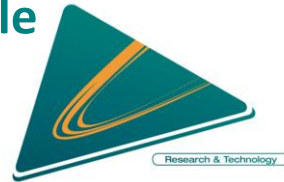


Regional Governance, Knowledge & Talent in the Knowledge Triangle



Session 4: Governance and Institutional Leadership
OECD High-Level Event on the Knowledge Triangle:
Enhancing the contributions of Higher Education and Research Institutions to Innovation
Paris, 15-16 September 2016

Prof dr Erik Stam

Entrepreneurial Ecosystem & Knowledge Triangle

- The effect of the Knowledge Triangle on aggregate value creation cannot be understood without taking into account the **entrepreneurial ecosystem**

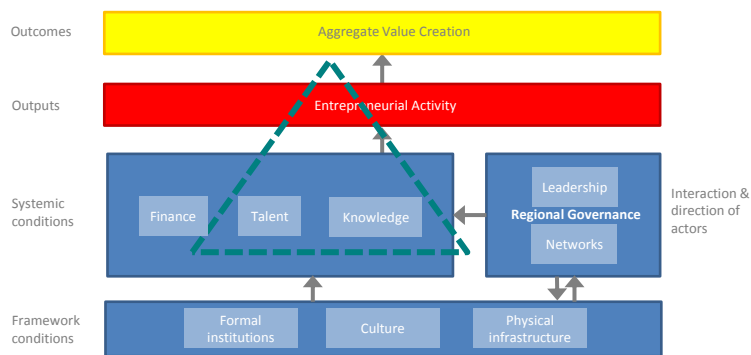
Entrepreneurial Ecosystem

- a set of interdependent actors and factors coordinated in such a way that they enable productive entrepreneurship within a particular territory (Stam & Spiegel 2016)

Knowledge Triangle at the heart of the Entrepreneurial Ecosystem

- I. **Talent** (human capital) = necessary input to (knowledge based) entrepreneurship
- II. Creation of **knowledge** based entrepreneurial opportunities
- III. **Entrepreneurial action**: Discovery and exploitation of knowledge based entrepreneurial opportunities (innovation)

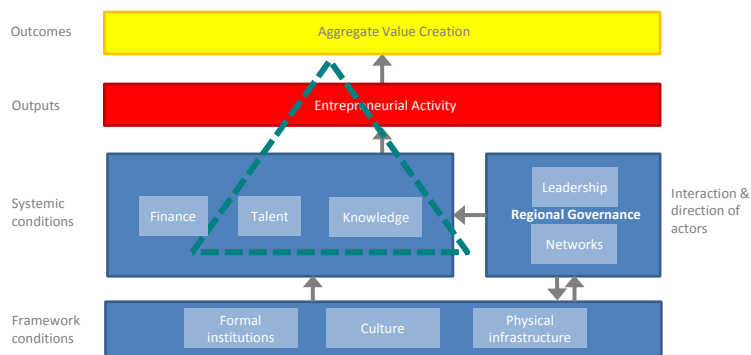
Entrepreneurial Ecosystem & Knowledge Triangle



Entrepreneurial Ecosystem & Knowledge Triangle

- How can the interaction between research [knowledge] and education [talent] be coordinated [by networks and leadership] in such a way that it enables productive entrepreneurship in a regional entrepreneurial ecosystem?

