Business Day	Tiso Blackstar	Daily	Monday	13/08/18	News	Departments deny fish mortality and raw sewage link	Neels Blom
Business Day	Tiso Blackstar	Daily	Tuesday	23/10/18	News	NASA blasts off on visit to the Sun	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Tuesday	14/08/18	News	Scientists working with peers abroad	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Friday	05/10/18	News	HIV mother donates part of liver to save child	Agency Staff
Business Day	Tiso Blackstar	Daily	Friday	28/09/18	News	Lack of funding holds back plans for cattle vaccine	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Wednesday	17/10/18	News	Diabetes a leading killer by 2040	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Friday	28/09/18	News	SA's research bodies under financial strain	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Tuesday	23/10/18	News	Plan to rid island of bird-eating mice	Agency Staff
Business Day	Tiso Blackstar	Daily	Tuesday	02/10/18	News	Cancer scientists win Nobel prize	Agency Staff
Business Day	Tiso Blackstar	Daily	Friday	24/08/18	News	Research and development to support SA's green economy	Alf James
Business Day	Tiso Blackstar	Daily	Wednesday	31/10/18	Opinion	The blueprint for transition from coal is too ambitious	Ndavhe Mareda
Business Day	Tiso Blackstar	Daily	Wednesday	29/08/18	Life	Unleashing power of the subconscious mind	Nicholas Bruce
Business Day	Tiso Blackstar	Daily	Wednesday	19/09/18	News	SA shows what is possible in fighting killer diseases	Adele Sulcas
Business Day	Tiso Blackstar	Daily	Monday	10/09/18	News	Oldest known artwork found in Mossel Bay	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Monday	22/10/18	Life	Plastic pollution can drive new economic models	Tatjana von Bormann
Business Day	Tiso Blackstar	Daily	Wednesday	24/10/18	National	Now the world can pop in to visit Homo Naledi	Tanya Farber
Business Day	Tiso Blackstar	Daily	Thursday	20/09/18	Life	Place for business and ancient trees	Jackie May
Business Day	Tiso Blackstar	Daily	Wednesday	29/08/18	Life	A medical solution aimed at malnourished children	Tamar Kahn
Business Day	Tiso Blackstar	Daily	Monday	27/08/18	Opinion	Science has key role in providing understanding as a basis for strategy	Peter Gluckman
Business Day	Tiso Blackstar	Daily	Thursday	27/09/18	News	Unit takes drones and gliders to new heights - and depths	Heather Dugmore
Business Day	Tiso Blackstar	Daily	Wednesday	10/10/18	News	SA and world cannot ignore the UN warning on climate change	Sylvia McKeown
Business Day	Tiso Blackstar	Daily	Friday	28/09/18	News	SA prepares for new technological age	Alf James
Business Day	Tiso Blackstar	Daily	Friday	31/08/18	National	Water sources unprotected while crisis grows	Neels Blom
Business Day	Tiso Blackstar	Daily	Wednesday	17/10/18	Life	Blood a better predictor of future health	Tim Spector
Business Day	Tiso Blackstar	Daily	Wednesday	12/09/18	News	Activists decry lack of action over Vaal	Neels Blom

Source	Source Type	Theme	Topic
Financial Times	International Newspaper	Environment and Ecology	Climate change
Original based on lead	Original story or original based on lead	Health Sciences	NCDs
Steel and Engineering Industries Federation of South Africa	Original story or original based on lead	Environment and Ecology	Climate change
Global Fund Observer	International Newspaper	Health Sciences	HIV/AIDS
Columbia University	Original story or original based on lead	Health Sciences	Bacteria
Meridian Economics	International Newspaper	Energy	Energy: IRP
Original based on research in Philosophical Transactions	Original story or original based on lead	Environment and Ecology	Climate change
Original	Original story or original based on lead	Environment and Ecology	Water pollution
Skrander	Original story or original based on lead	Energy	Energy: IRP
Original based on research in Nature	Original story or original based on lead	Health Sciences	Malaria
Original	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
AFP	News wire	Astronomy	Space Science
Original	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on lead from Birdlife SA	Original story or original based on lead	Environment and Ecology	Biodiversity
Minister of Energy	Original story or original based on lead	Energy	Energy: IRP
Original based on IRP release	Original story or original based on lead	Energy	Energy: IRP
Original	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on IRP release	Original story or original based on lead	Energy	Energy: IRP
AFP	News wire	Environment and Ecology	Climate change
AFP	News wire	Health Sciences	TB
AFP	News wire	Physics	Physics
AFP	News wire	Environment and Ecology	Conservation: 3Rs
Original based on research	Original story or original based on lead	Health Sciences	Endocrinology
Original based on Parliamentary hearings	Original story or original based on lead	Energy	Energy: IRP
Original	Original story or original based on lead	Environment and Ecology	Water pollution
Save the Vaal Environment	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on research	Original story or original based on lead	Health Sciences	Superbugs
Original with lead from Stellenbosch University	Original story or original based on lead	Science and Technology	Policy
Wits University, AFP	News wire	Health Sciences	HIV/AIDS
ARC	Original story or original based on lead	Science and Technology	Policy
Original based on The Lancet	Original story or original based on lead	Health Sciences	Endocrinology
Original	Original story or original based on lead	Science and Technology	Policy
AFP	News wire	Zoology	Ornithology
AFP	News wire	Health Sciences	Cancer
DST	Original story or original based on lead	Energy	Energy: Green Econom
Black Royalty Minerals	Original story or original based on lead	Energy	Energy: IRP
Original	Original story or original based on lead	Health Sciences	Kinesiology
Global Fund Observer	International Newspaper	Health Sciences	HIV/AIDS
Original based on lead from Wits University	Original story or original based on lead	Anthropology and Archaeology	Archaeology
WWF-SA	Original story or original based on lead	Environment and Ecology	Conservation: 3Rs
Original based on lead from Perot Museum and Wits University	Original story or original based on lead	Palaeosciences	Palaeosciences
Canopy Works	Original story or original based on lead	Environment and Ecology	Conservation
Original based on lead from UCT, Red Cross Children's Hospital	Original story or original based on lead	Health Sciences	Gastroenterology
International Network for Government Science Advice	News wire	Science and Technology	Policy
Original based on lead from Walter Sisulu University	Original story or original based on lead	Engineering Sciences	Drones
Original based on UN IPCC's Report	Original story or original based on lead	Environment and Ecology	Climate change
Original based on new white paper	Original story or original based on lead	Science and Technology	Policy
Centre for Environmental Rights	Original story or original based on lead	Environment and Ecology	Water pollution
The Conversation / Kings College London	Syndicated Media	Health Sciences	Endocrinology
Save the Vaal Environment	Original story or original based on lead	Environment and Ecology	Water pollution

Summary	Blurb	Type	Proximity
Need more innovation to tackle climate change problem, inspired by Nobel winners	None	Opinion	UK
Strengthen training can reduce cancer	None	News	South Africa
Carbon tax will strain businesses, cut jobs	Finalisation of the bill is imminent but it will add to business costs and may lead to job cuts	News	South Africa
HIV/AIDS research must be funded	UNAIDS led goal of ending the epidemic by 2030 is beyond reach	Opinion	South Africa
Alcohol based hand sanitisers may fuel bacteria proliferation	Alcohol based replacements for water may fuel bacteria proliferation	Opinion	US, World
Eskom can save money by introducing core renewable energy alternatives	Eskom can save cash by procuring renewables to displace energy from existing power stations	News	South Africa
Africa's mega herbivores could play a role in mitigating climate change	None	News	South Africa
Pollution of the Vaal is killing yellowfish	Effluent in the Vaal River is behind die-off of largemouth yellowfish	News	Vaal, SA
Broadly supports the IRP with some tweaks	While electricity needs will be met and coal dependency abolished, the human factor must be considered	Opinion	South Africa
Burkina Faso to release 10 000 genetically engineering mosquitoes with gene mutation	Gene-drive technology hacks the laws of heredity, overriding normal biological processes	News	Burkina Faso, Uganda
Kenya has successfully managed elephant poaching, driving poachers to SA	None	News	Kenya, SA
NASA sends Parker probe to 6 million kilometres from the Sun	Unmanned aircraft will go closest to solar system centre	News	US, World
SA's water pollution has happened over time	None	News	South Africa
Adoption of the key biodiversity stand is a major breakthrough for global conservation	None	News	South Africa
New IRP to be released for public comment	None	News	South Africa
SA to steer clear of nuclear in favour of cheaper renewable energy	None	News	South Africa
Pollution of the Vaal River must urgently be sorted out	None	Opinion	Vaal, SA
Mix of energy sources welcome, but requires discussion	None	Opinion	South Africa
Economists win prize for showing green growth models for innovation and climate policies	None	News	US, Sweden
New way of testing for TB through stool rather than sputum	None	News	The Hague
Physicists have invented optical lasers for corrective eye surgery	None	News	Sweden, US, Canada
Micro plastics found in human faeces for the first time	None	News	UK, Russia, Vienna, EU
No need for vitamin D supplementation	None	News	US, UK, SA
Business groups speak against proposed IRP in Parliament	None	News	South Africa
Finance Minister appoints army to clean up Vaal River	Government takes drastic step to solve water crisis	News	Vaal, SA
NDWS and NFAFF deny sewage in Vaal killing fish	None	News	South Africa
Pharmaceutical companies must do more to tackle superbugs	None	News	SA, UK
Scientists collaborating with international peers	None	News	South Africa
HIV+ liver transplanted into an HIV- child with success	None	News	South Africa
Funding constraints have led to ARC not being able to develop vaccine for foot and mouth disease	None	News	South Africa
Diabetes will be the leading cause of death in 2040	None	News	US, SA
Research bodies facing financial constraints	Dwindling state funding and weak economy have harmed the output of several scientific agencies	News	South Africa
Plan to get rid of bird-eating mice on Gough Island UK	None	News	UK
Two immunologists won the Nobel Medicine Prize for research into how the body's natural defences can fight	None	News	Sweden
DST is working towards green economy described in NDP	None	News	South Africa
Move away from coal will put economy at risk	None	Opinion	South Africa
Release energy in muscles to release subconscious emotions	None	News	South Africa
Global Fund helped to contribute to SA's success in fight against HIV	None	News	SA, UK, US
Oldest known human-made art discovered in Cape	None	News	South Africa
Plastics kill marine life	Opportunity for fresh thinking	News	South Africa
New app allows public to experience Rising Star Cave, meet Homo naledi	None	News	US, SA
NGO tries to save old trees from paper producers	NGO works with producers to ensure sustainable supply chains	News	South Africa
Researchers to inject stool from people with healthy gut into malnourished patients	First African study to restore gut flora in order to better absorb nutrients	News	CT, SA
Governments need advice on all scientific matters from vaccines to obesity	Advice is needed on issues that impact on the public	Opinion	New Zealand, SA
Different research projects will see drone applications benefit ocean science	None	News	South Africa
Must act now, or suffer in the near future	If we don't spring into action, we will be engulfed in disaster sooner, scientists say	News	South Korea, World
Science, technology and innovation enabling sustainable and inclusive development in a changing world	Draft document will help grow a more inclusive society	News	South Africa
8 NGOs seeking legal framework to protect strategic water areas	None	News	Vaal, SA
Blood tests better indicator of future health than BMI	None	Opinion	US, UK, SA
Despite court order, nothing being done to save the Vaal	None	News	Vaal, SA

Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorized	Power Elite	Quoted in the story
International	No	Yes	Yes	Informative	Factual	Yes	Nobel prize winners
Local	No	Yes	Yes	Informative	Factual	Yes	Physician, professor of medicine, researchers
Local	No	Yes	Yes	Alarming, call to action	Alarming	Yes	Chief Economist
Local	No	Yes	Yes	Informative	Factual	Yes	Peter Piot founding director of UNAIDS, Charlize Theron, Elton John, Prince ha
Glocal	No	Yes	Yes	Call to action, informative	Factual	Yes	Anti-microbial specialists, researchers, scientists, doctors, professors
Local	No	Yes	Yes	Call to action, informative	Factual	Yes	Minister of Energy
Local	No	Yes	Yes	Informative	Factual	Yes	Researchers, scientists
Local	No	Yes	Yes	Alarming, call to action	Factual	Yes	Professors, fly fishermen, tour guides, information officers
Local	No	Yes	Yes	Informative	Factual	Yes	None
International	No	Yes	Yes	Quirky, informative	Factual	Yes	Scientists, researchers, politicians
Glocal	No	Yes	Yes	Call to action, informative	Factual	Yes	Wildlife Direct founder
International	No	Yes	Yes	Inspiring	Inspirational	Yes	Associate Administrator at NASA, project scientist, professors, scientists
Local	No	Yes	Yes	Alarming, call to action	Factual	Yes	Water politics specialist, limnologist, environmentalists, scientists
Local	No	Yes	Yes	Informative	Factual	Yes	Activists, environmentalists
Local	No	Yes	Yes	Informative	Factual	Yes	Minister of Energy, SA Faith community Environmental Initiative
Local	No	Yes	Yes	Informative	Factual	Yes	President, Professor, Minister of Energy
Local	Yes	Yes	Yes	Alarming, call to action	Alarming	No	None
Local	Yes	Yes	Yes	Call to action, informative	Factual	Yes	Editor, Minister of Energy
International	No	Yes	Yes	Inspiring	Inspirational	Yes	Nobel prize winners
International	No	Yes	Yes	Inspiring	Inspirational	Yes	Researchers, laboratory consultant
International	No	Yes	Yes	Inspiring	Inspirational	Yes	Physicists, researchers, scientists
International	No	Yes	Yes	Alarming, informative	Alarming	Yes	Researchers, scientists
Glocal	No	Yes	Yes	Informative	Factual	Yes	Scientists, researchers, professors
Local	No	Yes	Yes	Call to action, informative	Factual	Yes	BUSA's energy and environment policy manager
Local	No	Yes	Yes	Call to action, informative	Factual	Yes	Finance Minister
Local	No	Yes	Yes	Alarming, informative	Alarming	Yes	NDWS and NFAFF, SAVE
Glocal	No	Yes	Yes	Informative	Factual	Yes	Goldman Sachs Chief Economist, Infectious disease specialist
Local	No	Yes	Yes	Informative	Factual	Yes	Prof. Johann Mouton
Local	No	Yes	Yes	Informative	Factual	Yes	Doctors, professors, chief surgeon, bioethicist
Local	No	Yes	Yes	Call to action, informative	Factual	Yes	CEO
Glocal	No	Yes	Yes	Alarming, call to action	Alarming	Yes	Professors, Director, researchers, scientists
Local	No	Yes	Yes	Alarming, informative	Alarming	Yes	CEO
International	No	Yes	Yes	Quirky, informative	Factual	Yes	Manager Royal Society, researcher
International	No	Yes	Yes	Inspiring	Inspirational	Yes	James Allison and Tasuku Honjo
Local	No	Yes	Yes	Informative	Factual	Yes	CEO of Amplats, Minister of DST, Director of research centre, professor at US
Local	No	Yes	Yes	Informative	Factual	Yes	None
Local	No	Yes	Yes	Informative	Factual	Yes	Doctor, quantum touch instructor
Glocal	No	Yes	Yes	Informative	Inspirational	Yes	None
Local	No	Yes	Yes	Quirky, informative	Factual	Yes	Professors, researchers, scientists
Local	No	Yes	Yes	Call to action, informative	Alarming	Yes	Professor, Senior manage of policy and futures, consultant
Glocal	No	Yes	Yes	Quirky, informative	Factual	Yes	Researcher, professor, underground astronaut
Local	No	Yes	Yes	Quirky, informative, inspiring	Inspirational	Yes	Executive Director of Canopy, H&M Sustainability Manager
Local	No	Yes	Yes	Novel	Inspirational	Yes	Scientists and Researchers
Glocal	No	Yes	Yes	Informative	Factual	Yes	Minister Naledi Pandor, SA scientists
Local	No	Yes	Yes	Quirky, informative	Factual	Yes	Mechanical engineer, students
International	No	Yes	Yes	Alarming, call to action	Alarming	Yes	Scientists, researchers
Local	No	Yes	Yes	Informative	Factual	Yes	DST Minister
Local	No	Yes	Yes	Call to action, informative	Factual	Yes	Lawyer for Centre for Environmental Rights
Glocal	No	Yes	Yes	Informative	Factual	Yes	Scientists, researchers, professors
Local	No	Yes	Yes	Alarming, call to action	Alarming	Yes	Environmentalists, water politics experts

Mentions and Associations	Drama or Contention	Page No	Position on Page	Headline Size	Sub-headings
None	No	13	Top right quadrant	Tier 2	Pull out quotes
University of Sydney, Harvard	No	8	Bottom third of page	Tier 2	Pull out quotes
Steel and Engineering Industries Federation of Southern Africa	Yes - contention with government	7	Top left quadrant	Tier 1	None
PEPFAR, Global Fund to fight AIDS, TB and Malaria, UNAIDS, NICD, MRC	No	8	Two thirds of page	Tier 1	Pull out quotes
Jomo Kenyatta University of Agriculture and Technology, WHO, Columbia University, Science Translational Medicine	No	8	Top half of page	Tier 1	Pull out quotes
Energy Ministry, Eskom, Meridian Economics	Yes - critical of the draft IRP	7	Two thirds of page	Tier 1	Pull out quotes
IPCC, Nelson Mandela University, Wits University	No	8	Top left quadrant	Tier 1	None
University of Johannesburg, North West University	No	10	Top half of page	Tier 1	Pull out quotes
Eskom, Energy Ministry	No	11	Top left quadrant	Tier 1	None
WHO, Target Malaria, oxitec, Imperial College London, Bill & Melinda Gates Foundation, FBI	No	17	Top left quadrant	Tier 1	None
Southern African Wildlife College	No	12	Right column	Tier 2	None
University of Michigan, Johns Hopkins University, NASA	No	5	Top half of page	Tier 1	None
CSIR, Water Institute of Southern Africa	Yes - contention between activists and government	4	Top left quadrant	Tier 2	None
BirdLife SA, WWF, IUCN, Birdlife International, Conservation International, SANBI	No	4	Top right quadrant	Tier 2	Pull out quotes
Energy Ministry, Eskom	No	2	Centre of page	Tier 4	None
UCT GSB, Energy Ministry, Presidency, OUTA, Eskom	No	1	Right column	Tier 1	None
None	Yes - clean up river or we all suffer	6	Left column	Tier 1	None
Eskom, Energy Ministry	No	6	Left column	Tier 1	Pull out quotes
Nobel Committee, Royal Swedish Academy of Sciences, Yale University, World Bank, NYU, UN	No	5	Bottom left quadrant	Tier2	None
KNCV TB Foundation, the Hague	No	5	Bottom left quadrant	Tier 4	None
Royal Swedish Academy of Scientists, University of Michigan, Waterloo University Canada	No	5	Left column	Tier 2	None
Federal Environmental Agency, Medical University of Vienna, University of York in Britain	No	7	Left column	Tier 3	None
Boston University Medical Centre, Kings College London, US and Up governments	Yes - differing views on the need for vitamin D supplement	8	Bottom third of page	Tier 3	Pull out quotes
Business Unity SA, Eskom, Energy Intensive Users Group, Independent Power Producers	Yes - contention between business and government	4	Bottom third of page	Tier 4	None
Treasury, Stats SA, Rand Water, Giyani Water Project	No	4	Top left quadrant	Tier 1	None
Rand Water, Lesotho Highlands Water Project, NDWS, NFAF, SA Water Caucus	Yes - contention between government and activists	1	Centre of page	Tier 2	None
Goldman Sachs, UCT	No	2	Left column	Tier 2	None
Stellenbosch University	No	2	Left column	Tier 3	None
AIDS, Wits University, WDGMC	Yes - ethics involved in case	3	Centre of page	Tier 3	None
ARC, Botswana Vaccine Institute	Yes - finding cuts have major repercussions	3	Top left quadrant	Tier 2	None
The Lancet, SA Cochrane Centre, University of Washington	No	4	Bottom right quadrant	Tier 5	None
ARC, NRF, CSIR, HSRC and SA National Space Agency	Yes - researchers under strain as government slashes fu	4	Top left quadrant	Tier 1	Shifting priorities
The Royal Society for the Protection of Birds, Natural History Museum	No	5	Bottom left quadrant	Tier 4	None
University of Texas, University of Kyoto, Nobel Prize Committee	No	5	Top right quadrant	Tier 2	None
North-West University, UWC, Nelson Mandela University, Tia, Stellenbosch University	No	6	Bottom half of page	Tier 2	Pull out quotes
None	No	7	Right column	Tier 2	None
None	No	12	Bottom left quadrant	Tier 3	Pull out quotes
Global Fund	No	8	Bottom third of page	Tier 2	None
University of Bergen, Wits University	No	3	Top left quadrant	Tier 1	None
UCT, WWF-SA, The Green House	No	10	Top left quadrant	Tier 1	None
Perot Museum, Wits University	No	4	Bottom right quadrant	Tier 4	None
Rain Forest Alliance, Canopy Works, H&M, Changing Markets Foundation, retail stores	No	8	Top half of page	Tier 1	None
UCT, Red Cross Children's Hospital, Open Biome	No	12	Top left quadrant	Tier 1	None
SFSA, NACI, American Association for the Advancement of Science, DIRCO, World Science Forum 2021	No	7	Two thirds of page	Tier 1	None
Walter Sisulu University	No	4	Bottom right quadrant	Tier 4	Pull out quotes
UN IPCC, Terrestrial Energy, White House, Carbon Brief, Harvard	Yes - we will suffer soon if we do not act now	13	Top left quadrant	Tier 1	None
DST	No	8	Bottom right quadrant	Tier 3	None
Centre for Environmental Rights, WWF-SA, CSIR, Water Shortage SA	Yes - contention between environmentalists and mining	4	Top left quadrant	Tier 1	Pull out quotes
Cell Metabolism, King's College London	No	8	Right column	Tier 2	None
OUTA, SAVE, Rand Water, Stats SA, Emfuleni municipality, Vaal Action Group, Water shortage SA, SAHRC, SASOL	Yes - contention between activists and government	4	Bottom right quadrant	Tier 4	Most affected, ret

