



Basic and Applied Energy Research

PHINDILE MASANGANE (SANERI)

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South African-German Dialogue on Science
& Sustainability Conference



science
& technology

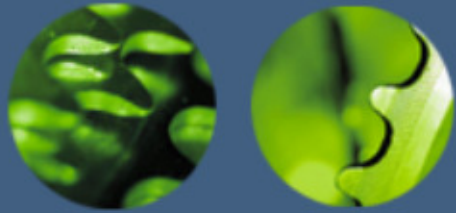
Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



Why strengthen SA-Germany Collaboration in Basic Research

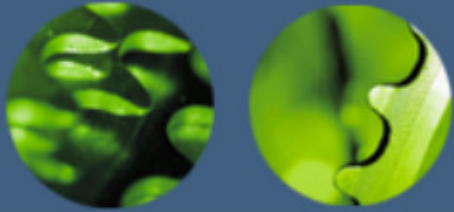
Joint funding (*Institutions, govt funding & EU-FP7*) of programmes has the capability to:

- Increase the scale (number & quality) of Human Capital Development in both countries
- Accelerate progress for research to commercialisation of technologies
- Sharing of knowledge to inform policy formulation



Where we can take off from

- *Fuel Cell Research & Models for Energy Efficiency Transport Systems – Fraunhofer Institute*
- *SA-Germany Energy is Key (Enerkey) Research Collaboration for Germany Cities and SA cities*
- **Clean Coal Technologies**
 - Carbon capture and Storage
- **Renewable Energy**
 - Concentrating Solar Power
 - Biofuels/Bioenergy
 - Energy Storage Technologies
 - Policy instruments



Where we can take off from

- Energy efficiency (intensity) in:
 - Buildings - construction
 - Industry - cogeneration
- Integrated Research Platform – sustainability of energy systems