
Cluster Policies and Cluster Strategies: Implications of the ISRN Cluster Study

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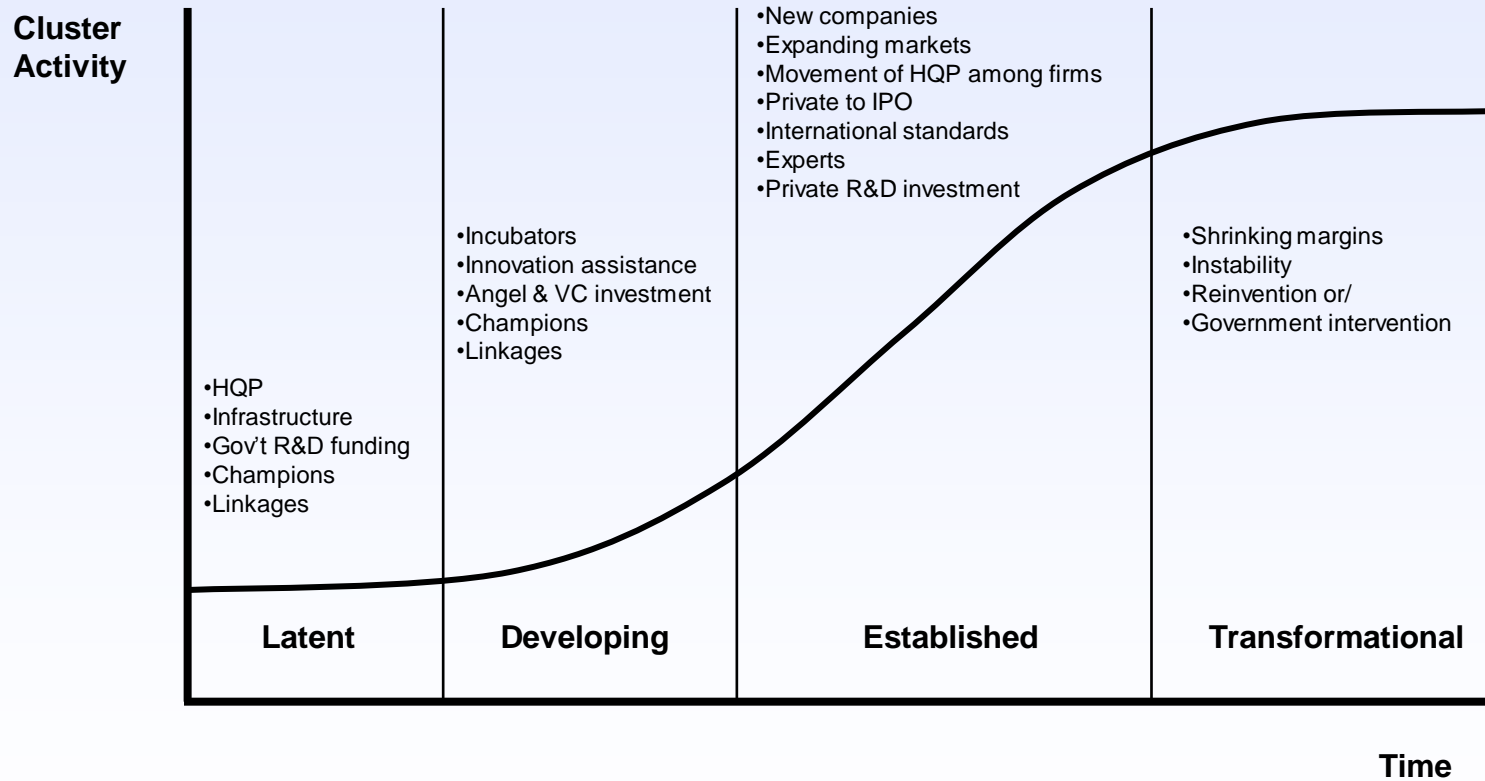


Emerging Themes in Cluster Analysis

- Path Dependence
 - How do clusters originate?
 - Intended versus unintended consequences
- Industrial structure
 - Clusters vary significantly across industrial sectors
- Knowledge and learning in clusters
 - International knowledge flows vs local learning dynamics
 - Institutional learning → civic capital
- Implications of spatial levels for cluster analysis
 - ‘nested scales’
 - moves in multiple dimensions across scales
- Different policies
 - appropriate at different stages of the cluster life cycle



ISRN's Cluster Life Cycle



Policy Implications

- Importance of social factors and institution building
- Linkages between elements of the system
 - Especially research infrastructure and clusters
- National policies impact at the local level
- Growing role of networks and clusters
 - Talent as a key attractor
 - Combination of educational resources and quality of life factors
- Critical role of strategic planning and regional foresight and the local and community level
 - Coordinate federal agencies at local level



Policy Support for Cluster Strategies

- Problem of 'missed opportunities'
 - Federal/provincial investments in research centres and programs
 - Lack of direct linkages to cluster strategies and policies
 - Lack of integration of science and industrial parks with cluster strategies
 - Lack of coordination of regional with national innovation systems
- Need for 'policy alignment'
 - Clusters as 'focusing device'



Policies to Support Cluster Development

- Three key types of policy:
 - Involve key actors in process of cluster development
 - Facilitate the development of collective services to support cluster firms
 - Promote more effective use of localized research and development infrastructure
 - Local training programs and institutes



Cluster Policies and Tools: Cluster Formation

- Limited interaction between actors in cluster
 - Establish sites for dialogue
 - Broker and network agencies and schemes
- Information failure
 - Cluster analysis and competence audit
 - Sponsor strategic studies
 - Conduct benchmarking
- Lack of cluster identity and awareness
 - Create cluster brand
 - Have national and regional authorities assist with cluster promotion



Role of Collaborative Institutions

- Formal and information organizations that:
 - Facilitate exchange of information and technology
 - Foster cooperation and coordination
- Enhance civic capital by:
 - Creating relationships and establishing trust
 - Creating collective institutions
 - Identifying common strengths and developing common agenda
- Strategic planning exercises draw upon civic capital created by these institutions
 - Generate trust by engaging key social partners in 'talk'
 - Builds set of shared understandings and expectations



Strategic Planning at the Community Level

- Innovation-based strategic planning
 - Promotes innovative ideas in all aspects of local economy
 - Facilitate relationship-building
- Strategic assessment of local/regional assets
 - Workforce skills
 - Knowledge assets and R&D
 - Creative elements
 - Infrastructure
 - Quality of place
 - Entrepreneurial networks and clusters
- Key Role of Civic Leadership
 - Brings civic interests together to collaborate
 - Creates broad buy-in across all sectors of community



Drivers of Cluster Initiative Success

- **Setting**
 - Strong business environment
 - Trust in government
 - Strong regional government
 - Cluster strength
- **Objectives**
 - Broad range of objectives
 - Objectives selected based on cluster's specific needs
- **Process**
 - CI Facilitator with cluster insight
 - CI has clear strategy and measurable goals
 - No negative effect of government financing
 - Negative effect of limiting participation

» Source: TCI Greenbook, 2003



Magic Bullets ?

- Business led
 - sustain leadership
 - Identify champions
- Clustering is a process not a goal
- Promote networking and interaction
 - Build common vision
- Focus on achievable steps
 - Revise, refocus
- Align institutions and resources
 - Across three levels of government
 - Clusters focus federal/state initiatives
 - Clusters lead workforce development
 - Educational institutions target critical areas