Visuals	Prominence of visuals	Caption	Comment
Authors picture	Second most prominent on page	Byline	Source: Financial Times
Authors picture	Not prominent	Byline	Source: Original
Carbon tax graphic	Most prominent on page	None	Source: Steel and Engineering Industries Federation of SA
Charlize Theron, Bill Clinton, activists	Most prominent on page	Summary of article	Source: Adele Sulcas, Global Fund Observer
Cleaning hands with an alcohol based sanitise	Most prominent on page	Summary of article	Source: Columbia University
Coal power stations, wind turbines, graph	Most prominent on page	Summary of article	Source: Meridian Economics
Elephants	Most prominent on page	Summary of article	Source: Original
Fisherman with yellowfish	Most prominent on page	Summary of article	Source: Original
Graphic of Energy	Most prominent on page	None	Source: Skrander
Hand in mosquito container	Most prominent on page	Describes picture	Source: Original based on research in Nature
Kenyan conservationist with elephants	Second most prominent on page	Summary of article	Source: Original
Launch of the rocket with the parker probe	Most prominent on page	Summary of article	Source: AFP, NASA
Litter in water	Most prominent on page	Summary of article	Source: Original
Man holding flower on Table Mountain	Most prominent on page	Describes picture	Source: BirdLife SA
Minister of Energy	Second most prominent on page	Byline	Source: Energy Ministry
None	None	None	Source: Original
None	None	None	Source: Original
None	None	None	Source: Original
None	None	None	Source: AFP
None	None	None	Source: KNVP TB Centre, AFP
None	None	None	Source: AFP
None	None	None	Source: AFP
None	None	None	Source: Original
None	None	None	Source: Original based on Parliamentary hearings
None	None	None	Source: Original
None	None	None	Source: SAVE, NDWAS, NFAF
None	None	None	Source: Original based on research
None	None	None	Source: Stellenbosch University
None	None	None	Source: Wits University, AFP
None	None	None	Source: ARC
None	None	None	Source: The Lancet
None	None	None	Source: Original
None	None	None	Source: Royal Society for Protection of Birds UK, AFP
None	None	None	Source: AFP
None	None	None	Source: DST
None	None	None	Source: Black Royalty Minerals
Patient being treated	Second most prominent on page	Summary of article	Source: Original
Patient being treated	Second most prominent on page	Summary of article	Source: Global Fund
Picture of the rock and the team at work	Most prominent on page	Summary of article	Source: Wits University / University of Bergen
Plastic polluting water	Most prominent on page	Summary of article	Source: WWF-SA
Prof. Lee Berger and Homo naledi	Second most prominent on page	Byline	Source: Perot Museum, Wits University
Profile picture of Director of NGO	Most prominent on page	Summary of article	Source: Canopy Works
Profile picture of lead investigator	Most prominent on page	Summary of article	Source: UCT
Science graphic	Most prominent on page	None	Source: Sir Peter Gluckman
Specialist engineer with drone	Most prominent on page	Describes picture	Source: Walter Sisulu University
Table Mountain and flora	Most prominent on page	Summary of article	Source: UN IPCC Report
Technology, Minister DST	Second most prominent on page	Byline	Source: DST
Vaal Dam	Most prominent on page	Summary of article	Source: Centre for Environmental Rights
Well-built person	Second most prominent on page	Summary of article	Source: The Conversation / King's College London
Woman in house polluted by sewage water	Second most prominent on page	Describes picture	Source: SAVE

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
Sunday Times	Tiso Blackstar	Weekly	Sunday	23/09/18	News	Where hi-tech watches their flocks by night	Graeme Hosken	Original based on release from Agri SA
Sunday Times	Tiso Blackstar	Weekly	Sunday	14/10/18	News	Humble fly takes on Brazilian invader	Claire Keeton	Original based on lead from Rhodes University
Sunday Times	Tiso Blackstar	Weekly	Sunday	23/09/18	News	Rising popularity, rising sea put beachfront in jeopardy	Bobby Jordan	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	28/10/18	Insight	A life on the ocean waves	Claire Keeton	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	26/08/18	Insight	Rubbish reincarnated	Shanthini Naidoo	Original based on invitation from Phambili recycling
Sunday Times	Tiso Blackstar	Weekly	Sunday	12/08/18	Insight	An African time machine	Anton Crone	Original based on lead from Wits University
Sunday Times	Tiso Blackstar	Weekly	Sunday	26/08/18	News	One man's faecal waste is another man's elixir	Claire Keeton	Original based on lead from UCT, Red Cross Hospital
Sunday Times	Tiso Blackstar	Weekly	Sunday	07/10/18	Insight	Poor people's cool drink habit flagged as health emergency	Dave Chambers	Original based on research
Sunday Times	Tiso Blackstar	Weekly	Sunday	21/10/18	News	News on the fyn-dining menu	Sipokazi Fokazi	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	19/08/18	News	Even banks are fun in the goggle-eyed future	Tanya Farber	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	09/09/18	News	Cry Havoc, and let slip a hero	Alex Patrick	Original based on tip off
Sunday Times	Tiso Blackstar	Weekly	Sunday	02/09/18	News	The lion and the lab	Tanya Farber	University of Pretoria
Sunday Times	Tiso Blackstar	Weekly	Sunday	23/09/18	Insight	It's too late, this thing is nearly finished	Kimon de Greef and Shuhood Abader	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	05/08/18	News	Holding her own on African hydropower sites	Shanthini Naidoo	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	05/08/18	News	Doctor battled AIDS denialism to save many lives	Claire Keeton	Original
Sunday Times	Tiso Blackstar	Weekly	Sunday	28/10/18	News	Skeletons in the cupboard	Tanya Farber	Original based on lead
Sunday Times	Tiso Blackstar	Weekly	Sunday	07/10/18	Insight	Lifestyle that can kill	Sipokazi Fokazi	Original based on SAMRC lead
Sunday Times	Tiso Blackstar	Weekly	Sunday	07/10/18	Insight	Honeybees having a wild time	Claire Keeton	Original based on research
Sunday Times	Tiso Blackstar	Weekly	Sunday	26/08/18	News	Base instincts: Marion Island feels unsafe	Bobby Jordan	Original based on complaints raised
Sunday Times	Tiso Blackstar	Weekly	Sunday	30/09/18	News	French art's ancient roots	None	Sci-Bono discovery Centre
Sunday Times	Tiso Blackstar	Weekly	Sunday	05/08/18	News	No place for women in engineering	Shanthini Naidoo	Original

Source Type	Theme	Topic	Summary
Original story or original based on lead	Engineering Sciences	Drones	High-tech thermal imaging drones used to monitor cattle
Original story or original based on lead	Zoology	Entomology	New bug to eat alien plants released into the Midmar Dam
Original story or original based on lead	Environment and Ecology	Climate change	Beaches are being eroded at St Francis Bay and rocks put in to stop erosion
Original story or original based on lead	Environment and Ecology	Conservation	People need to protect 30% of the world's oceans by 2030 says Pugh
Original story or original based on lead	Environment and Ecology	Conservation: 3Rs	Plastics that can and cannot be recycled
Original story or original based on lead	Anthropology and Archaeology	Archaeology	New science exhibition transports you to ancient world
Original story or original based on lead	Health Sciences	Surgery	New trial to transplant stool to help sick kids
Original story or original based on lead	Health Sciences	NCDs	New research shows that poorer people consumer more sugary drinks, detrimental
Original story or original based on lead	Environment and Ecology	Climate change	People should farm and eat indigenous plants like fynbos to secure food
Original story or original based on lead	Engineering Sciences	Virtual Reality	Medical and science students using VR technologies
Original story or original based on lead	Environment and Ecology	Conservation	New dog unit to combat the poaching of pangolin
Original story or original based on lead	Environment and Ecology	Conservation	Two lion cubs conceived through non-artificial insemination
Original story or original based on lead	Environment and Ecology	Conservation	First hand account from an abalone poacher - abalone is running out
Original story or original based on lead	Science and Technology	Women in STEM	Holding her own on African hydropower sites
Original story or original based on lead	Science and Technology	Women in STEM	Pioneer scientist cutting the transmission of HIV
Original story or original based on lead	Anthropology and Archaeology	Anthropology	Scientist has digitised UCT's skeletal collection
Original story or original based on lead	Health Sciences	NCDs	Different race groups eating patterns puts them at risk of diabetes, cancer
Original story or original based on lead	Zoology	Entomology	SA fortunate to have so many wild bees
Original story or original based on lead	Environment and Ecology	Climate change	Issues at base station are being tackled
Original story or original based on lead	Anthropology and Archaeology	Rock art	Palaeolithic cave art on display at Sci-Bono
Original story or original based on lead	Science and Technology	Women in STEM	Head of SAICE says there is no place in engineering for women

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone
Thermal-imaging drones deployed against stock thieves	News	South Africa	Local	No	Yes	Yes	Informative
None	News	KZN, South Africa	Local	No	Yes	Yes	Factual, informative
None	News	Eastern Cape, South Africa	Local	Yes	Yes	Yes	Informative, contentious, alarming
Lewis Pugh...swims in the coldest waters to draw attention to global warming...	News	Cape Town, South Africa	Local	No	Yes	Yes	Factual, informative, quirky, call to action
Mandatory recycling has come to Jhb and households are taking it up	Feature	South Africa	Local	No	Yes	Yes	Factual, informative, quirky
Ancestors had lots of time to write years ago	Feature	Cape Town, South Africa	Local	No	Yes	Yes	Factual, quirky
Stool transplants could help sick kids	Feature	CT, SA	Local	No	Yes	Yes	Informative, quirky
Colour of sickness	Feature	Cape Town, South Africa	Local	No	Yes	Yes	Factual, informative, alarming
None	News	Cape Town, South Africa	Local	Yes	Yes	Yes	Factual, informative, quirky, call to action
None	Feature	Jhb, CT, SA	Local	No	Yes	Yes	Factual, quirky
None	News	Magaliesburg, SA	Local	No	Yes	Yes	Factual, informative, alarming, quirky
None	News	Pta, NW, SA	Local	No	Yes	Yes	Factual, inspirational
Explosion in abalone poaching funded by syndicate and drug money	Feature	Cape Town, South Africa	Local	Yes	Yes	Yes	Informative, contentious, alarming
None	News	KZN, South Africa, Africa	Local	Yes	Yes	Yes	Inspirational
None	News	Cape Town, South Africa	Local	No	Yes	Yes	Inspirational
A project to digitise human skeletal collection at UCT sheds light on darkest corners	News	Cape Town, South Africa	Local	No	Yes	Yes	Factual, informative, quirky
Researchers have examined how race groups behave at mealtimes...	Feature	South Africa	Local	No	Yes	Yes	Factual, informative, hopeful
In SA honeybees are living wild and strong from CT to Jhb	Feature	CT, Jhb, South Africa	Local	Yes	Yes	Yes	Factual, informative
Shortages, harrowing team dynamics beset isolated station	News	CT, Marion Island, SA	Local	Yes	Yes	Yes	Informative, contentious
None	News	South Africa, France	Glocal	No	Yes	Yes	Striking, quirky
Industry head causes storm with remarks about caring carers	News	South Africa	Local	No	Yes	Yes	Factual, informative, contentious

Tone Categorized	Power Elite	Quoted in the story
Factual	No	Farmers, Deputy CEO
Factual	Yes	Scientists, researchers, environmentalists, government officials
Alarming	Yes	Experts, engineers, project manager, famous Hulett family, Mayor
Factual	Yes	Prof. Tim Noakes, Lewis Pugh and his wife and team
Factual	Yes	Operations Manager, recycling resident, Depot Manager
Factual	Yes	Scientist, researcher and diver
Factual	Yes	Researchers, doctors and scientists
Factual	Yes	Scientists, researchers
Factual	No	Landscaper, restaurant owner
Factual	Yes	Communications coordinator from UCT, professor from Wits, VT pioneer
Factual	Yes	Professor, Foundation Director, veterinarian
Inspirational	Yes	Experts and scientists
Inspirational	No	Abalone poacher
Inspirational	Yes	Female engineer
Inspirational	Yes	Female top leading scientist and doctor, president, award winner, honoured
Factual	Yes	Professors and scientists, vice-chancellor
Factual	Yes	Scientists, researchers
Factual	Yes	Scientists, researchers, beekeepers,
Alarming	Yes	Scientists, researchers, expedition coordinators, spokespersons
Alarming	No	None
Factual	Yes	CEOs, engineers, professionals

Mentions and Associations	Drama or Contention
Agri SA, SAPS	No
Rhodes University, Biological Control Release Application Review Committee	No
St Francis Bay Property Owners, Kouga Municipality, ECDEA	Yes - Town will disappear if more erosion takes place
British Prime Minister, Labour Party, Conservative Party	Yes - cannot fail or die, life-threatening
Phambili Recycling Services	No
Wits, Spier Wine Estate	No
UCT, Livingstone Hospital, Red Cross Children's hospital, Thrive, Washington University	Yes - stool transplants can save lives
Journal of Obesity	Yes - health emergency, alarmingly high, detrimental
Local Wild, Wolfgat restaurant	No
Wits, UCT, VR pioneer, Red Cross Children's Hospital	No
SANParks, Ichikowitz Family Foundation, African Pangolin Working Group, Jhb Wildlife Veterinarian Hospital	Yes - poachers can kill, are dangerous
UP, Ukutela Conservation Centre and Biobank	No
SAPS	Yes - poacher nearly eaten by sharks
University of KwaZulu Natal	No
HIV Perinatal Research Unit, HIV Vaccine Trials Network, Global Alliance for Chronic Diseases	No
UCT	Yes - illegal skeleton given to UCT will be returned to community
SAMRC	Yes - lifestyle that can kill
SA Bee Industry Organisation, Southern Beekeeping Association	No
DST, NRF, DEA, SANAP	Yes - sexual harassment, people nearly died due to failed generators, food shortages
Sci-Bono Discovery Centre	No
SA Institute of Civil Engineering, Aurecon Africa	Yes - face off between Pillay and other engineers and the public

Page No	Position on Page	Headline Size	Sub-headings	Visuals
8	Top third of page	Tier 1	Pull-out quote and newsbyte with stats and numbers	Drone in action
10	Centre right of page	Tier 2	None	Environmentalist releasing larvae into river
8	Second half of page	Tier 2	Statistics	Four beautiful pictures of the homes and beaches
3	Full page	Tier 1	Tips to protect the oceans	Four pictures of Lewis Pugh in action
16	Full page	Tier 1	Pull-out quote and newsbyte with stats and numbers	Four striking visuals of how a plastic bottle is recycled
15	Full page	Tier 1	Time trip explanatory note	Images from the exhibition of artefacts
9	Top of page	Tier 1	Pull-out quote and newsbyte with stats and numbers	Infographic and two profile pics of researchers
17	Bottom right corner	Tier 2	Infographic	Infographic that summarises the research
9	Top right quadrant	Tier 2	Pull-outs of numbers and stats	Landscaper and activist with the plants
10	Right column	Tier 2	Pull-out quote and newsbyte with stats and numbers	Medical student with VR glasses in lab
10	Top right quadrant	Tier 2	Pull-out quote and newsbyte with stats and numbers	Pangolin and rescue dog and small pic of a pangolin
6	Centre of page	Tier 4	None	Pic of lion cub and scientists working on lioness in lab
17	Full page	Tier 1	Pull-out quote and newsbyte with stats and numbers	Poacher at the ocean and abalone
18	Left column	Tier 2	None	Profile picture of the engineer
18	Right column	Tier 3	None	Profile picture of the scientist and doctor
25	Full page	Tier 1	Pull-out quotes and newsbyte from VC	Scientist, skeletons and VC
17	Three quarters of page	Tier 1	Seven tips to avoided cardio-metabolic diseases	Two images of people who had unhealthy lifestyles
8	Full page	Tier 1	Pull-out quotes	Two pics of honeybees, a honey nest and the researchers
7	Top of page	Tier 1	Statistics	Two pictures of the base station and people working there
10	Centre right of page	Tier 4	None	Two striking pics from art exhibition
18	Top third of page	Tier 1	Pull-out quote and newsbyte with stats and numbers	Women engineers and profile pic of Pillay

Prominence of visuals	Caption	Comment
Small image	Summary of article	Source: Original based on lead from Agri SA
Not prominent	Describes people in the picture	Source: Original based on lead from Rhodes University
Most prominent on page	Summary of article	Source: Original
Main picture takes up half the page	Summary of article	Source: Original based on release of new book
Most prominent on page	Describes process of recycling a bottle	Source: Original based on invitation of Phambili
Most prominent on page	Description of artefacts in pictures	Source: Original based on research and lead
Second most prominent on page	Summary of article	Source: UCT, Red Cross Children's Hospital
Third most prominent on page	Summary of article	Source: Original based on research
Most prominent on page	Summary of article	Source: Original
Most prominent on page	Summary of article	Source: Original based on release from Wits University Origins Centre
Most prominent on page	Summary of article	Source: Original based on tip off
Most prominent on page	Deep caption explains the research	Source: University of Pretoria
Most prominent on page	Summary of article	Source: Original
Second most prominent on page	Summary of article and pull-out quote	Source: Original (Women's Day)
Third most prominent on page	Summary of article	Source: Original (Women's Day)
Main picture takes up half the page	Summary of article and pull-out quotes	Source: Original based on lead
Main picture takes up half the page	Summary of article and pull-out quotes	Source: Original based on research from the SAMRC
All four images prominently displayed	Describes different bees, nests and summary of article	Source: Original based on research
Most prominent on page	Summary of article	Source: Original based on tip-off
Most prominent on page	Describes art	Source: Sci-Bono Discovery Centre
Not prominent	Summary of article and pull-out quote	Source: Original based on public outcry (Women's Day)

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	Lifestyle	3D print prototype made for bionic eye	None	IANS
The Saturday Star	Independent Newspapers	Weekly	Saturday	06/10/18	News	Health compromised by Boipatong sewage stench	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	13/10/18	Lifestyle	Hope to halt dementia	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Lifestyle	Venom for itch	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	Metro	Nature outrage	None	None
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	Lifestyle	Safest level of alcohol consumption is none	None	Washington Post
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Activists pick out fishy claim	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Lifestyle	Blood breakthrough a sweet innovation	Duncan Guy	Original based on release from Dexcom G6
The Saturday Star	Independent Newspapers	Weekly	Saturday	13/10/18	News	Climate change apocalypse	Sheree Bega	UN IPCC
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Lifestyle	This smart T-shirt could save your life	None	Original based on release from Servier
The Saturday Star	Independent Newspapers	Weekly	Saturday	08/09/18	News	Helping elephants dodge the bullets	Sheree Bega	Original based on research from the University of Hong Kong
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	Metro	How to work out better	Gabriella Boston	Washington Post
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	Revival of iconic ocean giants	Patrick Whittle	AP/ANA
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	Adventures of kucki shed light on flamingos and powerlines	Sheree Bega	Original based on research from EWT
The Saturday Star	Independent Newspapers	Weekly	Saturday	11/08/18	Feature	Jukskei: it's not a sewer, it's a river	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Lifestyle	SA hops to first conservation mission of its kind	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	Metro	How to cut cancer risk	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Project aiming to unlock secrets of the Universe	Arthi Gopi	Original based on release from SKA
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Metro	How to monitor your blood pressure	None	IANS
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	News	Gene mutation turned humans into long distance runners	None	ANA/Xinhua
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Study highlights pollution risk to children in prams	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Claws out over DEA jumping gun on leopard hunting	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Gene testing puts your health back in your hands	Karishma Dipa	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Aliens at the edge of the garden	Shaun Smillie	Original based on tip-off from Wits University
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	Lifestyle	Pre-empting epilepsy	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Lifestyle	How to ward off diabetes	None	IANS
The Saturday Star	Independent Newspapers	Weekly	Saturday	08/09/18	Metro	Engineering body CEO quits	Staff Reporter	None
The Saturday Star	Independent Newspapers	Weekly	Saturday	08/09/18	Metro	China launches marine satellite	None	Xinhua/Nan
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	Metro	Revelling in relaxation	None	IANS
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Metro	Hope for healing	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	Metro	Goats are complex - research	None	Washington Post
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	News	Ancient brewery discovered	None	DAP/NAN
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	Safeguarding biodiversity as the window narrows	Sheree Bega	Original based on event
The Saturday Star	Independent Newspapers	Weekly	Saturday	27/10/18	News	Klip River fish can cause cancer	Sheree Bega	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Low and high carb diets have health risks	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	You're more likely to get flu from a fat person	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	News	Aragorn takes a chance	None	Washington Post
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	3200 year old cheese unearthed by archaeologists	Penny Bickle	The Conversation
The Saturday Star	Independent Newspapers	Weekly	Saturday	20/10/18	World	Ready for edible cotton-seed?	None	Reuters/ANA
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	SA's child malnutrition rate increasing alarmingly	Charmain Lines	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	News	Sunshine Pill the best	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	08/09/18	Metro	Phones can transmit viruses, germs, expert warns	None	Nan
The Saturday Star	Independent Newspapers	Weekly	Saturday	27/10/18	News	Hope for dead retrieved from sea	Shaun Smillie	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	11/08/18	News	Political will needed to fix Jukskei	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	13/10/18	News	No black scientist has ever won a Nobel prize	Winston Morgan	The Conversation
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	Opinion	Medical doctor develops convenient luxury jet	Valencia Govindasa	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	04/08/18	News	Pugh completes epic lengthways Channel Swim	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	13/10/18	News	Dying quiver trees raise spectre of extinction	Sheree Bega	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	27/10/18	News	Suburban rubble fills Diepsloot	Sheree Bega	Original

The Saturday Star	Independent Newspapers	Weekly	Saturday	27/10/18	News	Tito to Vaal pollution rescue	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	01/09/18	News	Sewage-infested Vaal River is the state's fault	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	18/08/18	News	Facts show thriller 'The Meg' has bitten off more than it can che	Duncan Guy	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	Environme	Dung beetles may revive mines	Shaun Smillie	Original based on research
The Saturday Star	Independent Newspapers	Weekly	Saturday	06/10/18	News	Vaal sewage spills killing rivers	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	22/09/18	Lifestyle	Less rhino poaching in past year	Sheree Bega	Original based on stats
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Metro	Water to urine time	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	15/09/18	Metro	Perking up sperm quality	None	Daily Mail
The Saturday Star	Independent Newspapers	Weekly	Saturday	29/09/18	Environme	Two headed snake found in the US	None	AP
The Saturday Star	Independent Newspapers	Weekly	Saturday	27/10/18	News	Male penguin pair dote on foster chick	None	Sputnik/ANA
The Saturday Star	Independent Newspapers	Weekly	Saturday	20/10/18	World	Piranha-like fish menaced Jurassic seas	None	Reuters/ANA
The Saturday Star	Independent Newspapers	Weekly	Saturday	22/09/18	News	How to head off Day Zero	Sheree Bega	Original based on lead from Wits University
The Saturday Star	Independent Newspapers	Weekly	Saturday	08/09/18	News	R20 million boost to turn tide on Vaal sewage	Sheree Bega	Original
The Saturday Star	Independent Newspapers	Weekly	Saturday	20/10/18	News	Palm oil cultivation in Africa poses threat to forests	Sheree Bega	Original based on research from University of Stellenbosch

