

Dimensions of Regional Innovation Systems

Based on the work of Lundquist and Trippi

Conditions

- Economic structure/specialization pattern
- Science base/knowledge infrastructure
- Nature of linkages
- Institutional set-up
- Policy structure
- Accessibility

Stage I: Weakly integrated

Asymmetric cost-driven system

- Strong differences in specialization
- Lack of synergies and knowledge flows
- High degree of institutional distance
- Low or asymmetric support from nation-states

Stage II: Semi-integrated

Emerging knowledge-driven system

- Emerging synergies
- Decreasing asymmetry
- Decreasing levels of institutional distance
- Emergence of coordination of innovation policies

Regional Innovation System (RIS)

- Regional space in which people, firms, and institutions interact to develop and use knowledge for innovation
- In context to binational regional collaboration
 - RIS with an international border

Stage III: Strongly integrated

Symmetric innovation-driven system

- Emergence of functional proximity
- Little to no institutional distance
- Intensive cross-border knowledge exchange
- Transparent and democratic governance structures
- High degree of physical proximity