



# NANOTECHNOLOGY DEVELOPMENT IN SOUTH AFRICA

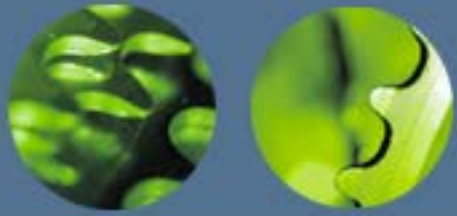
## INTERNATIONAL SYMPOSIUM ON ASSESSING THE ECONOMIC IMPACT OF NANOTECHNOLOGY

27 - 28 MARCH 2012

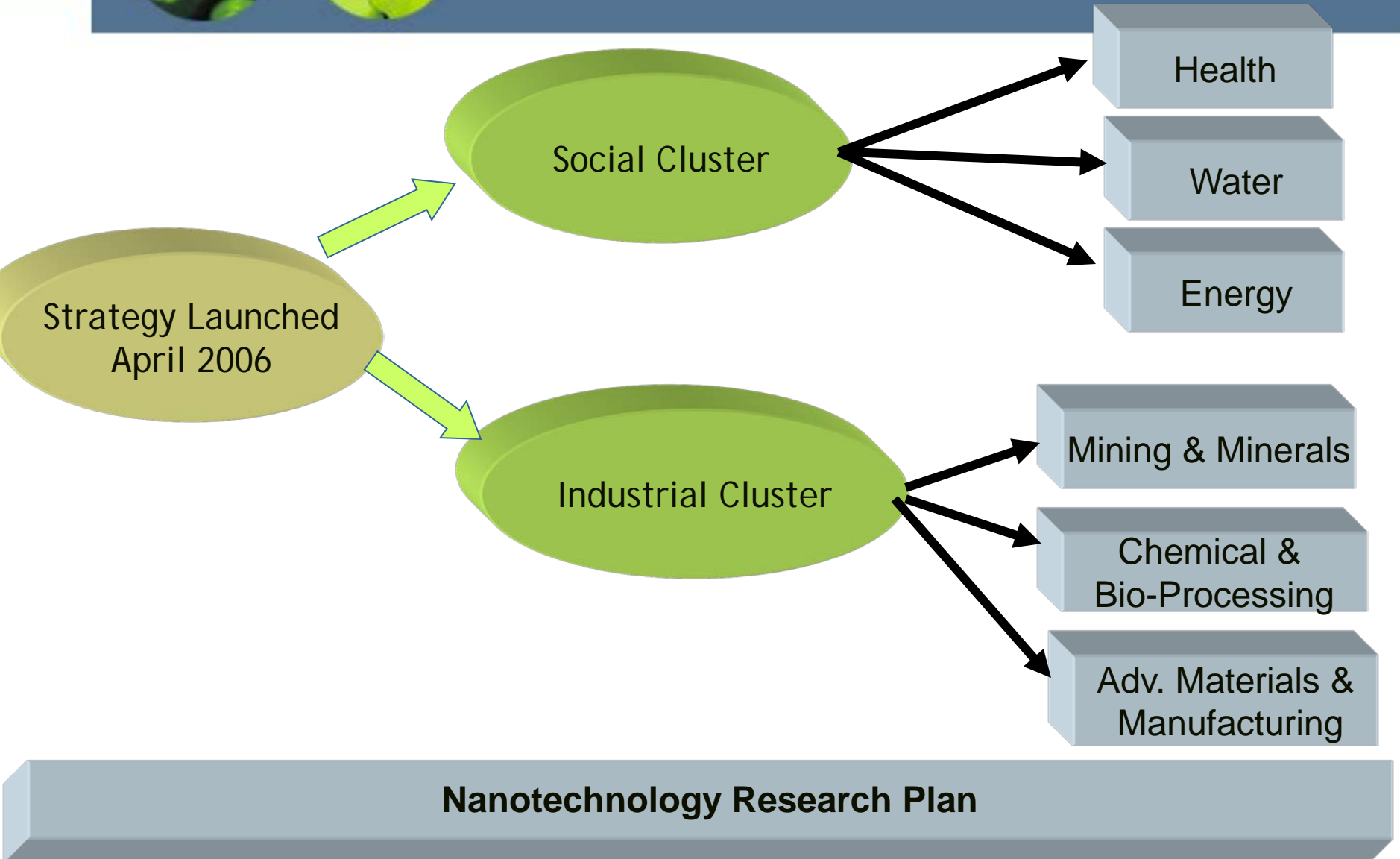


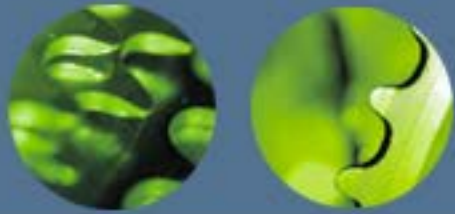
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Science and Technology  
REPUBLIC OF SOUTH AFRICA



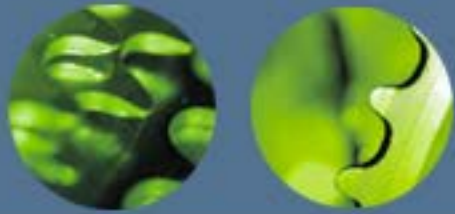
# Strategy Overview





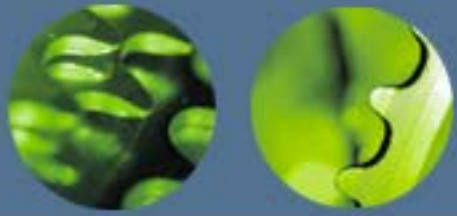
# Implementation Pillars

- **Human Capital Development**
  - ❖ Students & Researchers Support Programmes
  - ❖ Nanosciences Centre [MSc (Nanosciences)]
- **Knowledge Generation**
  - ❖ Research Grants
- **Infrastructure Acquisition**
  - ❖ Equipment Acquisition Programme
- **Responsible Development**
  - ❖ Establishment of Nanotech HSE Research Platform
- **Innovation**
  - ❖ Two Nanotechnology Innovation Centres