Source Type	Theme	Topic	Summary
Newswire	Health Sciences	Ophthalmology	New 3D bionic eye will benefit humankind in the near future
Original story or original based on lead	Environment and Ecology	Water pollution	Sewage in rivers in Boipatong, Sharpeville
International newspaper	Health Sciences	Dementia	New drug may help to combat Alzheimer's
International newspaper	Health Sciences	Dermatology	Bee venom takes away the itchiness of eczema
Newswire	Zoology	Cats	Ban on cats to protect wildlife
International newspaper	Health Sciences	Nutrition	No amount of alcohol is good for you
Original story or original based on lead	Environment and Ecology	Water pollution	Activists accuse NDSW of misleading public re: death of fish in river
Original story or original based on lead	Health Sciences	NCDs	New device contiguously monitors blood sugar levels
Original story or original based on lead	Environment and Ecology	Climate change	Report highlights that SA may be in trouble re: climate change
Original story or original based on lead	Health Sciences	NCDs	New tech T-shirt monitors heart activity and sends data to app
Original story or original based on lead	Environment and Ecology	Conservation	Future of African elephants in hands of Hong Kong Officials
International newspaper	Health Sciences	Pain	How to distinguish good pain from bad pain
Newswire	Zoology	Tuna fish	Increased quotas to catch blue fin tuna may put species at risk again
Original story or original based on lead	Zoology	Flamingos	Flight and behaviour patterns of lesser flamingos
Original story or original based on lead	Environment and Ecology	Water pollution	Jukskei is toxic and full of rubbish
Original story or original based on lead	Zoology	Frogs	Vets want to save a specific species of frog
International newspaper	Health Sciences	NCDs	Greens can reduce risk of bowel cancer
Original story or original based on lead	Astronomy	SKA	New SKA project will benefit local communities
Newswire	Health Sciences	NCDs	New app to monitor blood pressure
Newswire	Health Sciences	Genetics	The mutation of a gene 2-3 million years ago made humans fast runners
International newspaper	Environment and Ecology	Air pollution	Kids in prams more exposed to air pollution
Original story or original based on lead	Environment and Ecology	Conservation	NDEA approved a quota for the number of leopards that could be hunted, sho
Original story or original based on lead	Health Sciences	Genetics	Company working with individuals to tailor their genes
Original story or original based on lead	Botany	Alien plants	Scientist growing alien plants in her lab to see if it interferes with local flora
International newspaper	Health Sciences	Neurology	Electronic chip printed in brain could prevent epileptic fits
Newswire	Health Sciences	NCDs	Eat wholegrains regularly to ward off diabetes
Newswire	Science and Technology	Women in STEM	SAICE CEO resigns after writing scathing article about women in engineering
Newswire	Astronomy	Ocean Science	China launched a new satellite to monitor oceans
Newswire	Health Sciences	Neurology	People are prone to choose laziness over activity
International newspaper	Health Sciences	Surgery	Cuts in mouth heal very quickly
International newspaper	Zoology	Goats	Goats are smarter than we think
Newswire	Anthropology and Archaeology	Archaeology	World's oldest production site of alcohol
Original story or original based on lead	Environment and Ecology	Biodiversity	We must safeguard biodiversity before it is too late
Original story or original based on lead	Environment and Ecology	Water pollution	People can get cancer if they eat fish from the Klip River
International newspaper	Food and Nutrition Science	Nutrition	Cutting out carbs results in early death
International newspaper	Health Sciences	Viruses	Fat people stay infectious for longer
International newspaper	Health Sciences	Neurology	Research on two monkeys show that section of brain prone to taking high risk
Syndicated Media	Anthropology and Archaeology	Archaeology	Archaeologists find 3200 year old cheese
Newswire	Agricultural Science	Genetic engineering	Cottonseed engineered to eliminate harmful chemical to make it edible
Original story or original based on lead	Food and Nutrition Science	Malnutrition	Malnutrition is on the increase in SA
International newspaper	Health Sciences	Neurology	New Vitamin D pill may prevent migraines
Newswire	Health Sciences	Viruses	Viral infections can be spread via phones
Original story or original based on lead	Health Sciences	Genetics	Researchers trying to extract DNA from corpses found on SA's shores
Original story or original based on lead	Environment and Ecology	Water pollution	Jukskei is a dump ground and DWS and municipalities won't do anything about
Syndicated Media	Science and Technology	Science - Nobel Prize	No Black scientist has won a Nobel prize
Original story or original based on lead	Engineering Sciences	Aeronautical engine	Surgeon developed a combined helicopter and aeroplane
International newspaper	Environment and Ecology	Water pollution	Lewis Pugh does the Long Swim to raise awareness of water pollution
Original story or original based on lead	Environment and Ecology	Climate change	Major paper shows impact of climate change on biodiversity
Original story or original based on lead	Environment and Ecology	Water pollution	Rubble from suburbs dumped in Diepsloot

Original story or original based on lead	Environment and Ecology	Water pollution	SANDF to clean up the water pollution in the Vaal River
Original story or original based on lead	Environment and Ecology	Water pollution	Vaal river is full of sewage and government is to blame
Original story or original based on lead	Environment and Ecology	Climate change	Great white sharks face many challenges related to climate change
Original story or original based on lead	Zoology	Dung beetles	Dung beetles can revive mines as they dig into soil
Original story or original based on lead	Environment and Ecology	Water pollution	Sewage seeping into Vaal river, municipality cannot cope
Original story or original based on lead	Environment and Ecology	Conservation	Rhino poaching decreasing slowly
International newspaper	Health Sciences	Biology	25 minutes for water to pass through body
International newspaper	Health Sciences	Reproductive Health	Chemical in tomatoes may improve sperm quality
News wire	Zoology	Snakes	Two headed snake found
News wire	Environment and Ecology	Conservation	Two male penguins looking after a baby chick
News wire	Palaeosciences	Palaeontology	New fossil shows piranha-like fish with sharp teeth from South America
Original story or original based on lead	Environment and Ecology	Water	How to postpone drought
Original story or original based on lead	Environment and Ecology	Water pollution	Investing funds to stop sewage from flowing into the Vaal
Original story or original based on lead	Environment and Ecology	Conservation	Palm oil cultivation in Africa will threaten forests and animals

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone
None	News	US	International	No	Yes	Yes	Informative, inspiring
None	News	Boipatong, Jhb, SA	Local	Yes	Yes	Yes	Informative, factual, alarming
Drug might radically change the outlook for people with Alzheimer's	News	UK	International	No	Yes	Yes	Informative, factual, hopeful
None	Briefs	UK	International	No	Yes	Yes	Informative, quirky
Ban on cats to protect wildlife	Briefs	New Zealand	International	No	Yes	Yes	Informative, quirky, contentious
New study finds that if you want to be healthy, you should not drink liquor	News	US	International	No	Yes	Yes	Informative, factual
Nkwinti blasted for issuing misleading information	News	Vaal, SA	Local	Yes	Yes	Yes	Informative, alarming, call to action
New continuous monitoring device will help keep diabetes in check	News	US, SA	Glocal	No	Yes	Yes	Informative, hopeful
Sub-Saharan Africa and SA on a collision course with global warming	News	SA	Local	No	Yes	Yes	Informative, factual, alarming, call to action
None	News	UK	International	No	Yes	Yes	Informative, inspiring
Future of Africa's endangered herd is in hands of officials in Hong Kong	News	SA, China, Hong Kong	Glocal	No	Yes	Yes	Informative, factual, alarming, call to action
None	Briefs	US	International	No	Yes	Yes	Informative
Environmentalists caution fishermen to not undo years of conservation work to save the	News	South Portland, Maine	International	No	Yes	Yes	Informative, call to action
None	News	SA, Madagascar	Local	No	Yes	Yes	Informative, quirky
The waterway has become toxic - a repository for the city's sewage, litter, waste, rubble	News	Gauteng, SA	Local	Yes	Yes	Yes	Informative, alarming, call to action
None	News	KZN, Jhb, SA	Local	No	Yes	Yes	Informative, quirky
None	Briefs	UK	International	No	Yes	Yes	Informative
None	News	KZN, Karoo, SA	Local	No	Yes	Yes	Informative, factual, inspiring
Using iPhone X Mobile device	Briefs	US	International	No	Yes	Yes	Informative
None	News	USA	International	No	Yes	Yes	Informative
None	News	UK	International	No	Yes	Yes	Informative, alarming
None	News	South Africa	Local	No	Yes	Yes	Informative, alarming, call to action
None	News	SA	Local	No	Yes	Yes	Informative, quirky, contentious
Botanist collects and grows invasive plants in her lab	News	Jhb, SA	Local	Yes	Yes	Yes	Informative, factual
None	Briefs	UK	International	No	Yes	Yes	Informative, factual
Benefit from wholegrains	Briefs	Sweden, US	International	No	Yes	Yes	Informative, call to action
None	Briefs	SA	Local	No	Yes	Yes	Informative
China launches marine satellite	Briefs	China	International	No	Yes	Yes	Informative
None	Briefs	Canada	International	No	Yes	Yes	Informative
None	Briefs	UK	International	No	Yes	Yes	Informative
None	News	UK, Brazil, Germany	International	No	Yes	Yes	Informative, quirky
None	News	Israel	International	No	Yes	Yes	Informative
None	News	Pta, SA	Local	No	Yes	Yes	Informative, alarming, call to action
Fish are carrying DDT	News	South Johannesburg, Gauteng	Local	Yes	Yes	Yes	Informative, factual, alarming
Cutting out carbs results in early death	News	US, UK	International	No	Yes	Yes	Informative, factual
None	News	UK, Canada	International	No	Yes	Yes	Informative
None	News	USA	International	No	Yes	Yes	Informative, factual
None	News	Egypt	International	No	Yes	Yes	Informative
None	News	Texas, US	International	No	Yes	Yes	Informative, factual
None	News	South Africa, US	Glocal	No	Yes	Yes	Informative, factual, call to action
Vitamin D cuts frequency of migraine attaches inexpensively suggests new study	News	Denmark, UK	International	No	Yes	Yes	Informative, hopeful
Viruses and germs can be shared by sharing phones	Briefs	Nigeria	International	No	Yes	Yes	Informative, call to action
UCT researchers investigating if they can extract DNA from corpses that wash up	News	Cape Town, South Africa	Glocal	No	Yes	Yes	Informative, factual
The public needs to get involved too	News	Gauteng, SA	Local	Yes	Yes	Yes	Informative, alarming, call to action
None	Opinion	UK	International	No	Yes	Yes	Informative, call to action
None	News	SA	Local	Yes	Yes	Yes	Informative, quirky, promotional
None	News	UK, SA	Glocal	No	Yes	Yes	Informative, call to action
None	News	SA	Local	No	Yes	Yes	Informative, factual, alarming, call to action
Debris from high-end construction projects dumped illegally in township	News	Diepsloot, SA	Local	Yes	Yes	Yes	Informative, factual, distressing

Mboweni sends in SANDF to help resolve sewage crisis in river system	News	Sedibeng, South Africa, Gauteng	Local	No	Yes	Yes	Informative, factual
Residents fighting a losing battle against authorities, now headed back to court	Feature	Vaal, SA	Local	Yes	Yes	Yes	Informative, alarming, call to action
None	News	KZN, SA, US	Glocal	Yes	Yes	Yes	Informative, alarming, call to action
Their digging has sublime effects on the soil	News	SA, Australia	Glocal	Yes	Yes	Yes	Informative, quirky
Municipality ignores court orders, lacks capacity to fix growing disaster	Feature	Vaal, SA	Local	No	Yes	Yes	Informative, factual, alarming, call to action
None	Feature	KNP, KZN, SA	Local	No	Yes	Yes	Factual, hopeful
None	Briefs	UK	International	No	Yes	Yes	Informative
No	Briefs	UK	International	No	Yes	Yes	Informative
None	Briefs	USA	International	No	Yes	Yes	Informative, quirky
None	News	Australia	International	No	Yes	Yes	Informative, factual, inspiring
None	News	Germany, South America	International	No	Yes	Yes	Informative, factual, quirky
Watershed panel taps into what it means and what should be done to stave off Day 0	News	Jhb, SA	Local	No	Yes	Yes	Informative, contentious
None	News	Vaal, SA	Local	Yes	Yes	Yes	Informative, alarming
None	News	Africa	Glocal	No	Yes	Yes	Informative, factual, alarming, call to action

Tone Categorized	Power Elite	Quoted in the story
Inspirational	Yes	Researchers
Alarming	No	Residents of Boipatong and Sharpeville
Inspirational	Yes	Doctor, professor, scientists, immunologist, director of the Wolfson Drug Discovery Unit
Factual	Yes	Researchers
Alarming	Yes	Officials, residents, environment director of operations
Factual	Yes	Researchers and scientists, professor
Alarming	Yes	Activists (SAVE), Minister of DWS, DAF, Emfuleni Municipality
Inspirational	Yes	A professional living with diabetes, spokesperson, people living with diabetes, caregivers
Alarming	Yes	Activities, NGOs, professors, researchers, ecologists
Inspirational	Yes	None
Alarming	Yes	Researchers and scientists, spokesperson for Botswana government
Factual	No	None
Factual	Yes	Marine biologists, environmentalists, fishermen, programme manager
Factual	Yes	Senior Field Officer
Alarming	Yes	Microbiologist, professor who is a water expert, water experts
Factual	Yes	Veterinarians, NDEA Minister Edna Molewa
Factual	Yes	Scientist
Factual	Yes	DST Minister, Astrophysics Professor, Master's student
Factual	Yes	Researchers
Factual	Yes	Researchers
Alarming	Yes	Professors, researchers and scientists
Alarming	Yes	NDEA Minister and officials, biologist, activists
Alarming	Yes	Doctor
Factual	Yes	Botanist
Factual	Yes	Researchers
Factual	Yes	Researchers
Factual	Yes	CEO of the SAICE, President of the SAICE, Executive Board
Factual	Yes	Spokesperson
Factual	Yes	Postdoctoral researcher, scientist
Factual	Yes	Researchers
Factual	Yes	Researchers and scientists, agricultural scientist
Factual	Yes	Researchers
Alarming	Yes	Executive Secretary of the Convention on Biological Diversity
Alarming	Yes	Researchers and scientists
Factual	Yes	Professor and scientists and a Doctor
Factual	Yes	Scientists and researchers, doctor
Factual	Yes	Researcher, postdoc student and psychiatrist
Factual	Yes	Researcher and lecturer
Factual	Yes	Scientists, biotechnologists, scientists
Alarming	Yes	Scientists, researchers and WHO, NDP, Stats SA
Inspirational	Yes	Scientists
Factual	Yes	Physician and epidemiologist
Factual	Yes	Researchers and scientists
Alarming	Yes	Professor, DWS spokesperson, Armour founder, Ekurhuleni spokesperson
Factual	Yes	Professor Winston Morgan, Nobel female scientists
Factual	Yes	Surgeons, doctors
Factual	Yes	Lewis Pugh endurance swimmer, UK Environment Secretary
Alarming	Yes	Stellenbosch Professor and 18 other research co-authors
Alarming	No	Activists

Factual	Yes	Minister of Finance, activist, MEC for Human Settlements
Alarming	Yes	Environmental activists, government officials
Alarming	Yes	Education Officer
Factual	Yes	Scientists, researchers, professor and Masters students
Alarming	Yes	Activists, professor of SA Water History Archival project
Inspirational	Yes	Spokesperson, NDEA Minister
Factual	Yes	Urologist
Factual	Yes	Researchers
Factual	Yes	Herpetologist
Inspirational	Yes	Spokesperson, author
Factual	Yes	Researchers, palaeontologist
Alarming	Yes	Scientists and Researchers
Alarming	Yes	Municipality spokesperson, DWS spokesperson, President, Save the Vaal activist
Alarming	Yes	Professor and scientists

Mentions and Associations	Drama or Contention	Page No
University of Minnesota	No	14
None	Yes - people are dying because of sewage everywhere	11
University College London, Exeter University	No	13
None	No	15
Omaui City in New Zealand	Yes - contentious	5
University of Washington	No	14
Activists (SAVE), Minister of DWS, DAF, Emfuleni Municipality	Yes - contention between Ministry and activists	2
Dexcom G6, International Diabetes Federation	No	15
UN IPCC, CSIR, Wits University, Groundwork, Friends of the Earth SA, Centre for Environmental Rights, National Planning Commission, Energy Demo	Yes - major impact if we do not act now	10
Servier	No	15
CITES, University of Hong Kong, Elephants without Borders, Botswana Government	Yes - African elephants at risk, over 50 carcasses found dead in Botswana	10
None	No	13
Ocean Foundation, the Pew Charitable Trusts, WWF	Yes - contention between fishermen and environmentalists	18
EWT, Eskom	No	4
University of Pretoria, City of Joburg, Action for Responsible Management of our rivers (ARMOUR), DWS, JDA, residents	Yes - foetuses and human carcasses found in rivers	13
Jhb Zoo, Endangered Wildlife Trust, Ezemvelo Wildlife, NDEA	Yes - excitement as they saved the species	11
Francis Krick Institute	No	13
DST, UKZN, SKA, HartRAO	No	8
Michigan State University	No	15
Royal Society, University of California San Diego School of Medicine	No	9
University of Surrey, Centre for Ecology and Hydrology UK	No	9
NDEA, EWT, Landmark Foundation, Professional Hunters Association of SA	Yes	4
DNAnalysis	No	10
Wits University	No	8
University of Cambridge	No	14
Charmers University, Sweden	No	15
SAICE	Yes - CE quits, misogynistic remarks	5
State Administration of Science, Technology and Industry for National Defence	No	10
University of British Columbia	No	13
None	No	15
Queen Mary University, University of Sao Paulo, Leibniz Institute for Farm Animal Biology	No	19
Haifa University	No	5
NDEA, Biodiversity Research and Evidence Indaba, UN	Yes - "jeopardise humanity's survival, biodiversity loss looks dramatic"	7
North West University, Water Research Group, Hokkaido University, University of Gandar, Department of Environmental Affairs	Yes - eating this fish can cause cancer	10
Harvard School of Public Health, Quadrum Institute for Food Research Centre UK	No	10
University of Michigan School of Public Health	No	10
Johns Hopkins University, Florida Institute of Technology	No	10
University of York, UK	No	19
US Department of Food and Agriculture, Texas A&M University, Texas A&M Agrilife Research	No	9
WHO, NDP, Stats SA	No	4
Aalborg University Denmark, King's College Hospital UK	No	13
Kwara Ministry of Health, Nigeria	No	10
UCT	No	5
Action for Responsible Management of our rivers (ARMOUR), DWS, Ekurhuleni metro	Yes - pointing fingers re: clean-up of Jukskei	8
Nobel Prize, University of East London	No	5
Pegasus UA Unlimited	No	5
SAS, UK Government	No	18
University of Stellenbosch, International Union for Conservation and Natural Resources and Species Survival Commission	Yes - species are dying out	10
Greater Kyalami Conservancy, Wassup, AMOUR, Joburg Water and Sanitation	No	10

Treasury, SAVE the Vaal Environment, COGTA, Sedibeng Municipality, Emfuleni	No	4
Emfuleni municipality, Save the Vaal Environmental Group, SAHRC, Federation for a Sustainable Environment, Rand Water, COGTA, NDWS, NDEA, SA	Yes - residents versus state	13
Ushaka Marine World	No	8
University of Pretoria, Wits University	No	6
Emfuleni municipality, Save the Vaal Environmental Group, SAHRC, Federation for a Sustainable Environment, Rand Water, NWU, NDWS, NDEA	Yes - fish, frogs and all animal life dying in the river	11
KNP, SANParks, NDEA	No	15
None	No	15
None	No	15
None	Yes - snake has two heads and both are venomous	6
Sydney Sea Life Aquarium	No	9
Jura-Museum Eichstatt, Germany	No	9
Wits University, Gauteng City Region Observatory, WRP engineers	Yes - day zero	6
Department of Water and Sanitation, Sebokeng Waste Water Care Works, SIU, Presidency, Save the Vaal NGO	Yes	10
Stellenbosch University, EU-JRC	No	10

Position on Page	Headline Size	Sub-headings	Visuals	Prominence of visuals
Left column	Tier 2	None	3D printed bionic eye	Second most prominent on page
Bottom third of page	Tier 2	None	A lake of sewage at a cemetery in Sharpeville	Third most prominent on page
Two thirds of page	Tier 1	None	Backs of two elderly patients holding hands	Most prominent on page
Top of page	Tier 4	None	Bees	Second most prominent on page
Right column	Tier 3	None	Cats drinking milk	Not prominent
Top half of page	Tier 1	None	Celebrity drinking alcohol	Most prominent on page
Top third of page	Tier 1	None	Dead fish from Vaal River	Most prominent on page
Two thirds of page	Tier 1	None	Diabetes test	Most prominent on page
Two thirds of page	Tier 1	None	Dry dam in Cape Town	Most prominent on page
Left column	Tier 2	None	ECG monitor	Second most prominent on page
Two thirds of page	Tier 1	Slaughter underlines the threat	Elephant and elephant tusks	Most prominent on page
Right column	Tier 2	Good pain or bad	Feet	Third most prominent on page
Two thirds of page	Tier 1	Blue fin facts	Fisherman with huge tuna hauled onto a boat (2 images)	Most prominent on page
Top right quadrant	Tier 2	None	Flamingos and a flight map	Second most prominent on page
Full page	Tier 1	Pull-out quote	Four images of a polluted Jukskei River and one of buildings	Most prominent on page
Bottom third of page	Tier 2	Under threat - Pickersgill reed frog	Frog	Second most prominent on page
Right column	Tier 2	Lots of greens can reduce risk of getting bowel cancer	Greens on toast	Second most prominent on page
Centre of page	Tier 2	None	Group pic of team working on project	Second most prominent on page
Right column	Tier 3	Using iPhone X Mobile Device	iPhone X	Not prominent
Bottom left	Tier 5	None	Kenyan athlete how won the NYC and Boston marathons	Third most prominent on page
Top third of page	Tier 2	None	Kids in prams	Second most prominent on page
Left column	Tier 2	Pull-out quote	Leopard	Second most prominent on page
Bottom left quadrant	Tier 3	None	Man smiling	Second most prominent on page
Top half of page	Tier 1	Pull-out quote	Muti market	Most prominent on page
Centre of page	Tier 6	None	None	None
Right column	Tier 3	Benefit from wholegrains	None	None
Right column	Tier 4	None	None	None
Left column	Tier 4	None	None	None
Bottom right	Tier 3	Lots of greens can reduce risk of getting bowel cancer	None	None
Middle of page	Tier 4	None	None	None
Right column	Tier 4	None	None	None
Bottom right	Tier 3	None	None	None
Bottom third of page	Tier 2	None	None	None
Bottom third of page	Tier 2	Health Risks	None	None
Right column	Tier 1	None	None	None
Centre of page	Tier 3	None	None	None
Bottom right quadrant	Tier 3	None	None	None
Bottom third of page	Tier 2	None	None	None
Bottom right quadrant	Tier 6	None	None	None
Bottom third of page	Tier 4	None	Obese kids	Third most prominent on page
Top centre	Tier 1	None	People getting sunshine on the beach	Most prominent on page
Left column	Tier 4	None	Picture of phone	Third most prominent on page
Top half of page	Tier 1	None	Pictures of dead animals under water	Most prominent on page
Top right quadrant	Tier 1	Jukskei river facts	Polluted Jukskei River	Most prominent on page
Right column	Tier 3	None	Profile picture of author	Second most prominent on page
Bottom half of page	Tier 2	None	Prototype of helicopter jet	Second most prominent on page
Bottom third of page	Tier 2	What inspires Lewis Pugh?	Pugh walking out of water	Third most prominent on page
Bottom third of page	Tier 2	Affected species	Quiver trees in the Northern Cape	Second most prominent on page
Two thirds of page	Tier 1	Hotspots	Rubble in Diepsloot	Most prominent on page

Middle half of page	Tier 1	Sidebar: Loch Vaal at crisis point	Sewage in the Vaal River	Most prominent on page
Full page	Tier 1	Department responds, What is it, Vaal River Facts, pull-o	Sewage in the Vaal River	Most prominent on page
Bottom third of page	Tier 3	None	Shark	Third most prominent on page
Top half of page	Tier 1	None	Three images of dung beetles rolling dung balls	Most prominent on page
Two thirds of page	Tier 1	Quality of Vaal in poor state, How it happened, No actio	Three images of pollution at the Vaal, with one activist	Most prominent on page
Bottom third of page	Tier 2	No of killings and no of cases on court roll	Tiny picture of back of rhino	Not prominent
Middle of page	Tier 4	None	Toilet infographic	Not prominent
Middle of page	Tier 4	None	Tomatoes reddening	Not prominent
Left column	Tier 3	None	Two headed snake	Second most prominent on page
Bottom of page	Tier 5	None	Two penguins interacting	Small image
Bottom left quadrant	Tier 6	None	Two reconstructions of the fossil fish	Second most prominent on page
Two thirds of page	Tier 1	Pull-out quote from Mike Muller	Water dripping from tap	Most prominent on page
Bottom third of page	Tier 2	Update on Hammanskraal Water contamination with ch	Water dripping from tap	Third most prominent on page
Bottom third of page	Tier 2	None	Worker with palm oil fruit in Indonesia	Second most prominent on page