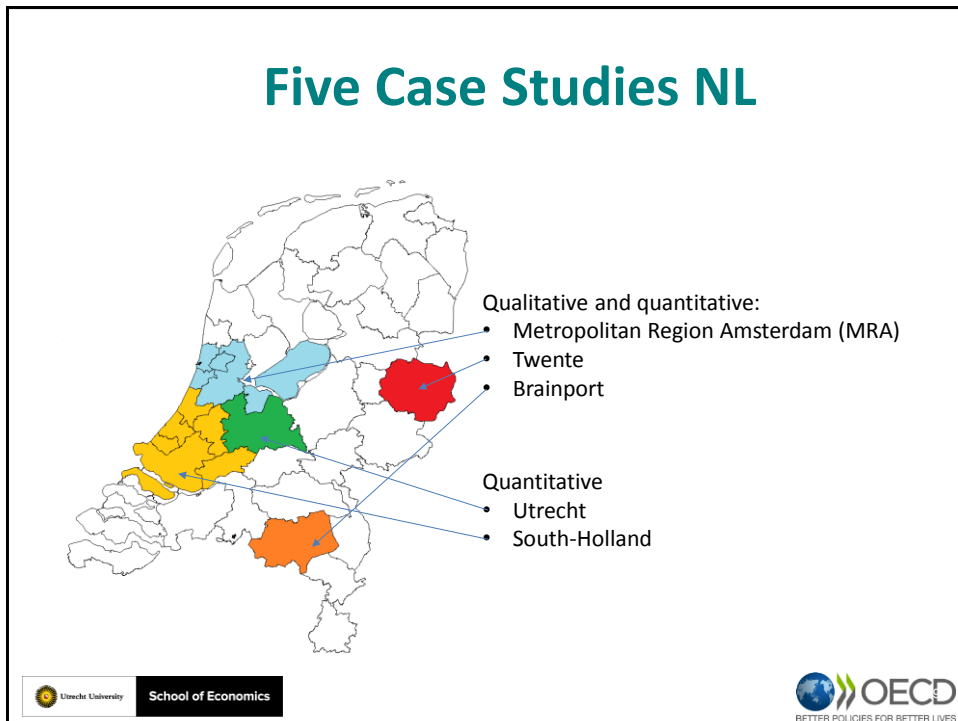
Entrepreneurial Ecosystem & Knowledge Triangle



Propositions

1. The knowledge triangle will only be productive if it is embedded in a well functioning **entrepreneurial ecosystem**. **No Cathedrals in the Desert**
2. Effective governance of entrepreneurial ecosystems necessitates the input of **regional business leaders** with a long term commitment to the region. **Contextual Knowledge**
3. Effective governance of entrepreneurial ecosystems necessitates a sufficient density and diversity (education, knowledge institutes, business innovators) of **innovation networks** in a region. **Bridging Knowledge**

Five Case Studies NL



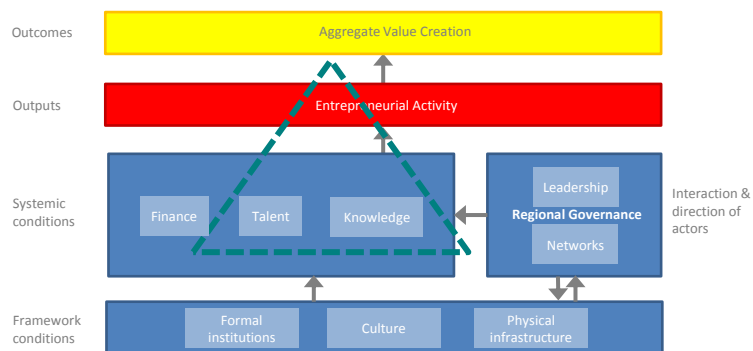
Propositions: NL evidence

1. The least well developed **Entrepreneurial Ecosystems** (EE) have no fully developed KT (Universities missing)
2. Involvement of **regional** business leaders in regional governance is rare
3. Better developed EE tend to have more **diverse** innovation networks, not necessarily more **dense**
 - Amsterdam: 0 dense; Twente: + dense
 - Amsterdam / Utrecht / Brainport: + diverse; Twente: 0 diverse

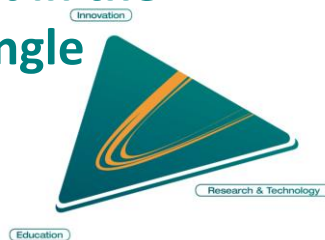
Productive Entrepreneurship

- Can be enabled by (effective) leadership, but also thrives without (Amsterdam, Utrecht)
- Interaction of education and knowledge institutes without involvement of business innovators = ineffective

Entrepreneurial Ecosystem & Knowledge Triangle



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