



Science Forum
SOUTH AFRICA



SFSA 2023

Purpose of the 2018 Foresight Exercise in SA (SAForSTI)

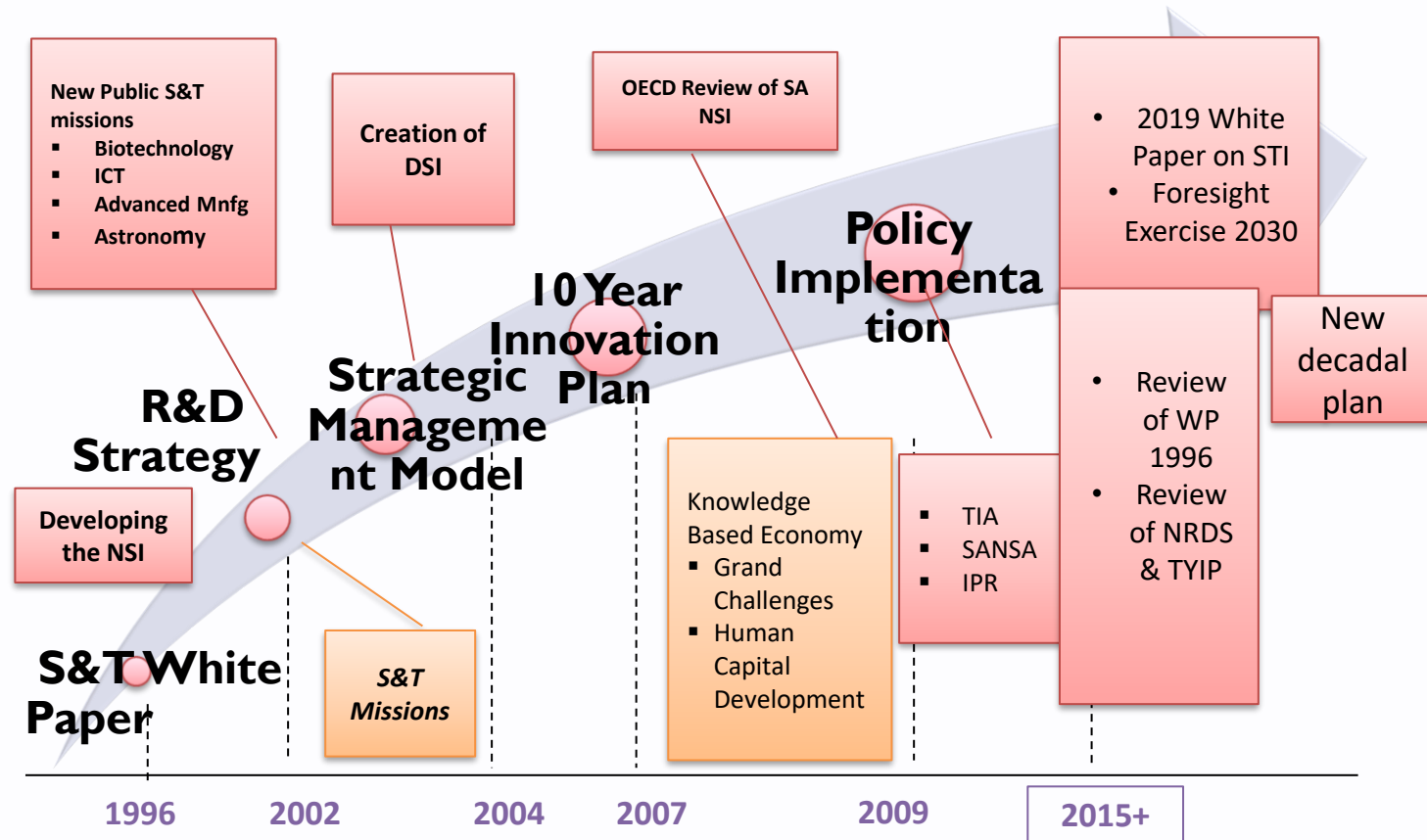
- ☐ Identify key local and global drivers or trends that are likely to have major influence on STI and society over the next decade.
- ☐ Analyse the performance of the National System of Innovation (NSI) in order to identify its persistent weaknesses and strengths, and also to characterise its present policy mix.
- ☐ Identify opportunities and competitive advantages of the NSI.

