

# science & Technology

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*The MFPP distillation column at the Pelchem Fluorochemical Plant at NECSA*



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science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

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### Editorial Team:

The DST Newsletter is produced by the Subprogramme: Science Communication.

### Correspondence:

Private Bag X894 • Pretoria • 0001  
Tel.: +012 843 6897 • Fax.: 086 681 0237  
[www.dst.gov.za](http://www.dst.gov.za)

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## Editorial

This edition comes to you during Women's Month, which commemorates 9 August 1956, when women participated in a national march to petition against the pass laws (which required African people to carry a document on them to 'prove' that they were allowed to enter a 'white area'). The 2012 theme for Women's Day is "56 years of women united against poverty, inequality and unemployment".

On 18 July, the Department of Science and Technology joined the rest of country and the world in marking "Nelson Mandela International Day", which recognises Mandela's values and his dedication to the service of humanity in the fields of conflict resolution, race relations, the promotion and protection of human rights, reconciliation, gender equality and the rights of children and other vulnerable groups, as well as the upliftment of poor and underdeveloped communities. Staff contributions of food, clothing and

stationery will go a long way in assisting learners at the Tshwane Home of Hope. We thank you all.

We ended the month of July with the week-long celebration of National Science Week. The 2012 National Science Week launch was held at the University of Johannesburg's Soweto Campus, attended by more than 3 500 parents, residents and learners.

This edition profiles the launch of the Multipurpose Fluorination Pilot Plant at Pelchem in Pelindaba. The plant will play a critical role in converting technology developed in the laboratory into viable commercial projects.

We reflect on the African Diaspora Seminar held recently in South Africa.

Find out about the DST's initiative with the University of the Witwatersrand to increase access to higher education among South Africa's young people and to

encourage and support them in science, engineering and technology studies. To the same end, KwaZulu-Natal recently held a career expo to expose young people to careers in science and technology, among other disciplines.

The DST celebrated the decision by the SKA Organisation to award the major part of the SKA telescope to South Africa and its African partners. The Minister also awarded prizes to learners from all over South Africa who had participated in the MeerKAT-SKA Schools Competition.

In this edition we also introduce you to colleagues who have joined the Department, including the new Chief Information Officer, who intends to ensure that the DST works more efficiently through the effective use of information technology.

Enjoy the read!

Tommy Makhode

# National Science Week By Stephen Matiwane



Guests at the launch of National Science Week 2012

From 30 July to 4 August 2012, the nation had another opportunity to participate in the annual National Science Week (NSW) celebrations led by the Department of Science and Technology.

Held under the theme "The Role of Science in Economic Development", NSW 2012 was officially opened on 28 July by Minister Pandor, accompanied by the Vice-Chancellor of the University of Johannesburg, Prof. Ihron Rensburg, at the University of Johannesburg's Soweto Campus.

NSW is aimed at raising awareness about the importance of science and technology (S&T) in society and the opportunities afforded by S&T-related careers.

The launch was attended by at least 3 500 learners, parents and teachers from around Gauteng.

Exhibitors showcased how S&T can improve the economy and people's quality of life. Most exhibitors were ready from as early as 06:00, doing demonstrations and experiments that

saw learners leaving the venue highly motivated to further their studies in S&T.

Speaking at the launch, the Minister said, "Raising public awareness about science, engineering and technology, which has brought us together here today, is one of the key priorities of my department."

NSW 2012 had an international flavour, with the focus week coming under the auspices of the German-South African Year of Science 2012/2013. The German exhibition area showcased S&T projects on which Germany was cooperating with South Africa.

The German and Swiss ambassadors to South Africa, Dr Horst Freitag and Mr Christian Meuwly, attended the launch event.

The Minister encouraged learners to study and to make sure that they excelled in the two gateway subjects, Mathematics and Physical Science.

"Take part in science expos and Olympiads and competitions. That is how you awaken the desire to become a scientist," she added.

