

***Overview of Challenges facing African Agriculture
and Life Science Universities towards 2030:
Perspectives from South/Southern African Region***

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OUR MISSION

Stellenbosch University is a **research-intensive university** where we attract outstanding students, employ talented staff and provide a world-class environment; a place **connected to the world**, while enriching and transforming local, continental and global communities

CORE STRATEGIC THEMES:



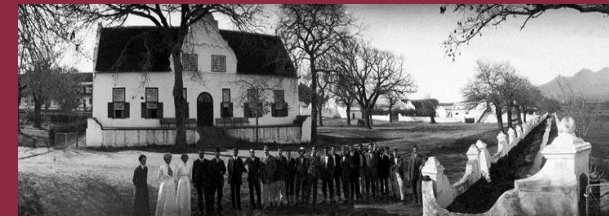
Purposeful Partnerships and Inclusive Networks



Research for Impact

Overview

- Established 1918
- 11 Departments + 3 Institutes
- 1700 Undergraduate students
- 780 Post graduate; 240 PhD
- 125 Academic staff (98% PhD qualified)
- >380 publication units per year
- Top 50 (Global QS ranking)



1. Key trends in Higher Education in Africa
2. Institutional Complexities
3. Research Intensive vs Teaching Intensive Universities
4. Research Intensive Universities:
General and Specific Challenges
5. Towards 2030

- I. Intensifying demand for affordable, accessible and quality education
- II. Increased focus on science, technology, engineering + agriculture
- III. Flexibility in modes of delivery and teaching technology
- IV. Transformation of the curriculum, skills and attributes
- V. Changing nature of funding models and partnerships

- Social, economic and political complexities
- Diverse institutional nature
 - Teaching vs Research vs Services
 - Local vs Regional vs Global focus
 - Public vs Private vs External funding
- Diverse challenges
 - Funding
 - Staff
 - Infrastructure
 - Networks

Advantages

- Staff profile
- Staff : Student ratios
- Infrastructure and facilities
- Diverse funding / income streams
- Networks and partnerships
- Profile and branding

- Expertise in science and technology needed to contribute to and accelerate economic growth
- Intermediate and higher level vocational and technical skills is an important component in skills development
- Particularly in fostering science, technology and innovation and in the application, adaptation and use of technologies

