Patenting from the Perspective of a Universities in a Developing Country - South Africa -

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Council

WIPO Workshop on PCT Fee Reduction for Universities

organized by the World Intellectual Property Organization (WIPO)
Geneva, June 18 2018

Presentation Outline

- Introduction
- South Africa PCT Applications
- Perceptions of PCT System from South
 African Publicly Financed Institutions
- Concluding Remarks

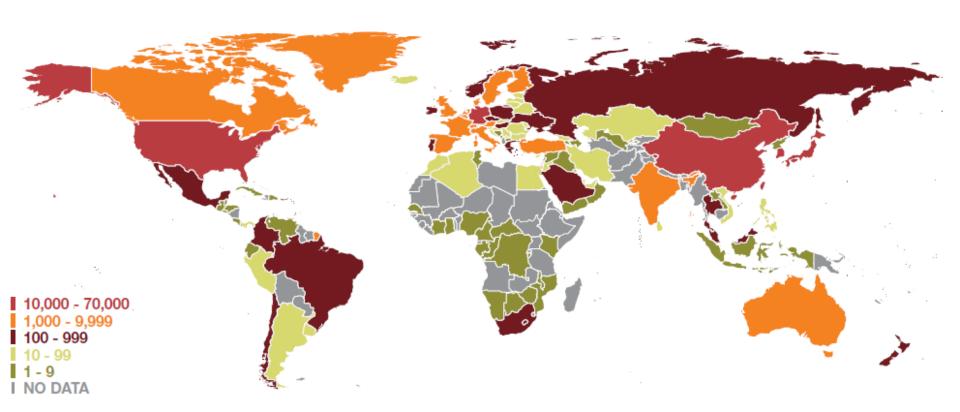
South Africa's Patenting Trends in Context of Rest of Africa and the World

Global IP Filings and Africa's Contribution



Geographical Distribution of Global PCT Applications

PCT applications by origin, 2016



Note: Data refer to the international phase of the Patent Cooperation Treaty System. Counts are based on the residency of the first named applicant and the international application date.

Source: WIPO Statistics Database, September 2017.

Africa's Contribution to Global PCT Applications

Patent applications by region

	Number of applications		Res	sident share (%)	A 4	of world total (%)	Average growth (%)
Region	2006	2016	2006	2016	2006	2016	2006-16
Africa	12,700	17,500	• 11.0	28.0	0.7	0.5	3.3
Asia	889,800	2,019,100	69.9	83.3	49.7	64.6	8.5
Europe	333,100	354,900	63.9	61.3	18.6	11.3	0.6
Latin America & the Caribbean	54,000	61,300	11.9	14.2	3.0	2.0	1.3
North America	468,000	640,300	48.6	46.8	26.1	20.5	3.2
Oceania	33,400	34,800	15.0	10.6	1.9	1.1	0.4
World	1,791,000	3,127,900	60.0	70.9	100.0	100.0	5.7

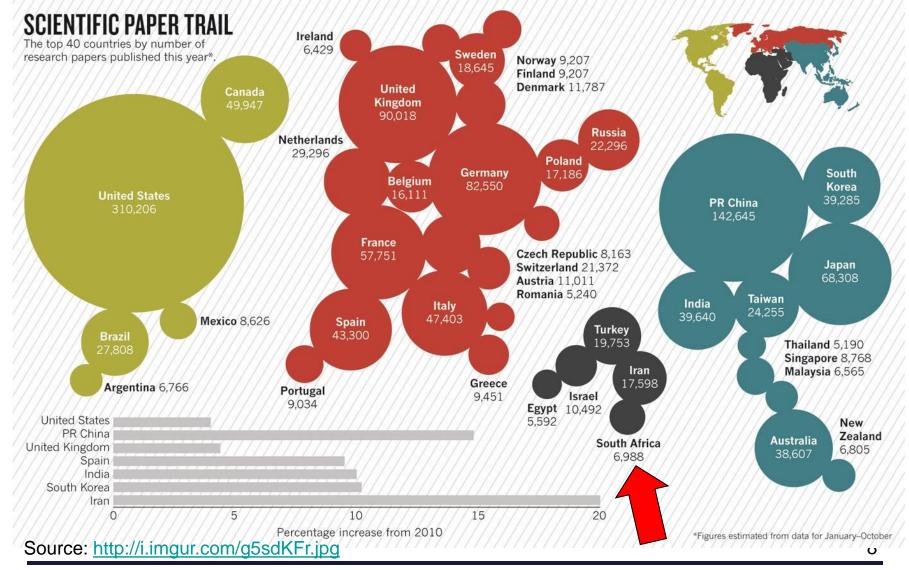
Note: Totals by geographic region are WIPO estimates using data covering 154 offices. Each region includes the following number of offices: Africa (29), Asia (43), Europe (45), Latin America & the Caribbean (30), North America (2) and Oceania (5).