## National Science Week: Honeybush research as a career? Sweet! By Marina Joubert

Honeybush research at the Agricultural Research Council piqued the career interest of bus-loads of school children during the launch of National Science Week (NSW) at the University of Johannesburg's Soweto campus on Saturday, 28 July 2012.

NSW is a major event on the science education calendar, intended to inspire young people to choose science as a career-path. Honeybush research provided the children with a perfect example of real science applied in the South African context. As a home-grown tea product made from indigenous fynbos and with many health benefits, honeybush illustrated to the learners why agricultural research is

important both scientifically and economically.



Naledi Pandor, the minister of Science of Technology opened the launch early on Saturday. Learners were shown around various exhibitions at the event

organised by the Department of Science and Technology and UJ.

At the honeybush stand, learners wanted to know which school subjects would allow them to study towards a career in agricultural research. They learned of the many economic and scientific opportunities in this field, as illustrated by current research into indigenous plants such as Honeybush.

As a fairly young but growing industry in South Africa, the smell of the tea leaves was a new experience for quite a few children and even adults. Samples of the tea were very popular and there were many questions around the health benefits of this caffeine-free tea, rich in antioxidants.

# Pelchem fluorochemical pilot launched

By Sabelo Zikalala



Deputy Minister Hanekom at the Pelchem Plant

Hanekom said: "This pilot plant represents the beginnings of a decisive conversion of this strategic advantage [South Africa's fluorspar reserves are the largest in the world] towards industrial activity, business and job-creation. Moreover, this initiative supports the government's chemical sector development strategy to counter the trade deficit in chemical products, and forms part of the Department of Trade and Industry's broader industrial policy framework."

He concluded by congratulating Pelchem and Necsa on spearheading the venture. "It is an enormous contribution towards our ongoing efforts to expand industrial capacity in South Africa and to build an innovative industrial base," said the Deputy Minister. "This plant ... is the sort of initiative that shows how science, technology and innovation can not only increase our country's global competitiveness, but also produce tangible solutions towards addressing poverty, inequality and unemployment."

One of the DST's priorities is to increase research and development outputs. It has therefore provided a grant for research and development to increase the capacity of technical skills at Pelchem, and is committed to stepping up strategic investments in research, development and innovation activities that support the objectives of sustainably growing our economy and improving the quality of life of our people.

**O**n 17 July 2012, the Deputy Minister of Science and Technology, Derek Hanekom, officially opened the Multipurpose Fluorination Pilot Plant (MFPP) at Pelchem in Pelindaba, near Pretoria.

The MFPP will be responsible for the production of commercial-scale samples of various fluorochemical products for market penetration and qualification, obtaining process parameters and engineering data for scale-up to commercial plants, research and development work in terms of testing and verification of new innovative processes and design ideas, supporting student training in engineering and chemistry at master's and doctoral levels, and developing technician and operator-

level skills for the fluorochemical industry.

The MFPP is expected to play a critical role in converting the technology developed in the laboratory into viable commercial projects. Demonstrating laboratory-developed technology on a larger scale is essential to attract commercial investors and potential clients. Both local and foreign investors will be targeted. The pilot plant is multi-product enabled and is designed to produce virtually any type of fluorochemical product, which is important for market qualification purposes and for determining key parameters to evaluate and design commercial plants.

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This pilot plant represents the beginnings of a decisive conversion of this strategic advantage [South Africa's fluorspar reserves, which are the largest in the world] towards industrial activity  
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# SKA lunch with the Minister and Deputy Minister

By Nokwethemba Mbatha



*DST staff enjoy the lunch hosted by the Minister and Deputy Minister to celebrate the outcome of the Africa SKA bid*

In celebration of South Africa getting the lion's share of the Square Kilometre Array (SKA) project, Minister Pandor hosted a luncheon for DST staff on 22 June.

The Minister thanked everyone for their role in helping South Africa and Africa secure the major part of the SKA radio telescope.

In her address Minister Pandor said, "We are very proud that South Africa and Africa have been given the opportunity to host the major part of what will be the world's most sensitive telescope."

