

Jeff Chen

Acting Operations Manager

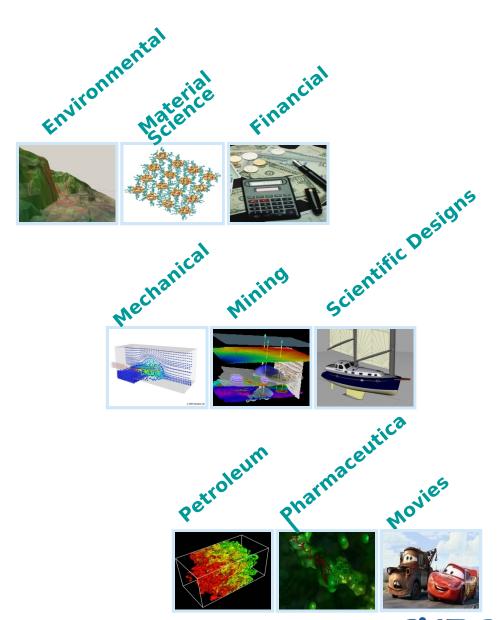


Driving Forces?

Labour-based Economy?

Fast-track knowledge generation processes

Knowledge-based Economy?



Chronicle



2000: Collaborative HPC initiative among computational scientists.

2001: DST recognised potential and importance and invited CSIR as a partner.

2004: DST appoints scientific advisory committee and develop business plan.

2005: The CHPC incorporated into CSIR's Meraka Institute.

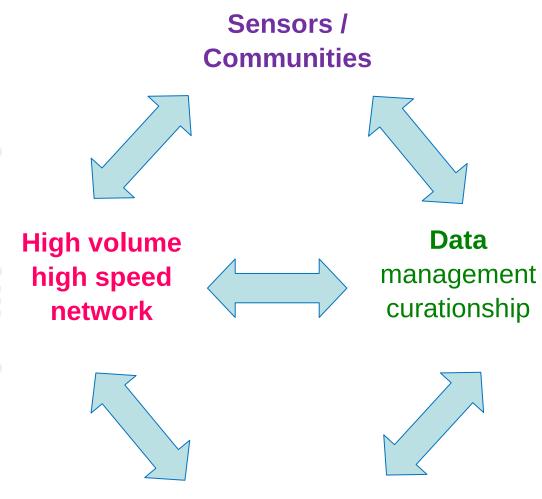
2006: Refurbishment of Rosebank Campus.

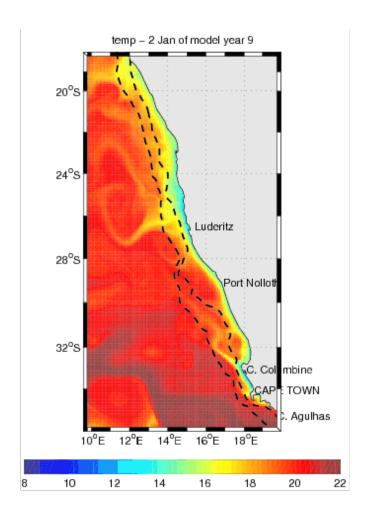
2007: Official launch in June.





Implement Cyber-Infrastructure and Policies









Electricity and Cooling System

















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Applications and Facilities





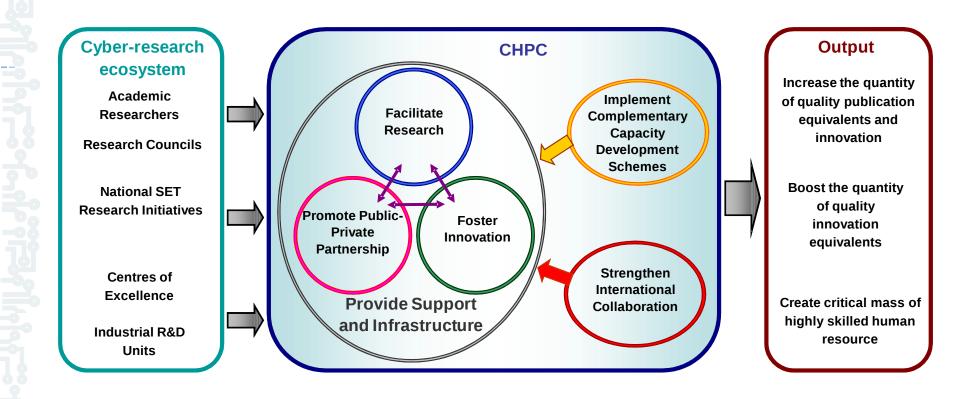






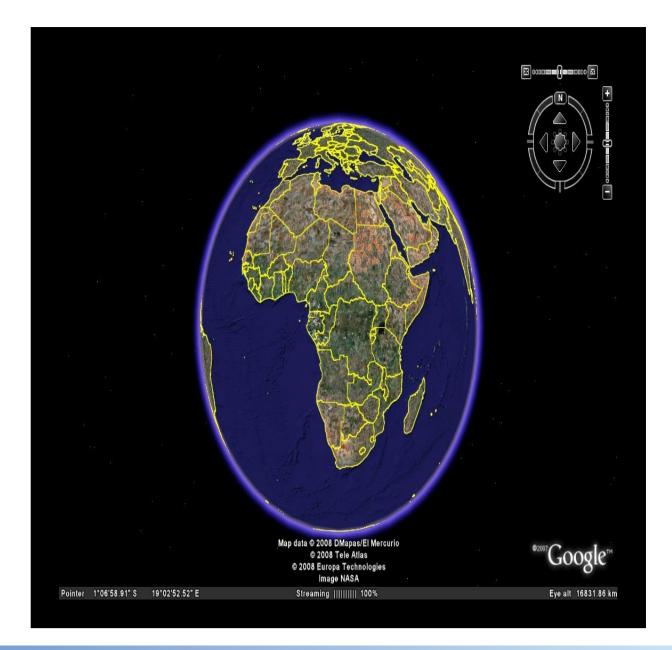


Harness a Productive Cyber-ecosystem





Patron to Partner





Blue Gene for Africa

The Blue Gene/P cluster consists of 1024 compute nodes plus 16 IO nodes, which provide an approximately

11.5 Teraflops/s computational power. Each node is equipped with four IBM PowerPC cores plus three cache, 2GB memory and 13.6 GFlop/s peak performance.





African Partnership

Capacity Building

Joint training partnership

Sharing learning material

Enhance Research Output through Cyberinfrastructure

Free computational resource / software for academic research

Data repositories / mirror sites

The way forward??? Suggestions????





Thank you

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