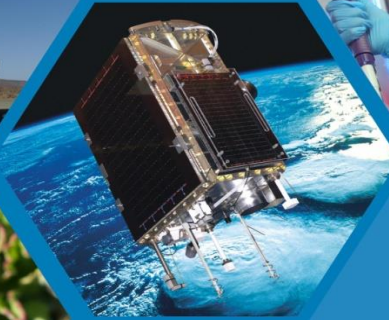


POLICY ISSUES AND ICRI IN CONTEXT: REFLECTION ON THE 2016 OUTCOMES



DG PHIL MJWARA
ICRI 2018
12 September 2018



**science
& technology**

Department:

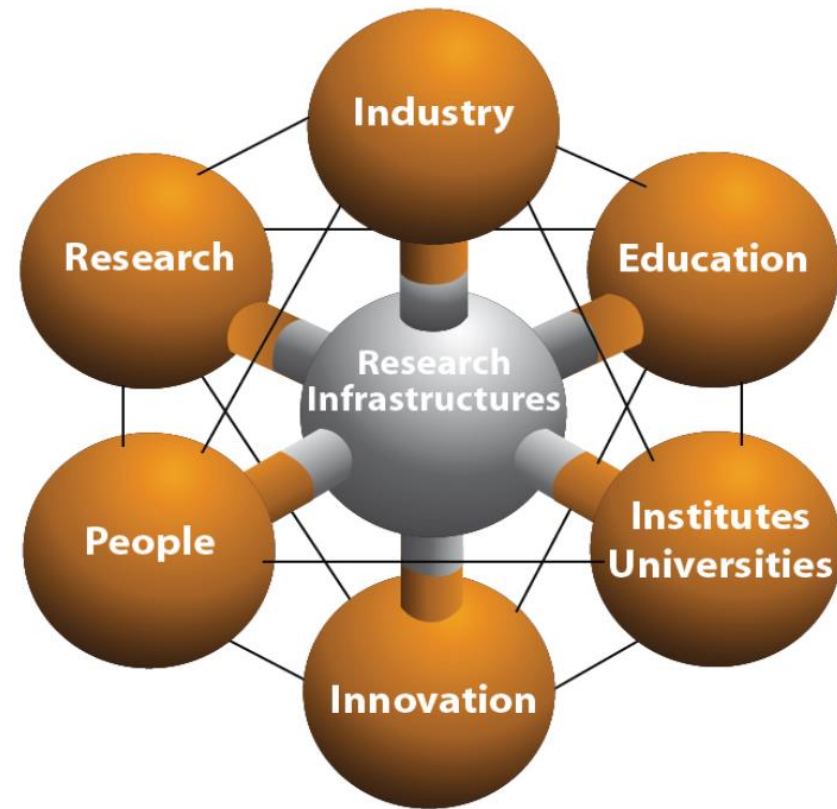


Objectives of South Africa's co-hosting of ICRI 2016

- ICRI as the premier platform for discussions on research infrastructures (RI)
- Contribution to the policy debate on RI
- Effectively building capacity
- Expanding partnerships across sectors
- ICRI 2016 – enriched by the contribution of global participation from Africa and other Continents
- Initiating and building on partnerships across regions



The Research Infrastructure Ecosystem



Research Infrastructures are central and an integral part of an ecosystem:

- driving knowledge generation and exploitation;
- accelerating technology development;
- training for new generations of scientists and science managers;
- technological and social innovation;
- providing capacity to address global challenges; and
- Combining the best available knowledge, human capital and resources in one specific scientific area



Key messages from ICRI 2016 (1)

Global research
infrastructures
(GRI)



- societal dimension - poverty, inequality and unemployment
- challenges - climate change, energy
- global science
- international partnerships
- catalyst for development
- key human capital development
- attract interest from the public & learners in science



Key messages from ICRI 2016 (2)

- **data driven society** - research infrastructures are seen as the catalysts for disruptive technologies
- **data management** - Global research infrastructures and how the dynamics of distributed knowledge are addressed
- **open science and open innovation** – the need for research infrastructures to be able to respond as well have in place the appropriate systems

Key messages from ICRI 2016 (3)



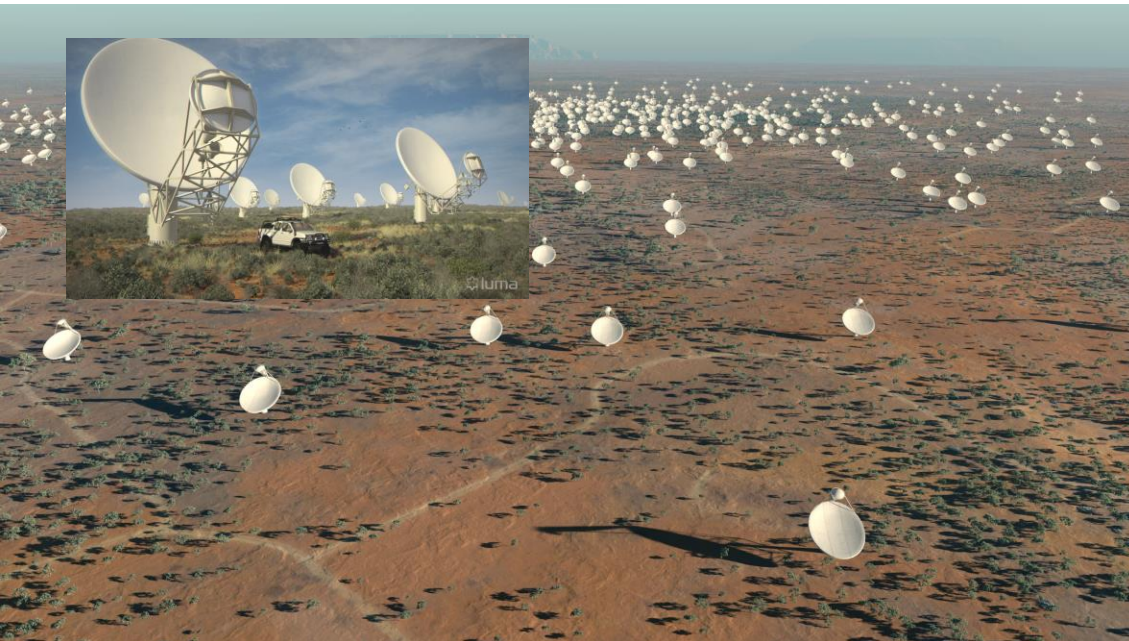
The diagram features a large orange circle on the left containing the text 'Sustainable implementation of GRIs'. A blue arrow points from the right side of this circle to a blue rectangular box on the right. Inside this box is a bulleted list of nine key messages. The background of the slide is white, with a blue header at the top and a decorative hexagonal pattern in the top-left corner.

