

# NETWORKING INNOVATIVE REGIONAL LABOUR MARKETS

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Towards spatial concentration and mutual exchange of competence, knowledge and synergy

# CONTENTS

## Some introductory remarks

1. **Search for incorporated competences: labour and knowledge**
  2. **Scientists and engineers following job opportunities: regional concentration for participation in a global body of knowledge**
  3. **The development of innovative regional labour markets: Islands of Innovation in networks of knowledge exchange**
  4. **An instrument of public policy: networking innovative regional labour markets for mutual knowledge exchange**
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# Some introductory remarks

- knowledge as the basis of innovation and modern industries
- labour as incorporated knowledge
- synergy as something new from merging divergent competences
- exchange of labour as access to new or different knowledge and synergy
- networked labour markets as an opportunity to both exploit knowledge and provide opportunities of synergy at different places
- public policy providing for a labour market which becomes a part of the network

# 1. Search for incorporated competences: labour and knowledge

- **Regional bodies of knowledge and competences in a situation of the internationalisation of science and research**
  - a global body of knowledge and division of labour in leading edge research
  - building Islands of Innovation: embedded regional situations
  - tradition and competences: areas of scientific research and industrial sectors

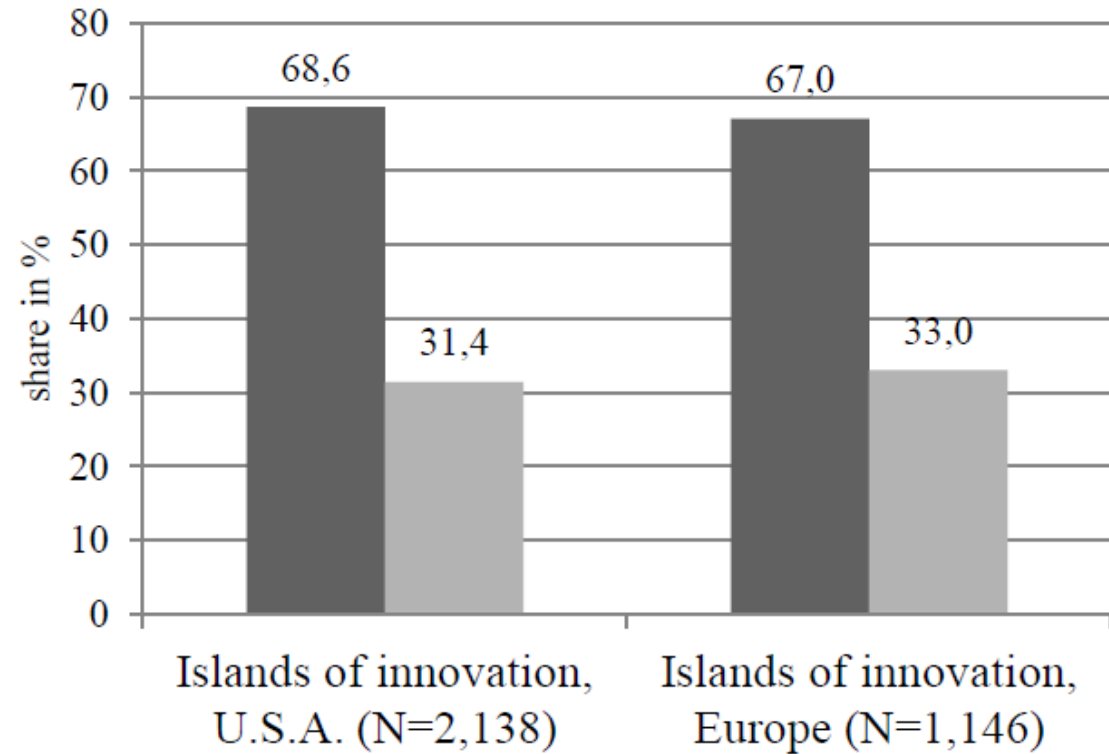
# 1. Search for incorporated competences: labour and knowledge

- **The production and employment of university degrees as a basis for collaboration and exchange of innovative competences**
  - universities as a basis for human capital to meet the regional demands
  - universities as an access to incorporated leading edge knowledge
  - recognised academic competences as basis for collaboration

# 1. Search for incorporated competences: labour and knowledge

- **Distant synergy through the exchange of labour: concentration and dissemination of new knowledge and techno-industrial change**
  - recruitment from abroad can bring new competences o the region
  - distant collaboration provides access to knowledge at different places with different opportunities
  - regional concentration of excellence as a basis for global recognition

**Figure:  
Recruitment of  
academics at  
Islands of  
Innovation**



- Recruitment from Islands of innovation
- Recruitment from other locations

## 2. Scientists and engineers following job opportunities: regional concentration for participation in a global body of knowledge

