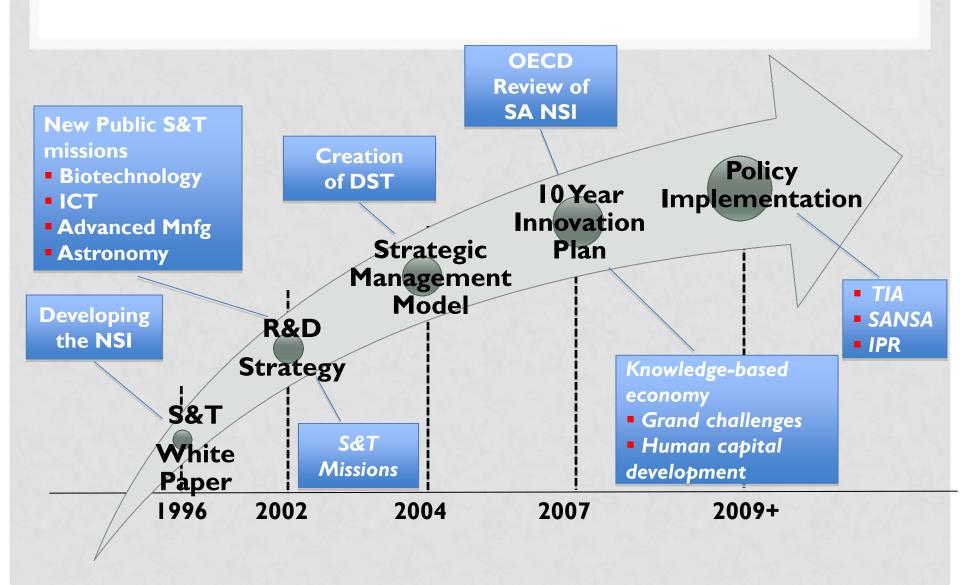
# Science in Society

07 November 2014



Ms Eudy Mabuza Minister Counsellor: Science and Technology Embassy of the Republic of South Africa, in Japan

# POLICY/STRATEGY FRAMEWORK



## **NRF DIVISIONS**

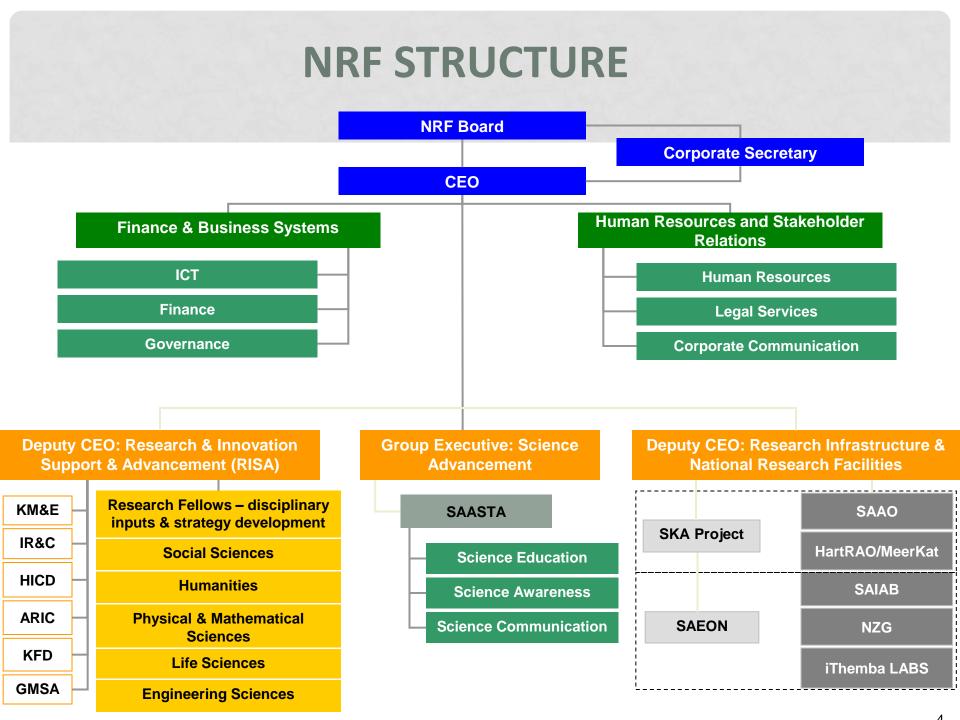
The relationships between the NRF Vision and composition

World-class Research
Transformed Society
Sustainable Environment

Research, Innovation Support & Advancement (RISA) National Research Facilities

Public S&T education and outreach

**National Research Foundation** 



# NRF/SAASTA MANDATE

To advance public awareness, appreciation and engagement of science, engineering and technology (SET) in South Africa through

- Science Education build up the supply of tomorrow's scientists and innovators
- Science Awareness engage the public with the phenomena of science, engineering and technology
- Science Communication share science and technology advancements with the public, building up their appreciation of the benefits of science



## **SCIENCE COMMUNICATION**

 Providing credible and accurate information on science, engineering and technology that is accessible to all South African communities.

