

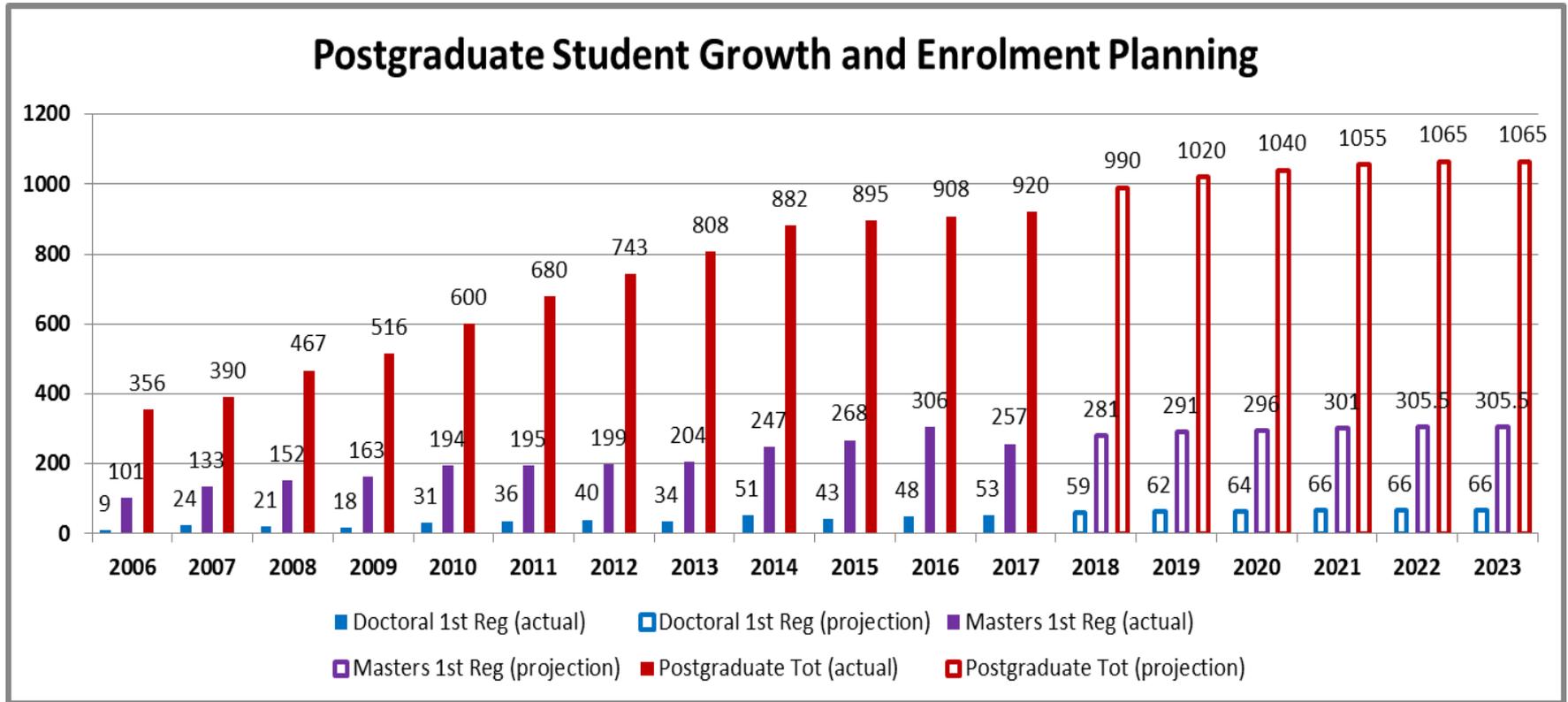
**Faculty of Engineering:
Research Focus**
*Fakulteit Ingenieurswese:
Navorsing Fokus*

Prof Wikus van Niekerk
Dean of Engineering
Dekaan Ingenieurswese





Where are we?