Caption	Comment
Summary of article	Source: IANS
Summary of article	Source: Original
Summary of article	Source: Daily Mail, AP
None	Source: Daily Mail
None	Source: News wire
Describes celebrity who featured in a movie	Source: Washington Post
Summary of article	Source: Original
Summary of article	Source: Dexcom G6
Describes dry dam and water shortages in CT	Source: Original based on UN IPCC Report
Summary of article	Source: Servier
Summary of article	Source: University of Hong Kong, Elephants Without Borders
None	Source: Washington Post
Summary of article	Source: AP/ANA
Description of flamingo in picture	Source: Original based on EWT research
Summary of article	Source: Original
Summary of article	Source: Original
None	Source: Daily Mail
Summary of article	Source: SKA
None	Source: Michigan State University, IANS
Summary of article	Source: Xinhua News Agency / ANA
Summary of article	Source: Daily Mail
Describes leopard	Source: Original
Summary of article	Source: Original
Summary of article	Source: Original based on release from Wits University
None	Source: Daily Mail
None	Source: Chalmers University, IANS
None	Source: SAICE
None	Source: Xinhua News Agency / NAN
None	Source: IANS
None	Source: Daily Mail
None	Source: Washington Post
None	Source: DAP / ANA
None	Source: Original based on event (NDEA conference)
None	Source: Original based on research from NWU
None	Source: Daily Mail
None	Source: Daily Mail
None	Source: Washington Post
None	Source: The Conversation
None	Source: Reuters / ANA
Summary of article	Source: Original based on report
Summary of article	Source: Daily Mail
None	Source: NAN
Summary of article	Source: Original based on research from UCT
Summary of article	Source: Original
None	Source: University of East London, The Conversation
Summary of article	Source: Original
Summary of article	Source: Daily Mail
Quiver trees in Northern Cape dying out	Source: Original based on Stellenbosch University research
Summary of article	Source: Original

Describes the sewage that pollutes the water	Source: Original
Summary of article	Source: Original
Summary of article	Source: Original
Describes the actions of the dung beetles in the	Source: Original based on release from UP
Summary of article	Source: Original
None	Source: NDEA
None	Source: Daily Mail
None	Source: Daily Mail
None	Source: AP
Summary of article	Source: Sydney Sea Life Aquarium/Sputnik/ANA
Summary of article	Source: Reuters / ANA
Summary of article	Source: Wits University
None	Source: Original
Describes picture of worker holding fruit	Source: Original based on research from Stellenbosch University

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline
The Sunday Independent	Independent Newspapers	Weekly	Sunday	23/09/18	Environment	Elephant poaching on the increase	Dr Louise De Waal
The Sunday Independent	Independent Newspapers	Weekly	Sunday	23/09/18	Influence	Fly me to the moon	Eris Johnson and Sam Nussey
The Sunday Independent	Independent Newspapers	Weekly	Sunday	07/10/18	People	A Nobel pursuit	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	09/09/18	World	Plan Bee to save elephants	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	09/09/18	World	New Google Tool: Your Plan, Your Planet	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	14/10/18	Environment	Big lifestyle changes to curb global warming	Mark New
The Sunday Independent	Independent Newspapers	Weekly	Sunday	09/09/18	Influence	Watershed programme at Wits for all	Prof. Lenore Manderson
The Sunday Independent	Independent Newspapers	Weekly	Sunday	16/09/18	News	Drawing on new perspective	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	26/08/18	News	Preservation of image of SA at stake	Fred Kockott
The Sunday Independent	Independent Newspapers	Weekly	Sunday	16/09/18	News	Helping endangered frogs hop to safety	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	19/08/18	Dispatches	Peaceful use of nuclear technology	Prof. Tshilidzi Marwala
The Sunday Independent	Independent Newspapers	Weekly	Sunday	26/08/18	Dispatches	Nuclear technology for Africa's economic development	Sandisiwe Ncemane
The Sunday Independent	Independent Newspapers	Weekly	Sunday	09/09/18	Influence	Mining in the Fourth Industrial Revolution	Prof. Tshilidzi Marwala
The Sunday Independent	Independent Newspapers	Weekly	Sunday	16/09/18	Opinion	The knowledge evolution	Frans Baleni
The Sunday Independent	Independent Newspapers	Weekly	Sunday	16/09/18	News	First moon flight tourist signs up with SpaceX	None
The Sunday Independent	Independent Newspapers	Weekly	Sunday	23/09/18	Business	Helping the deaf hear with a smart wristband	Luyolo Mkentane
The Sunday Independent	Independent Newspapers	Weekly	Sunday	07/10/18	News	First HIV+ Liver transplant heralds a new era	Dr Harriet Etheredge, Dr June Fabian, Dr Jean Botha
The Sunday Independent	Independent Newspapers	Weekly	Sunday	26/08/18	News	MDR TB now curable in children	Latoya Newman
The Sunday Independent	Independent Newspapers	Weekly	Sunday	07/10/18	News	Candidate vaccine could give TB the needle	Lerato Diale

Source	Source Type	Theme	Topic
#HandsOffOurWildlife campaign	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Reuters	Newswire	Astronomy	Space science
Reuters	Newswire	Science and Technology	Nobel Prize: Physics
IANS	Newswire	Environment and Ecology	Conservation: Wildlife
IANS	Newswire	Environment and Ecology	Climate change
University of Cape Town, The Conversation	Syndicated Media	Environment and Ecology	Climate change
Wits University	Original story or original based on lead	Environment and Ecology	Water
Wits University	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Endangered Wildlife Trust	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Endangered Wildlife Trust	Original story or original based on lead	Zoology	Frogs
University of Johannesburg	Original story or original based on lead	Energy	Nuclear energy
Nuclear Industry Association of South Africa	Original story or original based on lead	Energy	Nuclear energy
University of Johannesburg	Original story or original based on lead	Engineering Sciences	Mining
University of Johannesburg	Original story or original based on lead	Science and Technology	Fourth industrial revolution
DPA / ANA	Newswire	Astronomy	Space science
Original based on release by Red Bull	Original story or original based on lead	Health Sciences	Deafness
Wits University	Original story or original based on lead	Health Sciences	HIV, liver transplant
Original based on release from Stellenbosch University	Original story or original based on lead	Health Sciences	TB
University of Cape Town	Original story or original based on lead	Health Sciences	TB

Summary	Blurb	Type	Proximity
Elephant poaching on the increase in Botswana as rangers have been disarmed in Chobe	Several factors blamed as Botswana hit by rise in killings; fear it may spread further south	Opinion	Botswana, South Africa
Japanese billionaire to fly to space on board Elon Musk's new Big Falcon Rocket	None	News	US, Japan
Female physicists win Nobel Physics prize for the first time	Celebration as physics prize awarded to a woman for the first time in 55 years	News	Sweden, World
Device that sounds like honeybees keeps elephants away from railway tracks	None	Briefs	India
New app will help reduce carbon footprint	None	Briefs	US
Drastic steps required to reverse global warming	Governments must implement drastic measures for people to survive in a 1.5 degree war	Opinion	South Africa
Multidisciplinary programme on water open to the public at Wits	None	Opinion	South Africa
Oldest drawing in the world found in Blombos Cave	None	Briefs	Southern Cape, South Africa
Increase in export quota of lion bones of concern to activists	Concerns prompt public hearings on captive lion breeding industry in Parliament	News	South Africa
Scientists will save the Pickersgill Reed Frog, reintroduce into the wild from Jhb to KZN	None	Briefs	KZN, South Africa
The need for nuclear engineering in SA	Learn more about nuclear energy in the Fourth Industrial Revolution	Opinion	South Africa
Africa will benefit from nuclear energy	None	Opinion	South Africa
Combine mining technology with artificial intelligence to improve mine safety	Early tech in mines must be integrated with AI to accurately monitor systems underground	Opinion	South Africa
Participate in the fourth industrial revolution or get left behind	The Fourth Industrial Revolution: an opportunity or curse for labour	Opinion	South Africa
SpaceX to announce first two passengers to fly around the moon	None	Briefs	US
New wristband to help hard of hearing people navigate the world	None	News	South Africa
First intentional HIV+ liver transplant a first for SA	None	Opinion	South Africa
MDR TB in children can be cured	None	News	South Africa
New vaccine could prevent TB	None	News	South Africa

Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorized	Power Elite	Quoted in the story
Glocal	No	Yes	Yes	Alarming, informative, call to action	Alarming	Yes	Conservationists
International	No	Yes	Yes	Quirky, informative	Factual	Yes	Billionaires like Elon Musk, Richard Branson, Jeff Bezos, Yusaku Maezawa
International	No	Yes	Yes	Informative	Factual	Yes	Scientists and researchers
International	No	Yes	Yes	Quirky, informative	Factual	Yes	Indian railway officials
International	No	Yes	Yes	Informative	Factual	Yes	Advocate for the new app
Local	No	Yes	Yes	Factual, informative	Factual	Yes	Scientists and researchers
Local	No	Yes	Yes	Informative	Factual	Yes	None
Local	No	Yes	Yes	Informative	Factual	Yes	Scientists and researchers
Local	No	Yes	Yes	Informative	Factual	Yes	Senior Officer EWT Wildlife in Trade Programme, member of Blood Lions, NDEA spokesperson
Local	No	Yes	Yes	Informative	Factual	Yes	Scientists and curators
Local	Yes	Yes	Yes	Informative	Factual	Yes	Marie Curie, Vladimir Putin, Albert Einstein, Werner Heisenberg, John Nash, Newton
Local	Yes	Yes	Yes	Promotional, informative	Factual	Yes	Deputy Minister of Energy
Local	Yes	Yes	Yes	Informative	Factual	Yes	None
Local	Yes	Yes	Yes	Informative	Factual	Yes	None
International	No	Yes	Yes	Promotional	Inspirational	Yes	Elon Musk
Local	No	Yes	Yes	Innovative, informative	Inspirational	Yes	Innovator and entrepreneur of Senso
Local	No	Yes	Yes	Inspiring, informative	Inspirational	Yes	Doctors
Local	No	Yes	Yes	Inspiring, informative	Inspirational	Yes	Researchers, scientists, professor
Local	No	Yes	Yes	Hopeful, informative	Inspirational	Yes	Scientists, researchers and doctors

Mentions and Associations	Drama or Contention	Page No
Elephants Without Borders, Botswana government officials - Wildlife & Parks, International Affairs & Cooperation, Environment, Natura Resources,	Yes - contention between government, NGOs and poachers	16
SpaceX, Virgin Galactic, Zozotown, Amazon.com, Blue Origin, US Department of Defence, NASA	No	14
University of Waterloo, Imperial College London, CERN	No	14
Northeast Frontier Railways	No	9
Google, California Academy of Sciences	No	9
Intergovernmental Panel on Climate Change, UCT researchers and scientists	Yes - humanity at risk if government's do not act speedily	15
Wits University	No	18
Wits University, University of Bergen	No	2
NDEA, Professional Hunters' Association, SA Predator Association, WWF, International Council for Game and Wildlife Conservation, SANParks, EWT,	Yes - contention between activists and hunters	7
Joburg Zoo, Endangered Wildlife Trust, Ezemvelo Wildlife	No	2
University of Johannesburg	No	13
Energy Ministry, Nuclear Industry Association of SA, Women in Nuclear SA, SA Young Nuclear Professionals Society, International Atomic Energy Age	Yes - contention between those who support and oppose nuclear energy	15
Department of Mineral Resources, University of Johannesburg	No	18
University of Johannesburg, National Union of Mineworkers South Africa	No	8
Big Falcon Rocket, SpaceX	No	9
Senso, Walter Sisulu University, Red Bull Amaphiko Academy	No	21
Wits University, Wits Donald Gordon Medical Centre, NDOH	No	5
Stellenbosch University, WHO, SA National Tuberculosis Association, SA Medical Research Council	No	5
University of Cape Town, SA Tuberculosis Initiative, Wellcome Centre for Infectious Diseases Research in Africa	No	5

Position on Page	Headline Size	Sub-headings	Visuals	Prominence of visuals	Caption
Two thirds of page	Tier 1	None	Elephants in the wild drinking water	Most prominent on page	Summary of article
Bottom third	Tier 2	None	Japanese billionaire announces his mission	Second most prominent on page	Summary of article
Top half of page	Tier 1	None	Physicist in her lab working on laser physics	Most prominent on page	Summary of article
Right column	Tier 2	None	Elephant	Third most prominent on page	None
Right column	Tier 2	None	Person in the shower	Fourth most prominent on page	None
Two thirds of page	Tier 1	None	Drought in Spain	Most prominent on page	Describes drought in Spain due to global warming
Left column	Tier 2	None	Profile image	Second most prominent on page	Byline
Centre of page	Tier 3	None	Blombos Caver	Third most prominent on page	None
Two thirds of page	Tier 1	None	Lion cubs in captive, a lion cub	Most prominent on page	Summary of article
Centre of page	Tier 3	None	Frog	Fourth most prominent on page	None
Full page	Tier 1	Pull-out quote and picture of Marie Curie	Females studying science	Most prominent on page	Need more women in science
Bottom third	Tier 2	None	Person undergoing radiation therapy	Second most prominent on page	Describes a benefit of nuclear energy
Two thirds of page	Tier 1	None	Miner underground	Most prominent on page	Safety in mines not up to scratch
Centre of page	Tier 1	None	None	None	None
Left column	Tier 6	None	None	None	None
Bottom third	Tier 3	None	Picture of the innovator	Second most prominent on page	Summary of article
Right column	Tier 3	None	None	None	None
Centre of page	Tier 2	None	Child being injected	Third most prominent on page	Summary of article
Bottom third	Tier 2	None	None	None	None

Comment
Source: #HandsOffOurWildlife
Source: Reuters
Source: Reuters
Source: IANS
Source: IANS
Source: University of Cape Town / The Conversation
Source: Prof. Lenore Manderson, Wits University
Source: Wits University, University of Bergen
Source: Original
Source: Endangered Wildlife Trust
Source: Prof. Tshilidzi Marwala, University of Johannesburg
Source: Nuclear Industry Association of South Africa
Source: Prof. Tshilidzi Marwala, University of Johannesburg
Source: University of Johannesburg
Source: DPA / ANA
Source: Original based on release from Red Bull
Source: Wits University, WDGMC
Source: Stellenbosch University
Source: University of Cape Town

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline
Mail & Guardian	M&G Media Ltd	Weekly	Friday	28/09/18	News	New light on old civilisations	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	28/09/18	Business	Coca-Cola's green drive in SA skids on plastic scarcity	Tebogo Tshwane
Mail & Guardian	M&G Media Ltd	Weekly	Friday	10/08/18	Women in engineering	Old boys club still dominates engineering	Wiebke Toussaint
Mail & Guardian	M&G Media Ltd	Weekly	Friday	12/10/18	News	Earth faces climatic moment	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	17/08/18	Science	Set course for the heart of the Sun	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	05/10/18	Science	Space beanstalk set to doom Earth	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	28/09/18	News	Dangerous daisy meets its weevil nightmare	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	10/08/18	News	Regulations may dim a solar dawn	Govan Whittles
Mail & Guardian	M&G Media Ltd	Weekly	Friday	21/09/18	News	Tiny beetles cause a giant crisis	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	17/08/18	Comment and Analysis	Putting meat on Homo's menu	Jonathan Silvertown
Mail & Guardian	M&G Media Ltd	Weekly	Friday	31/08/18	Science	Laziness: lifeline or death knell	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	31/08/08	Business	Rid South Africa's electricity plan of coal-fired power	Melita Steele
Mail & Guardian	M&G Media Ltd	Weekly	Friday	12/10/18	Editorial	We must act to save the world now	Editor
Mail & Guardian	M&G Media Ltd	Weekly	Friday	10/08/18	News	Antidepressant pollutants make courting birds violent	AFP
Mail & Guardian	M&G Media Ltd	Weekly	Friday	03/08/18	News	Everyday plastics emit greenhouse gases	None
Mail & Guardian	M&G Media Ltd	Weekly	Friday	24/08/18	Newsbyte	Nothing goes to waste	None
Mail & Guardian	M&G Media Ltd	Weekly	Friday	14/09/18	Science	Eish, robot: The road to mecha	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	31/08/08	Science	Cutting out meat and dairy slashes your carbon footprint	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	19/10/18	Comment and Analysis	Anxiety can destroy your life	Ellapen Rapiti
Mail & Guardian	M&G Media Ltd	Weekly	Friday	03/08/18	Science	Uh oh there's a disorderly Deadpool in the gene pool	Matthew du Plessis
Mail & Guardian	M&G Media Ltd	Weekly	Friday	24/08/18	News	Beaufort West runs out of water	Gemma Ritchie and Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	19/10/18	Health	Why we are closer to cracking cancer's biggest riddle	Kat Arney, Laura Lopez Gonzalez
Mail & Guardian	M&G Media Ltd	Weekly	Friday	21/09/18	News	The blueprint for happiness	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	28/09/18	News	Race towards a brave new world	Sarah Smit
Mail & Guardian	M&G Media Ltd	Weekly	Friday	21/09/18	Recycling	Yes, you can recycle your paper cups and milk cartons	Samantha Choles
Mail & Guardian	M&G Media Ltd	Weekly	Friday	24/08/18	News	The Vaal remains up shit creek	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	14/09/18	News	Chemical killing the killer whales	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	21/09/18	Africa	Food insecurity rising in Africa	Sipho Kings
Mail & Guardian	M&G Media Ltd	Weekly	Friday	31/08/18	News	Reason lights up new energy plan	Sipho Kings

Source	Source Type	Theme	Topic
Original based on research from the Tulane University, US	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Original	Original story or original based on lead	Environment and Ecology	Conservation: 3Rs
Original	Original story or original based on lead	Science and Technology	Women in STEM
Original based on UN report	Original story or original based on lead	Environment and Ecology	Climate change
Original	Original story or original based on lead	Astronomy	Space science
Original	Original story or original based on lead	Astronomy	Space science
Original based on research from the ARC	Original story or original based on lead	Zoology	Entomology
Original	Original story or original based on lead	Energy	Energy: IRP
Original based on research from University of Pretoria	Original story or original based on lead	Zoology	Entomology
Original	Original story or original based on lead	Palaeosciences	Palaeoanthropology
Original based on research	Original story or original based on lead	Palaeosciences	Palaeoanthropology
Original	Original story or original based on lead	Energy	Energy: IRP
Original	Original story or original based on lead	Environment and Ecology	Climate change
Original based on research	Original story or original based on lead	Environment and Ecology	Water pollution
AFP	News wire	Environment and Ecology	Conservation: 3Rs
Unknown	Other	Environment and Ecology	Conservation: 3Rs
Original based on event	Original story or original based on lead	Engineering Sciences	Robotics
Original based on research	Original story or original based on lead	Environment and Ecology	Climate change
Original	Original story or original based on lead	Health Sciences	Mental health: anxiety
Original based on research	Original story or original based on lead	Health Sciences	Genetics
Original	Original story or original based on lead	Environment and Ecology	Climate change
Original based on research in Science, Nature	Original story or original based on lead	Health Sciences	Genetics
Original based on 2018 New Climate Economy Report	Original story or original based on lead	Environment and Ecology	Climate change
Original funded by the Sasol Solar Car Challenge	Original story or original based on lead	Energy	Renewable energy
Original	Original story or original based on lead	Environment and Ecology	Conservation: 3Rs
Original based on Save the Vaal tip off	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on research published in Science	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on UN FAO Report 2018	Original story or original based on lead	Environment and Ecology	Climate change
Original based on report	Original story or original based on lead	Energy	Energy: IRP

Summary	Blurb	Type	Proximity
Discovering ancient civilisations using lidars	Scientists are remapping the stories of ancient civilisations by shooting them with lasers	News	US, South America
Coca-Cola reducing use of plastic in bottles over time, some challenges	None	News	SA
Women must be given equal opportunities in the engineering sector	Women who raise their voices against sexism in engineering risk their careers	Opinion	SA
Global warming a major issue, can be averted	A UN report warns about the effect of global warming but can be averted	News	UN, World
Parker solar probe launched by NASA	They promise the earth and never deliver, but sometimes give us the sun, moon and stars	News	US
The US, Japan and China & others to build space elevator to reach lucrative asteroid belt	A cheap elevator into orbit could be a stairway to heaven or highway to hell	News	US, China, Japan
Weevils and beetles introduced to eat famine invasive weed	Biological controls are being released to halt the invasion of famine weed on farms and reserves	News	KZN, SA, Australia
Government wants to regulate Independent Power Producers	Government believes Independent Power Producers need to be controlled	News	CT, SA
Shot hole borers, an invasive beetle is attacking hundreds of trees in SA	Trees in cities under threat from an invasive species of borer across the country	News	SA
Lucy ate meat and plants 3.2 million years ago	We have been omnivores probably since the time of Lucy, our oldest ancestor	Opinion	Kenya, World
Lazy snails may have survived but homo erectus died because of their laziness	Sluggish snails prevailed, but Homo erectus may have died out due to laziness	News	Australia, Saudi Arabia
NGOs opposing the inclusion of coal in the Integrated Energy Programme	None	Opinion	SA
We must act now to save humanity	None	Opinion	SA, World
Pharmaceutical waste in water affecting birds, now more aggressive	None	News	US, EU
Everyday plastics emit greenhouse gases as they are not recyclable	None	News	Hawaii, World
Africa's first waste to energy facility built on landfill site in Ethiopia	None	Briefs	Ethiopia
Elon Musk wants to build a giant meca robot, wary of AI	None	News	US, Japan
Cut out meat and you reduce your carbon footprint by 73%	None	News	UK, World
Symptoms and treatment of anxiety	The disorder is often misdiagnosed because symptoms mask the problem, can be treated	Opinion	SA
Gene editing, once lauded for ability to combat diseases, now rearranges itself	None	News	UK, US, SA
No water in Beaufort West	None	News	Western Cape, SA
Scientists closer to cracking the DNA code that causes cancer	Like criminals at the scene of a crime, substances that cause cancer leave prints behind	Feature	Kenya, UK, World
Smarter systems must be implemented to save the Earth	The Earth can restore its health if we use smarter, more efficient systems	News	World
Solar car race important as it creates innovation for solar energy	As the Sasol Solar Car Challenge races across the nation, questions arise about whether SA is any close	News	Free State, SA
Recycle paper to save environment	Technology has advanced and by recycling waste, you can help create jobs and reduce landfills	News	Jhb, SA
Temporary solution won't help sewage flow into the Vaal River	Budgetary constraints have resulted in a plan that won't cope with sewage flow	News	Sedibeng, SA
Orca whales going to die due to biphenyl found in seas	Half the world's orcas are doomed because of a coal by-product leaked into the oceans	News	World
Changing climate impacting on farming, needs to change to secure more food	African farmers must become more resilient to survive changing climate patterns...	News	Sub-Saharan Africa
New energy plan is reasonable	Finally, new blueprint switches off nuclear in favour of a mixed power grid	News	SA

Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorised	Power Elite	Quoted in the story
International	No	Yes	Yes	Informative, quirky	Factual	Yes	Scientists, researchers, archaeologists
Local	No	Yes	Yes	Informative, factual	Factual	Yes	Energy and sustainability manager, Head of Technical
Local	Yes	Yes	Yes	Informative, call to action	Factual	Yes	CEO of SAICE, Co-founder of Engineers without Borders
International	No	Yes	Yes	Informative, distressing, call to action	Alarming	Yes	Scientists and researchers
International	No	Yes	Yes	Informative, factual, quirky	Factual	Yes	President Donald Trump, scientists, researchers, engineers
International	Yes	Yes	Yes	Informative, factual, alarming	Alarming	Yes	Elon Musk
Glocal	No	Yes	Yes	Informative, quirky	Factual	Yes	Researcher
Local	No	Yes	Yes	Informative, contentious	Alarming	Yes	Minister of Energy Jeff Radebe, an IPP, Premier Helen Zille, EC Economic MEC
Local	No	Yes	Yes	Informative, alarming, call to action	Alarming	Yes	Researchers and scientists, NDEA director
International	No	Yes	Yes	Informative, quirky	Factual	Yes	Professor
International	No	Yes	Yes	Informative, quirky, contentious	Alarming	Yes	Scientists and researchers
Local	No	Yes	Yes	Informative, contentious, call to action	Alarming	Yes	Activists, Energy Minister
Glocal	Yes	Yes	Yes	Informative, call to action	Factual	Yes	Editor
International	No	Yes	Yes	Informative, alarming, quirky	Alarming	Yes	Researchers and scientists
International	No	Yes	Yes	Informative, factual	Factual	Yes	Researchers and scientists
International	No	Yes	Yes	Informative, factual, hopeful	Factual	No	None
International	No	Yes	Yes	Informative, quirky	Factual	Yes	Elon Musk, Jeff Bezos, Richard Branson, Dean Kamen
International	No	Yes	Yes	Informative, factual	Factual	Yes	Scientists and researchers
Local	No	Yes	Yes	Informative, factual	Factual	Yes	Doctor
Glocal	No	Yes	Yes	Informative, factual	Factual	Yes	Scientists and researchers
Local	Yes	Yes	Yes	Informative, alarming	Alarming	Yes	None
International	No	Yes	Yes	Informative, factual	Factual	Yes	Scientists and researchers, woman who lost parents to oesophageal cancer
International	No	Yes	Yes	Informative, call to action	Factual	Yes	Researchers
Local	No	Yes	Yes	Informative, inspiring, call to action	Inspirational	Yes	Professors, engineers, organisers, marketing manager, founder of the SSCC
Local	Yes	Yes	Yes	Informative, call to action	Factual	Yes	Manager: Paper Recycling Association of SA
Local	No	Yes	Yes	Informative, alarming	Alarming	Yes	Minister of Water and Environmental Affairs, Emfuleni municipality spokesperson
International	No	Yes	Yes	Informative, distressing	Alarming	Yes	Scientists and researchers
Glocal	No	Yes	Yes	Informative, call to action	Factual	Yes	UN researchers and scientists
Local	No	Yes	Yes	Informative, factual	Factual	Yes	Energy planners

Mentions and Associations
Tulane University, New Orleans, UNESCO
Coca-Cola
Engineers without Borders SA, SAICE
WHO
NASA, Military Space Force
Lockheed Martin, Boeing, SpaceX, Big Falcon Rocket, Hayabusa2, Planetary Resources, NASA, Intl Space Elevator Consortium, China Aerospace S&T Corp, US M
Agricultural Research Council
Eskom, Premier of City of Cape Town, NERSA, Photovoltaic Industry Association, Western Cape government
University of Pretoria, National Botanical Gardens, NDEA
University of Edinburgh
Australian National University, University of Kansas
Greenpeace, Life After Coal Campaign
WHO
University of York, European Geosciences Union
University of Hawaii
The Reppie Project
SpaceX, Virgin, Boston+U11 Dynamics, Google, Softbank, Uber, MIT
University of Oxford
None
University of California, Wellcome Sanger Institute
Western Cape municipal officials
Wellcome Sanger Institute UK, WHO, International Agency for Research and Cancer (France), Oesophageal Squamous Cell Carcinoma African Prevention Rese
Global Commission on the Economy and Climate
Sasol Solar Car Challenge, TUT, CPUT, Sasol, Statistics SA, Minister of Energy
Paper Recycling Association of SA, Gayatri Paper and Mpact Paper recycling plants
NDEA, Rans Water, Emfuleni Municipality
None
UN Food and Agriculture Organisation
Eskom, SA African Faith Communities Initiative

Drama or Contention	Page No	Position on Page	Headline Size	Sub-headings	Visuals
No	11	Top half of page	Tier 1	None	Aircraft shooting lidars
No	23	Bottom half of page	Tier 2	None	Coca-Cola in warehouse
No	33	Two thirds of page	Tier 1	None	Construction site with woman strolling along
Yes - global warming will see major changes affect us in a few years	8	Full page	Tier 1	Pull-out quote	Dramatic infographic and picture of barren land
No	18	Two thirds of page	Tier 1	Pull-out quote	Graphic of probe going close to the Sun
Yes - colonising the asteroid belt could jeopardise mankind	17	Top half of page	Tier 1	None	Graphic of space and proposed elevator
Yes - "dangerous daisy" and "weevil nightmare"	14	Full page	Tier 1	None	Highly invasive famine weed spreading across fields on farms
Yes - contention between government and IPPs	14	Two thirds of page	Tier 1	Pull-out quote	Image & graphic of Clanwilliam's Town solar project
Yes - all our trees could be cut down, emergency, crisis	9	Full page	Tier 1	None	Infographic and map of where and how beetles are attacking
No	33	Top left quadrant	Tier 1	None	Lucy reconstruction
Yes - different views on evolution from scientists	10	Full page	Tier 1	None	Man relaxing in hammock
Yes - Activists scaled a bridge to put up a banner calling for no coal in the energy mix	26	Bottom third of page	Tier 2	None	None
No	32	Left column	Tier 2	None	None
Yes - birds are aggressive, attack female birds on Prozac	14	Right column	Tier 2	None	None
No	14	Right column	Tier 2	None	None
No	21	Newsbyte	Tier 3	None	None
No	9	Top half of page	Tier 1	None	None
No	16	Top third of page	Tier 2	None	None
No	40	Top half of page	Tier 1	None	Person looking anxious
Yes - genes can turn on you	6	Bottom third of page	Tier 2	None	Picture of a superhero - comparison to Deadpool
Yes - no water and level 4 restrictions	15	Bottom third of page	Tier 2	None	Picture of billboard showing water restrictions
No	20-21	DPS	Tier 1	None	Scientist studying a "Gene Detectives" book
Yes - time is running out to implement innovative changes	14	Full page	Tier 1	Cities, energy, w	Singapore's green canopy trees
No	15	Full page	Tier 1	None	Three images of solar cars with engineers and drivers
No	36	Full page	Tier 1	How are cartons	Two pictures of a juice carton and a woman drinking from a cup
Yes - faeces to condoms found in water	8	Full page	Tier 1	None	Two pictures of sewage in river and an infographics
Yes - whales will die	13	Left half of page	Tier 1	None	Whales in the ocean
No	22	Full page	Tier 1	Pull-out quote	Wheat and hand
No	11	Top half of page	Tier 1	None	Wind power

Prominence of visuals	Caption	Comment
Most prominent on page	None	Source: Original based on research from Tulane University
Most prominent on page	Summary of article	Source: Original based on Coca-Cola stats
Most prominent on page	Summary of article	Source: Engineers without Borders SA
Most prominent on page	None and one showing impact of drought on farming	Source: WHO report on climate change
Most prominent on page	None	Source: Original based on NASA release
Most prominent on page	None	Source: Original
Most prominent on page	Kudu in the wild with invasive plants	Source: Agricultural Research Council
Most prominent on page	Summary of article	Source: Original
Most prominent on page	Explains infographic	Source: Original based on UP research
Most prominent on page	Summary of article	Source: Project Syndicate, University of Edinburgh
Most prominent on page	None	Source: Original based on research
None	None	Source: Greenpeace
None	None	Source: Editor
None	None	Source: AFP
None	None	Source: University of Hawaii, AFP
None	None	Source: Wire services
Most prominent on page	None	Source: Original based on announcement from Elon Musk
None	None	Source: Original based on research from Oxford University
Most prominent on page	None	Source: Dr Ellapen Rapiti
Small image	None	Source: Original based on research by the Wellcome Sanger Institute
Not prominent	Summary of article	Source: Original
Most prominent on page	None	Source: www.mosaicscience.com
Most prominent on page	Singapore's green canopy has reduced temperatures by 5	Source: Original based on research report
Most prominent on page	Describes people in the pictures	Source: Sasol
Most prominent on page	Summary of article	Source: Original
Most prominent on page	Summary of article	Source: Original based on Save the Vaal tip off
Most prominent on page	Summary of article	Source: Science
Second most prominent on	Wheat, rice, maize under threat from climate change	Source: Original based on UN Report
Most prominent on page	Summary of article	Source: Original based on new energy report

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
City Press	Media 24	Weekly	Sunday	16/09/18	Editorial	Make scientific research matter	Editor	Original based on interview with the Minister
City Press	Media 24	Weekly	Sunday	23/09/18	News	What dagga does	Zamayirha Peter	Original based on research
City Press	Media 24	Weekly	Sunday	12/08/18	News	More trees dot the globe	None	Original based on research from University of Maryland
City Press	Media 24	Weekly	Sunday	16/09/18	News	SA to formulate digital revolution master plan	Msindisi Fengu	Original based on release from Telkom
City Press	Media 24	Weekly	Sunday	23/09/18	News	Is your kid depressed?	Vuyo Mkize	Original
City Press	Media 24	Weekly	Sunday	12/08/18	News	There's a fly in my ice-cream! No kidding	Lerato Morotolo	Original based on lead
City Press	Media 24	Weekly	Sunday	12/08/18	News	Futureproofing your farm	Mandi Smallhorne	Original but partially commissioned by African Academy of Sciences
City Press	Media 24	Weekly	Sunday	05/08/18	News	Burnout triggers depression	Vuyo Mkize	Original based on Prof. Bongani Mayosi's passing
City Press	Media 24	Weekly	Sunday	16/09/18	News	Leave research funds alone	S'thembile Cele	Original based on interview with the Minister
City Press	Media 24	Weekly	Sunday	07/10/18	News	Easing the pain of dementia	Vuyo Mkize	Original based on the World Alzheimer Report 2018
City Press	Media 24	Weekly	Sunday	14/10/18	Business	New coal will cost us...and it will kill us	Ramez Naam	Singularity University
City Press	Media 24	Weekly	Sunday	12/08/18	Voices	SKA must be the new Durban	Pali Lehohla	Original
City Press	Media 24	Weekly	Sunday	02/09/18	News	Women taking science by storm	Vuyo Mkize	Original based on lead from CSIR
City Press	Media 24	Weekly	Sunday	26/08/18	Business	Banks ready to back green power with billions	Dewald van Rensburg	Original based on lead from ABSA
City Press	Media 24	Weekly	Sunday	09/09/18	News	Be prepared: it's getting hotter and drier	Mandi Smallhorne	Original but partially commissioned by African Academy of Sciences



Source Type	Theme	Topic	Summary
Original story or original based on lead	Science and Technology	Policy	We need to spend more on research and development
Original story or original based on lead	Health Sciences	Cannabis	The scientific properties and effects of marijuana
Original story or original based on lead	Environment and Ecology	Forestry	More trees dot the globe
Original story or original based on lead	Science and Technology	Fourth Industrial Revolution	New initiative seeks to create a national response to SA4IR
Original story or original based on lead	Health Sciences	Clinical depression	The mental health of adolescents
Original story or original based on lead	Zoology	Entomology	Black soldier fly larvae are being farmed and used to make ice-cream
Original story or original based on lead	Environment and Ecology	Climate change	The impact of climate change on agriculture
Original story or original based on lead	Health Sciences	Clinical depression	Depression can cause professionals to take their lives
Original story or original based on lead	Science and Technology	Policy	Government should not redirect research and development funds, SA will fall behind
Original story or original based on lead	Health Sciences	Dementia	Best ways to treat dementia, 50 million people live with the disease
Original story or original based on lead	Energy	Energy: Renewable Energy	New IRP includes coal that is expensive and harmful
Original story or original based on lead	Astronomy	SKA	SKA must be the new Durban
Original story or original based on lead	Science and Technology	Women in STEM	Female scientists doing cutting edge work at the CSIR
Original story or original based on lead	Energy	Energy: Renewable Energy	SA banks ready to invest billions into the renewable Energy Independent Power Producer Pro
Original story or original based on lead	Environment and Ecology	Climate change	The disasters we face as climate change impacts on us and future generations

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance
SA could face a developmental crisis in future if we don't keep up	Opinion	South Africa	Local	Yes	Yes	Yes
None	News	South Africa	Local	No	Yes	Yes
None	News	World, US	International	No	Yes	Yes
None	News	South Africa	Local	No	Yes	Yes
None	News	South Africa	Local	No	Yes	Yes
Black soldier fly larvae are being farmed and used to make ice-cream	News	Cape Town, SA	Local	No	Yes	Yes
What are the small shifts that mean big changes, particularly for agriculture in a changing climate?	News	South Africa	Local	No	Yes	Yes
Research has shown that exhaustion and stress can have a devastating effect on the mental and physical wellbeing of professionals	News	Cape Town, SA	Local	Yes	Yes	Yes
SA could face a developmental crisis in future if current spending habits persist	News	South Africa	Local	Yes	Yes	Yes
None	News	SA, World	Glocal	No	Yes	Yes
None	Opinion	US, SA	Glocal	No	Yes	Yes
None	Opinion	Lesotho, Karoo, KZN, SA	Glocal	Yes	Yes	Yes
None	News	South Africa	Local	No	Yes	Yes
Renewable energy is a viable asset class that's relatively risk-free and smaller in bulk than coal baseload stations	News	South Africa	Local	No	Yes	Yes
What changes can we expect for our country as climate exchange takes hold?	News	South Africa	Local	No	Yes	Yes

Tone	Tone Categorised	Power Elite	Quoted in the story
Informative, factual, call to action	Factual	Yes	Minister of Science and Technology
Informative, factual	Factual	Yes	Researchers and psychiatrists
Factual, informative	Factual	Yes	Scientists, researchers and experts
Informative, factual, call to action	Factual	Yes	CEO of Telkom SA, Vice-Chancellors and Deputy Vice-Chancellors
Informative, factual, distressing	Alarming	Yes	Psychologists, support group leaders, researchers
Interesting, new, outrageous, curious	Inspirational	Yes	Food science graduate
Informative, factual, alarming, call to action	Alarming	Yes	Researchers, experts, Prof. Bob Scholes, climate scientists
Informative, alarming, based on research	Alarming	Yes	Professors, VCs, researchers, psychiatrists
Informative, factual, call to action	Factual	Yes	Minister of Science and Technology
Informative, educational	Factual	Yes	Occupational therapist
Informative, call to action	Factual	Yes	Co-Chair for Energy and Environment
Informative, opinion, call to action	Factual	Yes	Former statistician general, DG of the Northern Cape province
Informative, factual, inspirational, promotional	Inspirational	Yes	Scientists
Informative, factual	Factual	Yes	ABSA's head of project finance, Energy Minister, ABSA's head of Power
Informative, factual, alarming, call to action	Alarming	Yes	Researchers, experts, Prof. Bob Scholes, climate scientists

Mentions and Associations	Drama or Contention	Page No	Position on Page	Headline Size
Other countries like China and India who spend 2.5% of GDP on science	No	2	Left column	Tier 3
SA Society of Psychiatrists	No	8	Middle of page	Tier 4
University of Maryland, Nature	No	13	Bottom right column	Tier 3
Telkom SA, Wits University, University of Johannesburg, University of Fort Hare	No	14	Right column	Tier 2
MIT, Anxiety and Depression Association of America, Journal of School Psychology, SADAG	No	6	Bottom third of page	Tier 2
Gourmet Grubb, EntoMilk, Tokai	Yes - insect milk is the key ingredient in the ice-cream	13	Right column	Tier 2
Wits, CSIR, Agricultural Research Council, COP17, Lancaster University,	No	13	Two thirds of page	Tier 1
SA Journal of Psychiatry, UCT	Yes - country is reeling, battling depression, death	10	Two thirds of page	Tier 1
Other ministries	Yes - contention within government re: funding	8	Centre of page	Tier 1
The World Alzheimer Report, Alzheimer's Disease International	No	12	Bottom third of page	Tier 3
Singularity University, Silicon Valley	Yes - disapproves of government's energy mix which includes coal	2	Left column	Tier 2
Stats SA, SKA	No	5	Right column	Tier 2
CSIR	No	9	Bottom third of page	Tier 2
REIPPP, Energy Ministry, Eskom, ABSA, EFF	No	7	Top half of page	Tier 1
UCT, Wits, State of Climate Change S&T SA report, CSIR, National Academy of Sciences, SA Medical Journal	Yes - scary stuff is inevitable	12	Full page	Tier 1

Sub-headings	Visuals	Prominence of visuals	Caption
None	None	None	None
None	None	None	None
None	None	None	None
None	None	None	None
Sidebar: A new way to detect depression	Picture of an adolescent without showing the face	Second most prominent on page	None
None	Picture of black fly larvae	Not prominent	Summary of article
Three future scenarios for maize producers	Picture of farming and scenarios for maize producers	Most prominent on page	Summary of article
What is depression?	Picture of people at the funeral	Most prominent on page	Describes people at the funeral of Prof. Mayosi
None	Picture of the minister	Most prominent on page	Byline
None	Profile picture of therapist	Second most prominent on page	Describes work of the therapist
None	Profile picture of writer	Third most prominent on page	Byline
None	Profile picture of writer	Not prominent	Byline
None	Profile pictures of the two scientists	Second most prominent on page	Describes achievements of each woman
None	Solar energy panels	Most prominent on page	None
Heat waves, fire risks, soil, heat stroke, ecosystem loss	Two infographics on projections for the future of temperature and rainfall	Most prominent on page	None

Comment
Source: Editor / DST
Source: Based on research, surrounded by other social articles re: the marijuana legalisation
Source: University of Maryland, Independent UK
Source: Telkom
Source: Original
Source: Gourmet Grubb
Source: Original commissioned by African Academy of Sciences for the Our Land project
Source: Original based on research
Source: DST
Source: World Alzheimer Report 2018
Source: Singularity University
Source: Influencer, former stats general of SA
Source: CSIR
Source: ABSA
Source: Original commissioned by African Academy of Sciences for the Our Land project

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
Rapport	Media 24	Weekly	Sunday	28/10/18	News	Military to help clean up the Vaal River	Jan de Lange	Original
Rapport	Media 24	Weekly	Sunday	21/10/18	Business	Innovation that makes a mark, helps nation building	Aldi Schoeman	Original based on event: Discovery, book
Rapport	Media 24	Weekly	Sunday	05/08/18	Business	A successful farmer makes a plan	Mandi Smallhorne	Original
Rapport	Media 24	Weekly	Sunday	26/08/18	Business	Wake up! Things are going to change	Mandi Smallhorne	Original
Rapport	Media 24	Weekly	Sunday	16/09/18	Die oop gesprek	Blombos drawing was a sign of the times, crime stats	Heindrich Wyngaard	Original based on lead from Wits University
Rapport	Media 24	Weekly	Sunday	28/10/18	News	Skeletons in Ikeys (UCT's) cupboards	Julian Jansen	Original based on UCT lead
Rapport	Media 24	Weekly	Sunday	28/10/18	News	Demand for lions bones will cost SA dearly	Jeanne-Marie Versluis	Original based on lead from NSPCA

Source Type	Theme	Topic	Summary
Original story or original based on lead	Environment and Ecology	Water pollution	Former army general and head of a corporate to lead Vaal clean up team
Original story or original based on lead	Science and Technology	Policy	How innovation can lift nations out of poverty
Original story or original based on lead	Environment and Ecology	Climate Change	Climate change makes the protection of water and diversification of crops essential
Original story or original based on lead	Environment and Ecology	Climate Change	Climate change will affect all of us, it's time to take action
Original story or original based on lead	Anthropology and Archaeology	Archaeology	We can learn from archaeologists of the past
Original story or original based on lead	Anthropology and Archaeology	Anthropology	UCT had old bones of someone's ancestors in their cupboards
Original story or original based on lead	Environment and Ecology	Conservation: Wildlife	Demand for lion bones and canned hunting will cost SA dearly

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorised
None	News	South Africa	Local	No	Yes	Yes	Call to action, informative	Factual
None	News	US, SA	Glocal	No	Yes	Yes	Inspirational, informative	Factual
Climate change makes the protection of water and diversification of crops essential	News	South Africa	Local	No	Yes	Yes	Educational, informative, call to action	Factual
We need to find creative ways to survive in the new world order	News	South Africa	Local	No	Yes	Yes	Educational, informative, call to action	Factual
The other side	Opinion	South Africa	Local	Yes	Yes	Yes	Quirky, original	Inspirational
Process begins to heal the past	News	South Africa	Local	Yes	Yes	Yes	Educational, call to action, informative	Factual
None	News	South Africa	Local	No	Yes	Yes	Call to action, informative	Factual

Power Elite	Quoted in the story	Mentions and Associations
Yes	Former army general and outgoing CEO of Liberty Holdings, Minister of Finance	Liberty Holdings, Nampak, DRC
Yes	Professor	Harvard University
Yes	Researchers and scientists	CSIR, Wits University, Climate Change: Briefings from Southern Africa, Agricultural Research Council
Yes	Scientists and Researchers	SA Academy of Science and Arts, Wits University, CSIR, UCT, American National Academy of Science, Science, SAMJ
Yes	Scientists and Researchers, Minister of Police	Wits University, Blombos Cave, crime stats
Yes	Biological anthropologist, Vice-chancellor and Principal, family members	UCT
Yes	Researcher, activists	NSPCA, SAPA, SAIIA

Drama or Contention	Page Placement	Position on Page	Headline Size	Sub-headings	Visuals
No	2	Bottom third	Tier 2	Pull out quotes	None
No	3	Bottom left quadrant	Tier 3	None	Profile picture of the professor
No	6	Full page	Tier 1	Three future drought scenarios for maize production	Watering crops, kids playing in water and infographic
Yes - take action now or suffer in the near future	6	Top half of page	Tier 1	Our hope lies in reviving the ground	Dry farm
No	6	Centre of page	Tier 2	None	None
Yes - meeting skeletons from hundreds of years ago	9	Top bottom quadrant	Tier 1	Pull out quotes	Family members
No	10	Bottom of page	Tier 4	None	None

Prominence of visuals	Caption	Comment
None	None	Source: Original
Third most prominent on page	Byline	Source: Original based on Discovery event, book
Most prominent on page	Describes people in the pictures	Source: Original
Most prominent on page	Summary of article	Source: Original
None	None	Source: Wits University, SAPS
Third most prominent on page	Byline	Source: UCT
None	None	Source: NSPCA

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
Daily Sun	News 24	Daily	Thursday	04/10/18	News	Dagga, the law and you	Sun Reporter	Original based on lead
Daily Sun	News 24	Daily	Monday	10/09/18	Health	Prostate cancer is killing Mzansi men	Njabulo Ngcobo	Original based on lead
Daily Sun	News 24	Daily	Wednesday	12/09/18	World	Secrets of the sun!	None	NASA
Daily Sun	News 24	Daily	Monday	13/08/18	World	Nasa launches sun probe	None	NASA, Reuters
Daily Sun	News 24	Daily	Wednesday	15/08/18	Tell Me	Limpet teeth are the strongest substance on earth	None	Wikimedia Commons
Daily Sun	News 24	Daily	Tuesday	23/10/18	News	Govt goes ahead with hippo cull	None	Reuters
Daily Sun	News 24	Daily	Wednesday	15/08/18	Tell Me	Roosters block out noise	None	Wikimedia Commons
Daily Sun	News 24	Daily	Tuesday	03/10/18	Tell Me	A sight for sore eyes	None	Wikimedia Commons
Daily Sun	News 24	Daily	Wednesday	03/10/18	Tell Me	Not all bees are yellow	None	Wikimedia Commons
Daily Sun	News 24	Daily	Friday	14/09/18	World	Old drawing found in Mzansi	None	Reuters
Daily Sun	News 24	Daily	Thursday	27/09/18	News	Women urged to play it safe	Lethabo Khambule	Original sourced from AIDS Healthcare Foundation
Daily Sun	News 24	Daily	Friday	02/08/18	Wellbeing	The joy of beating the blues with exercise	Sammy Moretsi	Original
Daily Sun	News 24	Daily	Wednesday	10/10/18	Tell Me	Musk does it again!	None	Wikimedia Commons
Daily Sun	News 24	Daily	Thursday	18/10/18	Education	Genius matric pupils win big at science awards	Kopano Monaheng	Original based on lead from Eskom
Daily Sun	News 24	Daily	Thursday	04/10/18	News	Robot lands on asteroid Ryugu	None	News24/Japan
Daily Sun	News 24	Daily	Monday	13/08/18	World	Shooting stars	None	Reuters
Daily Sun	News 24	Daily	Wednesday	10/10/18	Tell Me	Brave surgeon earns Nobel Prize for peace	None	Wikimedia Commons
Daily Sun	News 24	Daily	Friday	05/10/18	News	Unique transplant could bring hope	Tebogo Mokwena	Original based on Wits University media conference, release
Daily Sun	News 24	Daily	Wednesday	15/08/18	News	Khuls makes vehicle electrics a girl thing	Nono Mashilo	Original
Daily Sun	News 24	Daily	Monday	29/10/18	News	Project puts women first	Zanele Sithole	Original based on event
Daily Sun	News 24	Daily	Thursday	04/10/18	News	Science fair rocks!	Sifiso Jimta	Original based on lead
Daily Sun	News 24	Daily	Wednesday	01/08/18	News	Don't be afraid to study science	Bulelwa Ginindza	Original based on National Science Week event
Daily Sun	News 24	Daily	Friday	03/08/18	Education	Beauties with brains shine at science quiz	Kopano Monaheng	Original based on release from Mintek