#### Processes:

- Scientific editorial process
- Scientific editing
- Audience analysis

#### Focus areas:

- Science and the media
- Science promotion
- Science communication and capacity building





... to uching people's lives by growing their awareness of science

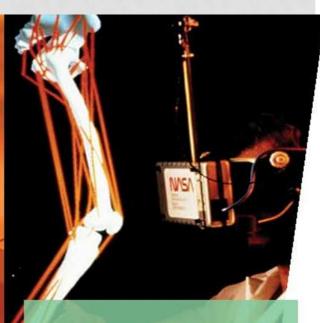
#### **TOUCH**

**SCIENCE AWARENESS** 

... sharing the excitement and achievements of science in daily life

#### **SHARE**

SCIENCE COMMUNICATION



... transforming lives by educating a new generation of young scientists

## **TRANSFORM**

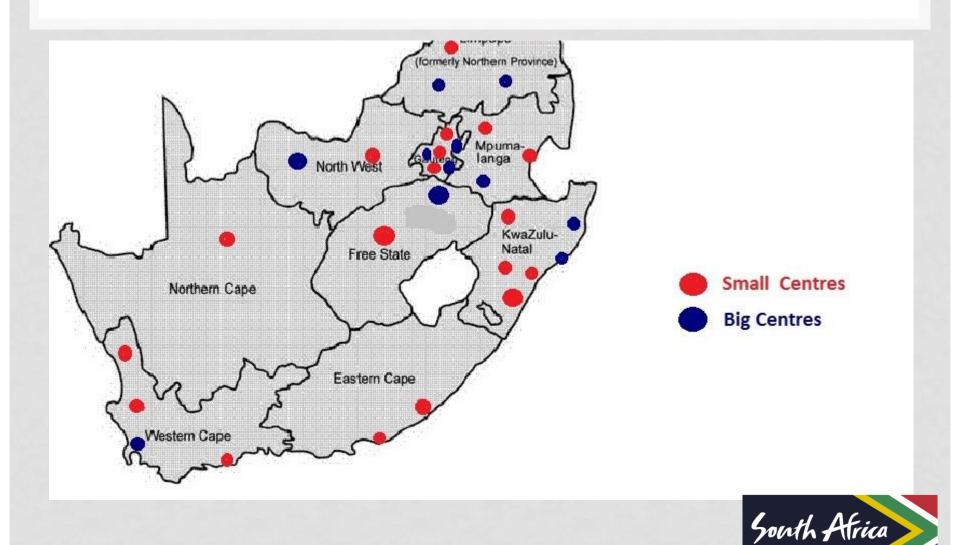
SCIENCE EDUCATION

# INTERPRETING THE MANDATE OF SAASTA

Learners / Public Tertiary Student Student

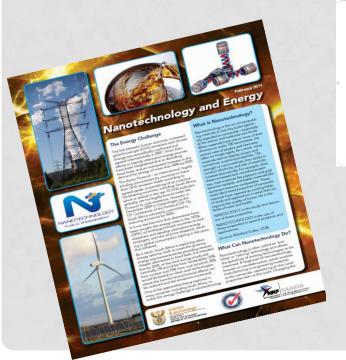


# **SCIENCE CENTRE NETWORK**

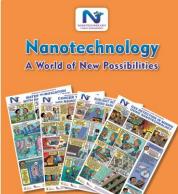


### PROVISION OF RESOURCES IN THE SYSTEM

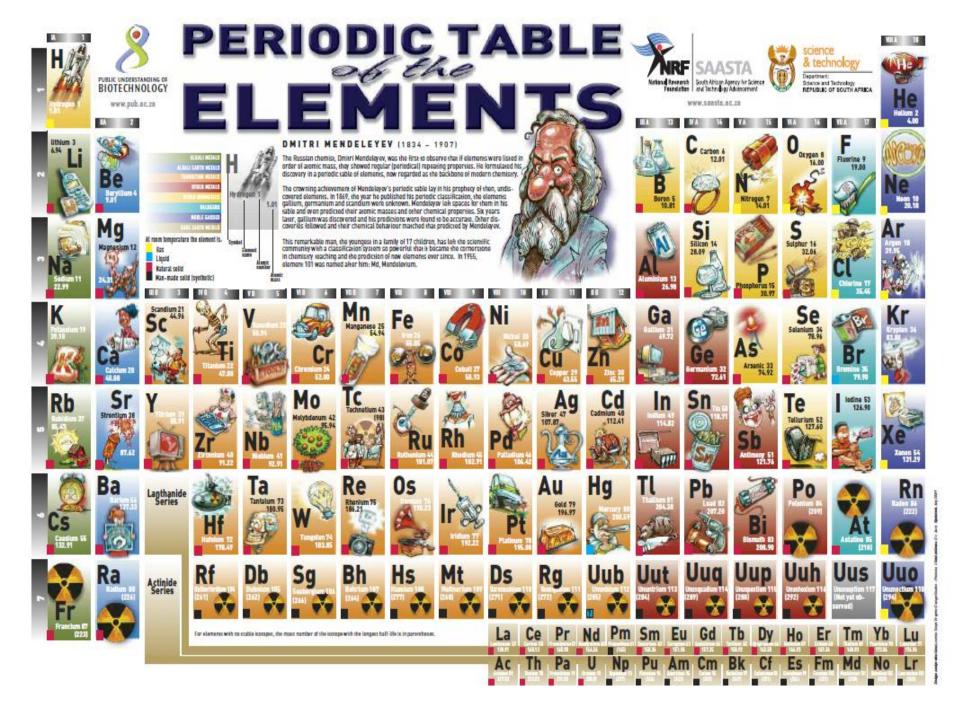
- Curriculum aligned Science, Mathematics educational resources and science kits to learners, educators and schools;
- Resources on SET careers
- Mobile labs, science exhibits, touch screens and funding SET initiatives to science centres
- Fact sheets to students and public