Source: WIPO Statistics Database, September 2017.

South Africa - PCT Applications

Global Scientific Knowledge Production

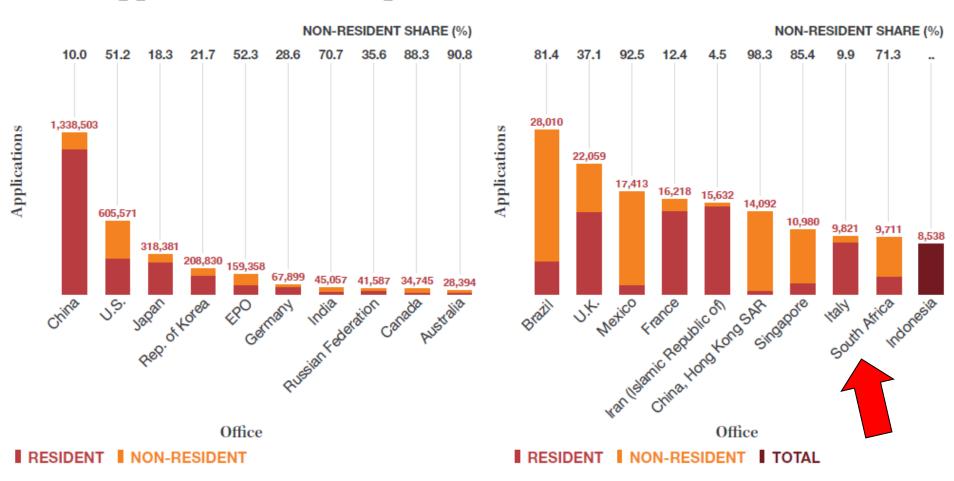
South Africa



PCT Applications for Top 20 Offices

South Africa

Patent applications at the top 20 offices, 2016

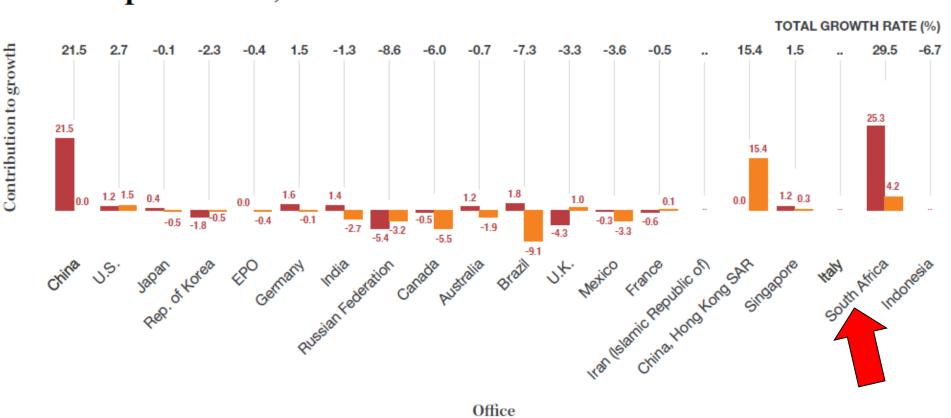


Source: PCT Yearly Reviews 2017 - www.wipo.int/ipstats

PCT Applications for Top 20 Offices

South Africa – Growth in Filings by Residents

Contribution of resident and non-resident applications to total growth for the top 20 offices, 2015-16

