



REVIEW OF SA NSI

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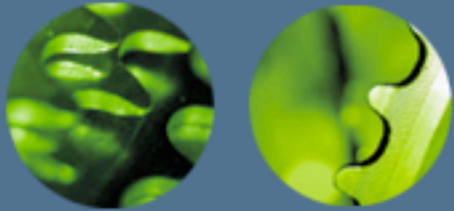
History and new dispensation challenges

- Building a single nation
- Accelerate economic growth
- Reduce unemployment
- Address poverty
- Playing a leading role in building a better Africa

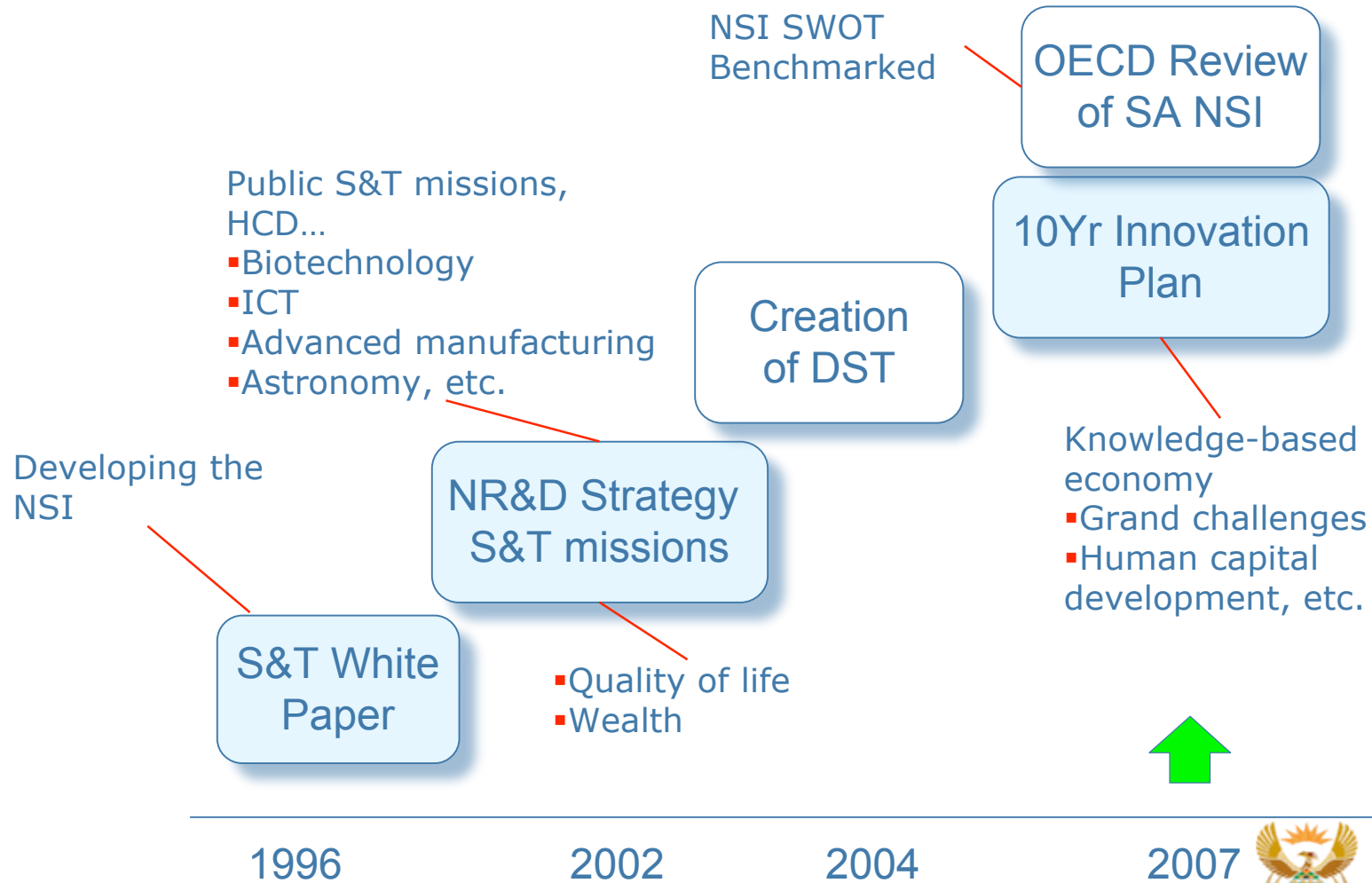


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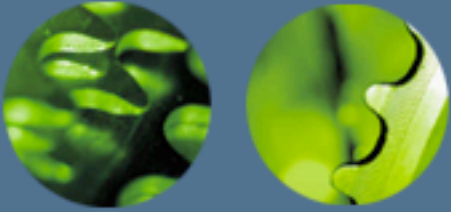


Policy landscape



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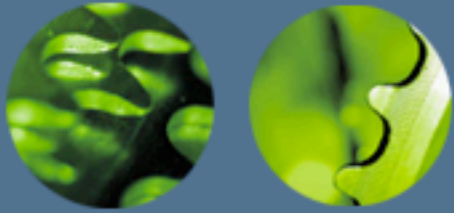
