

The authors

Sara S Grobbelaar Graduate School of Technology Management (GSTM) University of Pretoria email: <u>s.grobbelaar@gmail.com</u>

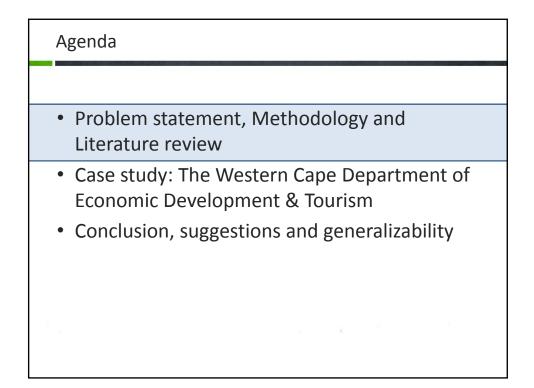
Nigel Gwynne-Evans Chief Director: Trade and Sector Development Western Cape Department of Economic Development and Tourism email: <u>Nigel.Gwynne-Evans@westerncape.gov.za</u>

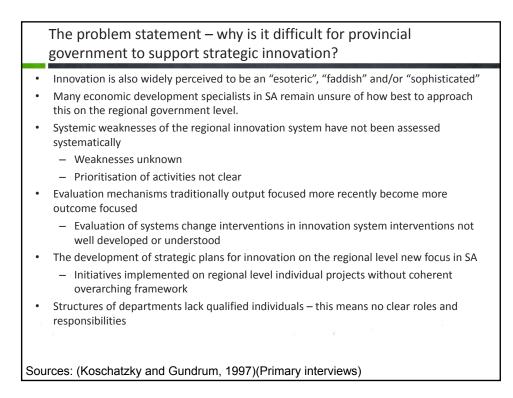
Abstract

The paper builds on a regional economic development framework that was developed as an advisory guide to regional governments internationally; as part of a UN-Habitat funded project. The original framework was based on ten case studies that served as illustrations of the implementation of the introduced economic development mechanisms. This paper provides an in-depth investigation into the practical aspects of the mechanisms through a case study at the provincial government level in South Africa; at the Western Cape Department of Economic Development and Tourism (WCDED&T). We consider the evolution of the system over a 20-year period and develop an argument that the economic development support mechanisms in the Province have now been developed up to a satisfactory point so that greater focus for an innovation function and focus may be put into play. The case places the originally suggested mechanisms for regional development within a wider framework for economic development mechanisms that are available to regional governments; by mapping and synthesising mechanisms through which innovation can be stimulated at the regional level. The paper outlines the key considerations and trade-offs in the design of such mechanisms.

Introduction

- The presentation builds on a regional economic development framework that was developed as an advisory guide to regional governments internationally as part of a UN-Habitat funded project. The original framework was based on ten case studies that served as illustrations of the implementation of the introduced economic development mechanisms.
- This paper provides an in-depth investigation into the practical aspects of these mechanisms through a case study at the provincial government level in South Africa; at the Western Cape Department of Economic Development and Tourism (WCDED&T).
- We consider the evolution of the system over a 20-year period and develop an argument that the economic development support mechanisms in the Province have now been developed up to a satisfactory point so that greater focus for an innovation function and focus may be put into play.
- The case places the originally suggested mechanisms for regional development within a wider framework for economic development mechanisms that are available to regional governments; by mapping and synthesising mechanisms through which innovation can be stimulated at the regional level. The presentation outlines the key considerations and trade-offs in the design of such mechanisms.





Methods – multi-methods

- Literature review
- Previous book project with 10 case studies
- Experience and outputs gained from projects completed for two provincial government economic development projects
- Discussions with three Economic Development specialists - best-practice mechanisms in provincial government departments of economic development
- An interview was conducted with 2 economic development experts in a boundary spanning role in the WC province with membership across various spheres of government.

What is a framework? What is the objective?

What is a framework?

