

OVERSEAS AND BILATERAL COOPERATION



Khaya Sishuba
Overseas Bilateral Cooperation



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



Presentation Overview

- Strategic context
- Thematic focus
- Overseas Bilateral Cooperation
- Portfolio of Partners
- Bilateral cooperation Instruments
- Examples of cooperation



Strategic Context

- Principle of knowledge driven economy
- National Development Plan
- New Growth Path
- National Research & Development Strategy
- 10 year innovation plan

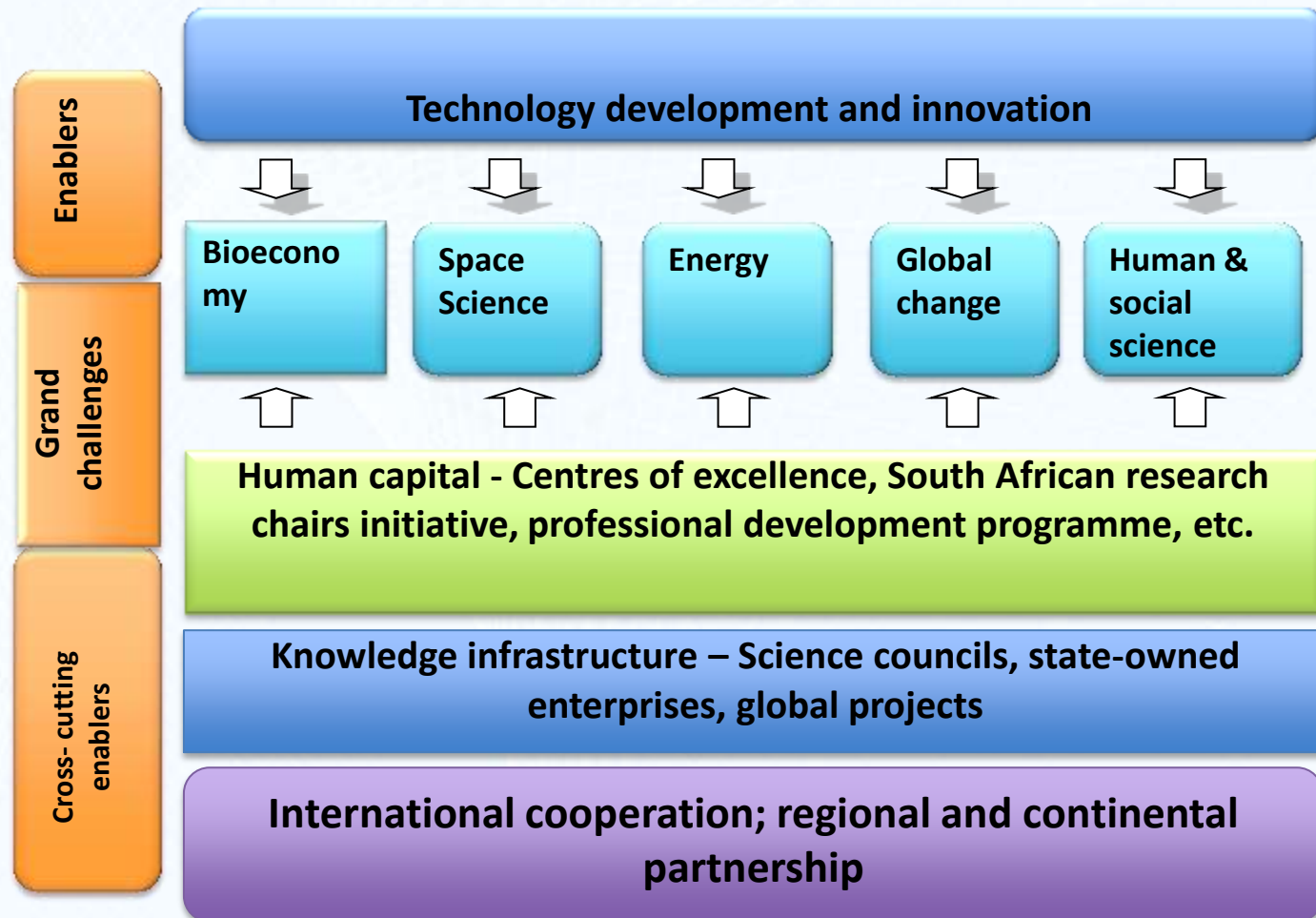


Thematic Focus

- Social Science & Humanity
- Astronomy
- Health Innovation
- Urbanisation
- Environment – renewable energy
- Space
- Biosciences



Ten-Year Innovation Plan



- Investment plan based on strategic priorities



Examples recent S&T developments

- Bioeconomy strategy
- ICT roadmap
- Innovation (Technology Innovation Agency)
- National Intellectual Property Management Office (NIPMO)
- South African National Space Agency (SANSA)





Overseas Bilateral Cooperation

- Strategically develop, promote and manage Bilateral relationships
- Facilitate an exchange of knowledge, capacity and resources between South Africa and its bilateral partners
- Support South African foreign policy through science diplomacy- project our soft power



Bilateral cooperation instruments

DST LEVEL

- Joint Committee meetings
- Policy dialogues
- Strategic workshops
- Industry partnerships
- Researcher/ student exchange opportunities (scholarships, etc)

INSTITUTIONAL LEVEL

- Institutional collaboration

DIRCO/PRESIDENCY LEVEL

- Bi-national Commissions
- High Level Consultations





Portfolio of Partners

Range of partnerships

- EU member countries
- Non-EU countries
- Institutional collaboration
- Trilateral cooperation....





Joint R&D Calls

➤ Examples of Joint R&D call themes

- **France** (Nanoscience/Nanotechnology, life sciences, biotechnology, energy, humanities/social sciences, astronomy)
- **Switzerland** (Public health and bio-medicine, biotechnology, nanotechnology and human and social sciences) (bioeconomy)
- **Germany** (Astronomy, bioeconomy, climate change, urbanization HCD, health innovation, social sciences and humanities)
- **Norway** (climate change, environment and clean energy)
- **Netherlands** (Bioscience and Astronomy)





Joint R&D Calls

Examples of Joint R&D call themes

- **Italy** (Astrophysics, ICT, biotechnology, new advanced materials, nanotechnology, environment and energy)
 - **Flanders** (Climate Change, Health Innovation, Urbanisation, Environment)
 - **Romania** (biotechnology, information communication technology; climate change, energy; applied physics, new materials and technologies, social science and the humanities (including health sciences) and space cooperation.
-
- **UK** (biomedicine, agriculture, biotechnology, environmental protection and the utilisation of natural resources





Flagship projects

Example – Flagship project

- ***Inkaba yeAfrica*** - Earth science communities to study the Earth System in all its complexity and to provide a platform of excellence in research training and capacity-building
- 20 subprojects involving topics such as food security & soil degradation, biodiversity, climate change adaptation, formation & effective use of mineral resources, structure and geologic history of the SA continent.
- **SASCAL** - Southern African Science Service Centre for Climate Change and Adaptive Land Use





Flagship projects

➤ Example – HCD

- Regarding human capital development - model for cooperation – French South African Technical Institute
- The model focuses on providing training in electrical and electronic engineering
- The model offers: training in B.Tech; dual
- M.Tech/MSc and D.Tech/PhD degrees; and training of professionals and academic staff – from SA & partner institutions





Thank you!