The new face of the NSI

- Restructured
- Rescaled
- Reoriented and
- Reshaped
- Enhanced



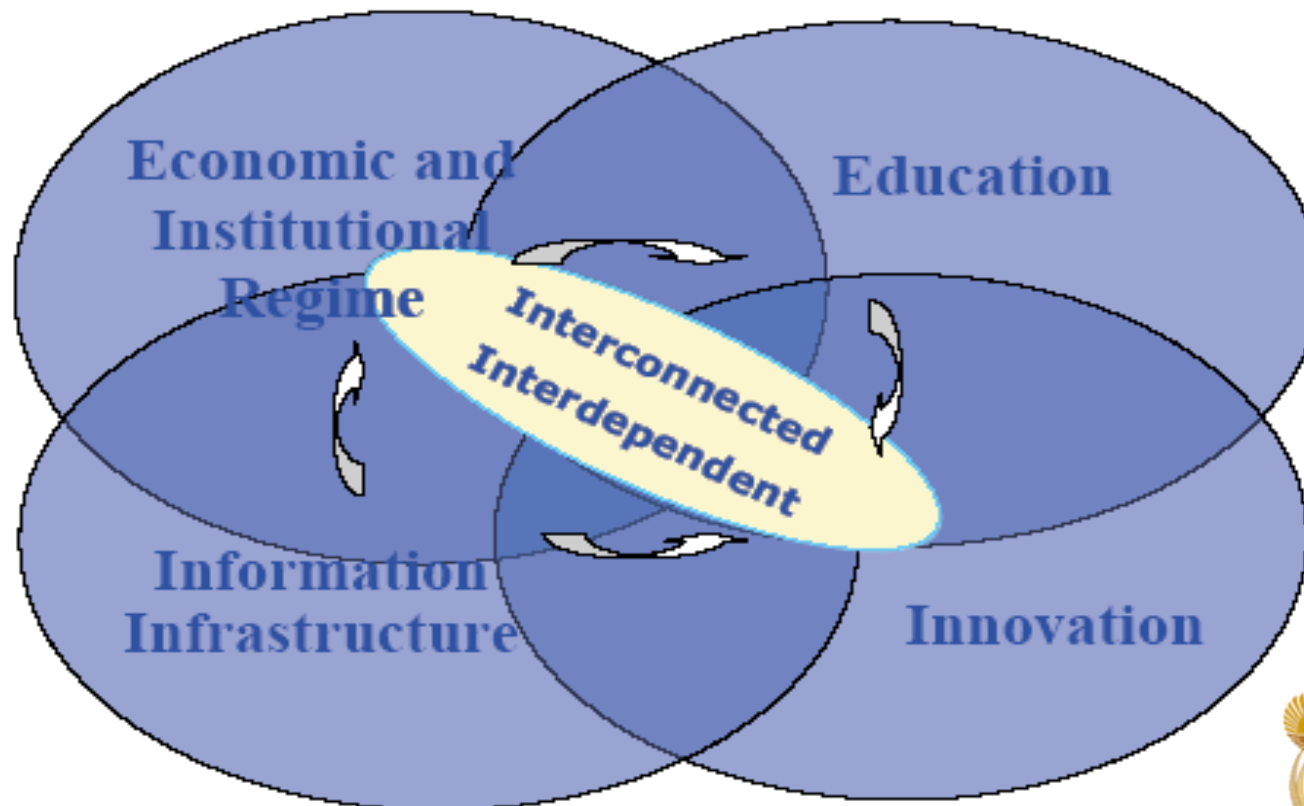
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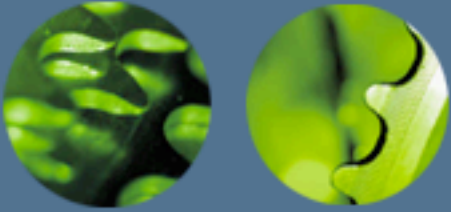
Towards a Knowledge Economy...

