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Mike Danson & Emanuela Todeva

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# Regional Dimensions of Triple Helix (and Implementation of Smart Specialization Strategies)



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**SPECIAL ISSUE: Regional dimensions of the Triple Helix model**

Guest Editors: Emanuela Todeva and Mike Danson



# Regional Dimensions of the Triple Helix Model: Government and Governance of Regional Triple Helix Interactions

Emanuela Todeva & Mike Danson



# Background

Todeva, E. and Danson, M. (2016) 'Regional Dimensions of the Triple Helix Model', *Industry and Higher Education*, 30 (1): 5-12,

Danson, M. and Todeva, E. (2016) 'Government and Governance of Regional Triple Helix Interactions', *Industry and Higher Education*, 30 (1): 13-26.



Regional Economic Behaviour

Regionalism

Subsidiarity

Scotland

## Governance

Todeva, E. (2005) 'Governance, Control & Coordination in Network Context: The Cases of Japanese Keiretsu and Sogo Shosha', *Journal of International Management*, 11(1): 87-109.

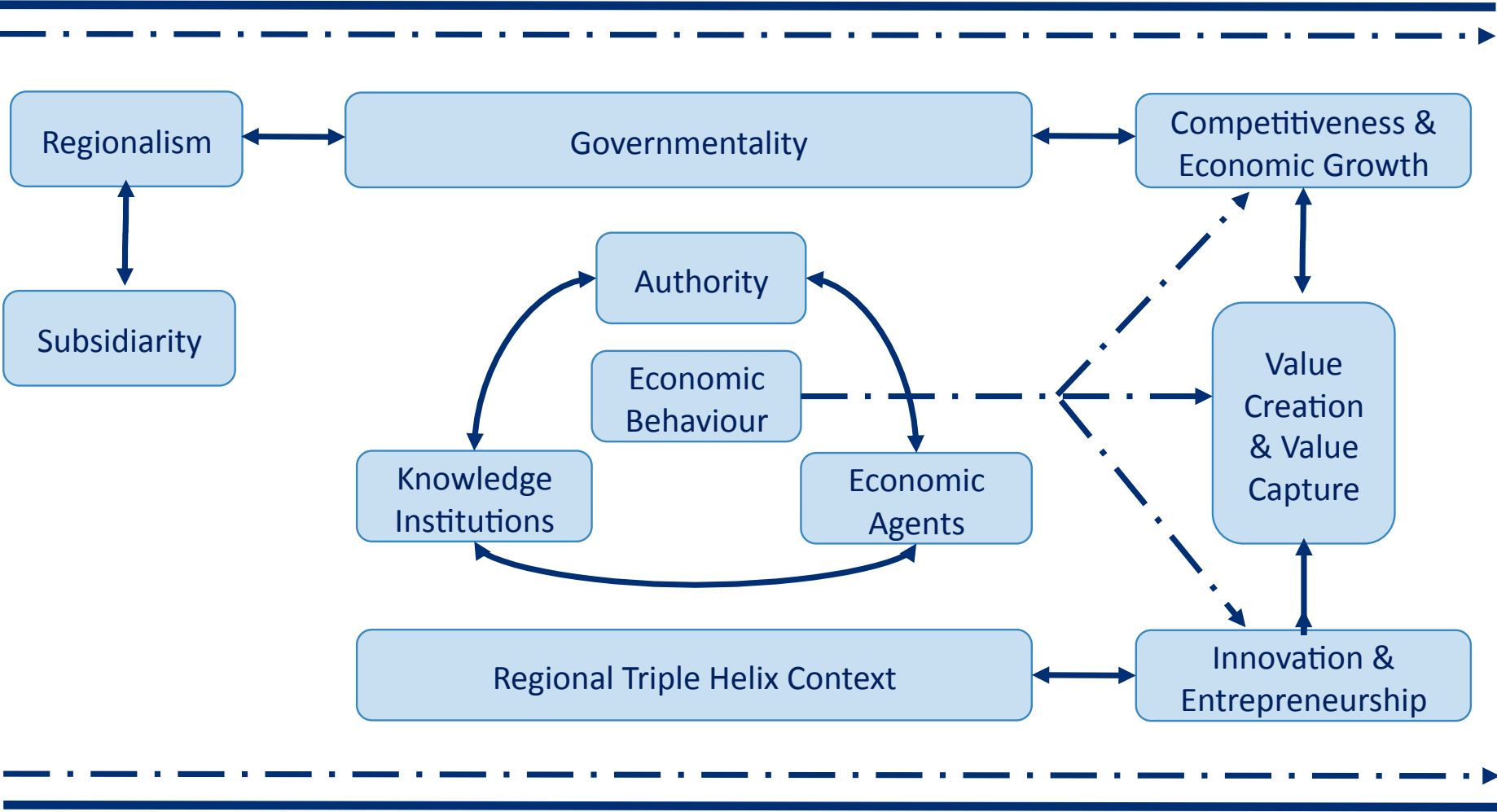
Todeva, E. (2010) 'Theoretical Tensions Between Regulation, Governance, and Strategic Behaviour in a Federated World Order', *International Journal of Social Economics*, 37 (10): 784- 801.

Todeva, E. (2013) 'Governance of Innovation and Intermediation in The Triple Helix Interactions', *Industry and Higher Education*, 27(4): 263-278.

## Strategic Behaviour

Todeva, E. (2006) *Business Networks: Strategy and Structure*, New York: Taylor & Francis.