A *framework* is a broad **conceptualisation of an issue under focus**. It can be used to **organise thinking and therefore the investigation**.

A framework may outline a list of **ideas/variables/mechanisms** that one may regard important **to the end of supporting the development of questions** to be addressed.

The objective of this study

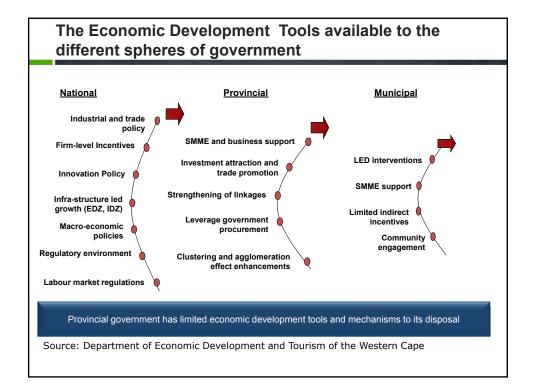
Building on existing mechanisms in WCDEDAT, we develop a framework for the integration of innovation support activities and provide a list of mechanisms and activities to be considered for stimulating innovation activities in the WC.

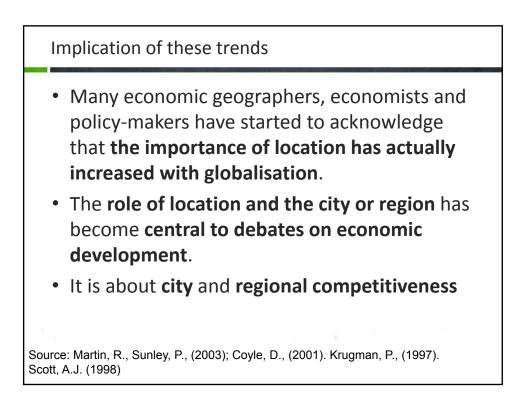
Sources: Ostrom et al's (1994)



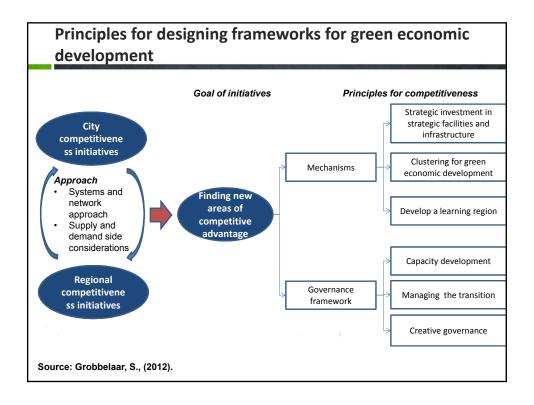
Innovation not yet widely recognised as role of provincial government in South Africa

Provinces mentioning objective			Provinces mentioning objective	
Growth	9	Shared/inclusive growth	4	
Employment	9	Poverty reduction	4	
Sustainable growth	8	Informal/second economy	3	
Diversification	6	Transformation	3	
Global competitiveness	5	Good governance	3	
Knowledge economy	2	Food security	2	
Higher value added	2	Environmental sustainability	2	
Local linkages	2	Decent work	1	
Regional competitiveness	1	Broader econ. participation	1	
Productivity	1	Livelihoods	1	
Innovation	1	Spatial balance	1	
Enterprise	1	Wealth redistribution	1	
Source: Provincial survey		uments.		