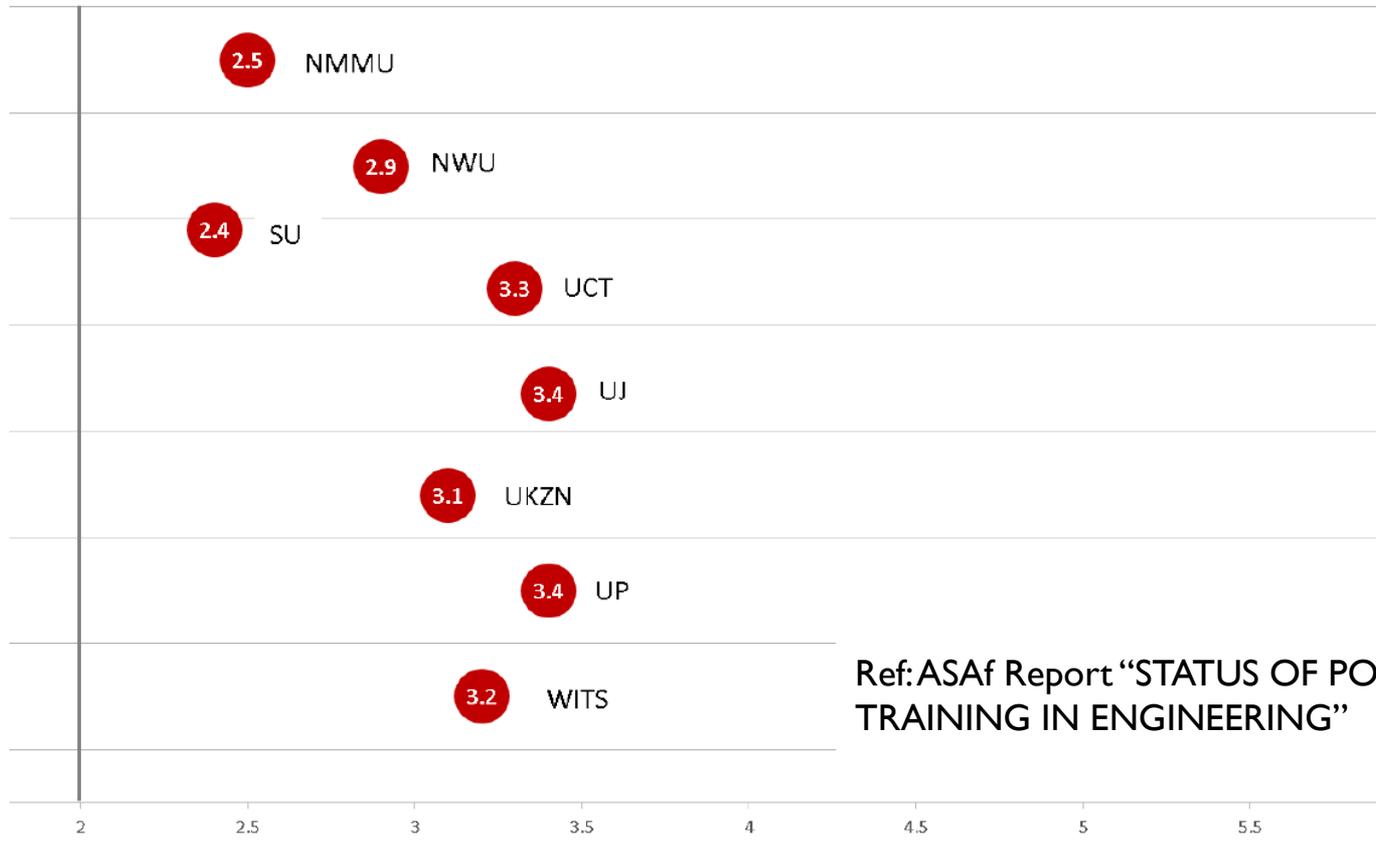




Where are we?



Average **ttt (years)** of Masters students by university compared to **target (2 years)**



Ref: ASAf Report "STATUS OF POSTGRADUATE RESEARCH TRAINING IN ENGINEERING"

Figure 43: Average time to degree of masters graduates at universities with Engineering faculties





Where are we?