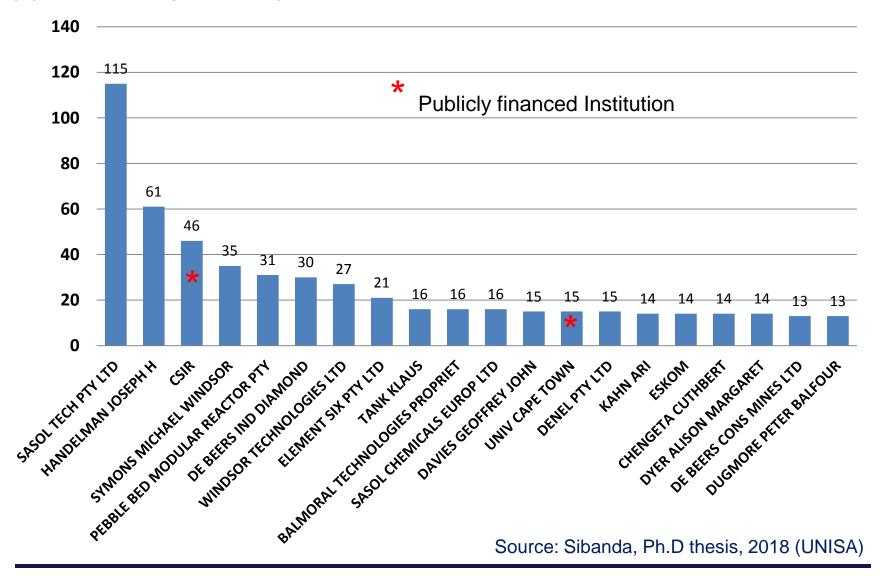


■ CONTRIBUTION OF RESIDENT APPLICATIONS ■ CONTRIBUTION OF NON-RESIDENT APPLICATIONS

Source: PCT Yearly Reviews 2017 - www.wipo.int/ipstats

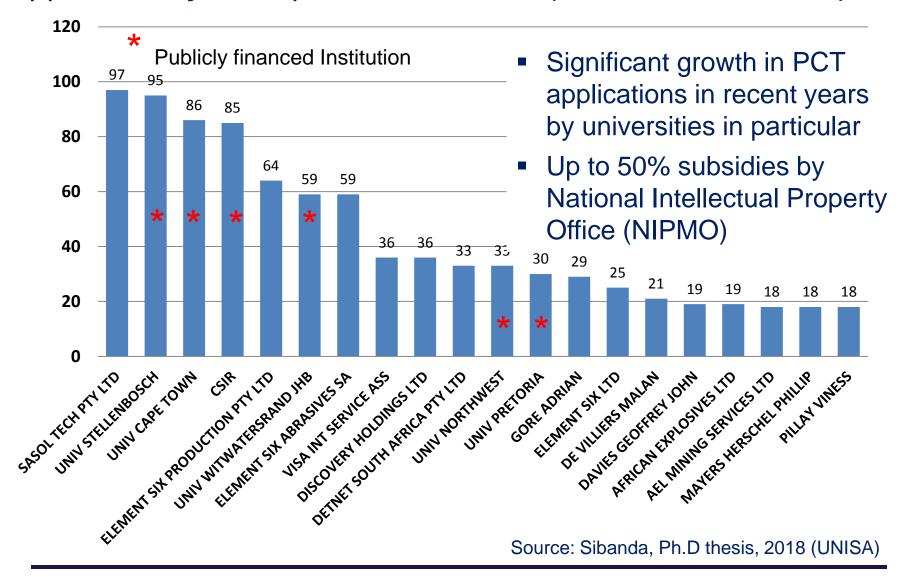
PCT Applications by South Africans

Applications filed in period 1996-2005 (ZA Inventor Address)

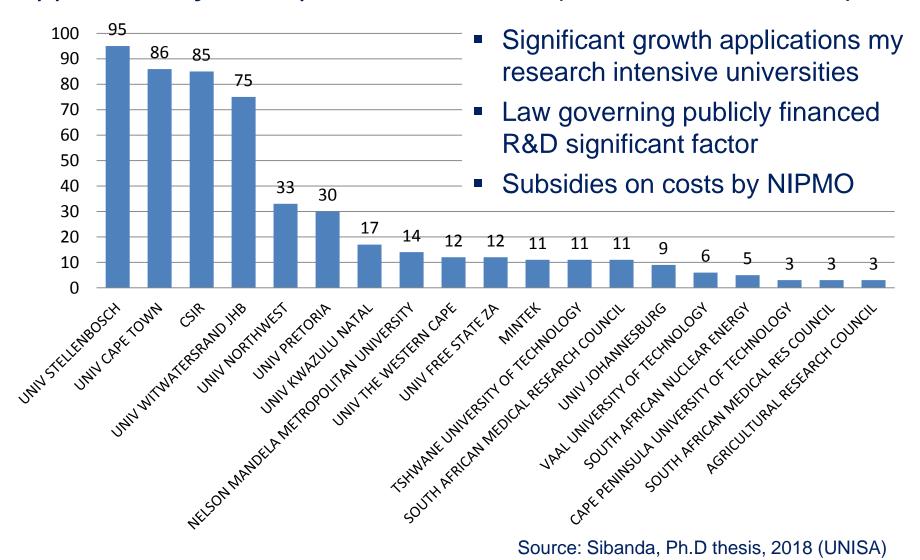


PCT Applications by South Africans

Applications filed in period 2006-2015 (ZA Inventor Address)

