

Introduction

- EVP Saab AB, Started Saab PTY in SA
- Industrial Cooperation Investor
- Science Park development
- ESS Programme Director
- Chairman Onsala (Swedish Radio Astronomi Center)

Pretoria 22 October
Kjell Möller



Cooperation opportunities

- Common principles
 - Long term cooperation
 - Triple Helix model
 - Sustainability
 - Competitiveness
- Areas of opportunities
 - RI as ESS/MAX IV and SKA
 - Joint participation, Data mgmt, Science village dev
 - Energy sector
 - Renewable ,Waste mgmt, Fuel cells
 - Mining, Material Science
 - Value chain development..
 - Aerospace
 - Civil Security

SKA example

The technology challenges of SKA include:

- New innovative antenna types and digital receiver technology
- Processing requirements that exceed, by a factor 100 what can be delivered by the world's most powerful computer today.
- Data rates even in the initial phase that exceed the current global internet traffic by a factor 10 or more
- Data analysis software and algorithms that will leap a generation in their sophistication.
- The SKA promises breakthroughs in information technology that will have impact in medical, environmental, societal, defence, commercial and resource sectors.
- *Infrastructure*
- *Public Impact* - Astronomy has the ability to inspire and engage the public like no other science.



“If we wait for the moment when
everything is ready,
we shall never begin”
Ivan Turgenev