She added: "It has been nine long years of work by the South African, Australian and New Zealand site bid teams. We are really thrilled to get the news."

The Minister applauded her colleague, the previous Minister of Science and Technology, Mosibudi Mangena, for the work he had done as part of the team that helped to secure the bid.

"I must say he was absolutely thrilled for our country," said the Minister.

In conclusion, the Minister extended her special gratitude to the Deputy Minister and the Director-General.

Deputy Minister Hanekom also thanked everyone and made special mention of the Minister's contribution to the project.

The famous opera group, the Afro Tenors, graced the occasion with beautiful music that saw not only the employees, but also Minister Pandor, dancing.



*The Afro Tenors provided superb entertainment*

# MeerKAT-SKA Schools Competition prize-giving

By Sabelo Zikalala



*Minister Pandor with learners at the prize-giving for the MeerKAT-SKA Schools Competition*

The Minister of Science and Technology, Mrs Naledi Pandor, awarded prizes to the winners of the 2012 MeerKAT-SKA Schools Competition on 9 July 2012 at the Department's offices in Pretoria.

The competition, run by the South African Agency for Science and Technology Advancement, was intended to raise awareness about the Square Kilometre Array (SKA) radio telescope among primary and high school learners.



*One of the winners receives a prize from the Minister*

In her address at the prize-giving the Minister said: "Learners are the raw materials that we need to produce new knowledge in the future. We cannot achieve our grand goals

without our learners working hard and passing at school level. In this regard, we encourage our learners to concentrate particularly on gateway subjects like Mathematics and Science. Most careers in the science and technology fields require a good pass in Mathematics and Science."

She added: "I doubt whether there is a learner in South Africa who hasn't heard of the SKA. I say this because 200 000 SKA competition forms were distributed to schools, science centres, community centres, planetariums, observatories, zoos, museums and libraries. A special effort was made to target schools in rural areas."

The entry forms, developed for both primary and high schools, contained information about Africa's bid to host the SKA, as well as about the MeerKAT and study opportunities in radio astronomy.

More than 36 000 entry forms were received from learners in all nine provinces, with the most entries being received from Mpumalanga, Limpopo and the Eastern Cape.

The nine first prize winners each won a laptop, the nine second prize winners each received a digital camera, and the two learners who obtained third prizes won a visit to Hartebeesthoek Radio Astronomy Observatory.

# The SKA is the beginning of great things



By Marina Joubert

"Let's be great - that is what the SKA is all about!" This was the message from Mrs Naledi Pandor, South Africa's Minister of Science and Technology, at a celebratory dinner held in Pretoria on 17 July 2012. "The outcome of the SKA site bid is the beginning of great things to come," she added. "This wonderful opportunity is now in our hands and it is our responsibility to make the most of it through innovation, excellence and hard work."

the quality of our site bid - all 27 000 pages of it! Now we must deliver on what we promised and seize the many opportunities for development and innovation presented by the SKA."

Dr Fanaroff gave examples of how the SKA project is already helping to reverse the brain drain from South Africa and creating a culture of science in the country. "More than 200 scientists applied when we advertised our latest SKA SA research chair and the seven names on the shortlist were some of the top leaders in this field in the world," he said. "Our universities are seeing a sharp increase in applications from top young scientists and engineers who want to come and work on the MeerKAT and SKA right here in South Africa."