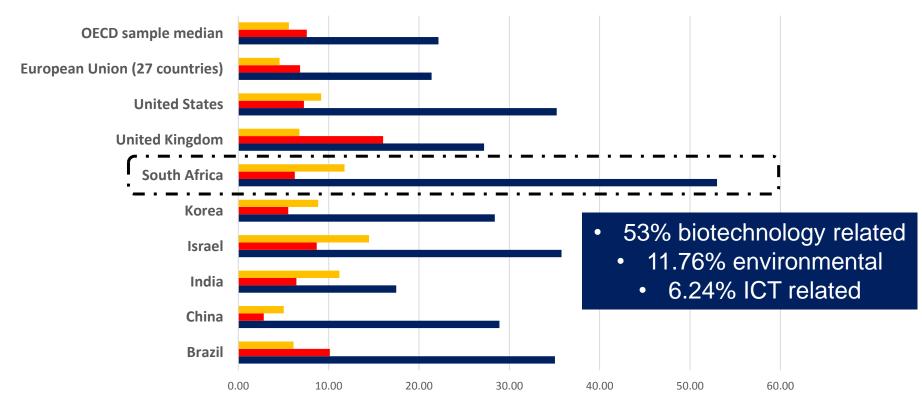


Applications filed in period 2006-2015 (ZA Inventor Address)



Top Technology Fields of PCT Applications





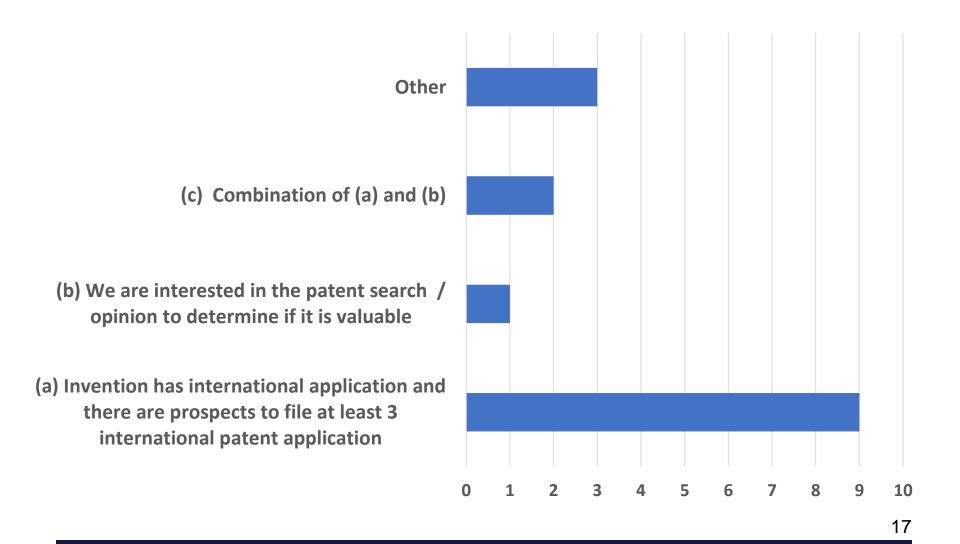
■ Environment-related technologies **■** Information and communication technologies **■** Bio- and nano-technologies

Perceptions of PCT System by South Africa Publicly Financed Institutions

Survey to Publicly Financed Institutions (June 2018)