Source Type	Theme	Topic	Summary	Blurb	Type	Proximity
Original story or original based on lead	Health Sciences	Cannabis	Dagga is not as harmless as you think	None	News	South Africa
Original story or original based on lead	Health Sciences	NCDs	Discovering links between prostate cancer risk in African men	None	News	SA, Australia
News wire	Astronomy	Space science	Pictures of sun taken with UV light	None	News	US
News wire	Astronomy	Space science	NASA launches probe that can go close to the sun	None	News	US
Syndicated Media	Engineering Sciences	Hard materials	Limpet teeth are stronger than spider silk	None	Briefs	World
News wire	Environment and Ecology	Conservation: Wildlife	Zambian government to cull hippos due to lack of water for the animals	None	News	Zambia
Syndicated Media	Zoology	Ornithology	Roosters block out noise	None	Briefs	World
Syndicated Media	Zoology	Entomology	How moths transform	None	Briefs	World
Syndicated Media	Zoology	Entomology	Bees	None	Briefs	World
News wire	Anthropology and Archaeology	Archaeology	Oldest drawing found from 70 000 years ago in Blombos Cave	None	News	South Africa
Original story or original based on lead	Health Sciences	HIV/AIDS and cervical cancer	People with HIV/AIDS likely to have cervical cancer	None	News	South Africa
Original story or original based on lead	Health Sciences	Mental health: depression	Exercise can help alleviate depression	None	News	Jhb, SA
Syndicated Media	Astronomy	Space science	Launch of Space-X	None	Briefs	SA, US
Original story or original based on lead	Science and Technology	Science education	Students win big at the international science fair	None	News	South Africa, Sweden
News wire	Astronomy	Space science	Robot successfully lands on asteroid	None	News	Japan, France, Germany
News wire	Astronomy	Space science	Meteor shower in Macedonia	None	News	Macedonia
Syndicated Media	Science and Technology	Science prize	Surgeon wins Nobel Prize	None	Briefs	Kenya, Nigeria, World
Original story or original based on lead	Health Sciences	HIV/AIDS liver transplant	First HIV+ liver transplant performed from mum to child	None	News	South Africa
Original story or original based on lead	Science and Technology	Women in STEM	Female engineer inspiring others to follow in her footsteps	None	News	Mpumalanga, SA
Original story or original based on lead	Science and Technology	Policy	Premier launches Women and Youth in Biodiversity Programme	None	News	North West Province, SA
Original story or original based on lead	Science and Technology	Science education	Top young scientists participate in Eskom Science Fair	Yes	News	Gauteng, SA, Africa
Original story or original based on lead	Science and Technology	Science education	Minister encourages young people to pursue science careers	None	News	Mpumalanga, SA
Original story or original based on lead	Science and Technology	Science education	Kids participate in major science competition	None	News	South Africa

Proximity	Exclusive	Public Interest	Relevance	Tone	Tone Categorized	Power Elite	Quoted in the story
Local	No	Yes	Yes	Informative, warning	Alarming	Yes	Psychiatrists, activists, CEO
Glocal	No	Yes	Yes	Factual, informative	Factual	Yes	Scientists and researchers
International	No	Yes	Yes	Factual, informative	Factual	Yes	Scientists and researchers
International	No	Yes	No	Factual, informative	Factual	Yes	Scientists and researchers
International	No	Yes	Yes	Factual, informative, quirky	Factual	Yes	Scientists and researchers
International	No	Yes	Yes	Informative, educational	Factual	Yes	Tourism Minister
International	No	Yes	Yes	Factual, informative, quirky	Factual	Yes	Scientists and researchers
International	No	Yes	Yes	Informative, quirky	Factual	No	None
International	No	Yes	Yes	Informative, quirky	Factual	No	None
Local	No	Yes	Yes	Factual, informative, quirky	Factual	Yes	Researchers and archaeologists
Local	No	Yes	Yes	Informative, call to action	Factual	Yes	Programme Director
Local	Yes	Yes	Yes	Informative, call to action	Factual	No	Young women who exercise
Glocal	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational	Yes	Elon Musk
Glocal	No	Yes	Yes	Informative, inspiring	Inspirational	No	Learners
International	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational	Yes	Mission manager, scientist
International	No	No	No	Nice picture	Inspirational	No	Man
International	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational	Yes	Surgeon
Local	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational	Yes	Scientists and researchers, Minister of Health, professor, Phillip Tobias
Local	No	Yes	Yes	Factual, informative, inspiring	Inspirational	Yes	Electrical engineer, CEO
Local	No	Yes	Yes	Informative, inspiring	Inspirational	Yes	Premier of the North-West Province and MEC for the Environment NW Province
Local	No	Yes	Yes	Informative, optimistic, inspirational	Inspirational	Yes	Executive Director, spokesperson, CEO
Local	No	Yes	Yes	Informative, promotional	Inspirational	Yes	Minister of Science and Technology
Local	No	Yes	Yes	Factual, informative, inspiring	Inspirational	No	Learners

Mentions and Associations	Drama	Page No	Position on Page	Headline Size	Sub-headings	Visuals
SA Society for Psychiatrists, ALCO safe	No	22	Right half of page	Tier 1	None	Person smoking dagga
UP and Garvan Medical Institute Australia	No	14	Top right quadrant	Tier 1	None	Man talking to nurse
NASA	No	13	Small article	Tier 2	None	Sun taken in UV light
NASA	No	6	Small article	Tier 2	None	None
None	No	19	Right column	Tier 2	None	Limpet teeth
South Luangwa National Park	No	8	Small article	Tier 6	None	None
None	No	19	Right column	Tier 2	None	Rooster
None	No	13	Right column	Tier 2	None	Moth
None	No	13	Right column	Tier 3	None	Blue carpenter bee
Blombos Cave	No	7	Centre of page	Tier 4	None	Picture of the stone found
AIDS Healthcare Foundation	No	13	Top right of page	Tier 2	None	None
Community Workers' Programme	No	24	Bottom right quadrant	Tier 3	None	Women playing netball
SpaceX, Tesla	No	13	Right column	Tier 3	None	SpaceX light show
Eskom, Siemens, Wits, UP	No	21	Right half of page	Tier 2	None	Two learners at the science fair
French-German Mobile Asteroid Surface Scout (MASCOT)	No	14	Small article	Tier 3	None	None
None	No	6	Top right picture	Tier 5	None	Man shines light on Milky Way
Nobel Prize	No	13	Right column	Tier 3	None	Profile pic of Nobel Prize Winner
Wits University, NDOH, WDGMC	No	5	Top right quadrant	Tier 2	None	Minister and two students
Swatek engineering	No	26	Centre of page	Tier 3	None	Engineer sketching on white board
North-West Provincial Government, Bakgatla Lodge	No	16	Top left of page	Tier 2	None	Profile picture of premier
Eskom, Siemens	No	13	Top half of page	Tier 1	None	Some of the top young scientists participating in the fair
DST, University of Mpumalanga	No	14	Bottom right of page	Tier 5	None	Minister with students
Mintek	No	23	Top right quadrant	Tier 2	None	Picture of two participants

Prominence of visuals	Caption	Comment
Second most prominent on page	Summary of article	Source: SA Society of Psychiatrists
Most prominent on page	Summary of article	Source: UP
Second most prominent on page	Summary of article	Source: NASA
None	None	Source: NASA, Reuters
Second most prominent on page	Summary of article	Source: Wikimedia Commons
None	None	Source: Reuters
Third most prominent on page	Summary of article	Source: Wikimedia Commons
Second most prominent on page	Summary of article	Source: Wikimedia Commons
Third most prominent on page	Summary of article	Source: Wikimedia Commons
Most prominent on page	None	Source: Reuters
None	None	Source: AIDS Healthcare Foundation
Third most prominent on page	Describes people in the pictures	Source: Original
Not prominent	Summary of article	Source: Wikimedia Commons
Most prominent on page	Describes learners in the picture	Source: Eskom
None	None	Source: News24/International Newswire
Most prominent on page	Deep caption explaining the science	Source: Reuters
Not prominent	Summary of article	Source: Wikimedia Commons
Second most prominent on page	Summary of article	Source: Wits University
Most prominent on page	Summary of article	Source: Original
Third most prominent on page	Byline	Source: Original based on event
Most prominent on page	Describes top scientists in the picture	Source: Eskom
Second most prominent on page	Describes minister with female students	Source: Original based on event
Most prominent on page	Describes people in the pictures	Source: Mintek

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline
Beeld	Media 24	Daily	Thursday	30/08/18	News	Not even one drink a day is safe	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	11/10/18	News	Mega mosquitoes breeding following Hurricane Florence	None
Beeld	Media 24	Daily	Wednesday	17/10/18	News	Nowadays we are scared of the Vaal	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	16/10/18	News	Climate will be warmer, drier and beer will be scarcer	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	27/09/18	News	It's sabotage	Elise Tempelhoff
Beeld	Media 24	Daily	Monday	03/09/18	News	Pair of AI cubs make history	Elsabe Brits
Beeld	Media 24	Daily	Thursday	25/10/18	News	Plans to clean up Vaal River underway	Philda Essop
Beeld	Media 24	Daily	Monday	20/08/18	News	3200 golden dust in grave is really cheese	None
Beeld	Media 24	Daily	Friday	12/10/18	News	So the mission went badly wrong	Elsabe Brits
Beeld	Media 24	Daily	Tuesday	07/08/18	News	Group arrives with dead fish, sewage	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	05/09/18	News	Elephants without borders sees 87 elephant carcasses in Botswana	Elise Tempelhoff
Beeld	Media 24	Daily	Monday	03/09/18	News	Extinction of giraffes	None
Beeld	Media 24	Daily	Tuesday	25/09/18	News	Fossil bed of dinosaur bones found in Eastern Cape	Elsabe Brits
Beeld	Media 24	Daily	Friday	10/08/18	News	The whole world is becoming a hothouse	Elise Tempelhoff
Beeld	Media 24	Daily	Friday	10/08/18	News	Microbeads forbidden in SA	Melanie Gosling
Beeld	Media 24	Daily	Friday	10/08/18	News	Strange planet found 20 light years away	Elsabe Brits
Beeld	Media 24	Daily	Friday	10/08/18	News	SA lions relocated to Mozambique	Elise Tempelhoff
Beeld	Media 24	Daily	Friday	19/10/18	News	Centuries old city found outside Joburg	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	13/09/18	News	Emfuleni finally trying to clean up Vaal mess	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	09/10/18	News	Catastrophe is at hand	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	14/08/18	Middle Page	Vaal River must be tackled at the nub	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	18/09/18	News	SA woman pregnant after unique procedure	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	01/08/18	News	Mozambique gets wild present	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	01/08/18	News	C-section for orangutan	None
Beeld	Media 24	Daily	Friday	14/09/18	News	Plan to protect whales	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	16/10/18	News	130 new viruses discovered that live on peoples skin	Elsabe Brits
Beeld	Media 24	Daily	Tuesday	16/10/18	News	Roman child buried with stone in mouth	Elsabe Brits
Beeld	Media 24	Daily	Tuesday	16/10/18	News	World joining hands against the syndicates	Elise Tempelhoff
Beeld	Media 24	Daily	Thursday	13/09/18	News	Dairy protects your heart	Elsabe Brits
Beeld	Media 24	Daily	Thursday	13/09/18	News	Oldest drawing found	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	23/08/18	News	Canned lion industry can cost SA R54 million	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	23/08/18	News	SA to search for dark energy	Elsabe Brits
Beeld	Media 24	Daily	Thursday	30/08/18	News	CERN witnesses how Higgs Boson was discovered	Elsabe Brits
Beeld	Media 24	Daily	Thursday	06/09/18	News	Danger in pain medication	Elsabe Brits
Beeld	Media 24	Daily	Thursday	04/10/18	News	Diabetes heightens your chances of getting cancer	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	08/08/18	News	Heart problems? Ask a female doctor	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	26/09/18	News	Karoo-sun moves solar cars along	Cara-Lee Dorfling
Beeld	Media 24	Daily	Thursday	04/10/18	News	First farmers ate peas and cheese	Elsabe Brits
Beeld	Media 24	Daily	Thursday	04/10/18	News	First moon beyond sun system found	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	24/10/18	News	Tsetse flies entering SA from Zim, threatening KNP	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	29/08/18	News	Japanese want to save whales	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	12/09/18	News	So many more people almost always hungry: 821 million	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	29/08/18	News	Integrated Energy Plan criticised	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	24/10/18	News	Asian elephant has a head for numbers	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	24/10/18	News	Mice are threatening birds on island	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	12/09/18	News	A unique optical sight to be found in SA	Elise Tempelhoff
Beeld	Media 24	Daily	Friday	21/09/18	News	A new animal species found in the KNP	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	24/10/18	News	Journey into the Dinaledi Cave virtually	Elsabe Brits
Beeld	Media 24	Daily	Thursday	30/08/18	News	Be careful of lions that are biting car tyres in the KNP	Eugenie Gregan

Beeld	Media 24	Daily	Thursday	30/08/18	News	Lewis Pugh finishes his swim a day earlier	None
Beeld	Media 24	Daily	Thursday	20/09/18	News	Medicinal cannabis different from what people smoke	Elsabe Brits
Beeld	Media 24	Daily	Thursday	11/10/18	News	Climate change can impact on humans mental health	Elsabe Brits
Beeld	Media 24	Daily	Thursday	11/10/18	News	Scoliosis associated with decrease in manganese	Elsabe Brits
Beeld	Media 24	Daily	Friday	24/08/18	News	New cross-species hominid found in Siberia, Russia	Elsabe Brits
Beeld	Media 24	Daily	Tuesday	04/09/18	News	Man poaches 3500 scarce tortoises	None
Beeld	Media 24	Daily	Friday	31/08/18	News	People can die from canned lions	Elise Tempelhoff
Beeld	Media 24	Daily	Wednesday	08/08/18	News	New shuttles will take people into space	Elsabe Brits
Beeld	Media 24	Daily	Wednesday	08/08/18	News	Oldest meteorite found, older than solar system	Elsabe Brits
Beeld	Media 24	Daily	Friday	31/08/18	News	Ice-age bear's DNA lives on	Elsabe Brits
Beeld	Media 24	Daily	Friday	26/10/18	Editorial	Vaal River challenge feels bigger, Tito	Editor
Beeld	Media 24	Daily	Thursday	20/09/18	News	Robots are nearly here	Francois Williams
Beeld	Media 24	Daily	Tuesday	04/09/18	Middle Page	The future of whales at stake	Elise Tempelhoff
Beeld	Media 24	Daily	Tuesday	30/10/18	News	Satellite shows how dirty South Africa's air is	Elise Tempelhoff

Source	Source Type	Themes	Topic
Original based on research in the Lancet	Original story or original based on lead	Health Sciences	Health: Alcohol
CBS News	International newspaper	Zoology	Entomology
Original	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on Nature Plants	Original story or original based on lead	Environment and Ecology	Climate Change
Province: Department of Water, Sanitation and Human Settlement	Original story or original based on lead	Environment and Ecology	Water pollution
University of Pretoria	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on Budget Speech	Original story or original based on lead	Environment and Ecology	Water pollution
University of Catania and University of Cairo, New York Times	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Original based on NASA, wires	Original story or original based on lead	Astronomy	Space Science
Afriforum	Original story or original based on lead	Environment and Ecology	Water pollution
Elephants without Borders	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Free State University	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on lead from Wits University	Original story or original based on lead	Palaeosciences	Palaeontology
Original based on PNAS report	Original story or original based on lead	Environment and Ecology	Climate Change
News24	Newswire	Environment and Ecology	Water pollution
The Astrophysical Journal	Original story or original based on lead	Astronomy	Astronomy
KZN Wildlife	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
New technology brought out structures, 900 houses from 1820	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Original based on lead from Emfuleni Municipality	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on IPCC report	Original story or original based on lead	Environment and Ecology	Climate Change
Save the Vaal	Original story or original based on lead	Environment and Ecology	Water pollution
Original based on lead from Stellenbosch University	Original story or original based on lead	Health Sciences	Urology
Kruger National Park	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
None	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on lead Environmental Investigating Agency	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on lead from UWC	Original story or original based on lead	Health Sciences	Viruses
Original based on University of Arizona lead	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Original based on London Declaration	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on The Lancet study	Original story or original based on lead	Health Sciences	Cardiology
Original based on lead from Wits University / University of Bergen	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Consortium of NGOs	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
SKA	Original story or original based on lead	Astronomy	Astronomy
University of Johannesburg	Original story or original based on lead	Physics	Physics
Original based on British Medical Journal	Original story or original based on lead	Health Sciences	NCDs
Original based on EU study on Diabetes	Original story or original based on lead	Health Sciences	NCDs
Original based on PNAS report	Original story or original based on lead	Health Sciences	NCDs
Sasol	Original story or original based on lead	Energy	Renewable Energy
Original based on Nature Communications	Original story or original based on lead	Anthropology and Archaeology	Archaeology
Original based on Science Advances Journal	Original story or original based on lead	Astronomy	Space Science
Original based on research in Plos One	Original story or original based on lead	Environment and Ecology	Climate Change
Environmental Investigating Agency	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on UN Report	Original story or original based on lead	Environment and Ecology	Climate Change
Greenpeace and activists	Original story or original based on lead	Energy	Energy: IRP
Original based on Journal of Ethology	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on lead from wire	Original story or original based on lead	Zoology	Ornithology
Original based on SKA lead	Original story or original based on lead	Astronomy	Astronomy
Original based on lead from University of Pretoria	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on lead from Wits University	Original story or original based on lead	Palaeosciences	Palaeosciences
KNP	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife

None	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on research from Biological Psychiatry	Original story or original based on lead	Health Sciences	Cannabis
Original based on PNAS report	Original story or original based on lead	Environment and Ecology	Climate Change
Original based on Nature Communications Report	Original story or original based on lead	Health Sciences	Scoliosis
The journal Nature	Original story or original based on lead	Palaeosciences	Palaeosciences
None	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
NASA	Original story or original based on lead	Astronomy	Space Science
Nature Communications / University of New Mexico	Original story or original based on lead	Astronomy	Meteorites
Original based on research from Nature Ecology and Evolution	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original	Original story or original based on lead	Environment and Ecology	Water pollution
WEF Report	Original story or original based on lead	Engineering Sciences	Robotics
Environmental Investigating Agency	Original story or original based on lead	Environment and Ecology	Conservation: Wildlife
Original based on Greenpeace report	Original story or original based on lead	Environment and Ecology	Air pollution

Summary	Blurb	Type	Proximity	Proximity	Exclusive	Public Interest
Not even one alcoholic drink is safe	None	News	World	International	No	Yes
Mega mosquitoes breeding after hurricane, don't carry malaria	None	Briefs	US	International	No	Yes
Fisherman made sculpture of yellowfish out of pink granite to raise awareness of Vaal filth	People have lost respect for nature	News	Vaal, SA	Local	No	Yes
Climate change will impact on beer production	None	News	SA	Local	No	Yes
People are sabotaging workers who can't access sites, resulting in filth in river	Workers held back of months from work	News	Vaal, SA	Local	No	Yes
Artificial insemination of a lion results in two cubs - world-first	None	News	Pretoria, SA	Local	No	Yes
SANDF to clean up the Vaal	None	News	Vaal, SA	Local	No	Yes
3200 year old cheese found in grave	None	News	Cairo, Italy NY	International	No	Yes
Space expedition went wrong but astronauts fine	Then it felt as if an elephant sat on our chests	News	Russia, US	International	No	Yes
Afriforum took dead fish and sewage with a complaint to Emfuleni municipality	Afriforum angry over contaminated water	News	Vaal, SA	Local	No	Yes
Elephants without borders sees 87 elephant carcasses in Botswana	Elephants are dying	News	Botswana	International	No	Yes
Research team to determine why giraffes are becoming extinct	None	News	Free State, SA	Local	No	Yes
Dinosaur bones found in fossil bed in Eastern Cape	None	News	Eastern Cape, SA	Local	No	Yes
The whole world is becoming hotter and it's our last chance	It will become 5 degrees hotter	News	US, SA	Glocal	No	Yes
Microbeads banned to protect the environment	None	News	SA	Local	No	Yes
New strange planet discovered	None	News	Mexico, SA	Glocal	No	Yes
24 lions being relocated to Mozambique to revive ecological environment	None	News	Mozambique, Zimbabwe, SA	Glocal	No	Yes
A lost city was found outside Joburg using new technology	900 houses from 1500 to 1820 built here	News	Jhb, SA	Local	No	Yes
Emfuleni municipality given R200 million by COGTA to clean up the Vaal River	None	News	Vaal, SA	Local	No	Yes
IPCC report is bad news for Africa re: climate change	Climate is changing quickly, we must save lives	News	South Korea, Africa	Glocal	No	Yes
Advice on how to fix the Vaal's mess	None	Opinion	Vaal, SA	Local	Yes	Yes
Urologist extracts sperm from man and implants in woman	None	News	Stellenbosch, SA	Local	No	Yes
7500 wild animals to be moved to a Mozambique park over 5 years	Kruger animals given to neighbours	News	Mozambique, Zimbabwe, SA	Glocal	No	Yes
Orangutan born through a C-section	None	News	US	International	No	Yes
SA commits to plan to save walrus in Antarctica	None	News	Antarctica	International	No	Yes
130 new viruses found that live on your skin	None	News	CT, SA	Local	No	Yes
A child from 1600 years ago was buried with a stone in the mouth	None	News	Rome	International	No	Yes
London Declaration: Illegal trade of animals: fauna and flora	It is of international concern	News	London	International	No	Yes
Dairy keeps you healthy and protects you against cardiovascular diseases	None	News	US, Europe	International	No	Yes
Oldest drawing found in the Blombos Cave	Sketch beats Europeans drawings by 30 000 year	News	South Cape, SA	Local	No	Yes
Canned lion industry a threat to tourism	Canned lion industry a threat to tourism	News	SA	Local	No	Yes
Search for dark energy	None	News	KZN, Karoo, SA	Local	No	Yes
Follow the breakthroughs at CERN over time	Another breakthrough at CERN after six years re:	News	Switzerland	International	No	Yes
Anti-inflammatory can lead to heart disease, stroke	Anti-inflammatory can lead to heart disease, stroke	News	UK	International	No	Yes
Those who have diabetes at higher risk of getting cancer	None	News	Europe	International	No	Yes
A woman's chance of surviving a heart attack better if she has a female doctor	None	News	US	International	No	Yes
Solar Car challenge goes from Pretoria to PE	None	News	SA	Local	No	Yes
Farmers in Turkey ate cheese and peas thousands of years ago	None	News	Turkey, Germany	International	No	Yes
A new large moon found outside of the solar system is a big deal	It's gassy and almost as big as Neptune	News	US	International	No	Yes
Climate change means Zim too hot for tsetse fly so its migrating to SA	KNP under threat as habitat changes	News	Zimbabwe, KNP, SA	Glocal	No	Yes
Japanese want to create legislation to save the whales	None	News	Japan	International	No	Yes
More than 821 million people are almost always hungry	Climate change results in massive destruction of	News	US, World	International	No	Yes
New draft Energy plan for SA criticised for coal and nuclear in the mix	It will cost SA R20 million or more	News	SA	Local	No	Yes
Elephants can do some maths	Elephants were 66.8% accurate in making the rig	News	India	International	No	Yes
Mice are eating albatross on Gough Island	None	News	Gough Island, UK	International	No	Yes
A unique light phenomenon to be seen for the first time in SA	None	News	SA	Local	No	Yes
Crustacean found in the KNP	None	News	KNP, SA	Local	No	Yes
New app allows people to explore Dinaledi Cave virtually	None	News	Cradle of Humankind, SA	Local	No	Yes
Lions are biting tyres in the KNP	None	News	KNP, SA	Local	No	Yes