Average **time to degree (years)** of doctoral students per institution compared to target (3 years)

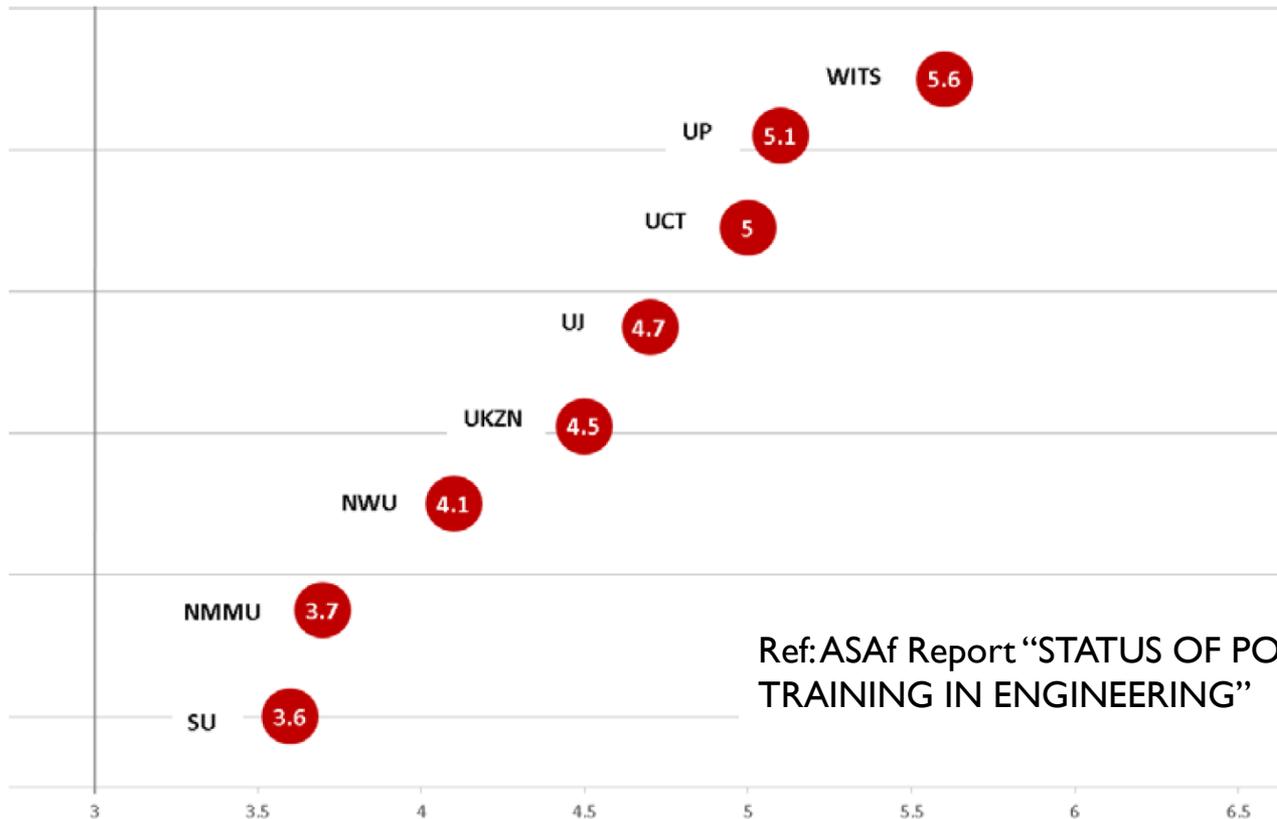
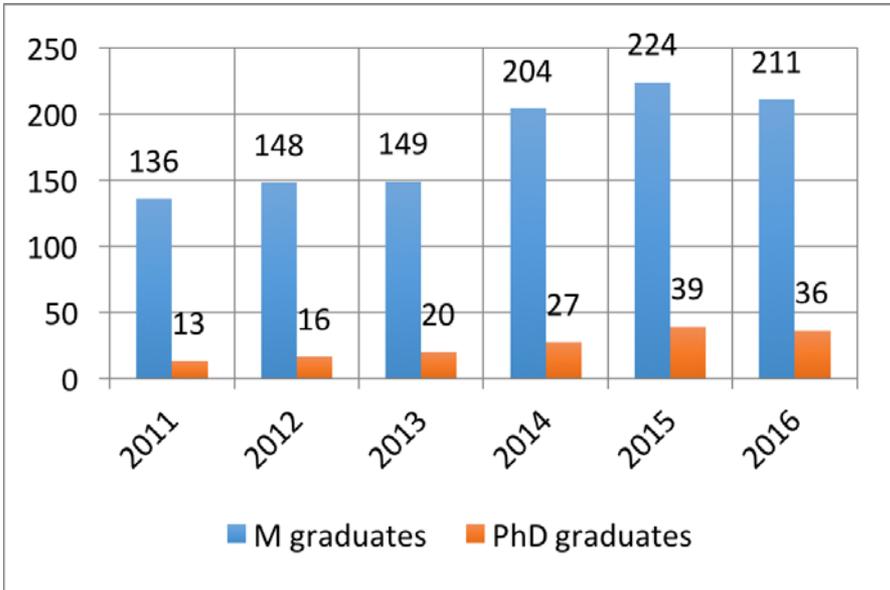