The Four Pillars of the Knowledge Economy

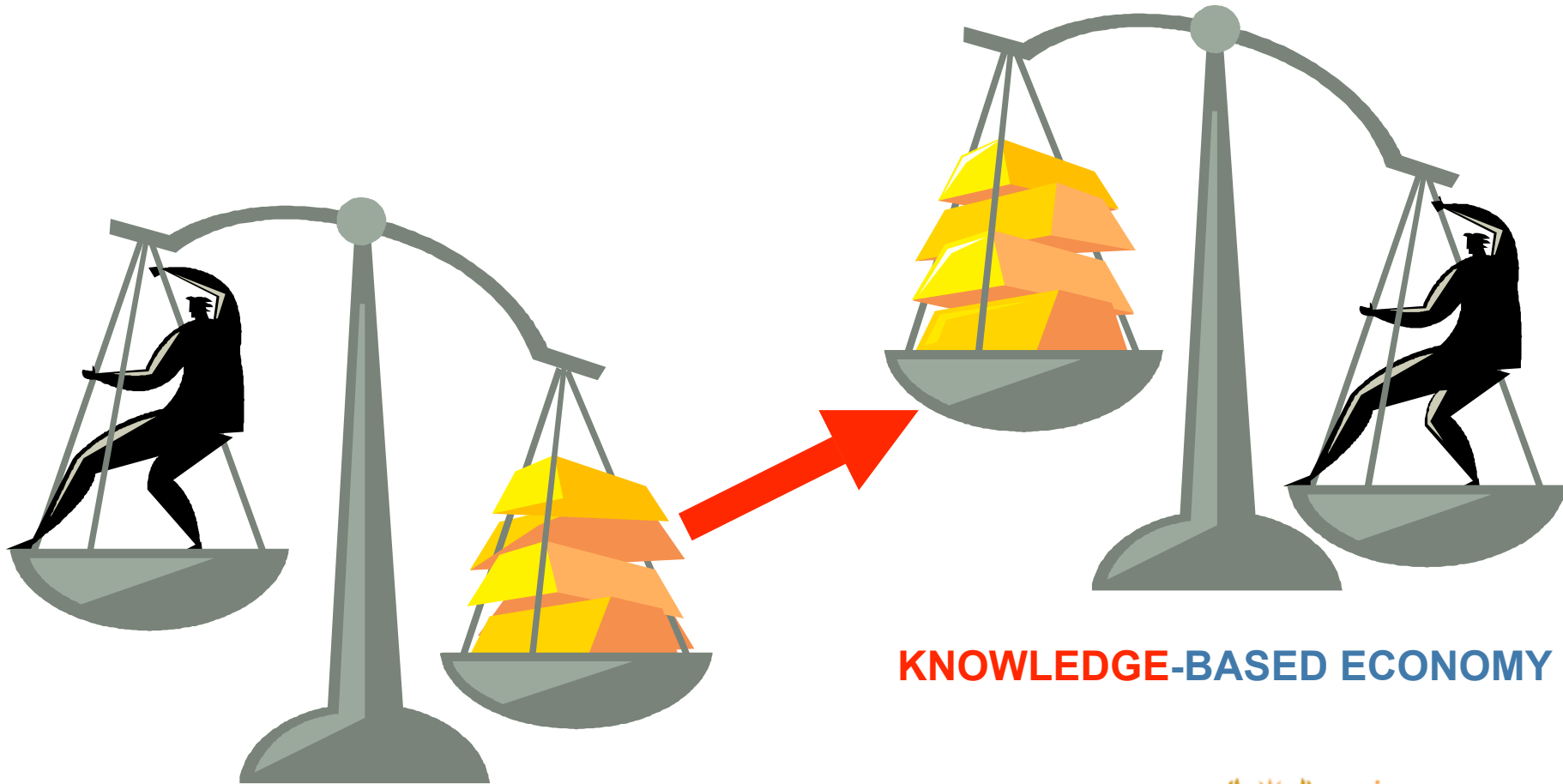


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Towards a Knowledge Economy...



RESOURCE-BASED ECONOMY

KNOWLEDGE-BASED ECONOMY



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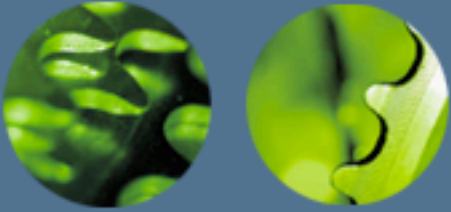
Challenges of the system

- Poor quality education for majority
- Human capital shortages in Maths and Science at all levels
- Dominance by the ageing in industrial and academic R&D
- Low innovation culture
- Insufficient entrepreneurial and technological skills
- HIV/AIDS