Dr Bernie Fanaroff and Minister Naledi Pandor at a special event in Pretoria to celebrate the outcome of the SKA site bid. Dr Fanaroff, who has been leading South Africa's SKA project since 2003 and has become known as "Mr SKA", received a standing ovation during the event. (Photo: Elsabe Brits)

"Winning this site bid proves that Africa really is the continent of opportunity - a place where we can make a real difference," SKA South Africa project director Dr Bernie Fanaroff told the gathering of African SKA partners and other key role players on the project. "I think the world was surprised by the quality of our people and our work, as well as



Minister Naledi Pandor (left) with journalist Sarah Wild (right). Each guest received a copy of Wild's new book "Searching African Skies: The Square Kilometre Array and South Africa's Quest to Hear the Songs of the Stars". Wild is an award-winning science columnist and the science and technology editor at Business Day. The book is published by Jacana. (Photo: Marina Joubert)



*The Deputy Minister poses with some of the delegates*

# African Diaspora Seminar By David Mokoena

**T**he Department of Science and Technology (DST), in partnership with the International Council for Science Regional Office for Africa (ICSU ROA) and the Academy of Science of South Africa, organised the African Diaspora Seminar at the Monte Casino Conference Centre on 22 May 2012.

This was in preparation for the African Union's Global African Diaspora Summit on 25 May (Africa Day) at the Sandton Convention Centre.

The theme of the African Diaspora Seminar was "Mobilising African Diaspora to contribute to science, technology and innovation for sustainable development". The seminar sought to mobilise, enhance and enable the engagement of the African diaspora in science, technology, engineering and related sectors for projects in Africa.

It was also aimed at gaining an in-depth understanding of how to enable effective and sustainable diaspora engagement by developing a sustainable work plan to strengthen connections to the continent through collaboration, research, representation, fundraising, dialogue and partnerships.

The seminar is one of the many DST initiatives aimed at advancing Africa's economic development through science and technology.



*Some of the participants at the seminar*

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Mobilising African Diaspora to contribute to science, technology and innovation for sustainable development  
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Minister Pandor and Prof. Irene Moutlana, Vice Chancellor of the Vaal University of Technology

# Launch of the Southern Gauteng Regional Innovation Forum and Science Park

David Mokoena

The Department of Science and Technology (DST) participated in the launch of the Southern Gauteng Regional Innovation Forum and Science Park on 4 June 2012 at the Vaal University of Technology (VUT).

The event was attended by, among others, Prof. Irene Moutlana, Vice Chancellor of VUT, Mr Geoffrey Qhena, CEO of the Industrial Development Corporation, Mr McLean Sibanda, CEO of the Innovation Hub, Prof. Deon de Beer, Executive Director: Technology Transfer and Innovation at VUT, and Mr Aki Enkenberg, the Embassy of Finland's Counsellor (Science, Technology and Innovation).

The Minister of Science and Technology, Mrs Naledi Pandor, gave a warmly received address, in which she referred to the important contribution the forum and science park

could make to creating interest in science and technology and raising awareness about how they benefited society.

The Minister said that the Regional Innovation Forum and Science Park could create sustainable jobs through inter alia the creation of new small and medium-sized companies.

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The forum and science park will make an important contribution to creating interest in science and technology  
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*Learners make the most of their opportunity to participate in the Talent Development Programme*

# Talent development and nurturing

By David Mokoena

The Department of Science and Technology has signed an agreement with the Student Equity and Talent Management Unit at the University of the Witwatersrand to host a newly configured Talent Development Programme.

The programme aims to increase access to higher education among South Africa's young people, and encourage and support them in studies in the fields of science, engineering and technology.

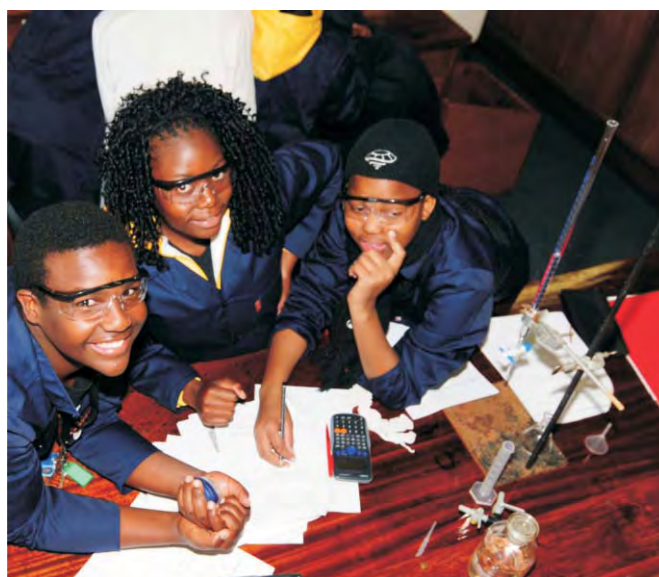
Learners from grade 10 are recruited from schools in disadvantaged communities in all provinces to be part of the programme and are nurtured to give them an opportunity to excel and prepare for tertiary education.