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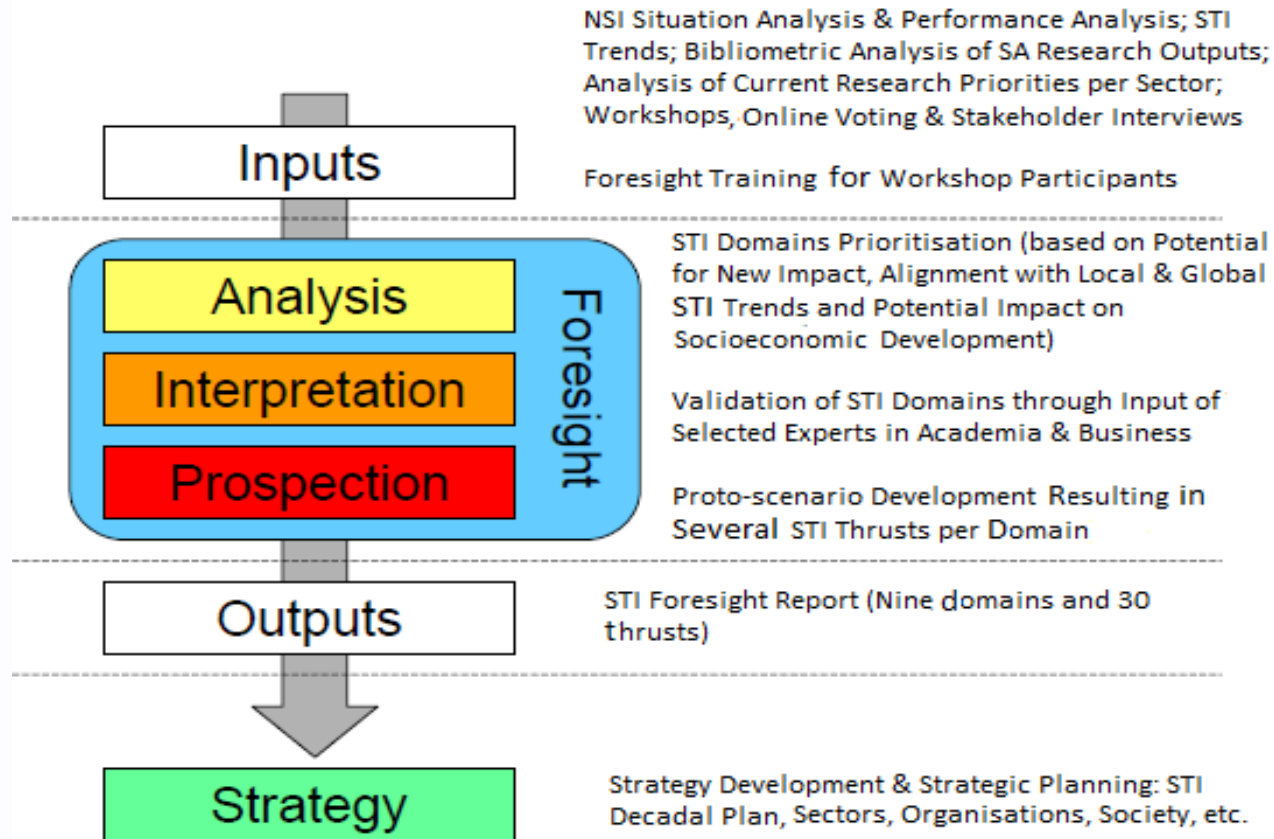
- ❑ Review the National Research and Development Strategy (NRDS) and Ten-Year Innovation Plan and recommend priorities to be retained.