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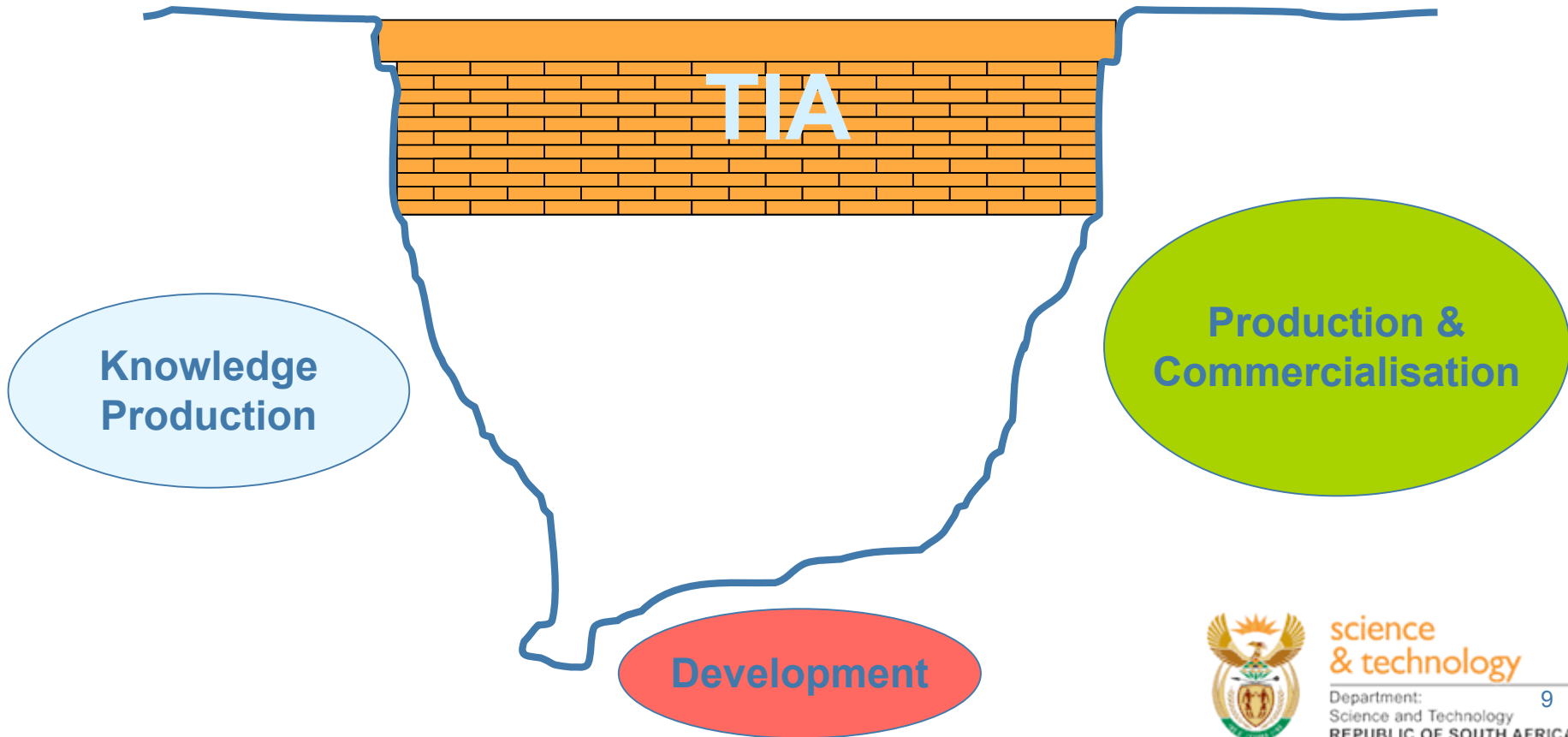
Strength of the NSI

- Tradition of linkages between research institutions and industry
- International industry and academic networks
- Political awareness of the importance of science
- High proportion of business expenditure in R&D



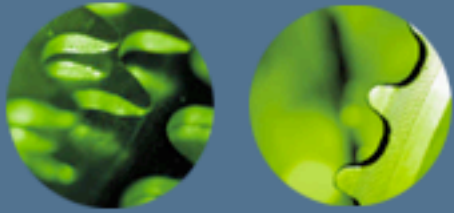
Innovation Instruments

Bridging the “Innovation Chasm”