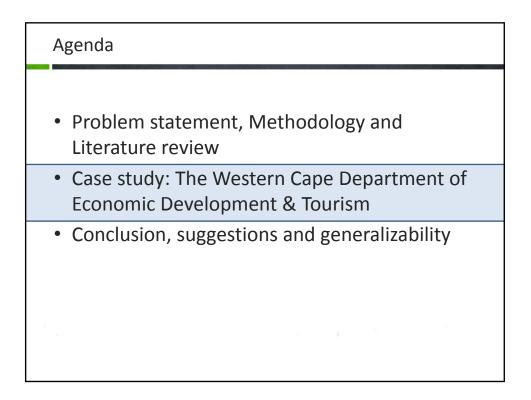


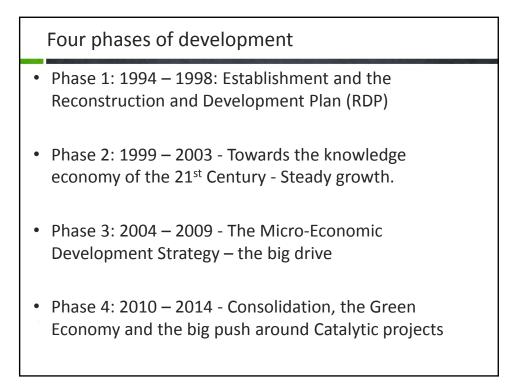


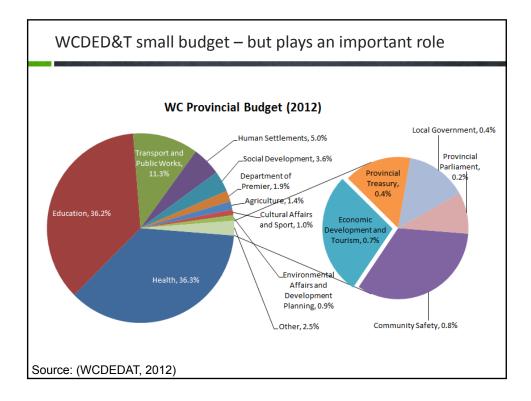
The systems of innovation approach provides a useful analytical framework for strategy development			
A useful analytical framework	 The systems of innovation approach is not a theory, it provides an <i>analytical</i> <i>framework</i> for the development of a regional innovation strategy 		
Substantive theoretical elements	 Therefore to analyse regional innovation systems it is also important to integrate substantive theoretical elements such as: evolutionary economic theory regional science the industrial district concept the theorizing of rationalization strategies and the governance concept 		
Source: Martin, R., Sunley, P., (2003); Coyle, D., (2001). Krugman, P., (1997). Scott, A.J. (1998), (Grobbelaar, 2012)			

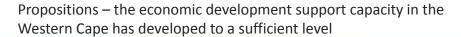








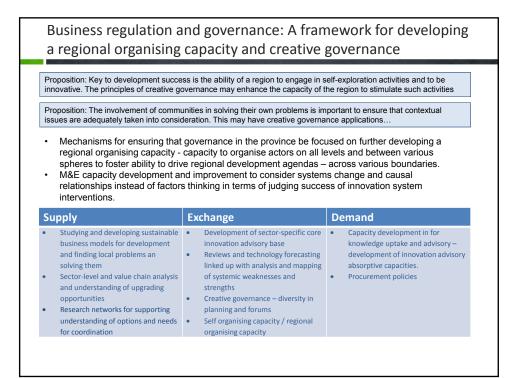




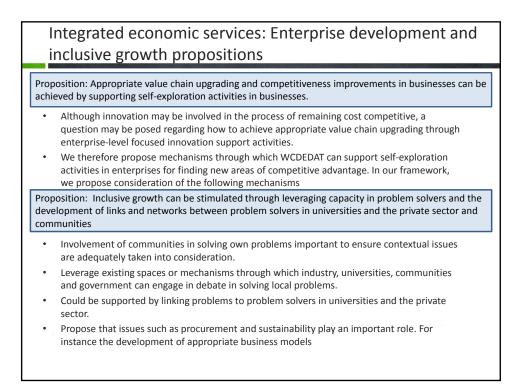
- We argue that the capacity built-up by the province's sectoral teams provide a strong platform to extend services and support for the regional system of innovation, both at a sectoral, but also at a broader economic level.
- As far as understanding the supply-side and demand-side, the institutions and networks that exist around each sector, allow a deep understanding of the demand conditions that are exerted on each sector, as well as the supply-side opportunities or constraints.
- The factors determining the competitiveness of the enabling environment relative to other competitors have been developed, with a clear position on most of the constraints. We propose that these can now be extended and further deepened to be oriented to the innovation space.
- Principle amongst these would be the deepening of relationships between the more dynamic and innovative firms and the research and higher education institutions.
 - This could be extended to other actors in clusters such as the venture capitalists, designers, scientists, continuous improvement consultants and other key players who have an impact on the innovation capacity of each sector.
- Basis of competitiveness: knowledge economy and continuous improvement, need now to ensure that the production system effectively incorporates knowledge based production with innovation integrated in production patterns