Figure 51: Average TTD of doctoral students per university with Engineering faculties compared to the norm of three years

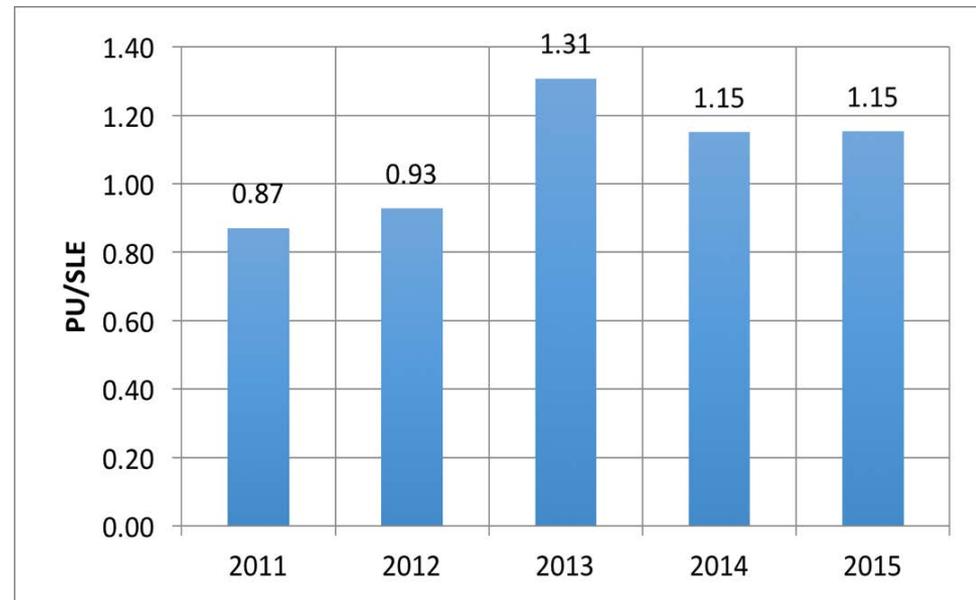




Where are we?