Lewis Pugh does a long swim to raise awareness of plastic in the ocean	None	News	UK	International	No	Yes
Major differences between cannabis for medicinal purposes, impact on adolescents brains	Impact of cannabis intake on young people	News	SA	Local	Yes	Yes
New study shows that floods and drought can lead to increase in suicide	Heat, drought increases risk of suicide	News	US, UK, World	International	No	Yes
Adolescents with scoliosis lack manganese	None	News	US	International	No	Yes
Cross-over species found in fossils, tested DNA	DNA taken from leg provided the insights	News	Germany, Russia	International	No	Yes
Man court with 3500 rare tortoises	Some can be sold for R30 000	News	US, China	International	No	Yes
Drugs used to sedate canned lions can be harmful to handlers	Those that stroke these lions or use their bones a	News	SA	Local	No	Yes
New shuttles will take people into space	Nine astronauts selected for travel	News	US, Russia	International	No	Yes
Oldest meteorite found, older than solar system	None	News	Mexico	International	No	Yes
DNA of bears from Ice Age lives on in brown bears today	None	News	World	International	No	Yes
Vaal River problems are huge, that's why Minister is bringing in the army	None	Opinion	Vaal, SA	Local	Yes	Yes
42% of jobs will be done by robots by 2022	Lots of change in companies within four years	News	Switzerland	International	No	Yes
The review of commercial whale hunting	None	News	World	International	No	Yes
Mpumalanga has some of the most polluted air in the world	Eskom is the culprit	News	Mpumalanga, SA	Local	No	Yes

Relevance	Tone	Tone Categorized	Power Elite	Quoted in the story
Yes	Factual, informative	Factual	Yes	Researchers
Yes	Quirky, informative	Factual	No	None
Yes	Informative, call to action	Factual	Yes	Artist and resident
Yes	Quirky, informative	Factual	Yes	Researchers
Yes	Informative, alarming	Factual	Yes	MEC: Water, Sanitation and Human Settlements, DDG at NDWS for water regulation
Yes	Factual, optimistic, inspirational	Inspirational	Yes	PhD candidate from University of Pretoria
Yes	Alarming, informative, call to action	Alarming	Yes	Minister of Finance
Yes	Quirky	Factual	Yes	Researchers, chemistry professors
Yes	Quirky, informative	Factual	Yes	Astronaut and cosmologist
Yes	Alarming, informative, call to action	Alarming	Yes	Afriforum leaders, Municipal manager of Emfuleni, Spokesperson NDWS
Yes	Contentious	Alarming	Yes	Spokesperson
Yes	Informative	Factual	Yes	Dean of the Faculty of Animal, Plant and Environmental Sciences
Yes	Educational, informative	Factual	Yes	Palaeontologist
Yes	Alarming, informative, call to action	Alarming	Yes	Academics, researchers and scientists
Yes	Alarming, informative, call to action	Alarming	Yes	Spokesperson, scientists
Yes	Quirky, informative, educational	Factual	Yes	Scientists
Yes	Educational, informative	Factual	Yes	Spokesperson
Yes	Quirky, informative	Factual	Yes	Researchers and academics and scientists
Yes	Informative, call to action	Factual	Yes	COGTA Minister, Emfuleni spokesperson, Gauteng MEC for Finance
Yes	Alarming, informative, call to action	Alarming	Yes	Researchers, SG of the UN, climatologist, Director: World Wildlife Fund, researchers
Yes	Alarming, informative, call to action	Alarming	Yes	Minister of NDWS
Yes	Quirky, informative	Factual	Yes	Professor of Urology
Yes	Informative	Factual	Yes	Ike Phaala, spokesperson for the KNP, manager of the KNP, Transfrontier Park manager
Yes	Quirky	Factual	No	None
Yes	Informative	Factual	Yes	EIA spokesperson
Yes	Quirky, informative	Factual	Yes	Professor of Microbial Biotechnology
Yes	Quirky, informative	Factual	Yes	Professor of Archaeology
Yes	Informative, educational, call to action	Factual	Yes	None
Yes	Informative, educational	Factual	Yes	Researchers
Yes	Informative, inspiring	Inspirational	Yes	Researchers, scientists
Yes	Alarming, informative, call to action	Alarming	Yes	NDEA Minister, activists, researcher from SAIIA, SA Hunters Federation
Yes	Educational, informative	Factual	Yes	Researchers and cosmologist, DST Minister
Yes	Educational, informative	Factual	Yes	Physicist
Yes	Alarming, informative, call to action	Alarming	Yes	Researchers
Yes	Informative, educational	Factual	Yes	Researchers
Yes	Quirky, informative, educational	Factual	Yes	Researchers
Yes	Quirky, informative	Factual	No	None
Yes	Informative, inspiring	Inspirational	Yes	Scientists and researchers
Yes	Informative, inspiring	Inspirational	Yes	Researchers
Yes	Alarming, informative, call to action	Alarming	Yes	Two researchers
Yes	Alarming, informative, call to action	Alarming	Yes	Researchers, Spokesperson: Environment Investigating Agency
Yes	Alarming, informative, call to action	Alarming	Yes	Researchers
Yes	Alarming, informative, call to action	Alarming	Yes	Minister of Energy, activists, Centre for Environmental rights spokesperson, SAPS, Greenpeace act
Yes	Quirky, informative	Factual	Yes	Scientists and researchers
Yes	Quirky, informative, call to action	Factual	Yes	None
Yes	Quirky, educational	Factual	Yes	Scientists
Yes	Quirky, informative	Factual	Yes	Entomologist
Yes	Quirky, informative	Factual	Yes	Prof. Lee Berger
Yes	Alarming, informative, call to action	Alarming	Yes	Executive Manager of the KNP

Yes	Educational, informative	Factual	Yes	Lewis Pugh
Yes	Educational, informative	Factual	Yes	Professor of Psychology
Yes	Alarming, informative, call to action	Alarming	Yes	Researchers
Yes	Educational, informative	Factual	Yes	Neurologist
Yes	Quirky, informative	Factual	Yes	Researchers and scientists
Yes	Alarming, informative, call to action	Alarming	Yes	TRAFFIC spokesperson, biologist
Yes	Alarming, informative, call to action	Alarming	Yes	Environmental lawyer, Edna Molewa, Head of Parliamentary Committee, NDEA Minister
Yes	Quirky, informative, educational	Factual	Yes	None
Yes	Quirky, informative, educational	Factual	Yes	Professor
Yes	Quirky, informative	Factual	Yes	Researchers
Yes	Alarming, informative, call to action	Alarming	Yes	Editor, Minister of Finance
Yes	Educational, informative	Factual	Yes	Researchers
Yes	Contentious	Alarming	Yes	Spokesperson
Yes	Alarming, informative, call to action	Alarming	Yes	Senior Manager: Greenpeace, Spokesperson: Eskom

Mentions and Associations	Drama or Contention	Page No
The Lancet	No	1
None	No	1
Vaal Action group	No	1
Nature Plants	No	1
NDWS, Provincial Government, Blue Scorpions, Green Scorpions, NPA, SAPS	Yes - people sabotaging sites so filth flowing into Vaal River	1
University of Pretoria, Ukutula Conservation Centre, Biobank	Yes - AI, make history, world-first	1
Finance Ministry, SANDF, ANC	No	2
University of Catania, University of Cairo, BBC, New York Times	No	3
NASA	Yes - mission aborted	3
NDWS, GPG, Emfuleni municipality, Afriforum	Yes - contention between Afriforum and municipality Emfuleni	4
Elephants without Borders	Yes - contention about how and how many elephants are dead in Botswana Park	5
University of Free State	No	5
Wits University, UJ, Oxford University, University of Birmingham, National Museum in Bloemfontein, University of Zurich	No	5
National University of Australia, PNAS, Stockholm Resilience Centre, Potsdam Institute for Climate Change Research	Yes - Earth will be five degrees hotter - catastrophe	6
NDEA, North West University, Water Research Commission	No	6
University of New Mexico	No	6
KZN Wildlife, KNP, UCT, Oxford University and Rhodes University	No	6
Wits University	No	6
ANC, HRC, COGTA, Emfuleni, Gauteng MEC for Finance	No	6
UN, IPCC, Oxfam, BBC, WWF, Earth System Science Centre, National Geographic	Yes - humans must make changes or everyone will die	7
NDWS, Provincial Government, Emfuleni Municipality, Save the Vaal	Yes - activists versus authorities	7
University of Stellenbosch	No	7
KNP, Zinave National Park in Mozambique, Transfrontier Park	No	8
Sedgewick District Park, US	No	8
Environmental Investigating Agency	No	8
UWC	No	8
University of Arizona	No	9
London Declaration, WWF, TRAFFIC, International Wildlife Fund	No	9
None	No	9
Wits University, University of Bergen	No	9
SAIIA, NDEA, SANBI, EWT, ban Animal Trading, Four Paws, Blood Lions, Green Girls in Africa, Born Free, Conservation Activist	Yes - contention between activists and government	11
UKZN, SKA, DST	No	11
University of Johannesburg	No	12
British Medical Journal, diklofenak and a rang of medication	Yes - tablets can lead to serious illnesses	13
None	No	13
PNAS	No	13
Sasol, TUT	No	13
Max Planck Institute	No	13
Hubble and Kepler telescopes	No	13
London School of Tropical Medicine, Greenwich University	Yes - increase in malaria outbreaks	14
Environment Investigating Agency	No	14
UN Report: The state of global food security and nutrition in the world	Yes - shocking statistics	14
Greenpeace, Centre for Environmental Rights, Energy ministry, Earthlife Africa, Life After Coal, SAPS, Eskom	Yes - contention between energy ministry and activists	14
None	No	14
British Royal Society for the Protection of Birds	Yes - mice versus birds	14
SA Journal of Science, SKA	No	14
University of Pretoria	No	14
Wits University	No	14
KNP	No	15

None	No	15
University of Stellenbosch, Biological Psychiatry: Cognitive Neurosciences and Neuroimaging	Yes - everyone not happy with cannabis ruling	16
American Centre for Illness management	No	17
University of Washington	No	17
Max Planck Institute for evolutionary Anthropology	No	17
TRAFFIC, Valley Institute	Yes - poachers versus rangers	18
General Assembly, NDEA	Yes - lion handlers can die from the sedatives given to lions	18
NASA, Russian Space Station, Starline, SpaceX and Dragon	No	18
University of New Mexico	No	18
Nature Ecology and Evolution	No	18
Finance Ministry, SANDF, ANC	Yes - contention over Vaal River mess	20
World Economic Forum	No	20
Environmental Investigating Agency, International Whale Commission	Yes - difference of opinion as to whether whales should be hunted or not	21
Greenpeace, WEF, Eskom	Yes - contention between Eskom and Greenpeace	a

Position on Page	Headline Size	Sub-headings	Visuals	Prominence of visuals
Right column	Tier 2	None	None	None
Bottom left	Tier 3	None	Mosquito	Second most prominent on the page
Front page	Tier 2	None	Picture of art at the Vaal	Most prominent on page
Bottom left	Tier 3	None	None	None
Lead story	Tier 1	Sewage floods school	Sewage in Vaal River	Most prominent on page
Main story	Tier 2	None	Lion cub and scientists working on cubs in lab	Most prominent on page
Bottom right	Tier 3	Pull out quotes	None	None
Bottom left	Tier 5	None	Old cheese	Not prominent
Centre of page	Tier 1	None	Rocket ship launch	Most prominent on page
Centre of page	Tier 1	None	Afriforum with sewage and dead fish	Second most prominent on the page
Top left quadrant	Tier 1	None	Dead elephant carcass	Most prominent on page
Bottom of page	Tier 4	None	Giraffe in the wild	Second most prominent on the page
Left column	Tier 2	None	Fossils in sand, students working on fossils	Second most prominent on the page
Top right quadrant	Tier 1	Predictions of scientists	None	None
Bottom right	Tier 5	None	None	None
Bottom centre	Tier 4	None	New planet artist's impression	Third most prominent
Centre of page	Tier 3	None	Lion	Second most prominent on the page
Right centre	Tier 1	None	Map and a current image	Second most prominent on the page
Centre of page	Tier 3	None	None	None
Top half of page	Tier 1	Implications for Africa, cities can disappear, Reaction, what we can do	Coal mining	Most prominent on page
Right column	Tier 2	None	Journalist	Second most prominent on the page
Centre of page	Tier 2	None	Surgeon in the laboratory	Second most prominent on the page
Top left quadrant	Tier 1	7500 animals will be moved over 5 years	Animals being relocated	Second most prominent on the page
Top right quadrant	Tier 2	None	Picture of baby orangutan	Most prominent on page
Centre of page	Tier 3	None	None	None
Bottom right	Tier 4	None	Profile picture of Professor	Third most prominent
Top third of page	Tier 2	None	Skull of ten year old who died of malaria with stone	Second most prominent on the page
Centre of page	Tier 1	None	None	None
Bottom left quadrant	Tier 3	A portion of dairy	None	None
Top right quadrant	Tier 1	SA Discovery	Blombos Cave	Most prominent on page
Centre of page	Tier 1	None	Lion in an enclosed space	Second most prominent on the page
Top third of page	Tier 2	None	Hirax telescope's antennas	Most prominent on page
Top right quadrant	Tier 1	Pull out quotes	CERN image of Higgs-boson	Most prominent on page
Top right quadrant	Tier 1	None	None	None
Right column	Tier 3	None	None	None
Left column	Tier 3	None	Heart graphic	Third most prominent
Centre of page	Tier 3	None	Solar car	Second most prominent on the page
Top right quadrant	Tier 2	None	Remnants of clay pots	Second most prominent on the page
Top of page	Tier 1	Pull out quotes	The first exo-moon	Most prominent on page
Centre of page	Tier 1	Know malaria symptoms	Tsetse fly	Not prominent
Top left quadrant	Tier 2	None	Whale in water	Second most prominent on the page
Top left quadrant	Tier 1	Statistics	None	None
Top centre	Tier 1	Pull out quotes	Greenpeace activists scale coal plant	Most prominent on page
Top third of page	Tier 3	Pull out quotes	Elephant in India	Second most prominent on the page
Bottom left of page	Tier 4	Pull out quotes	Tsetse fly	Third most prominent
Centre of page	Tier 2	None	Light	Not prominent
Right column	Tier 3	None	Crustacean new species	Third most prominent
Centre of page	Tier 2	None	Two images of Dinaledi Cave with app	Most prominent on page
Top of page	Tier 2	None	Lions near a car in the KNP	Second most prominent on the page

Bottom left	Tier 5	None	Lewis Pugh triumphant	Fourth most prominent on page
Top right quadrant	Tier 2	None	Graphic of cannabis use across the world	Most prominent on page
Top half of page	Tier 1	Pull out quotes	Drought	Most prominent on page
Left column	Tier 2	None	None	None
Top left quadrant	Tier 1	None	Two pictures of Siberia and fossils	Most prominent on page
Right quadrant	Tier 1	None	Tortoise	Second most prominent on the page
Top right quadrant	Tier 1	None	Lions behind a fence	Second most prominent on the page
Top left quadrant	Tier 1	None	Three pictures of astronauts, space shuttles and st	Most prominent on page
Top right quadrant	Tier 2	None	Oldest meteorite	Second most prominent on the page
Top left quadrant	Tier 2	None	Bear, bones of bear	Most prominent on page
Left column	Tier 1	None	None	None
Top left quadrant	Tier 1	Posts will change	Medical robot in a hospital	Most prominent on page
Right column	Tier 3	Pull out quotes	None	None
Two thirds of page	Tier 1	Pull out quotes	Satellite image showing pollution	Most prominent on page

Caption	Comment
None	Source: The Lancet
Describes image	Source: CBS News
Summary of article	Source: Vaal Action Group
None	Source: Nature Plants
Summary of article	Source: Provincial Department of Water, Sanitation and Human Settlements
Description of scientists at work	Source: University of Pretoria
None	Source: Budget Speech
Describes the image	Source: University of Catona, University of Cairo, BBC, NYT
Summary of article	Source: NASA
Describes people in images	Source: Afriforum
Summary of article	Source: Elephants without Borders
Summary of article	Source: University of Free State
Summary of article	Source: Original based on lead from Wits University
None	Source: PNAS
None	Source: News24
Summary of article	Source: The Astrophysical Journal
Summary of article	Source: KZN Wildlife
Summary of article	Source: Original based on lead from Wits University
None	Source: Emfuleni Municipality
Implications of greenhouse gas emissions for Africa	Source: IPCC report
Byline	Source: Save the Vaal
Summary of article	Source: University of Stellenbosch
Reflects action in pictures	Source: Original based on lead from KNP
Describes image	Source: None
None	Source: Original based on event
Byline	Source: UWC
Summary of article	Source: University of Arizona
None	Source: WWF / TRAFFIC
None	Source: The Lancet
Description of cave	Source: Wits University, University of Bergen
Summary of article	Source: Activists
Summary of article	Source: SKA
Summary of article	Source: University of Johannesburg
None	Source: British Medical Journal
None	Source: EU Association for Studying Diabetes
None	Source: PNAS
Summary of article	Source: SASOL
Summary of article	Source: Nature Communications / Max Planck Institute
Summary of article	Source: Science Advances Journal
Summary of article	Source: Plos 1
Summary of article	Source: Environmental Investigating Agency
None	Source: UN Report
Summary of article	Source: Greenpeace
Summary of article	Source: Journal of Ethology
Summary of article	Source: British Royal Society for the Protection of Birds
Summary of article	Source: SKA
Description of image	Source: University of Pretoria
Summary of article	Source: Wits University, Perot Museum
Describes lion looking at car	Source: KNP

Summary of article	Source: Newswire
Description of image	Source: Original based on research
Summary of article	Source: PNAS
None	Source: Nature Communications
Summary of article	Source: Nature, Max Planck
Description of tortoise	Source: TRAFFIC
Describes canned lions	Source: Original
Summary of article	Source: NASA
Summary of article	Source: Nature Communications / University of New Mexico
Describes bear and bones	Source: Nature Ecology and Evolution
None	Source: Editor
Description of image	Source: WEF
None	Source: Environmental Investigating Agency
Summary of article	Source: Greenpeace

Publication	Media House	Frequency	Day	Date	Section	Science Articles	Byline	Source
The Citizen	Caxton	Daily	Thursday	11/10/18	News	Botswana, Namibia hotspots	Mark New	The Conversation
The Citizen	Caxton	Daily	Tuesday	21/08/18	News	New emissions policy for Oz	None	Reuters
The Citizen	Caxton	Daily	Tuesday	02/10/18	News	Measures for disaster risks	None	Reuters
The Citizen	Caxton	Daily	Wednesday	15/08/18	News	Hug a tree or wash away, warns mayor	None	Reuters
The Citizen	Caxton	Daily	Wednesday	24/10/18	News	Plastic turns up in human stomachs	None	AFP
The Citizen	Caxton	Daily	Thursday	25/10/18	News	Vaal catfish can cause cancer	None	The Conversation
The Citizen	Caxton	Daily	Monday	20/08/18	News	Concern over pollution of Vaal River	None	ANA
The Citizen	Caxton	Daily	Thursday	27/09/18	News	Captive-bred lions poached	Amanda Watson	NSPCA
The Citizen	Caxton	Daily	Tuesday	30/10/18	News	World's worst polluter	Citizen Reporter	Greenpeace
The Citizen	Caxton	Daily	Tuesday	25/09/18	News	Dagga ruling will have side effects	Brian Sokutu	Original based on research from SAMA and SASPOP
The Citizen	Caxton	Daily	Wednesday	29/08/18	News	Poop helps to save species	None	Reuters
The Citizen	Caxton	Daily	Wednesday	19/09/18	News	Runaway lion fathers cubs in new area	None	Caxton News Service
The Citizen	Caxton	Daily	Tuesday	30/10/18	News	SA helps Aussie to save birds	None	ANA
The Citizen	Caxton	Daily	Tuesday	21/08/18	News	Long trek to new home	Amanda Watson	Original
The Citizen	Caxton	Daily	Thursday	04/10/18	News	Alternative to spinal op	Robyn Kirk	Fourways Review, Caxton News Service
The Citizen	Caxton	Daily	Wednesday	26/09/18	News	The next reality check	Arthur Goldstuck	Original
The Citizen	Caxton	Daily	Wednesday	15/08/18	News	SA child obesity rate beats US	Chisom Jennifer Okoye	Original based on research
The Citizen	Caxton	Daily	Friday	12/10/18	World	A near-death landing	None	AFP
The Citizen	Caxton	Daily	Friday	19/10/18	News	Robots handling everyday tasks	None	AFP
The Citizen	Caxton	Daily	Friday	21/09/18	News	Massive storms on the rise	None	Reuters
The Citizen	Caxton	Daily	Monday	01/10/18	News	Climate change meeting starts	None	AFP
The Citizen	Caxton	Daily	Tuesday	16/10/18	World	UK's green targets not enough	None	Reuters
The Citizen	Caxton	Daily	Thursday	20/09/18	News	Poaching puts SA's abalone population on	None	Reuters
The Citizen	Caxton	Daily	Tuesday	23/10/18	News	Zambia to cull 2000 hippos	None	Reuters
The Citizen	Caxton	Daily	Friday	19/10/18	World	Tiny porpoise going extinct	None	AFP
The Citizen	Caxton	Daily	Thursday	25/10/18	World	Not just a blob of ice floating around	None	DPA
The Citizen	Caxton	Daily	Monday	27/08/18	News	Hunting the lethal poacher	Amanda Watson	Original
The Citizen	Caxton	Daily	Thursday	25/10/18	News	New prostate cancer drug	None	Reuters
The Citizen	Caxton	Daily	Tuesday	02/10/18	News	Cancer treatment lands two immunologist	None	AFP
The Citizen	Caxton	Daily	Friday	24/08/18	News	Mystery of the blushing birds	None	AFP
The Citizen	Caxton	Daily	Wednesday	17/10/18	News	Dire results of over fishing	None	Reuters
The Citizen	Caxton	Daily	Monday	03/09/18	World	Mass cull of pigs in China	None	AFP
The Citizen	Caxton	Daily	Wednesday	22/08/18	News	Cabinet sees energy plan	None	ANA
The Citizen	Caxton	Daily	Wednesday	13/09/18	News	Solar spin	None	Sasol
The Citizen	Caxton	Daily	Tuesday	25/09/18	News	Baobab lives up to its name as Africa's tree	Michelle Gumede	AFP
The Citizen	Caxton	Daily	Monday	27/08/18	News	Cyril: protect environment	None	ANA
The Citizen	Caxton	Daily	Friday	17/08/18	News	Emfuleni water stinks to high heaven	Amanda Watson	Original based on lead from Save our Vaal Action Group
The Citizen	Caxton	Daily	Monday	03/09/18	News	Test-tube babies can save big cat species	Simnikiwe Hlathshaneni	Original based on release from the University of Pretoria
The Citizen	Caxton	Daily	Friday	05/10/18	News	Transplant is game changer	Harriet Etheredge, Jean B	The Conversation
The Citizen	Caxton	Daily	Thursday	23/08/18	News	Lifesaving dogs for diabetes	Catherine Rice	ANA
The Citizen	Caxton	Daily	Thursday	16/08/18	News	Banned alien crayfish pop up in dam	None	ANA
The Citizen	Caxton	Daily	Monday	08/10/18	Health	Early detection is essential	Dr Dulcy Rakumakoe	Original
The Citizen	Caxton	Daily	Friday	24/08/18	News	SA cities join hands for sustainable future	None	Reuters
The Citizen	Caxton	Daily	Tuesday	25/09/18	News	Students back in challenge after rebuilding	Citizen Reporter	Tshwane University of Technology / SASOL
The Citizen	Caxton	Daily	Wednesday	01/08/18	News	Pupils learn to look at the future	None	ANA