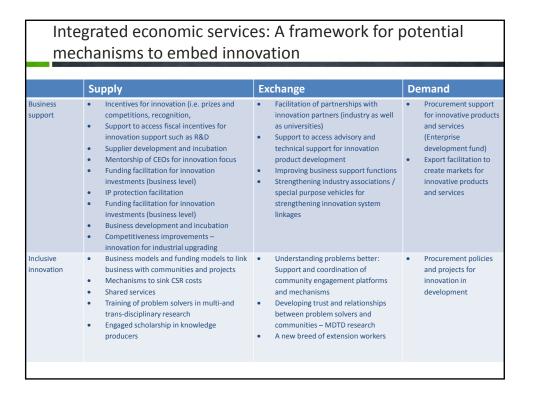
Various areas for integrating innovation support on the regional level		
Business regulation and governance	 Regional organising capacity and creative governance Economic strategy and planning 	
Integrated economic services	 Business – level focused innovation support activities Inclusive / social innovation support 	
Trade and sector development	 Investment attraction and trade promotion Strategic initiatives Sector-level support – clustering and agglomeration effect enhancements 	





Integrated Econo	mic Development Services
Enterprise Development	 Improved co-ordination of and access to enterprise development initiatives and interventions (Access and coordination of business initiatives (Increase in access points to professional business development services) Cooperatives to draw on collective energies of community Business competitiveness and growth (Upgrading of technology for manufacturing businesses, Mentorship programme) Promoting entrepreneurship (awareness creation – entrepreneurship week)
Regional and Local Economic Development	 Supporting strategic LED interventions: Regional Programme of Excellence (Capacity development in LED) LED advisory and support: LED Maturity Assessments and improvements and tailored capacity building projects) Capacity building: awareness, sound LED plans, strategies and actions (Investment promotion training, LED management training, Business climate surveys) Provincial and district-level LED forum, newsletters Funding support: LED growth fund for businesses for demand-led business proposals Improved regional and local coordination (defining roles of LED, approach to LED)
Economic Empowerment	 Supplier development (Access to private and public sector opportunities, corporates to open to emerging suppliers)(Workshops and capacity development) Public sector procurement incentive schemes (advocacy and increased awareness - compliance)
Red Tape Reduction	 Awareness and advocacy: (Municipal Red Tape Reduction Project, Engagements with business associations, chambers of commerce, sector associations and government departments, radio campaign, anchor campaign I research- economic performance index, business helpline service)





Trade and sector development: Current capacity Trade and Investment Promotion • Market access and market development developed to an advanced level with mechanisms for marketing, export promotion and facilitation and branding and advertising well established. . Existing capacity exists in the improvement of consumer knowledge, the hosting of consumer events and order facilitation. Furthermore, in-depth knowledge exists on trade development, investment promotion, developing relationships with exporters, industry events, and international trade-fairs. Sector development Well established capacity to understand industry. Understanding industry unit in department responsible for planning and policy and through industry interactions with SPV model Established projects for development of supporting institutions Established capacity for supporting development of special infrastructure • Debottle necking problems confronting industry . Innovation support established- to be developed and strengthened: Facilitation of networking . Business development function well established . Productivity programmes in place . Marketing and promotion Skills and training Source: (WCDEDAT, 2012), (WCDEDAT, 2010), (SPV annual report, 2012)