Postgraduate Graduations



Publication Units per SLE

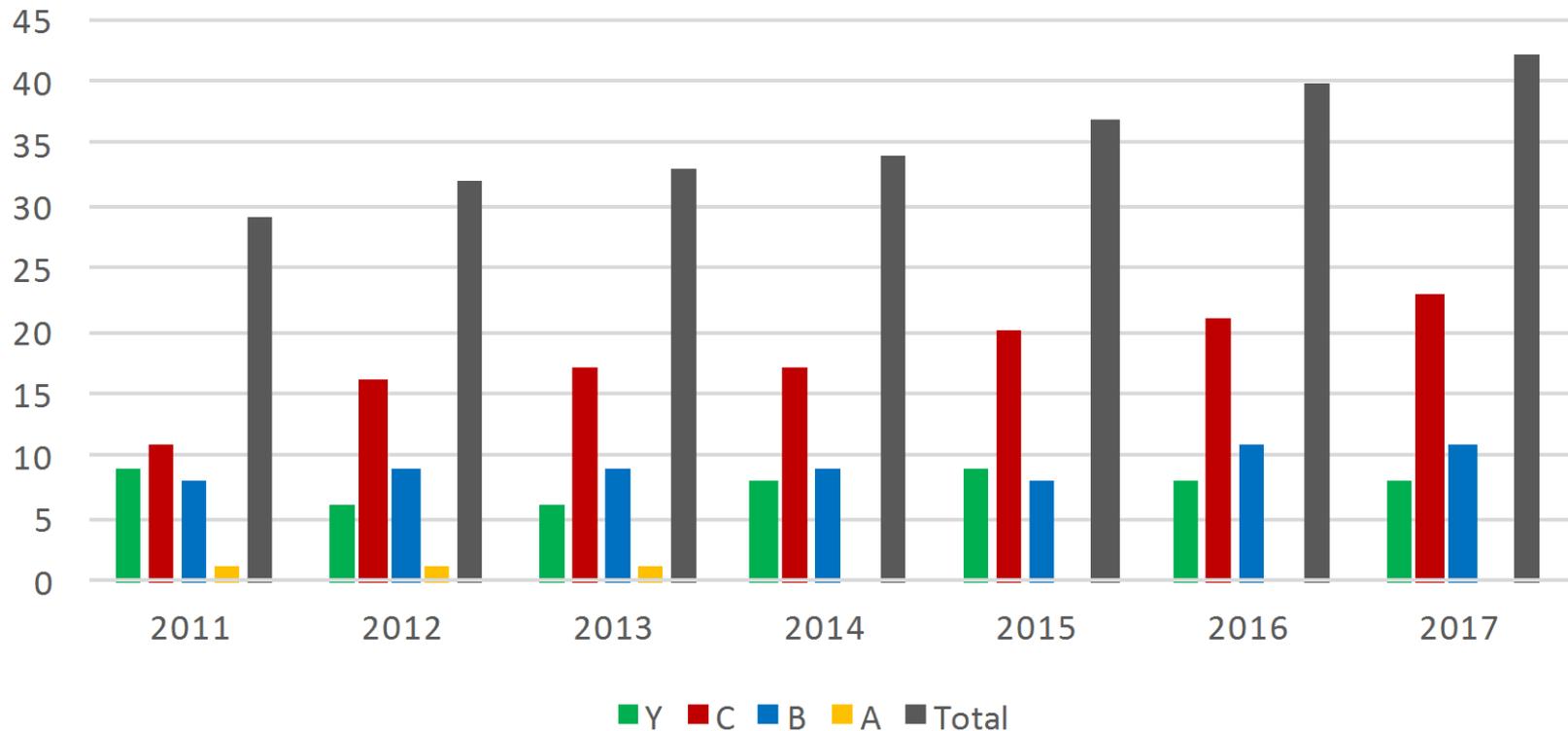




Where are we?