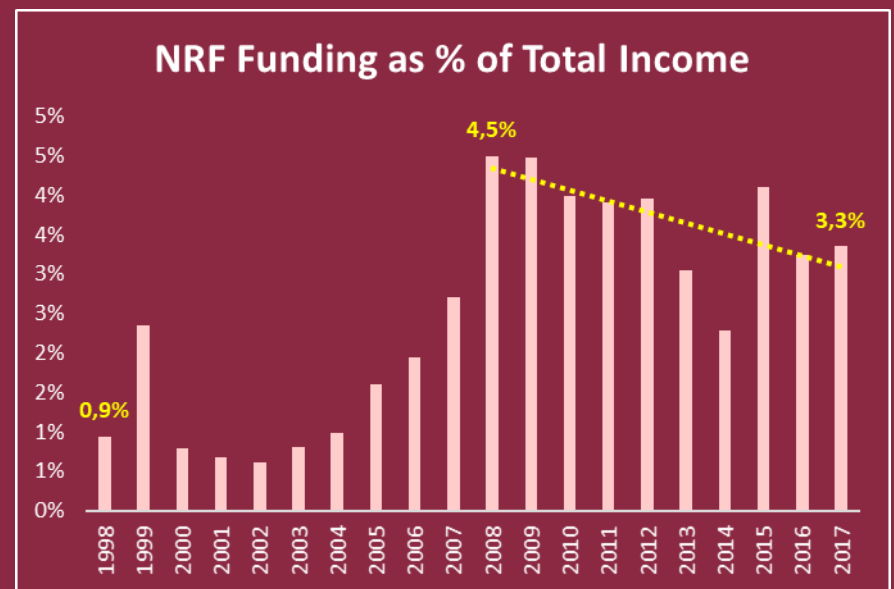
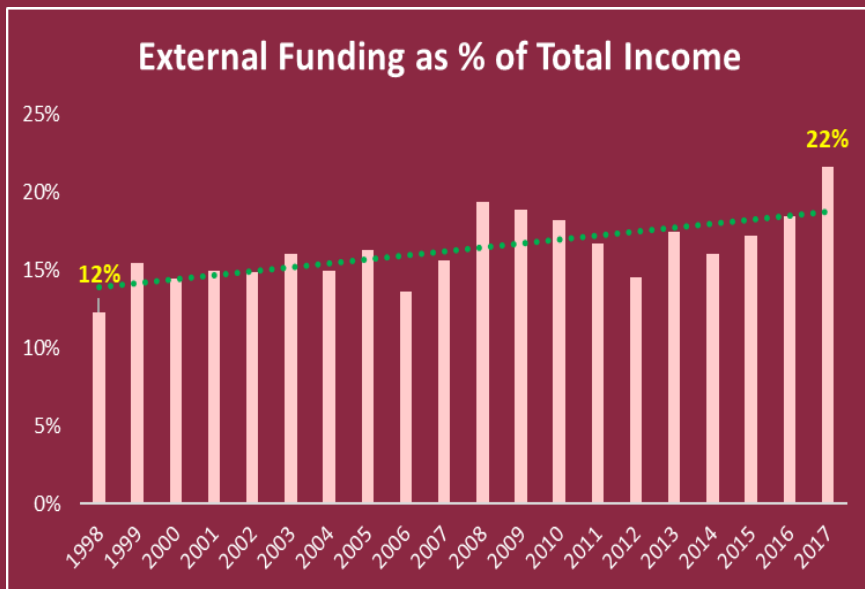
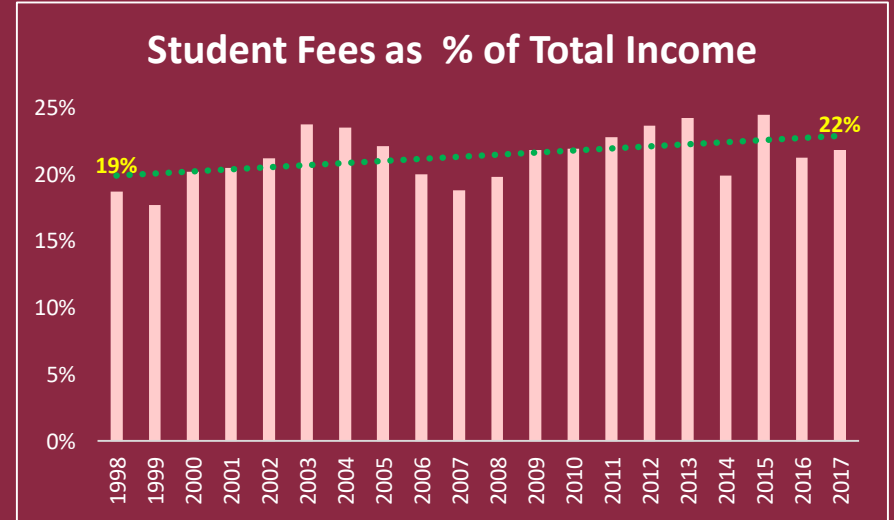
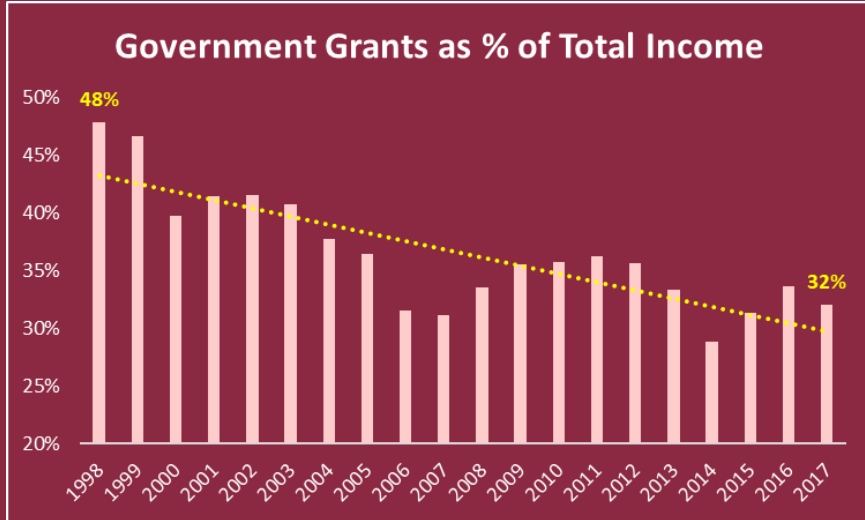
General Challenges

- High costs
- Competition / Globalisation
- Multiple stakeholders
- Dynamic Research & Innovation agendas
- Capacity, policy and market-related constraints