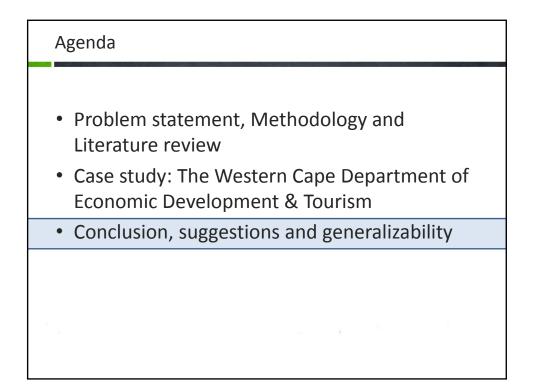
Proposition: Trade and investment promotion should aligned with a focus to attract and set-up businesses that can contribute to strengthening the innovation system

This may include focussing activities around facilitation support (Red tape reduction) and Match-making local & international businesses to also support businesses in understanding and making it easy to move in and set up shop in innovation and knowledge intensive environments. This may have implications for the way marketing the provincial value proposition will take place

Proposition: Appropriate industrial upgrading can be achieved by support for innovation on the sectoral level

- This may include cooperation development which may include technical collaboration in design of products, systems or production methods / layouts, R&D collaborations, Joint production, technology transfer, marketing and co-operative promotion of projects and market sharing, Commercial representation, strategic alliances (specifically considered by automotive industry en the facilitation of regional integration and integration in value chains), Open innovation alliances
- Grow local market for products: Demand-side measures to stimulate change in purchasing behaviour in customers through marketing and promotions - e.g. selling "life style" of owning a yacht by the boat building cluster, or possibly links to social innovation activities.

		d innovation	
	Supply	Exchange	Demand
Trade and Investment Promotion	Cooperation development	 Facilitation support (Red tape reduction) Match-making local & international businesses 	 Trade missions – engagement (focus on sector and geography) Marketing and Branding: Package Provincial Specific Value Proposition
Sector Development	 Funding facilitation for innovation investments (cluster) Productivity improvements through innovation (value chain interventions, benchmarking clubs, inter- intra firm upgrading, quality and productivity systems, site visits and demonstration, technology transfer) Skills and training to support innovation (aligning university curricula with regional innovation needs, retaining and attracting highly skilled individuals to the region) 	 Capacity building and skills development to improve knowledge of actors and widening horizons for innovation opportunities Facilitate inter-linkages between businesses: Networking and hosting events and conferences for linking ideas / sources of innovation, partnership development De-bottle necking (improving business environment, transport, logistics, bandwidth, access to finance, skills and markets, unblocking trade barriers to export markets) Develop support institutions for innovation (e.g. shared services support, knowledge production, open innovation platforms) 	







Generalizability of findings and future work

Generalizability and usefulness of results

- The framework developed may be useful to other regions to consider areas for innovation support
- The propositions may be useful for other regions in South Africa

Future work

- Future work may be focused on unpacking each category of support in detail – expanding the analysis for innovation mechanisms
- SMME support mechanisms and LED support mechanisms may be integrated in future in the framework



References
 Healy, P., (2004). <i>Creativity and urban governance</i>, Policy Studies, 25(2): 87-104 Koschatzky, K., Gundrum, M.(1997). "Innovation Networks for Small Enterprises", in K. Koschatzky (Ed.), Technology-Based Firms in the Innovation Process. Management, Financing and Regional Networks, Heidelberg, (1997). Krugman, P., (1997). Pop Internationalism. Cambridge, MA: MIT Press. Martin, R., Sunley, P., (2003). Deconstructing clusters: chaotic concept or policy panacea?, Journal of Economic Geography, 3(2003): 5-35. Scott, A.J. (1998) Regions and the world economy, the coming shape of global production, competition and political order. Oxford: Oxford University Press. Turok, I., (2010). Towards a developmental state? Provincial economic policy in South Africa. Development Southern Africa, 27(4): 497-515, DOI 10.1080/0376835X.2010.508582.

