The 5th CSIR CONFERENCE IDEAS THAT WORK 8-9 October 2015 | CSIR ICC

Technology to combat poaching From the lab to the park

Priaash Ramadeen





What do I do?





Scourge of poaching



Kruger National Park



- South Africa is home to an estimated 80% of the world's rhino population
- KNP is 2 million hectares in size
- KNP has the largest concentration of rhinos on the planet
- The KNP also shares a 450km South African border.

Rhinos Poached



Source: https://www.environment.gov.za/projectsprogrammes/rhinodialogues/poaching_statistics

CSIR joins the fight against poaching



CSIR Mandate

"The objects of the CSIR are, through directed and particularly multidisciplinary research and technological innovation, to foster, in the national interest and in fields which in its opinion should receive preference, industrial and scientific development, either by itself or in co-operation with principals from the private or public sectors, and thereby to contribute to the improvement of the quality of life of the people of the Republic, and to perform any other functions that may be assigned to the CSIR by or under this Act." (Scientific Research Council Act 46 of 1988, amended by Act 71 of 1990)

From the lab to the park cmore

- From concept
- To the lab
- To border safeguarding experimentation
- Towards CSIR safety and security
- To the park





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From concept





control was posed to the scientists and engineers at the CSIR Smart Systems research group.



To border safeguarding experimentation





cmore team

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Thank you