More than 90% of the first group of DST-sponsored grade 12 participants were able to find financial support to further their studies.

Lerato Motjopi, a grade 12 learner from Dendron High School, Limpopo, was one of those on the programme.

Through this programme she participated in the National Aqua Enduro 2012 competition, a Department of Water Affairs initiative to address the shortage of science and engineering skills within the water sector, and has been awarded a bursary for exceptional performance.

In 2011 she was placed third in the country in the Natural Science Olympiad (Biology) organised by the South African Association of Science and Technology Educators. She was therefore selected to represent South Africa at the International Biology Olympiad (IBO) in Singapore in July 2012. This is the first time that South Africa participated in the IBO.



*Participants worked hard, but also had fun*



Visitors show interest in the DST stall

# Umkhanyakude Youth Careers Expo

By Sabelo Zikalala

The MEC of Economic Development and Tourism, Mr Michael Mabuyakhulu, officially opened the Umkhanyakude Youth Careers Expo on 12 June 2012, at Jozini Stadium in KwaZulu-Natal. The five-day event ended on Friday, 18 June 2012.

The project targets young people between the ages of 16 and 28 who find it difficult to enter tertiary institutions for financial reasons.

The MEC said: "The greatest poverty is not being poor or having nothing to eat, but poverty of the mind. This initiative is aimed at making sure that the youth of Umkhanyakude are educated so that they are able to make informed decisions."

The Mondi Science Career Guidance and Further Education and Training Skills Centre was one of the centres that participated in the Umkhanyakude Careers Expo. The Department of Science and Technology has invested in this centre to encourage the participation of young people in science, engineering and technology careers. The main focus of the centre, which has been operating since May 2010, is on providing learners with a one-stop educational facility,

stimulating interest in science subjects, and supporting the training and development of both students and teachers.

The careers expo gave entities across the spectrum an opportunity to tap into Umkhanyakude's human resources. The Mangosuthu University of Technology, the Durban University of Technology and Unisa were among the academic institutions present.



Exhibitors get ready to welcome learners

# Minister visits the Tshwane Home of Hope

By Sabelo Zikalala



Minister Pandor encourages young learners to get an education

**O**n 18 July 2012, to celebrate Nelson Mandela Day, Minister Naledi Pandor visited the Tshwane Home of Hope in Sunnyside, Pretoria, to hand over donations from Department of Science and Technology staff. The donations included food parcels, books and items of clothing. The Department also donated five old computers.

The theme for this year's International Nelson Mandela Day was "Take Action; Inspire Change; Make Every Day a Mandela Day".

The Tshwane Home of Hope is essentially a youth development centre for girls from various parts of South Africa and the African continent.

Its services include residential care, and educational and developmental

assistance to girls and young women who have been victims of rape, human trafficking, sexual exploitation or parental abuse and neglect.

"Through love and care we rekindle the spark of hope in their lives. We value them, and teach them the value of belonging. We reintroduce them to the education system, securing places for them at local schools. We mentor and support them, encouraging them to learn successfully. We get them off the streets and teach them simple skills to earn an income," said the Chairperson of the Tshwane Home of Hope Board, Mr Joe Mavuso.

In her interaction with the girls, the Minister said, "Don't make yourself a victim – you are a victor." She added, "Get a profession, because once you are educated no one can take it away from

you. Remember that you must free yourself first; get an education and use this opportunity in a positive way."