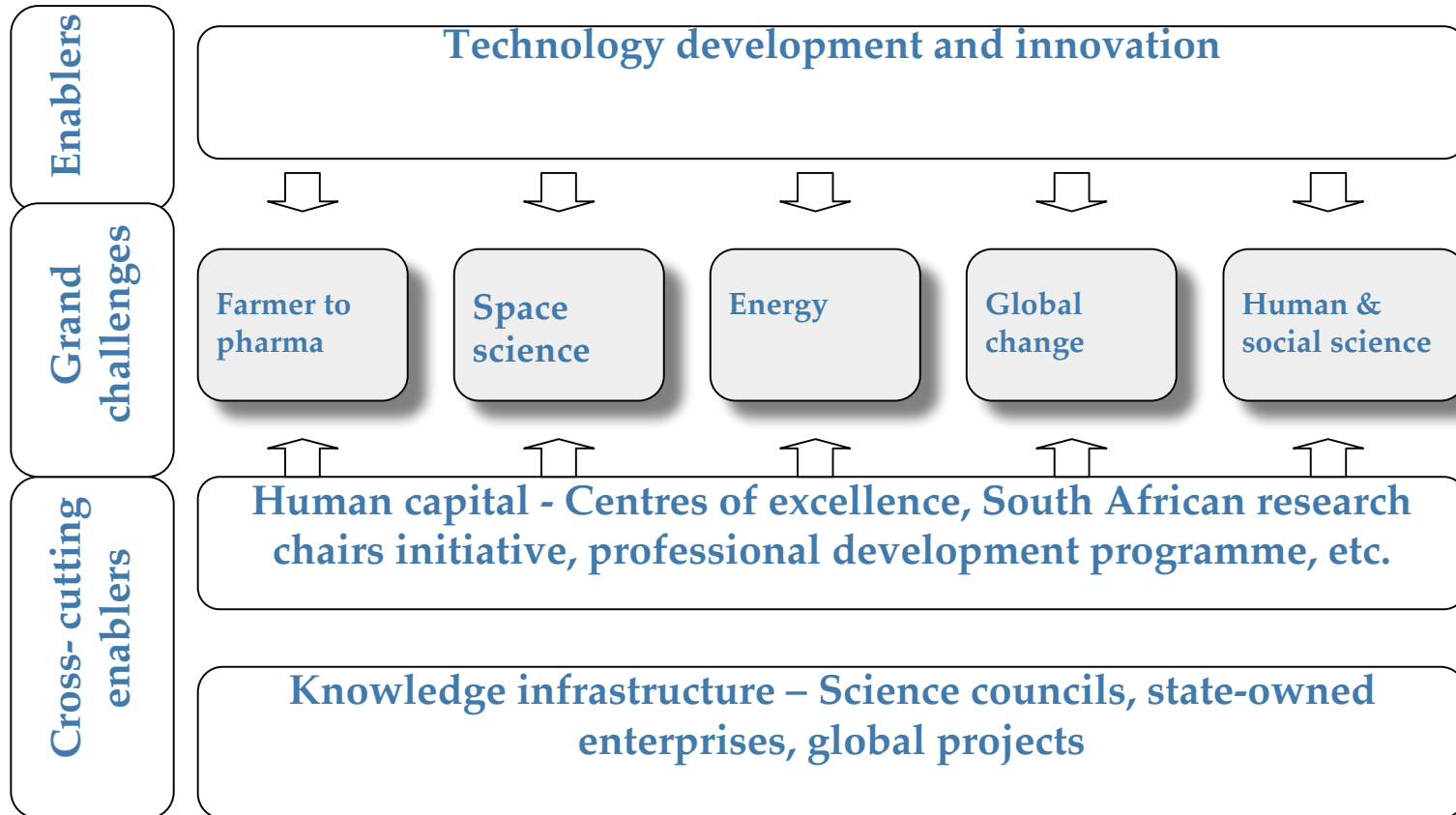


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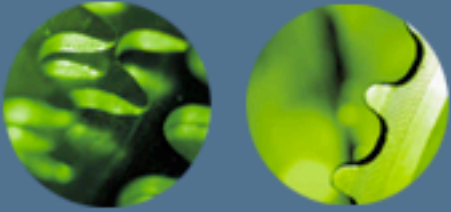


Grand challenges



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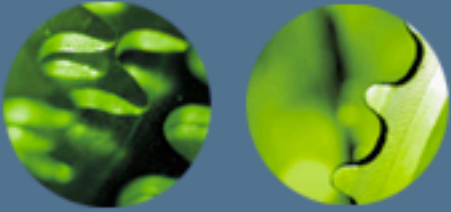
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Conclusion

- Five “grand challenges” as a mechanism to create focus and developing a research agenda with specific national outcomes;
- Ensure innovation as a national competence strengthened by appropriate mechanisms (i.e. TIA; Centres of Competence);
- Enhance country’s ability to generate knowledge;





Conclusion

- Application of knowledge to generate new products and services;
- Contribute to economic growth and job creation;
- Provide required human capital & infrastructure; and
- Proceed towards the knowledge economy





• THANKS



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