Specific Challenges

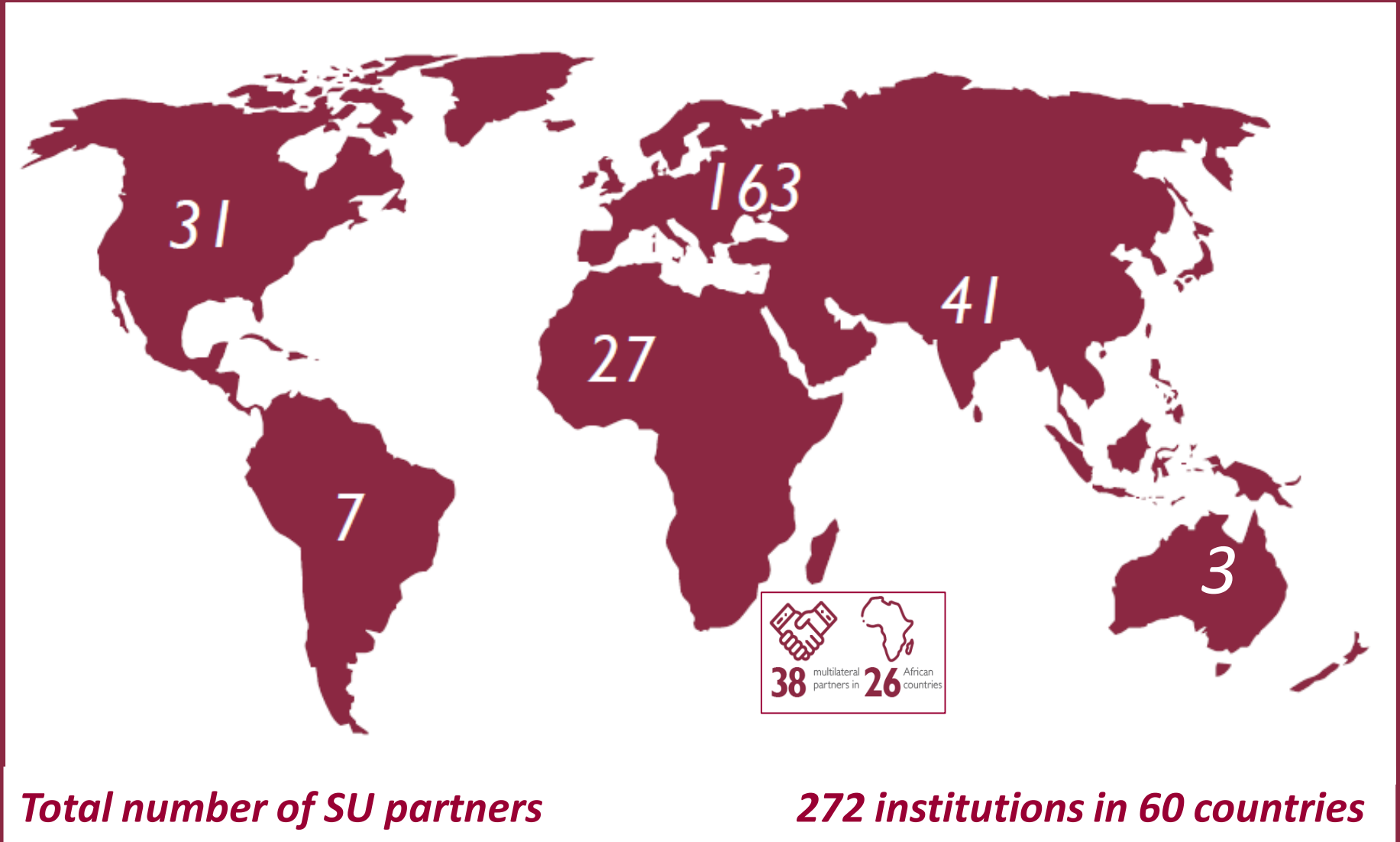
- Reduced government funding
- Growing importance of international networks
- Complexity of R&I agenda
- Divergence of R&I stakeholder interests
- Value proposition: Outputs vs Impacts

