



**Tshwane University
of Technology**

We empower people

Discussion: Innovation, Technology & Economic Change

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National Advisory Council on Innovation Workshop

Measuring Systems of Innovation: Inputs, Flows & Outputs

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Introductory Issues

- Research, Science & Innovation contributes to increased and expanded performance of institutions, firms & agency
 - *“core dimension for political prioritisation in improving society’s efficiency in resource use”*
- KISS: How, Why, Where & When are important metrics
 - Requires a deep understanding of underlying political economy, history & future orientation of state & civil society
 - Dangers of seeking optimality (perfectly matching indicators)
 - Dangers of benchmarks for unique socio-economic & political transformation!

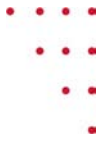




Main Comments

- Guard against 'hyper-hype'!
 - Myth- and anecdote-based policy & strategy
- For Micro-level performance, the Meso-level infrastructural space & Macro-level policy frameworks need to be aligned, coherent & challenging
- Capacity, Capability & Competences are critical
- Dynamic nature of evolutionary change requires firm-level data to establish trends & trajectories
- Dualities, Market Failures & Anti-competitive Aspects require more attention
 - What is GDP if the informal & non-formal are not counted?





Concluding Remarks

- SA is a
 - Developing nation
 - Emerging market
 - Lower middle income country
 - G77+China
- Who are our competitors?
- Who are our collaborators?
- Seek ye the 'good practices': learning premium
- Context + Concept = Challenges ...
 - *Peoples Contract for STI in Growth & Development*





Thank You

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