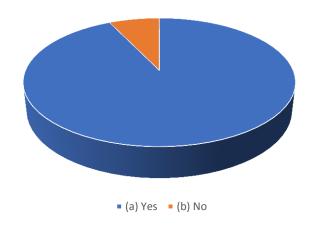
1. Reasons for your institution filing	a) Invention has international application			
PCT Applications	and there are prospects to file at least 3			
	international patent applications			
	a) We are interested in the patent search /			
	opinion to determine if it is valuable			
•	a) Other (Please state)			
2. Is cost relevant in the decision to	Yes			
file a PCT Application	No			
3. The decision regarding the	Cost			
International Search Authority is	a) Quality of the search report			
determined by	Language of the prior art			
	a) Other (Please state)			
4. If you were to influence the costs	a) Filing costs			
of the PCT application, which aspects	a) Search and examination costs			
would you ask for discount	a) Combination of (a) and (b)			
5. Is the PCT system useful for	a) Yes			
universities and Science Councils?	a) No			
6. Any other information				
THANK YOU SO MUCH 16				

Reasons South African Institutions File a PCT Application



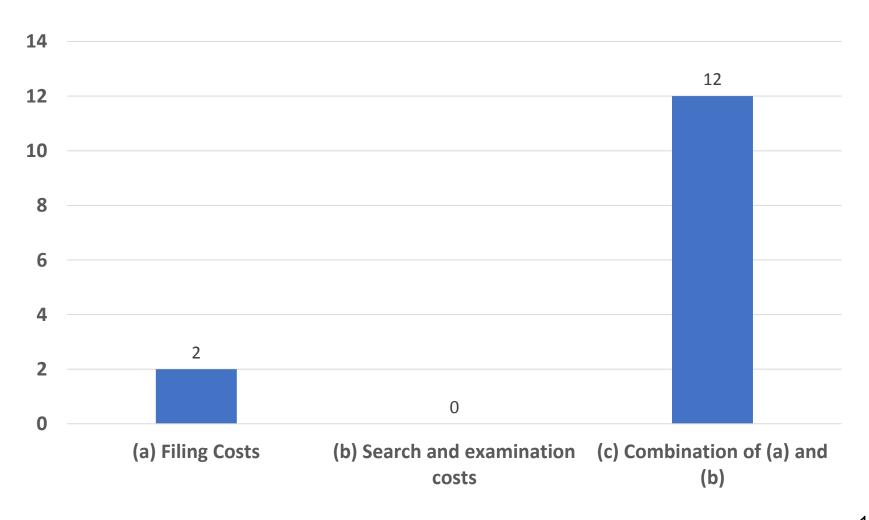
Usefulness of PCT and Selection of ISA



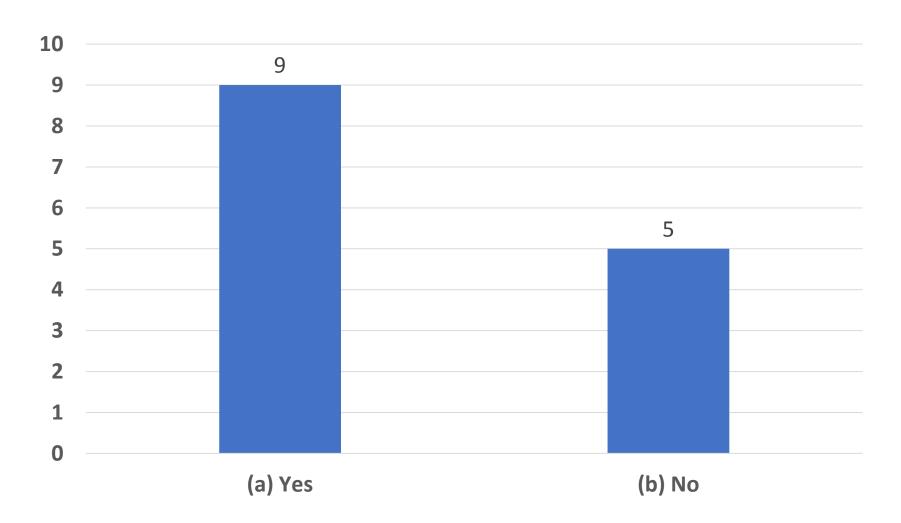




Aspects of Costs Institutions Wish to be Discounted



Role of Costs in Determining Filing of PCT Application



Concluding Remarks

- □ South Africa a significant contributor to global knowledge production
- Potential for increased PCT Applications
- □ Demonstrated perception of value offered by PCT System
- □ Significant increases in PCT applications by publicly financed institutions (esp. universities)
- ☐ Cost a factor Subsidies by South African Government (NIPMO)
- □ Reduction in subsidies will impact filings
- □ Differentiated Fee Reduction potential areas of economic competitiveness / research intensity / sectors to be stimulated

Thank You