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The Tshwane Home of Hope is essentially a youth development centre for girls from various parts of South Africa and the African continent  
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# AAAS Participates in Euroscience Open Forum 2012

By Ginger Pinholster



AAAS CEO Alan Leshner joined Dominique Ristori, Director-General of the Joint Research Centre of the European Commission, and others for a Euroscience Open Forum panel on "Science without Borders"

Roland Schenkel, former director-general of the JRC, as well as Anne Glover, chief scientific adviser to European Commission President José Barroso, and others for a conversation entitled "Exploding myths on nuclear reactor security, harm reduction, and genetically modified organisms". Panelists discussed what science tells us about climate change and nicotine addiction, for example, versus public misperceptions. "Often people understand science; they just don't want to accept what it is telling us," Leshner said after the session. "That creates tension within society that can hinder scientific progress."

Another AAAS staff member, Ginger Pinholster, director of public programmes, joined a panel discussion on public engagement with science. Research institutions should find ways to reward scientists for their communication and public outreach efforts, as well as their research and publications, speakers said in that session, organised by Andrea De Bortoli, scientific secretary for the Inter-university Centre Agorà Scienza, in collaboration with Enrico Predazzi, professor of theoretical physics. AAAS and its online science-news service, EurekAlert!, participated in the 2012 meeting's exhibition hall.

Also in attendance, AAAS Chief International Officer Vaughan Turekian said the biannual Euroscience meeting, launched in 2004, provides an important forum for advancing international research and stimulating productive dialogue about shared scientific goals. "It's wonderful to see the growth of Euroscience, and I'm pleased that AAAS has consistently supported this pan-European effort to bring stakeholders together in advancing the big issues in science and technology," he said.

Euroscience 2012 was attended by more than 4 000 delegates from 74 countries, *The Irish Times* reported. The next Euroscience event will take place in Copenhagen in 2014.

*The article by Ginger Pinholster, a director of public programs at AAAS, is available on <http://www.aaas.org/news/releases/2012/0720esof.shtml>*

**T**he need for greater inclusiveness in global research collaborations, escalating science-society tensions, and public engagement with science were the focus of the American Association for the Advancement of Science (AAAS) contributions to Euroscience Open Forum 2012, Europe's largest interdisciplinary scientific meeting.

"The balance and distribution of science around the world is shifting," said AAAS CEO, Alan I. Leshner, executive publisher of *Science*, as part of a session on "Science without Borders". "Novel, science-based solutions to global problems will require easing cross-national competitiveness, as well as increased diversification of the world's scientific talent pool," he added.

Moreover, commonly agreed-upon global standards and values, related to issues such as scientific ethics, intellectual property, and access to information, will become increasingly important as additional countries enter the research arena, Leshner said at the conference, which took place from 11 to 15 July in Dublin, Ireland.

Naledi Pandor, Minister of Science and Technology for the Republic of South Africa, also called for broader,

more diverse research alliances. "I'm always amazed that we talk about global partnerships, but when we talk about who makes up the globe, Africa disappears," she said, adding that Africa will be home to one billion people within the next ten years. "How is it possible that such a significant portion of the world's population continues to be ignored?"

Since apartheid, the South African government has worked to move science and technology forward, she said. In particular, the country has been establishing partnerships to support an array of scientific initiatives in areas ranging from health science and agriculture, to water research and astronomy. South Africa also is part of a powerful economic-development bloc known as the BRICS partnership (representing Brazil, Russia, India, China, and South Africa). Moreover, various South African science programmes have been established in collaboration with the European Commission. A major climate research centre was launched, for example, with support from the Commission and the German Government.

In a separate session attended by hundreds of Euroscience delegates, Leshner joined nuclear consultant



# Profile of the new Chief Information Officer, Matile Malimabe

By Nokwethemba Mbatha

## Where were you born?

I was born in Soweto.

## What is your marital status?

I am married and have two boys.