# FRAMEWORK/APPROACH: SCHOOL INTERVENTIONS

OBJECTIVE	MEANS TO REACH OBJECTIVE
1. Learner Performance	Learner camps during school holidays; educator workshops on content and methodology; provision of curriculum educational resource materials to learners, educators and schools
2. Learner and Educator Participation	Through science festivals such as National Science Week and interaction with science exhibits
3. Identify & Nurture Talent	Through Olympiads and Competitions such as the Natural (grades 6 -9) and National Science Olympiads (10 -12), Astronomy Quiz and School Debates
4. SET Careers Awareness	Interaction with appropriate role models in SET; visits to SET related industries and provision of educational resource materials.

## **OUR IMPACT**

Science Awareness, Engagement and Advancement

•<u>Identifying, nurturing and Developing Tomorrow's</u>
<u>Leaders</u>



# SCIENCE AWARENESS, ENGAGEMENT AND ADVANCEMENT

<u>Through</u>: Science festivals, interaction with exhibits, science clubs, Media Round Tables, Critical Thinkers Forum, Science Shows



# IDENTIFYING, NURTURING AND DEVELOPMENT TALENT

<u>Through</u>: Olympiads and competitions; camps, learner and teacher development programmes, exposure to career opportunities in SET

through Role modelling and Internships





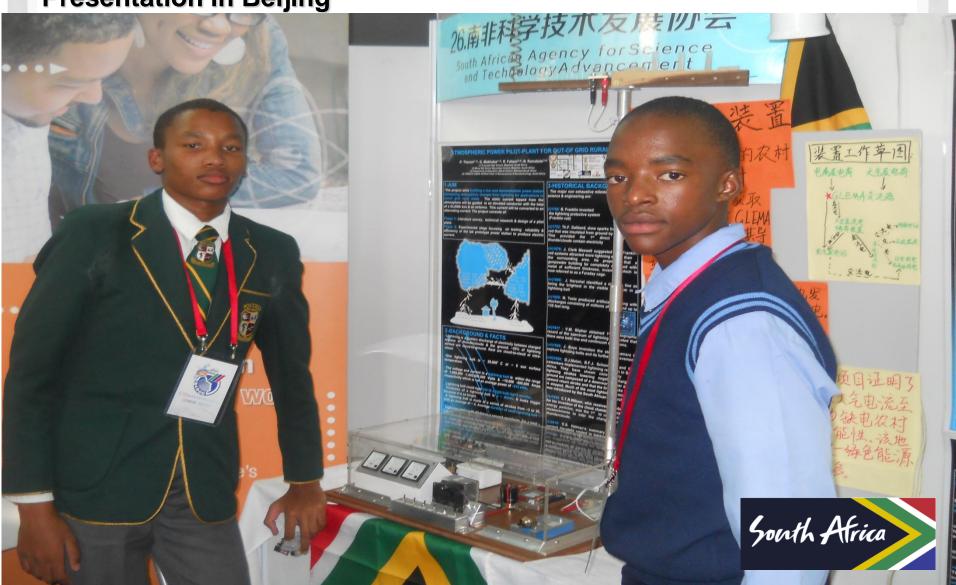






# Beijing, March 2014

**Presentation in Beijing** 



## **MEDIA PARTNERS**

















































# IMPACT: STAKEHOLDERS RELATIONSHIPS & COLLABORATIONS

- Government Departments Funding and provding access to schools and expertise.
- Higher Education Institutions Expertise, sharing of resources
- Science Councils Infrastructure and expertise
- Science Centres Implementation
- Business Sector Funding, expertise and infrastructure
- Professional Association Implementation and expertise



# OVERALL OUTPUT OF OUR INTERVENTIONS

#### Social Relevance:

80% of our reach is in rural areas and disadvantaged communities

#### • Economic Relevance:

Address the shortage of skills in STEMI

#### • Scientific Relevance:

Through it's science awareness outreach activities, SAASTA put the world of Science in the hands of society.





# DANKIE, ENKOSI, ARIGATO THANKYOU

