



Cape  
Peninsula  
University  
of Technology

creating futures

**One  
SMART  
CPUT**

VISION  
**20  
30**

# African-Bavarian Kick-off Meeting 11 March 2022

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# Brief Introduction to CPUT

- ❖ CPUT is a University of Technology (i.e. University of Applied Sciences) in the Province of the Western Cape, South Africa;
  
- ❖ It is the second largest University of Technology (UoT) in South Africa and the largest higher education institution (HEI) in the Western Cape (WC);
  - ✓ There are close to **35 000** Undergraduates and Postgraduate Students;
  - ✓ Spread over **five Campuses** all within a 100 km radius;
  - ✓ It offers qualifications ranging from Certificates, Diplomas, Masters as well as Doctoral Programmes
  - ✓ Six Faculties: **Applied Sciences, Engineering, Informatics and Design, Education, Health and Wellness Sciences, Faculty of Business and Management Sciences;**
  - ✓ A significant number of Research Institutes covering **Oceans Economy, Biotechnology, Smart Energy**, Food and Nutrition amongst others;
  - ✓ Technology Transfer Centers to enhance **Innovation, Business Support and Commercialization of Research.**

# CPUT Research Focus Areas

**Environment, Climate  
Change & Sustainability**



**Space Science,  
Engineering &  
Technology**



**The Digital Society**



**Human, Health  
&  
Social Dynamics**



**Smart Energy**



**Bio-economy &  
Biotechnology**



CPUT RC in  
Tourism

CPUT RC in  
Innovation in  
Society

CPUT RC in  
Literacy  
Development

CPUT RC in  
Oceans Economy

CPUT RC in  
Energy

CPUT RC in  
Biotechnology

NRF RC in  
Innovative Small  
Satellite Technology &  
Applications in Africa

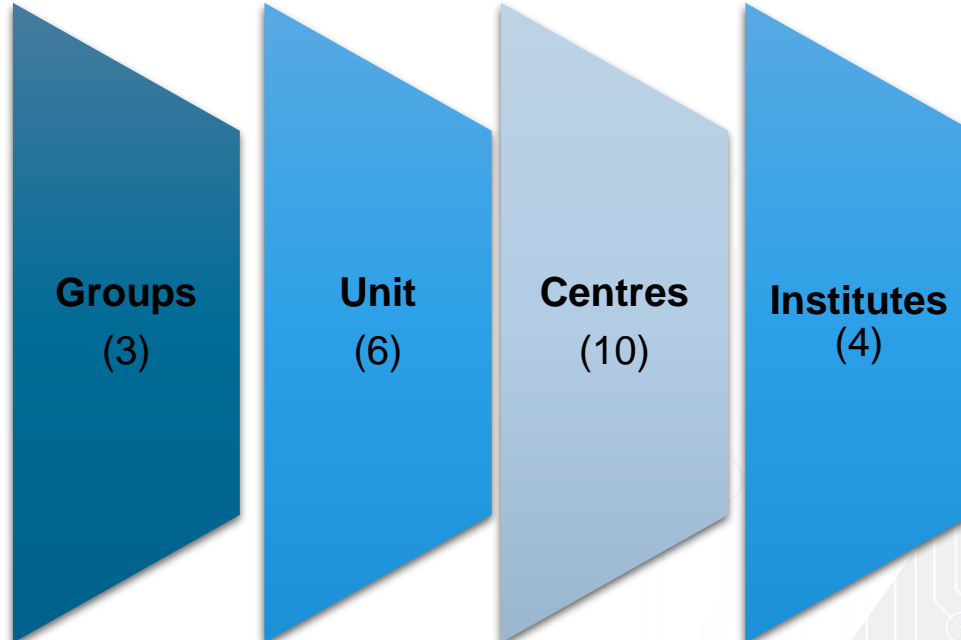
ETDP SETA RC in  
Work Integrated  
Learning

NRF/DST RC in  
Work Integrated  
Learning

NRF/DST RC in  
Teacher Education

NRF/DST RC in  
Cardiometabolic  
Health

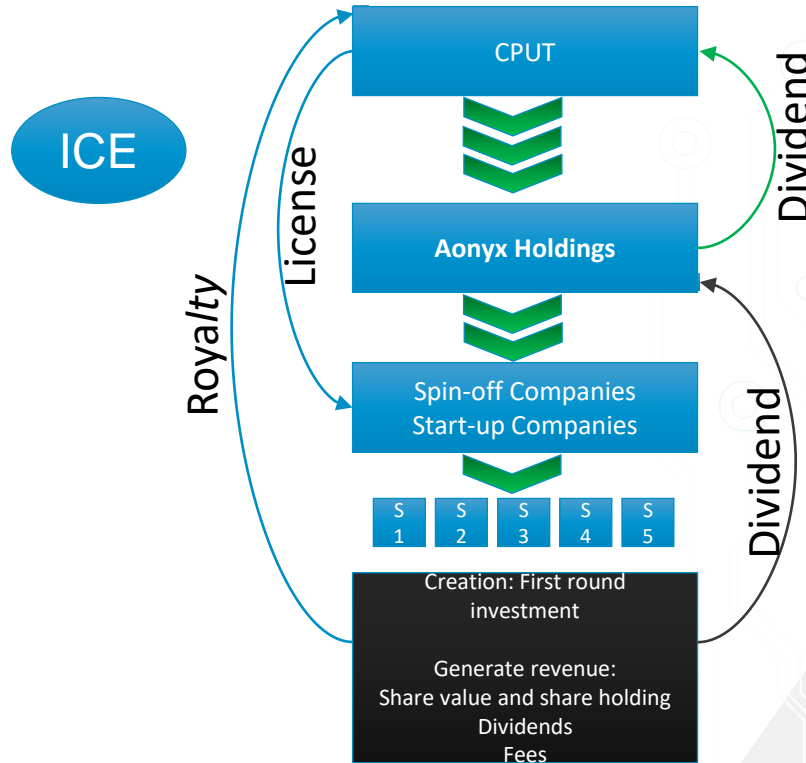
# Research & Innovation Entities



## TIA TECHNOLOGY STATIONS (3)

- Agrifood Technology Station (ATS)
- Technology Station in Clothing and Textiles (TSCT)
- Advanced Manufacturing Technology Laboratory (AMTL)

# INNOVATION FOR SOCIETY



IP owner

100% owned by CPUT  
Governed by a Board with representatives from University and specialist advisers

Initially 100% owned by CPUT  
Governed by a Board with representatives from University and external specialists

# Role of International Partnerships for CPUT

## International Partnerships at CPUT has and continue to:

- ❖ Increased Staff and Student Mobility;
  - ❖ Cross border collaborations and engagement;
  - ❖ Open new Enhance Research, Teaching and Community Engagement opportunities for CPUT Staff and Students.
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- ❖ **Envisaged Outcome(s) and Impact:** Smart international partnerships will lead to an increase in **transnational, symmetric partnerships and collaborations** which are impactful and equitable Sustainable teaching, research and community development in both the global North and South.

# Rationale for CPUT joining Alliance

**The themes of African-Bavarian Alliance for Applied Life Sciences are aligned with the following CPUT Research Focus Areas:**

- ❖ Bio-economy and Biotechnology (including Agriculture and Food Security);
- ❖ Smart Energy;
- ❖ The Environment, Climate Change and Sustainability;
- ❖
- ❖ Human, Health and Social Dynamics.