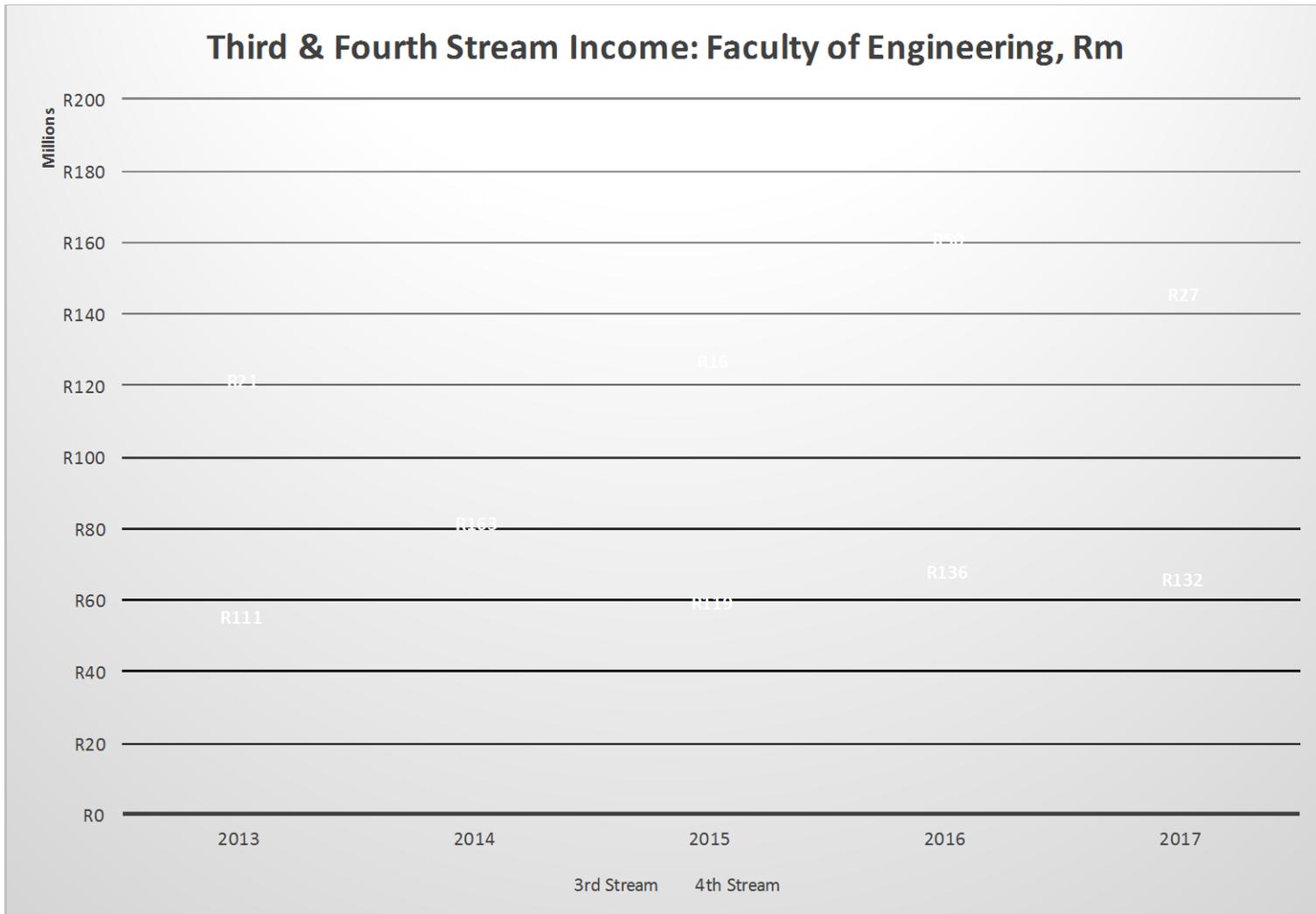


NRF Evaluated Researchers - Faculty of Engineering





Where are we?





How do we do this?



Hard Work!

- Dedicated staff
- Great students
- Very good technical and administrative support
- Excellent facilities
- International networks
- Excellent support from the University





Can we do better?



One can always do better!

- Research Focus Areas: Come together and share resources and opportunity
- Multi-/Trans-(?) disciplinary research teams
- Tell a Story/Paint a Picture: That is bigger than yourself
- Be internationally competitive and known!





Some Personal Reflection



- Nothing beats “smart students” and “motivated staff”
- Leverage off other, existing research groups/colleagues/ departments/faculties etc in the university and other national partners
- Always seems to be bigger than you really are, partnerships!
- It helps to have money to support the research efforts of your colleagues, “spread it around”
- Industry support is key, but it has to be earned
- Don’t try to be “the only game in town”
- Focus on those areas where you have a competitive edge while growing competencies in the others you have identified



Thank You • **Dankie** • **Enkosi**

