

ARE INDUSTRIAL VALLEYS THE TOP OF THE MOUNTAIN?

PETER NIJKAMP

*“INNOVATION IS THE SPECIFIC INSTRUMENT OF
ENTREPRENEURSHIP. THE ACT THAT ENDOWS
RESOURCES WITH A NEW CAPACITY TO CREATE WEALTH”*

PETER F. DRUCKER



AIM

A CRITICAL REVIEW OF STRATEGIC REGIONAL DEVELOPMENT CONCEPTS

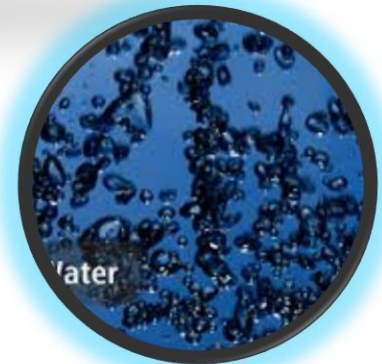
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Polarization and Agglomeration

- Regions in troubled water
- Smart specialization
- Polarization
 - ❑ *Static*
 - multiplier
 - (inter) sectoral response
 - indirect income multiplier
 - factor cost effects
 - spill-overs
 - ❑ *Dynamic*
 - investment accelerator
 - derived investments
 - innovation and market effects
 - upgrading effects
- Agglomeration
 - ❑ *Lösch*
 - ❑ *Hoover*
 - ❑ *Alonso*
 - ❑ *Klaassen*
 - ↓
 - ❑ *Spatial co-location*
 - MAR
 - Jacobs/Florida



Industrial Districts

- Marshall – plant size and indivisibilities
- Scale advantages after IR
- Third Italy – SMEs + networks
- Complementary views:
 - ❑ *New Industrial Spaces* (Scott)
 - ❑ *Milieu Innovateur* (Aydalot)
 - ❑ *Learning Region* (Storper)

↓
“Spatial Symbiosis”



Growth Poles and Growth Centres

- Growth Pole – topological economic space (Perroux)
 - ❑ Economic Interaction
 - ❑ Synergetic Ensemble
- Growth Centre – geonomic space (Boudeville)
 - ❑ Localized Development
 - ❑ Territorial Integration



“Decentralized Concentration”

- Pole de Competitivité

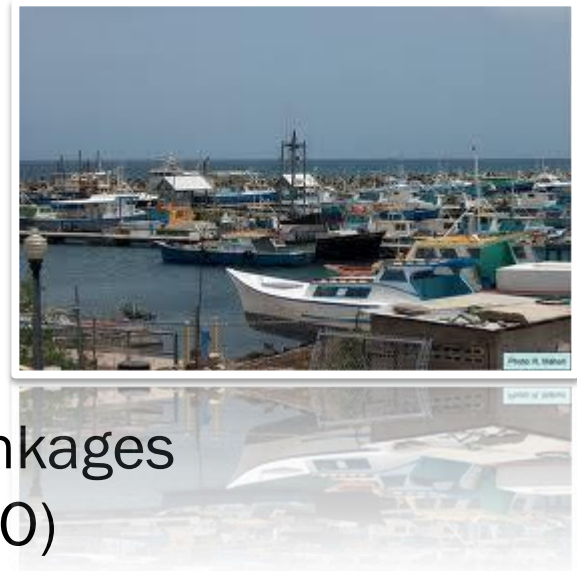


Industrial Complexes

- Industrial Agglomeration
 - Focus on Major Industry
 - Geographic Concentration
 - Engineering or Technological Linkages
 - Combination of Small and Big (IO)



Scale Advantages + Spatial Vicinity Benefits

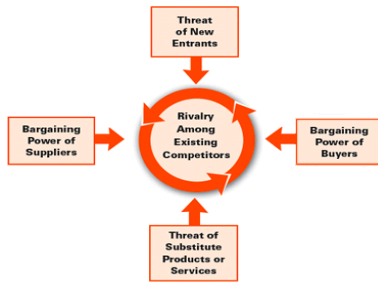


INDUSTRIAL CLUSTERS

- Portfolio of Specialized, Interlinked Industrial Activities



Porter's Diamond Model



- Economic Strength
- Less Territorially Oriented



“Backing the Losers”

or

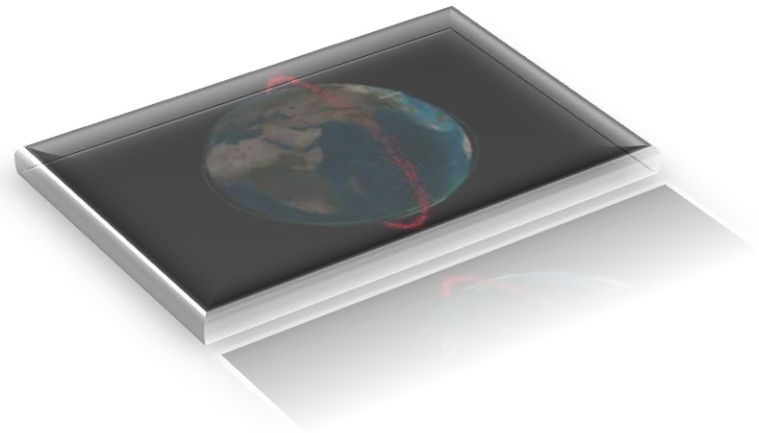
“ Picking the Winners”



Q: Meaning of ‘Proximity’

Proximity Links

- Proximity as modern reverse distance friction (Torre)
 - Geographical
 - Socio-cultural
 - Technological
 - Cognitive
 - Relational
- Nova Stars (Kourtit et al.)
 - ↓
 - “Transaction Costs”



REGIONAL INNOVATION SYSTEMS

- **Focus on Innovative Ability**
 - Open Innovation
 - Public and Private Initiatives
 - Regional Synergy
 - Knowledge Base (Cooke)
 - Creativity (Landry, Kourtit et al.)
- **Flanking Conditions**
 - Territorial Capital
 - Human Capital
 - Entrepreneurial Capital
 - Financial Capital
 - Social Capital
 - Knowledge Capital



LEARNING REGIONS

- Access to Creative Knowledge
- Open Interactions and Networking
- Shared Consensus
- Human Capital Management
- Knowledge Management
- Forward Looking



“Window of Opportunities”



Stakeholder Analysis



Learning Networks



EFFECTIVE CLUSTERS

- **Regions as Creative and Cognitive Engines**

- ❑ Innovative 'Milieu'
- ❑ Cognitive Synergy
- ❑ Advanced High-Tech
- ❑ Reliance on Social Capital



“Cognitive Mind Map”



Added Value Systems



Polish Aviation Cluster in Rzeszow



PERSPECTIVES

- Institutional Support Systems in Open Global Industrial World
- Echo Effects
- Self-organizing Regional Development
- The Region as a 'Survival Kit'
- Knowledge and Application



Pasteur Diagram



Pasteur diagram on research and innovation