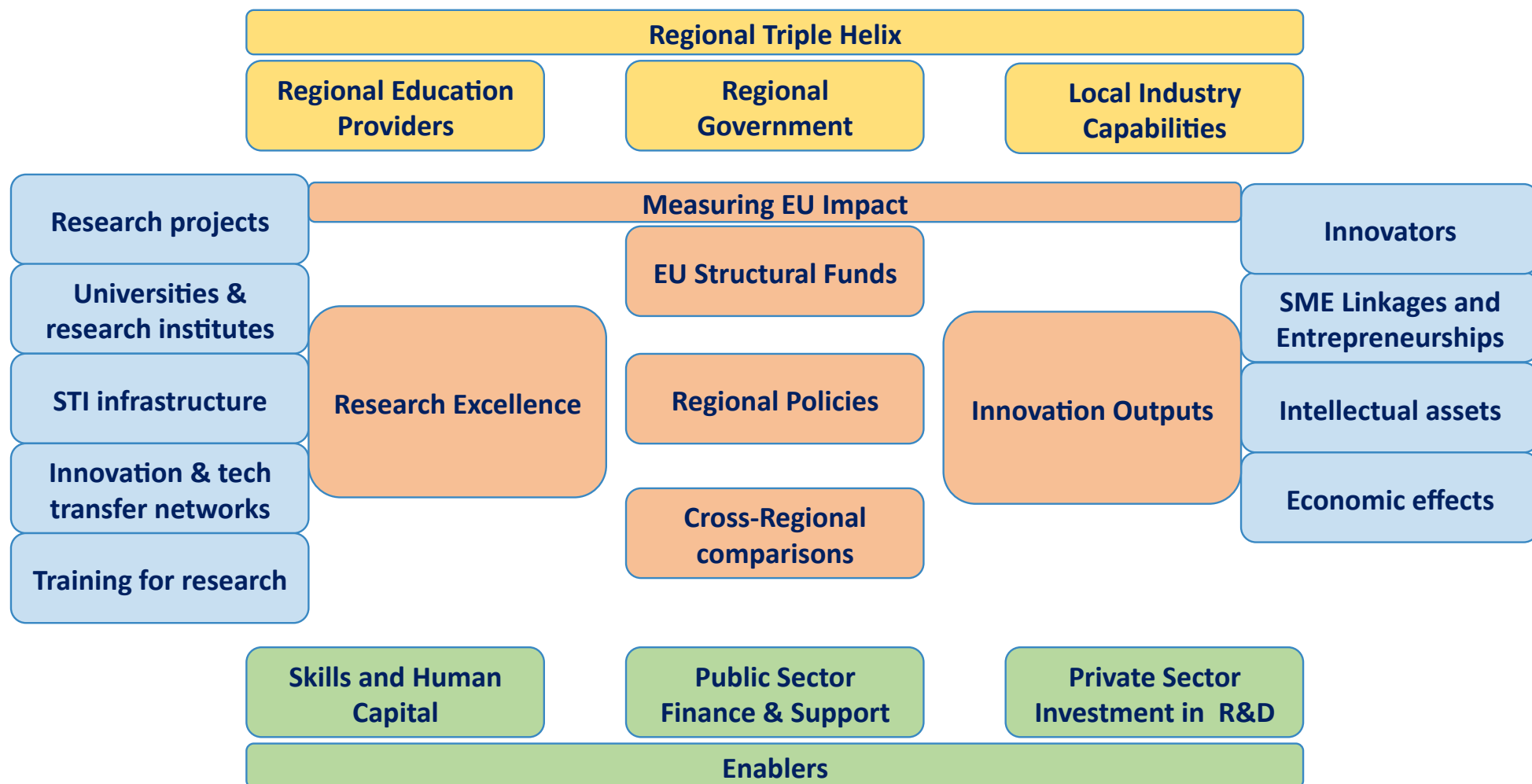
# Regional Triple Helix Constellations





Danson & Todeva	Aranguren, Guibert, Valdaliso, Wilson	Gustavsson	Gebhardt & Stanovnik	Kerry & Danson
<p>Governmentality and regional governance;</p> <p>Structure of government;</p> <p>Regionalism and subsidiarity;</p> <p>Regional development agencies as Triple Helix actors;</p> <p>Value creation and value capture in the Triple Helix;</p> <p>Stakeholder coalitions.</p>	<p>Academic institutions as catalysts of change;</p> <p>Globalisation and de-territorialisation of socioeconomic relationships;</p> <p>Knowledge and learning as a source of competitive advantage; University outputs and participation in the entrepreneurial process</p>	<p>Industrial and collaborative PhDs;</p> <p>Regional competitiveness, long-term and short-term benefits,;</p> <p>Endogenous growth model;</p> <p>Critical success factors for university-industry collaboration</p>	<p>Multi-level governance of innovation;</p> <p>European regional innovation policy;</p> <p>Complex projects;</p> <p>Capability and capacity of government;</p> <p>Regional innovation strategies;</p> <p>Innovation clusters.</p>	<p>Catapult innovation centres in the UK;</p> <p>Intermediaries;</p> <p>Sources of competitiveness;</p> <p>Innovation capacity.</p>

# Drivers for Regional Triple Helix Interactions



# What is the best level for Government Intervention



## Elements of an Innovation-Enabling Environment

- **Innovation Regulatory Framework**
  - Develop motivational legislations and regulatory environment
  - Establish efficient and effective patent registration procedures
  - Raise awareness on intellectual property rights
- **Enabling Services**
  - Develop a first-rate education system
  - Focus on research and development at universities
  - Promote innovation and entrepreneurship incubators
- **Technology Infrastructure**
  - Set up a first-class technology infrastructure that enables innovation
  - Ensure the optimal use of Information and Communications Technology in acquiring, disseminating and sharing knowledge to promote innovation
  - Ensure competitive and cost effective technology infrastructure
- **Investment and Incentives**
  - Provide new innovative funding options that meet the needs of both individuals and companies
  - Develop relevant financial laws and regulations