**Sustainable
implementation
of GRIs**

- **Robust Governance**
- **Funding**
- **IPR**
- **Mobility**
- **Political support**
- **Open science & innovation**
- **Excellence-based access policies**
- **Data policies**
- **Stakeholders**



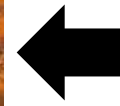
SKA



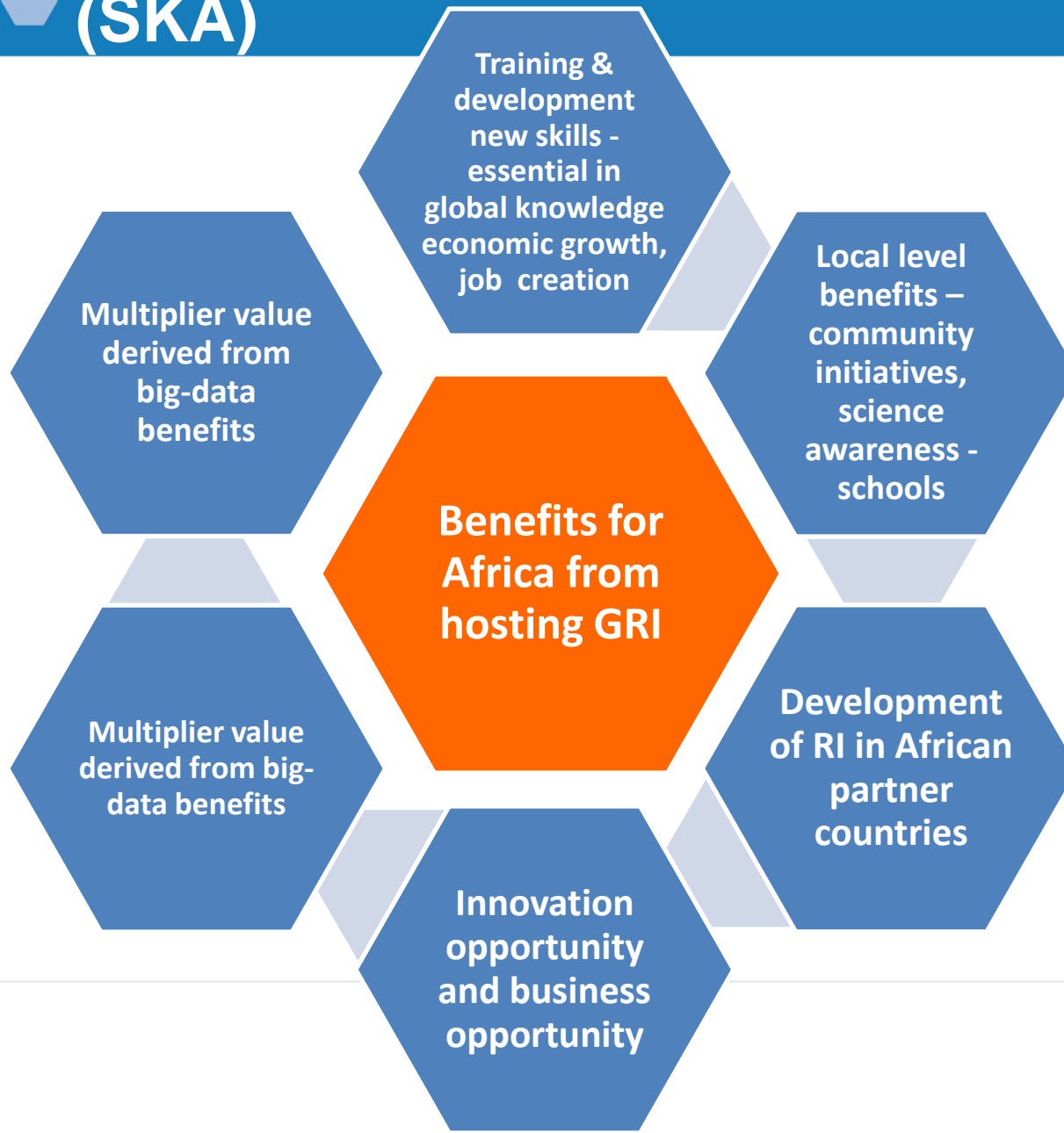
← Africa (mid-frequency)



Australia (low-frequency
+ mid-survey)



Benefits for Africa from hosting GRI (SKA)



Launch of the Meerkat Telescope in Carnavon, Northern Cape, July 2018

Deputy President David Mabuza

Minister of Science and Technology, Ms Mamoloko Kubayi-Ngubane





THANK YOU