Reduced Government Funding: SU*



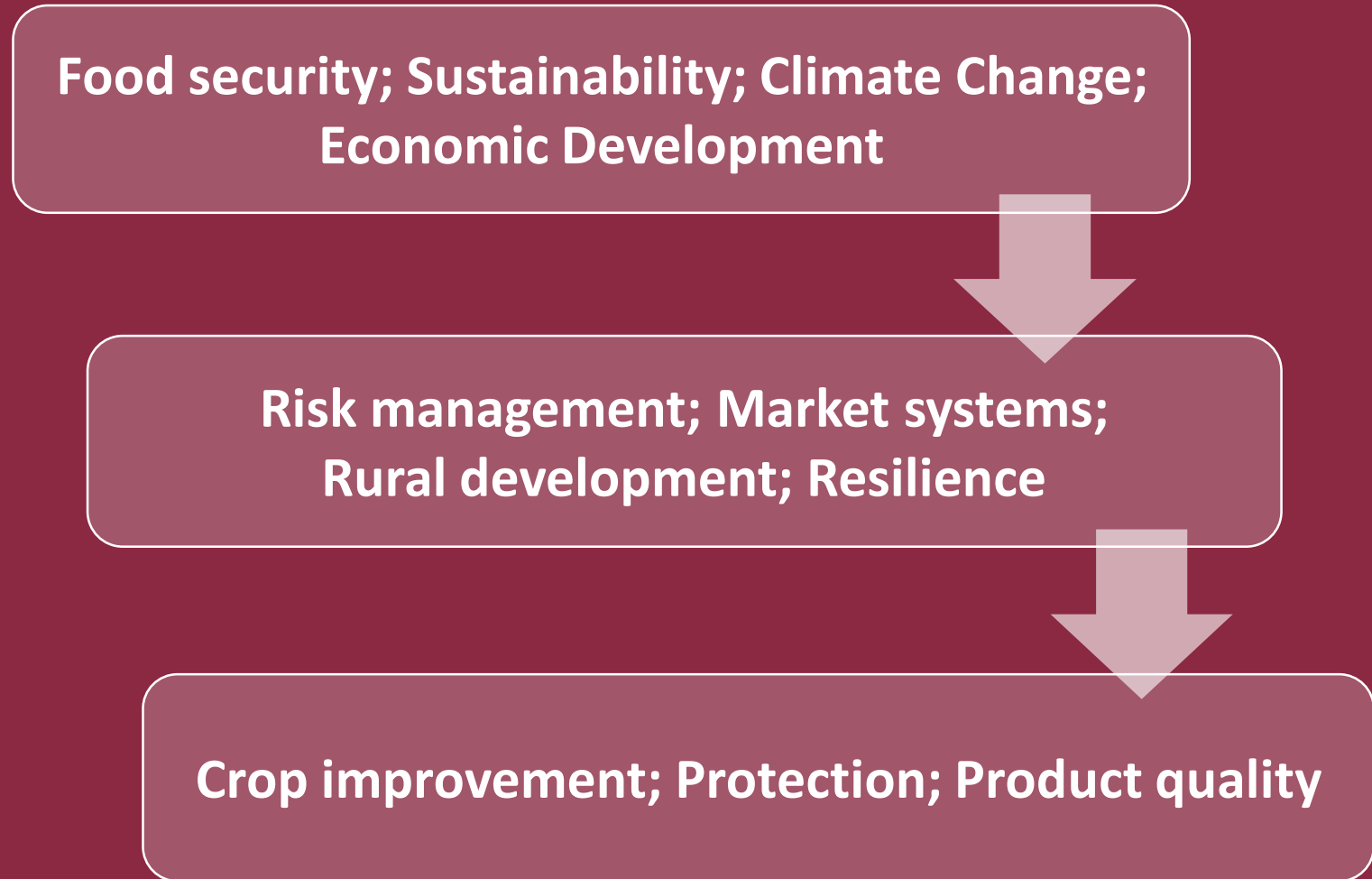
* <http://www.sun.ac.za/english/Pages/Annualreportarchives.aspx>