## Where did you study, and what qualifications do you have?

I have a BSc in Electrical Engineering from the University of the Witwatersrand, a master's degree in Electrical and Computer Engineering from the State University of New York, and a master's in Product Development from Rochester Institute of Technology, also in the USA.

## Where did you work before coming to the DST?

Statistics South Africa.

## What are you doing in your current position?

As Chief Information Officer my goal is to enable the Department to work more efficiently through the effective use of information technology.

## What do you like most about your job?

I enjoy daily challenges to make things work well and help people to do their jobs better.

## If you could be or do anything else, what would it be?

I would travel to exotic places and learn their cultures and languages.

## What do you do in your spare time?

I watch competitive sport on television to draw motivation and inspiration.

## Tell us about your 22 years in the USA

I went to America to study further and

worked as an intern at Xerox after graduating. I then went to England to do research in information systems at the University of Bradford. After a year, I went back to the US and worked first for Xerox and then for Kodak.

I learnt quite a lot in America, especially about how Americans succeed by keeping a positive, winning attitude despite challenges.

After many years, I became so homesick that I decided it was time for me to get back to my roots, and share my experiences with my own people. I am now committed to transferring my knowledge and skills to other people.



# Profile of Ivy Mabogoane

By Nokwethemba Mbatha

## Where were you born?

I was born Dennilton, in Mpumalanga, and grew up in Keerom, where I went to school.

## Do you have siblings?

I do not have sisters or brothers, but I have cousins and friends who take the place of siblings.

## Do you have children?

I have two children, Thabang, who is 16, and Koketso, who is five.

## When did you join DST?

I joined the Department in January 2012. It

is awesome working here and I am grateful for the opportunity to better myself.

## Who had the greatest influence on you?

I look up to my very dear friend Sam, who has encouraged me to go back to school to further my education.

## What was the happiest day of your childhood?

I was 12 years old when I participated in a gymnastics competition. I had a lot of fun.

## What and who were your favourite books, movies, sports heroes and

## singers during your childhood?

I enjoyed reading storybooks and watching the Rambo movies. In sports, former Kaizer Chiefs soccer star Doctor Khumalo was my hero, and in music no one did it for me like Brenda Fassie.

## What do you dislike most in others?

I dislike those who disrespect others. Every person deserves to be treated with respect, regardless of their race, gender or background.

# New DST employees

By Nokwethemba Mbatha



Beverley Mositja  
Unit: Human Capital  
and Science Platforms  
Designation: Admin  
Officer  
Start date: 1 June 2012



Linda Dlamini  
Unit: Finance  
Designation: ASD:  
Management Accounting  
Start date: 1 July 2012



Bongani Dibolic Zwane  
Unit: Internal Audit  
Activity  
Designation: ASD: IAA  
Start date: 1 June 2012



Chris Khanye  
Unit: High-End Skills and  
Science Platforms  
Designation: Senior  
Secretary  
Start date: 1 July 2012



Dikeledi Tsatsi  
Unit: National  
Intellectual Property  
Management Office  
Designation: Operations  
and Special Projects  
Start date: 4 June 2012



Kagiso Masete  
Unit: Overseas Bilateral  
Cooperation  
Designation: ASD: OBC  
Start date: 1 July 2012



Thabo Radebe  
Unit: Social  
Development Analysis  
Designation: DD: Policy  
Research Analysis  
Start date: 11 June 2012



Fhulufhelo Malange  
Unit: Enterprise Risk  
Management  
Designation: ASD: Risk  
Start date: 1 July 2012



Sabathini Thakathayo  
Unit: Human Resources  
Designation: HR  
Practitioner  
Start date: 19 June 2012



Wiseman Cameron  
Ndlela  
Unit: Monitoring and  
Evaluation  
Designation: ASD: M&E  
Start date: 9 July 2012



Phumelele Yabo  
Unit: Governance  
Designation: Governance  
Practitioner  
Start date: 25 June 2012



**Coming soon: SA's 64-dish MeerKAT**