

Mangena: Centre for High Performance Computing launch (22/05/2007)

In addition, it allows scientists in South Africa and the continent to engage in international initiatives that rely on this new way of doing science through "in-silico" experimentation, simulation and modelling. This opens doors into major programmes, such as the European Union's Seventh Framework Programme (FP7), and forms the basis of agreements such as the recently signed collaboration initiative with the Earth Simulator in Japan. Our investment in the SANReN, as part of the same cyber-infrastructure strategy, will ensure our full integration in these international partnerships.

I understand that an important component of the recent successes of the Shosholoza Yacht Team was due to the application of high performance computing, beginning with the design of the hull through to simulation of various tactical manoeuvres deployed during the race. These efforts were largely done in Europe. Not only does this Centre allow us to engage in these types of activities locally, it will also positively impact on our industry's competitiveness in this and other areas through making high performance computing part of our thinking and strategies. The Shosholoza example is also very relevant when we look at the Centre itself. Just as the yacht could not sail without the concerted efforts of a highly skilled and committed team, similarly, we cannot talk about the effectiveness of a computing research platform without the people who create the new knowledge and the success derived from these initiatives.

It is therefore encouraging that, besides providing a world-class computational platform and supporting cutting edge research, the Centre has a strong focus on building the requisite human capital to support industry and academia with a steady stream of highly qualified and representative young talent. By investing in the science and technology mission areas articulated in the National Research and Development (R&D) Strategy, establishing research chairs and centres of Excellence at universities, and establishing these types of infrastructure, my department is establishing a set human capital development platform that is capable of assisting South Africa to build a prosperous future for all her citizens.

Through investments into the cyber-infrastructure components of the Centre for High Performance Computing and SANReN, we are giving our people an opportunity to dream of what they can achieve through the infinite computing and communications power at their fingertips. And we are already starting today to implement these plans and create the capacity to innovate at an accelerated pace, so that we can favourably compete globally and add value to the lives of our people. Remember there are no prizes for those who choose not to compete.

You will all agree that the establishment of the Centre for High Performance Computing is indeed a bold step in this direction. Through it we are trying to ensure that science and technology is harnessed to meet the major developmental challenges of South Africa and the region. It is now my singular pleasure to officially launch the Centre for High Performance Computing. We look forward with anticipation to getting feedback on many success stories that this Centre certainly has the potential to create.

I thank you.

Issued by: Department of Science and Technology 22 May 2007



Website Credits 0.169s - 42pq + 3rq