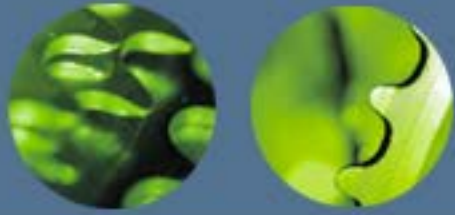
## Funding

- 2005/6 US\$2.7m
- 2006/7 US\$4.0m
- 2007/8 US\$7.0m
- 2008/9 US\$13.0m
- 2009/10 US\$14.5m
- 2010/11 US\$17.3m
- 2011/12 US\$19.0m
- **TOTAL = US\$77.5m**



# Impact Assessment Study - 2010

- **Extent of HCD (MSc, PhD, Postdoc)**
- **Knowledge Generation: Publications**
- **Alignment of Research to Strategic Objectives**
- **Innovation: Patents; Prototype Products; etc**
- **Industry Involvement**
- **Economic Impact???**
  - ❖ **Too early for meaningful impact**
  - ❖ **Lack of appropriate Assessment Model**



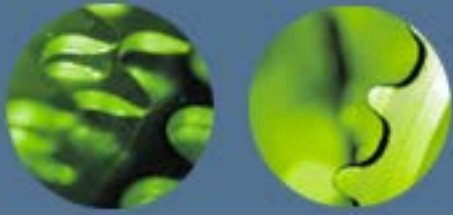
## Importance of Assessing Economic Impact

- **Extent of Realization of Strategic Goals**
- **Appreciation of ROI**
- **Increase Industry Involvement**
- **Solicit More Funding**



# Contacts

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THANK YOU!!!



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