Source Types	Theme	Topic	Summary
Syndicated Media	Environment and Ecology	Climate change	IPCC report shows that Botswana, Namibia must prepare for climate change
News wire	Environment and Ecology	Climate change	Australian Prime Minister stripped requirements for reducing greenhouse emissions from policy
News wire	Environment and Ecology	Climate change	Airports are at risk of flooding and other issues due to climate change
News wire	Environment and Ecology	Conservation	Mayor warns that forests must be preserved to save lives
News wire	Environment and Ecology	Conservation: 3Rs	Plastic found in human stomachs
Syndicated Media	Environment and Ecology	Water pollution	Pesticides in catfish in Klip River can cause cancer in humans
News wire	Environment and Ecology	Water pollution	Parliament hears that Vaal River is becoming polluted due to lack of maintenance of sewage infrastructure
Original story or original based on lead	Environment and Ecology	Conservation	NSPCA takes NDEA, SA Predator Association to court to prevent trade in lion bones
Original story or original based on lead	Environment and Ecology	Air pollution	Mpumalanga has world's dirtiest air in Emalahleni due to coal power stations
Original story or original based on lead	Health Sciences	Cannabis	Many negative side effects of cannabis
News wire	Environment and Ecology	Conservation	Researchers collecting animal droppings to prevent global extinction of endangered species
News wire	Environment and Ecology	Conservation	Lion cubs born despite contraceptives
News wire	Environment and Ecology	Conservation	Eskom/EWT partnership used as blueprint in Tasmania to save eagles
Original story or original based on lead	Environment and Ecology	Conservation	KNP relocates animals to Mozambique
News wire	Health Sciences	Neurosurgery	New spinal op method for slipped discs done while patient is awake
Original story or original based on lead	Health Sciences	Augmented Reality and surgery	New surgical advances will be augmented
Original story or original based on lead	Health Sciences	NCDs	South African kids more obese due to bad diet choices
News wire	Astronomy	Space science	Astronaut, cosmonaut rescued after failed mission attempt in Russia
News wire	Engineering Sciences	Robotics	Robots can handle everyday tasks at robot summit
News wire	Environment and Ecology	Climate change	Global warming resulting in more vapour in weather systems, more storms
News wire	Environment and Ecology	Climate change	Climate change meeting in South Korea to review climate change progress or regress
News wire	Environment and Ecology	Climate change	UK asks climate change experts to revise targets to meet Paris agreement
News wire	Environment and Ecology	Conservation: Wildlife	TRAFFIC report laments abalone poaching in SA
News wire	Environment and Ecology	Conservation	Zambia to cull 2000 hippos die to overpopulation
News wire	Environment and Ecology	Conservation	Tiny porpoises almost extinct
News wire	Environment and Ecology	Icebergs	Scientists discovered a unique tabular shaped iceberg in Antarctica
Original story or original based on lead	Environment and Ecology	Conservation	New methods to tackle rhino poaching
News wire	Health Sciences	NCDs	New drug can delay the spread of prostate cancer to other parts of the body
News wire	Science and Technology	Nobel prize	Two immunologists win Nobel prize for cancer treatment breakthrough
News wire	Zoology	Ornithology	Macaws express emotions
News wire	Zoology	Fishing	Killer whales will die if they do not have access to Chinook salmon
News wire	Zoology	Animals	Thousands of pigs culled due to outbreak of African swine fever in 5 provinces
News wire	Energy	Energy: IRP	SA's revised energy plan to be released for comment
Original story or original based on lead	Energy	Renewable Energy	Students participating in Sasol solar car challenge
News wire	Environment and Ecology	Forestry	Benefits of the baobab tree
News wire	Environment and Ecology	Conservation	President says we must protect the environment
Original story or original based on lead	Environment and Ecology	Water pollution	Sewage in the Vaal River causing illness, polluting water
Original story or original based on lead	Environment and Ecology	Conservation	Birth of the world's first in vitro lion cubs
Syndicated Media	Health Sciences	Liver transplant	First intentional HIV+ liver transplant from mother to child a success
News wire	Health Sciences	NCDs	Training dogs to be able to sniff people with diabetes type 1
News wire	Zoology	Invasive crayfish	NDEA tracking down invasive red swamp crayfish found in Free State dam
Original story or original based on lead	Health Sciences	NCDs	Causes, risk factors and treatment options
News wire	Environment and Ecology	Climate change	SA cities agree that all buildings will be carbon neutral by 2050
Original story or original based on lead	Energy	Renewable Energy	TUT students doing well in solar car challenge
News wire	Science and Technology	Science education	MEC for Education opens the Rhodesfield Engineering School of Aviation

Blurb	Type	Proximity	Proximity	Exclusive	Public Interest	Relevance	Tone
Warming: countries can expect to be hotter and drier	News	Namibia, Botswana, SA	Glocal	No	Yes	Yes	Alarming, call to action
None	Briefs	Australia	International	No	Yes	Yes	Contentious, informative
None	News	Singapore, China, US, Japan	International	No	Yes	Yes	Alarming, informative
Freetown: Rapid urbanisation destroys forests	News	Freetown, Sierra Leone	International	No	Yes	Yes	Alarming, informative
None	News	Europe, Russia, Japan	International	No	Yes	Yes	Distressing, informative
Study: banned pesticides in river which runs through high-density residential areas	News	Johannesburg South, SA	Local	No	Yes	Yes	Distressing, informative
Lack of maintenance blamed	News	Vaal, SA	Local	No	Yes	Yes	Distressing, informative
NSPCA: Animal society drags head-honchos to court to stop trade in body parts	News	SA	Local	No	Yes	Yes	Alarming, informative
Global: Mpumalanga in no 1 hotspot of nitrogen dioxide emissions	News	Mpumalanga, SA	Local	No	Yes	Yes	Alarming, informative, call to
SMA: Structures needed for off spins, addicts	News	SA	Local	No	Yes	Yes	Contentious, informative
Study: Droppings show health	News	UK, SA, Kenya	Glocal	No	Yes	Yes	Quirky, informative
None	News	Karoo, KZN, SA	Glocal	No	Yes	Yes	Quirky, informative
None	News	Australia, SA	Glocal	No	Yes	Yes	Informative
None	News	Mozambique, SA	Glocal	No	Yes	Yes	Educational, informative
PPDD: First performed in April in SA	News	South Korea, SA	Glocal	No	Yes	Yes	Educational, informative
Rapid advances: Many surgical procedures will be augmented	Opinion	New York, SA	Glocal	No	Yes	Yes	Quirky, informative
Study: America has long been leading the pack	News	US, SA	Glocal	No	Yes	Yes	Call to action, informative
Major setback: Astronaut, cosmonaut rescued without injuries	News	Russia	International	No	Yes	Yes	Quirky, informative
World Summit: Indication of things to come	News	Japan	International	No	Yes	Yes	Quirky, informative
Result of global warming: increased amount of vapour in weather systems	News	US	International	No	Yes	Yes	Alarming, informative
None	Briefs	South Korea	International	No	Yes	Yes	Informative
None	News	UK	International	No	Yes	Yes	Informative
None	News	Zimbabwe, Zambia, China, SA	International	No	Yes	Yes	Informative
None	News	Zambia	International	No	Yes	Yes	Informative
None	News	Mexico	International	No	Yes	Yes	Informative
None	News	Washington, Antarctica	International	No	Yes	Yes	Quirky, informative
Hound and tracker: Symbiotic relationship is key	Feature	SA	International	No	Yes	Yes	Informative
None	News	Frankfurt, Germany, Finland	International	No	Yes	Yes	Hopeful, informative
None	News	Sweden, Japan, US	International	No	Yes	Yes	Informative
Macaws: study suggests they express emotions	News	France, US	International	No	Yes	Yes	Quirky, informative
None	Briefs	US	International	No	Yes	Yes	Informative
None	News	China	International	No	Yes	Yes	Informative
None	Briefs	SA	Local	No	Yes	Yes	Informative
None	News	Free State, SA	Local	No	Yes	Yes	Informative
None	News	SA	Local	No	Yes	Yes	Informative
None	News	SA	Local	No	Yes	Yes	Call to action, informative
None	News	Vaal, SA	Local	No	Yes	Yes	Call to action, informative
None	News	SA	Local	No	Yes	Yes	Quirky, informative
Tough call: Surgery to put part of liver from HIV+ mum into HIV- baby	Opinion	SA	Local	No	Yes	Yes	Informative
Medical alert: Help for patients	News	SA	Local	No	Yes	Yes	Quirky, informative
None	News	Free State, SA	Local	No	Yes	Yes	Informative
Blood tests can be done to help identify specific genetic mutations	News	SA	Local	Yes	Yes	Yes	Informative
Buildings to be carbon neutral by 2050	News	UK, Japan, SA	Glocal	No	Yes	Yes	Inspirational, informative
None	News	Free State, SA	Local	No	Yes	Yes	Inspirational, informative
None	News	Ekurhuleni, SA	Local	No	Yes	Yes	Inspirational, informative

Tone Categorized	Power Elite	Quoted in the story
Alarming	Yes	Scientists and experts
Alarming	Yes	Australian Prime Minister, US President Donald Trump
Alarming	Yes	Researchers, director
Alarming	Yes	Mayor of Freetown, relief workers
Alarming	Yes	Scientists and researchers
Alarming	Yes	Researchers
Alarming	Yes	Chairperson of Parliament's portfolio committee on water and sanitation
Alarming	Yes	NSPCA Wildlife trade and trafficking manager, EWT SA spokesperson, SAPA spokesperson
Alarming	Yes	Senior Climate and Energy Campaign Manager
Alarming	Yes	SA Medical Association President, SA Society of Psychiatrists member
Factual	Yes	Scientists, professors
Factual	Yes	General Manager
Factual	Yes	Raptor Refuge and EWT spokespersons
Factual	Yes	Veterinary Wildlife Services coordinator
Factual	Yes	Doctors, neurosurgeon, patient
Factual	Yes	Lenovo Worldwide Enterprise Business Senior VP and GM
Factual	Yes	Vice-chairperson of the SA Medical Association, dietician, chef
Factual	Yes	Russian politician, NASA officials, Kremlin spokesperson
Factual	Yes	CarriRo Robot
Factual	Yes	Atmospheric Research scientist, researchers, director of insurance company
Factual	Yes	None
Factual	Yes	Researchers, experts, Energy and Clean Growth Minister
Factual	Yes	Researchers, authors
Factual	Yes	Botswana government, Born Free activists
Factual	Yes	Researchers
Factual	Yes	Scientists and researchers
Factual	Yes	Rangers, SAPS spokesperson, DWNP coordinator Botswana, activists, NDEA Minister
Factual	Yes	Scientists and researchers
Factual	Yes	Immunologists
Factual	Yes	Scientists and researchers
Factual	Yes	Scientists
Factual	Yes	Ministry spokesperson
Factual	Yes	Energy Minister Jeff Radebe
Factual	Yes	Students and participants in the solar car challenge, Embassy of the Netherlands
Factual	Yes	Ecologist who develops ecoproducts, nutritionist and ethnobotanist
Factual	Yes	President of the Republic of South Africa
Factual	Yes	Activists, Emfuleni spokesperson, COGTA minister
Factual	Yes	Professors, doctors, researchers
Factual	Yes	Professors, doctors, clinicians
Factual	Yes	Diabetes specialist
Factual	Yes	Aquatic scientist
Factual	Yes	Dr Dulcy Rakumakoe
Inspirational	Yes	New York Mayor, Paris Mayor, experts, consultants, Climate Change Group reps
Inspirational	Yes	TUT students, event coordinator
Inspirational	Yes	Gauteng MEC for Education

Mentions and Associations	Drama or Contention	Page Placement
IPCC	No	8
Australian government	Yes - controversial	10
Fitch Solutions	No	10
United Nations, Catholic Relief Services	Yes - Mayor warns - recycle and clean up or die	10
Medical University of Vienna	No	8
Researcher	Yes - people eating the fish can get cancer	5
Emfuleni and Sedibeng municipalities, NDWS, COGTA, Parliament	No	
NSPCA, SANBI, Wits University, Oxford University, EWT, SAPA, SAIIA, The Conversation	Yes - contention between NDEA, SAPA and NSPCA	4
Greenpeace	Yes - contention between government, coal producers and activists	5
SAMA, SASOP	Yes - use of cannabis and its side effects is contentious	2
Chester Zoo, University of Manchester, World Wildlife Fund	No	11
Addo Elephant National Park, Karoo National Park	No	7
Raptor Refuge, Tasmanian Telecom, Eskom, EWT	No	5
SANParks, KNP	No	7
Life Care Hospital Fourways	No	7
Transform 2.0, Lenovo	No	20
SA Medical Association, FitChef	No	3
NASA, Russian Space Agency Roscosmos, Kremlin, European Space Agency, International Space Station	Yes - failed launch attempt	18
Japan	No	18
US National Oceanic and Atmospheric Administration, Stony Brook University, Lawrence Berkeley National Laboratory, National Centre for Atmospheric Research	No	21
2015 Paris Agreement, UN climate change conference	No	4
UK Ministry of Energy and Clean Growth, UN	No	9
CITES, TRAFFIC, UN	Yes - abalone poaching destroying oceans	8
Botswana Government, Born Free	Yes - contention between government and activists	7
International Committee for the Recovery of the Vanquita, Mexican government	No	20
NASA	No	18
NDEA, Campaign against canned lion hunting, Department of Wildlife and National Parks Botswana, SAPS, KNP, Operation Rhino 9 Task Team, SAND	Yes - contention between conservations, lion breeders, Ministry, rang	6
UD Food and Drug Administration, Orion, Bayer	No	15
US Food and Drug Administration, Nobel Assembly, University of Texas, Kyoto University	No	11
Inra, a French public research institution	No	17
US government fisheries	No	16
Xinhua provincial government, WHO Food and Agriculture Organisation	No	9
Cabinet, Energy Ministry	No	6
University of Delft	No	8
University of Johannesburg, Ecoproducts, African Baobab Alliance, Baobab Foods	No	6
Presidency, Biodiversity Economy Operation Phakisa	No	4
COGTA, DWS, Save our Vaal action group, Emfuleni municipality	Yes - contention between activists and Emfuleni, now court order	2
University of Pretoria, Ukutula Conservation Centre, Biobank	No	3
Wits University, Wits Donald Gordon Medical Centre	Yes - ethical issues to intentionally infect someone with HIV	8
Honey's Garden	No	7
NDEA	No	8
None	No	12 and 13
Climate Change Group, Carbon Trust	No	4
Sasol, Tshwane University of Technology	No	4
GPG Education, SAA, SA Nuclear Energy Corporation	No	8

Position on Page	Headline Size	Sub-headings	Visuals	Prominence of visuals	Caption
Two thirds of page	Tier 1	Warning to act soon or suffer devastating consequences	None	None	None
Left column	Tier 5	None	None	None	None
Top left	Tier 2	None	None	None	None
Top right	Tier 1	Pull out quote	None	None	None
Bottom strip	Tier 2	None	None	None	None
Top half of page	Tier 1	SA obliged to reduce and eliminate use of compounds	None	None	None
	Tier 30	None	None	None	None
Two thirds of page	Tier 1	Info sheet from SAIIA	Lion behind bars	Most prominent on page	Summary of article
Two thirds of page	Tier 1	Emahlaheni area has earth's dirtiest air	Coal power stations and powerlines	Most prominent on page	Summary of article
Centre of page	Tier 1	Documented evidence shows cannabis has extensive side-effects	None	None	None
Top half of page	Tier 1	Animal dung helps to understand stress	None	None	None
Left column	Tier 2	None	Lion with cubs	Third most prominent on page	None
Right column	Tier 2	None	None	None	None
Top half of page	Tier 1	New life for biggest park	Wildebeest being relocated	Most prominent on page	Summary of article
Left half of page	Tier 1	There are risks says neurosurgeon	Profile pics of neurosurgeon and pic of spinal cord	Most prominent on page	Summary of article
Full page	Tier 1	Lenovo leads the way with headset, computing device and software platform	Augmented reality hologram on surgeon, driving	Most prominent on page	None
Top half of page	Tier 1	Fast Facts	Infographic re: BMI	Most prominent on page	What's your BMI score?
Two thirds of page	Tier 1	Pull out quote	Rocket launching	Most prominent on page	Summary of article
Top right	Tier 1	Robots can deliver post, do shopping and build a house	None	None	None
Top half of page	Tier 1	Climate shift also sees storms slow and unload a deluge equal to a year's rain	Hurricane Florence after effects	Most prominent on page	Summary of article
Right column	Tier 3	None	None	None	None
Bottom	Tier 3	None	None	None	None
Top half of page	Tier 1	None	Abalone and official confiscating abalone	Most prominent on page	Summary of article
Left column	Tier 2	None	None	None	None
Left column	Tier 4	None	None	None	None
Bottom strip	Tier 3	None	Tabular iceberg	Third most prominent on page	Summary of article
Full page	Tier 1	Scores of rhino suspects arrested, canned hunt is alive, well, poaching fighting	Dog assisting in anti-poaching	Most prominent on page	Summary of article
Bottom right	Tier 5	None	None	None	None
Bottom left	Tier 2	None	Profile pics of Nobel prize winners	Second most prominent on page	Byline
Top half of page	Tier 1	Pull-out quote	Macaw bird	Most prominent on page	Describes bird
Bottom left	Tier 8	None	None	None	None
Right column	Tier 2	None	None	None	None
Left column	Tier 4	None	None	None	None
Top half	Tier 1	None	Sasol Solar Car and students	Most prominent on page	None
Top half of page	Tier 1	None	People work under baobab tree	Most prominent on page	Summary of article
Left column	Tier 2	Pull-out quote	None	None	None
Bottom third	Tier 2	None	None	None	None
Top half of page	Tier 1	None	Lion cub	Most prominent on page	Summary of article
Two thirds of page	Tier 1	Virally suppressed HIV positive people can help alleviate organ donor shortage	None	None	None
Top half of page	Tier 1	Trained to paw on detecting body odour of low or high sugar	None	None	None
Bottom third	Tier 2	None	None	None	None
DPS	Tier 1	Symptoms, risks, treatment options, results, tests, surgery, chemotherapy	Four generic images, one good graphic re: breast health	Prominent across the DPS	Summary of article
Top right	Tier 1	Pull-out quote	None	None	None
Bottom third	Tier 3	None	Solar powered car	Second most prominent on page	Summary of article
Bottom right	Tier 2	None	Kids and teachers at the opening of the new school	Most prominent on page	Summary of article

Comment
Source: The Conversation
Source: Reuters
Source: Reuters
Source: Reuters
Source: AFP
Source: The Conversation
Source: Save our Vaal Action group (SAVE)
Source: NSPCA
Source: Greenpeace
Source: SAMA /SASOP
Source: Reuters
Source: Caxton News Service
Source: ANA
Source: Original
Source: Fourways Review, Caxton News Service
Source: Original
Source: Original based on research in the International Journal of Epidemiology
Source: AFP
Source: AFP
Source: Reuters
Source: AFP
Source: Reuters
Source: Reuters
Source: Reuters
Source: AFP
Source: DPA
Source: Original, SAPS, Xinhua News Agency
Source: Reuters
Source: AFP
Source: AFP
Source: Reuters
Source: AFP
Source: ANA
Source: Sasol
Source: AFP
Source: ANA
Source: Save our Vaal Action group (SAVE)
Source: University of Pretoria
Source: The Conversation, Wits University
Source: ANA
Source: NDEA, ANA
Source: Original
Source: Reuters
Source: Tshwane University of Technology / Sasol
Source: ANA

QUANTITY OF SCIENCE ITEMS	
Title	Sum
Beeld	63
Business Day	50
City Press	15
Daily Sun	23
Mail & Guardian	29
Rapport	7
Saturday Star	63
Sunday Independent	19
Sunday Times	21
The Citizen	45
The Sowetan	15
The Star	59
Total	409

PROXIMITY				
Title	Glocal	International	Local	Total
Beeld	6	30	27	63
Business Day	9	10	31	50
City Press	3	1	11	15
Daily Sun	3	10	10	23
Mail & Guardian	4	14	11	29
Rapport	1	0	6	7
Saturday Star	8	32	23	63
Sunday Independent	1	5	13	19
Sunday Times	1	0	20	21
The Citizen	9	19	17	45
The Sowetan	0	1	14	15
The Star	4	31	24	59
Total	49	153	207	409

TOP THEMES		
Theme	Sum	Percentage
Environment and Ecology	165	40.3
Health Sciences	96	23.47
Science and Technology	32	7.82
Zoology	27	6.60
Astronomy	23	5.6
Energy	23	5.6
Anthropology and Archaeology	17	4.15
Engineering Sciences	12	2.93
Palaeosciences	7	1.71
Food and Nutrition Sciences	2	0.48
Physics	2	0.48
Agricultural Sciences	1	0.24
Botany	1	0.24
Earth Sciences	1	0.24
Total	409	

POWER ELITE			
Title	Sum	Yes	No
Beeld	63	60	3
Business Day	50	49	1
City Press	15	15	0
Daily Sun	23	17	6
Mail & Guardian	29	28	1
Rapport	7	7	0
Saturday Star	63	60	3
Sunday Independent	19	19	0
Sunday Times	21	17	4
The Citizen	45	45	0
The Sowetan	15	10	5
The Star	59	55	4
Total	409	382	27
Percentage	100%	93%	7%

TONE				
Title	Alarming	Factual	Inspirational	Sum
Beeld	20	39	4	63
Business Day	9	33	8	50
City Press	4	9	2	15
Daily Sun	1	11	11	23
Mail & Guardian	10	18	1	29
Rapport	0	6	1	7
Saturday Star	21	35	7	63
Sunday Independent	1	13	5	19
Sunday Times	3	14	4	21
The Citizen	10	32	3	45
The Sowetan	3	2	10	15
The Star	7	49	3	59
Total	89	261	59	409
Percentage	22%	64%	14%	100%

IMAGES			
Title	Yes	No	Sum
Beeld	48	15	63
Business Day	29	21	50
City Press	11	4	15
Daily Sun	19	4	23
Mail & Guardian	22	7	29
Rapport	4	3	7
Saturday Star	48	15	63
Sunday Independent	15	4	19
Sunday Times	21	0	21
The Citizen	20	25	45
The Sowetan	2	13	15
The Star	30	29	59
Total	269	140	409
Percentage	66%	34%	100%