Importance of International networks



Complexity of the R&I Agenda

C O M P L E X I T Y

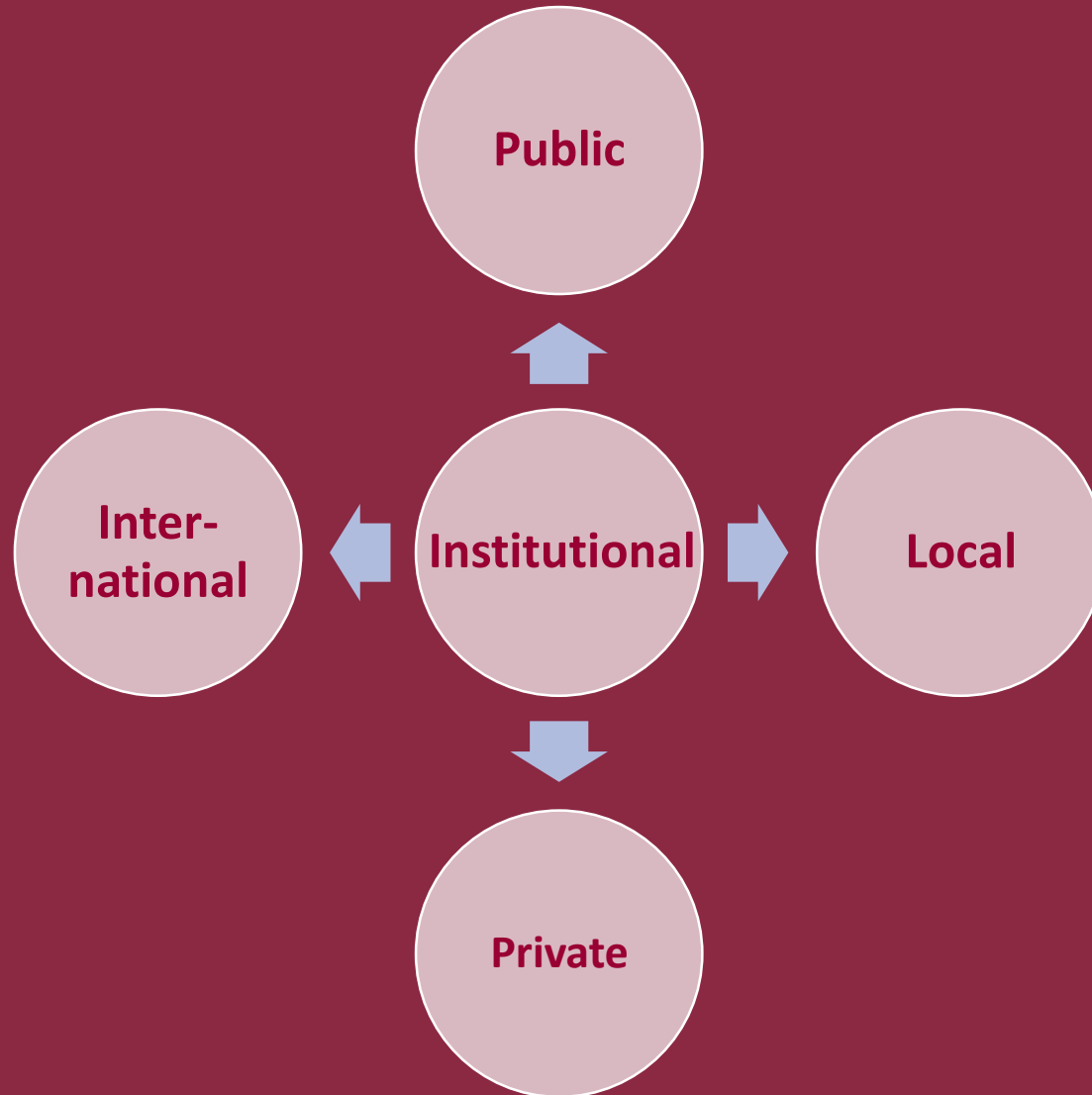


A P P L I C A T I O N

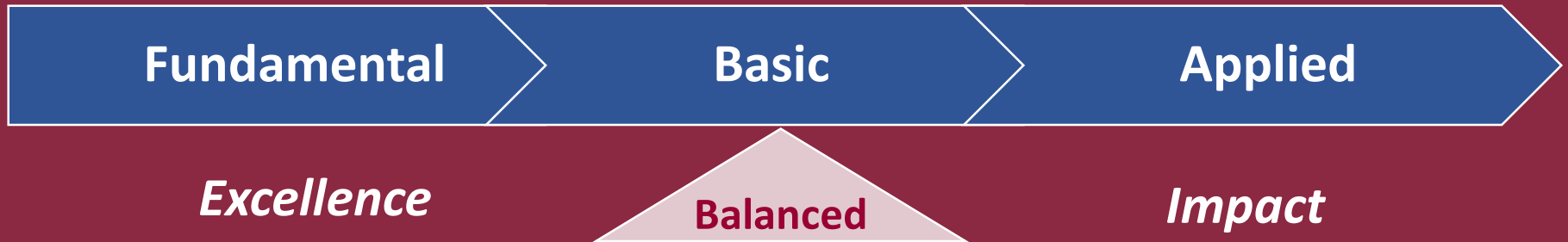
Divergence of Stakeholder Interest



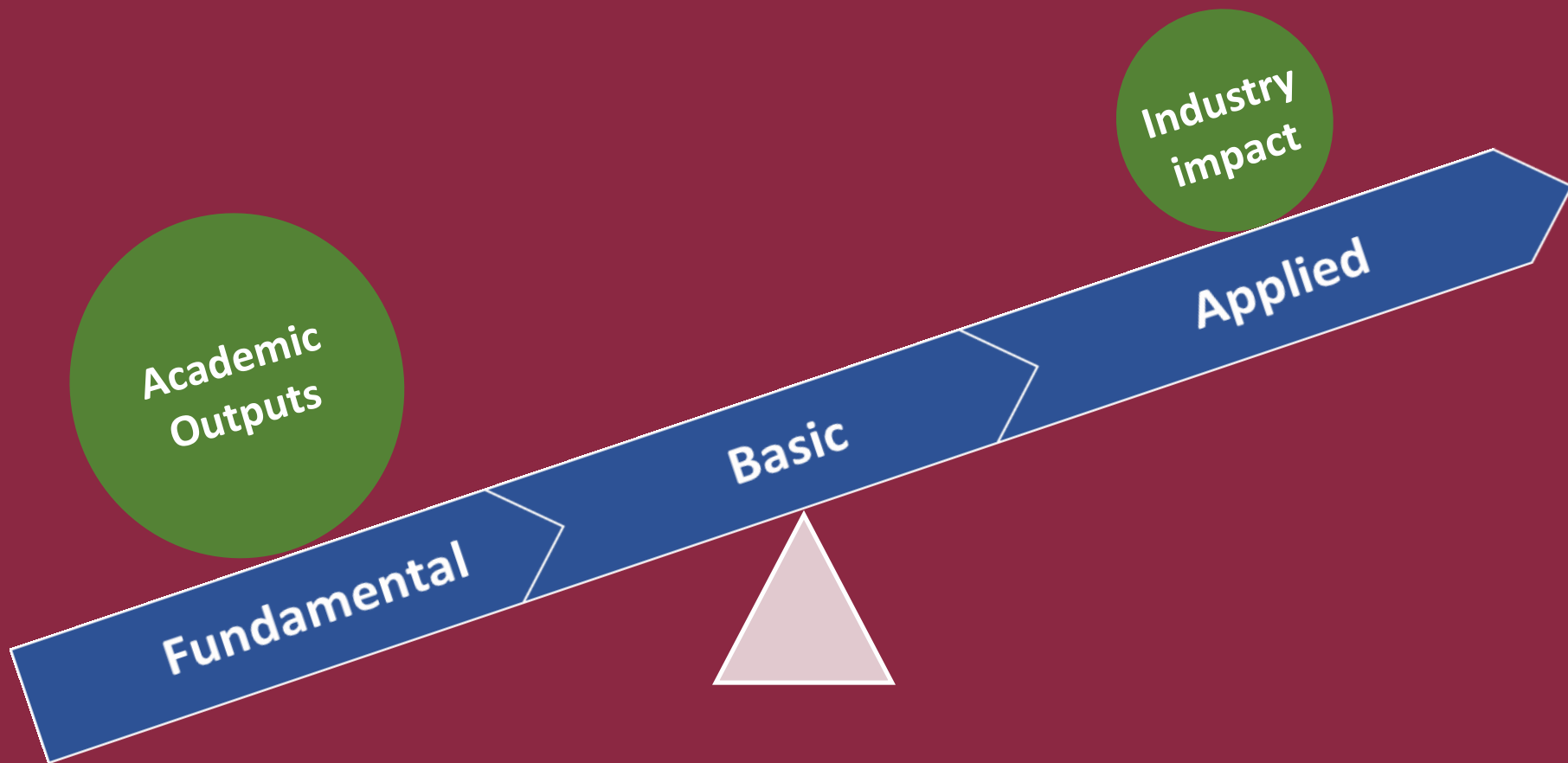
Divergence of Stakeholder Interest



Value proposition of R&I: Outputs vs Impacts



Value proposition: Outputs vs Impacts



- Diversification of the funding model
- Balanced R&I agenda
 - Fundamental to Applied; Outputs vs Impacts
- International partnerships
 - Complexity; Multidisciplinarity; Resources
- Public-Private partnerships
- Formulate sound strategies
 - Regional approach and focus
 - National/Regional Centres of Excellence in priority areas

Thank you

Enkosi

Dankie