RECOMMENDATIONS FOR THE 2018
FORESIGHT EXERCISE IN SOUTH AFRICA
(SAForSTI)

South Africa STI Policy Evolution



Summary of the STI Foresight Process Used in South Africa



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Situation Analysis (Global and Local STI Trends)

1. Survey of local and global trends by the facilitators
2. Situation analysis: innovation theory, practice and SA context
3. Synthesis report: review of the White Paper on S&T and high level framing for a New STI Decadal Plan
4. Towards the next generation S&T White Paper for SA: innovation for transformative change and inclusive development
5. Towards a next generation STI White Paper for SA: performance analysis



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STI Domains Prioritisation Process

1. Online voting: 80 domains identified (open to all NSI stakeholders)
2. Shortlist of 45 STI candidate domains through 1st workshop (final list of 31 domains after consolidation of the identified domains – second round of voting)
3. Top 13 STI domains resulted from a voting process
4. Narrowed down to 8 through 2nd workshop, but follow-up consultations added the 9th domain (future of society)
5. Final 3rd workshop focused on protoscenarios development



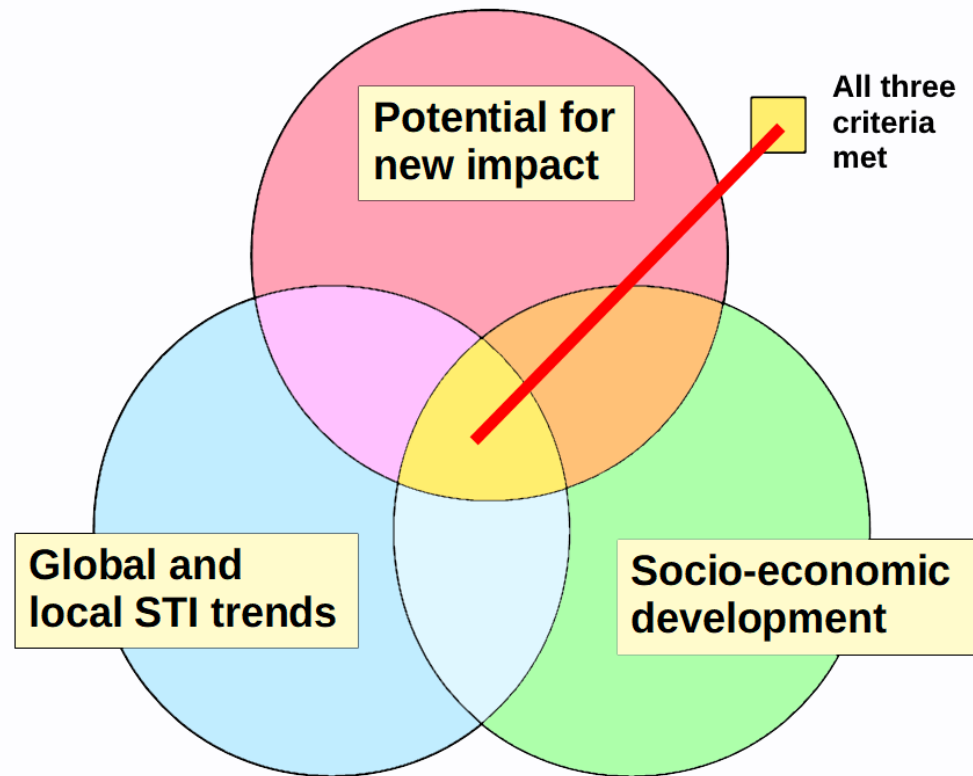
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Selection Criteria for STI Domains

- Overarching framework: vision of the NDP 2030
 - Elimination of poverty
 - Reduction of inequality
 - Increased employment
- New impact from new thinking
- STI stakeholder participation in SAForSTI



Decadal plan: Thematic Focus Areas

Foresight Outcomes

- Circular Economy
- Education for the Future
- Sustainable Energy
- Future of Society
- Health Innovation
- High-tech. Industrialisation
- ICTs and Smart Systems
- Nutrition Security
- Water Security

STI Priorities

- Sectoral support
 - Agriculture
 - Mining
 - Manufacturing
 - High-tech industries (e.g. Bio-innovation)
- Health Innovation
- Sustainable Energy
- ICTs and Smart Systems
- New sources of growth
 - Circular economy
 - Digital Economy

STI Missions

- Climate Change (including the Circular Economy)
- Education for the future
- The future of society