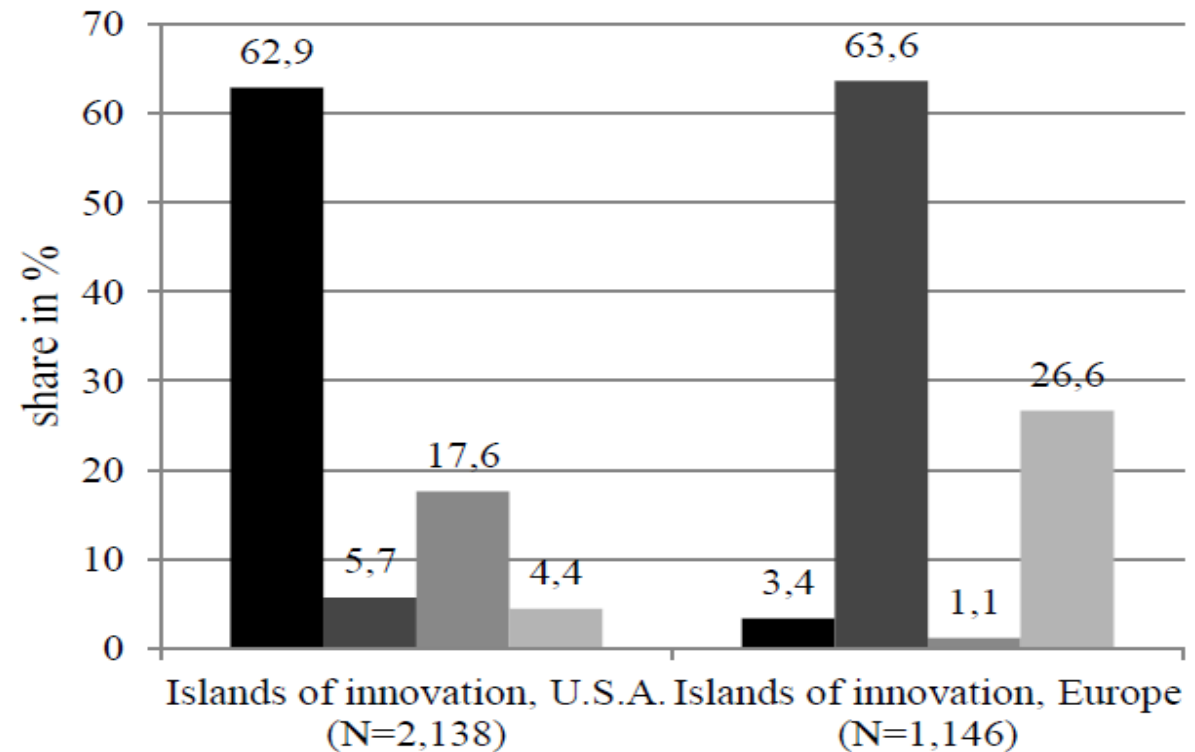
- **Building a body of knowledge through regional innovative labour markets: the extra-economic factors of high-tech development**
  - attractive jobs and research equipment to recruit to scientists
  - liberal socio-cultural environment provides openness for new ideas and foreigner
  - magnets of science and Islands of Innovation attract with their challenging situation (branding)



## 2. Scientists and engineers following job opportunities: regional concentration for participation in a global body of knowledge

- **Participation in a global body of knowledge and new findings through the agglomeration of innovative labour**
  - agglomerated innovative labour exchanges ideas at the location and across disciplines and will keep the labour at metropolises (Island of Innovation)
  - agglomeration allows more collaboration on a higher innovative level and will provide more access to knowledge and competences elsewhere
  - the stronger the agglomeration and the better the recognition the more opportunities for synergy through participation in the global body of knowledge

**Figure:**  
**Recruitment of**  
**academics at**  
**Islands of**  
**Innovation by**  
**type of sending**  
**location**



■ Recruitment from US Islands of innovation

■ Recruitment from European Islands of innovation

■ Recruitment from other locations in the U.S.A.

■ Recruitment from other European locations

### **3. The development of innovative regional labour markets: Islands of Innovation in networks of knowledge exchange**

- **Expanding innovative regional labour markets' support to dynamic industries**
  - more leading edge academic research and more research-based enterprises (university spin-offs) expand the demand for innovative labour
  - expanding innovative labour markets allow for more competences and more synergy as a basis for dynamic industries and technology-based enterprises

### **3. The development of innovative regional labour markets: Islands of Innovation in networks of knowledge exchange**

- **Innovative labour enables Islands of Innovation and integrates them into innovative networks**
  - growing innovative labour markets provide more jobs and more opportunities to collaborate within Islands of Innovation and through networks
  - innovative labour provides the basis for economic regional development at places which are prepared to link other locations and to create synergy

## Figure: Networks of recruitment

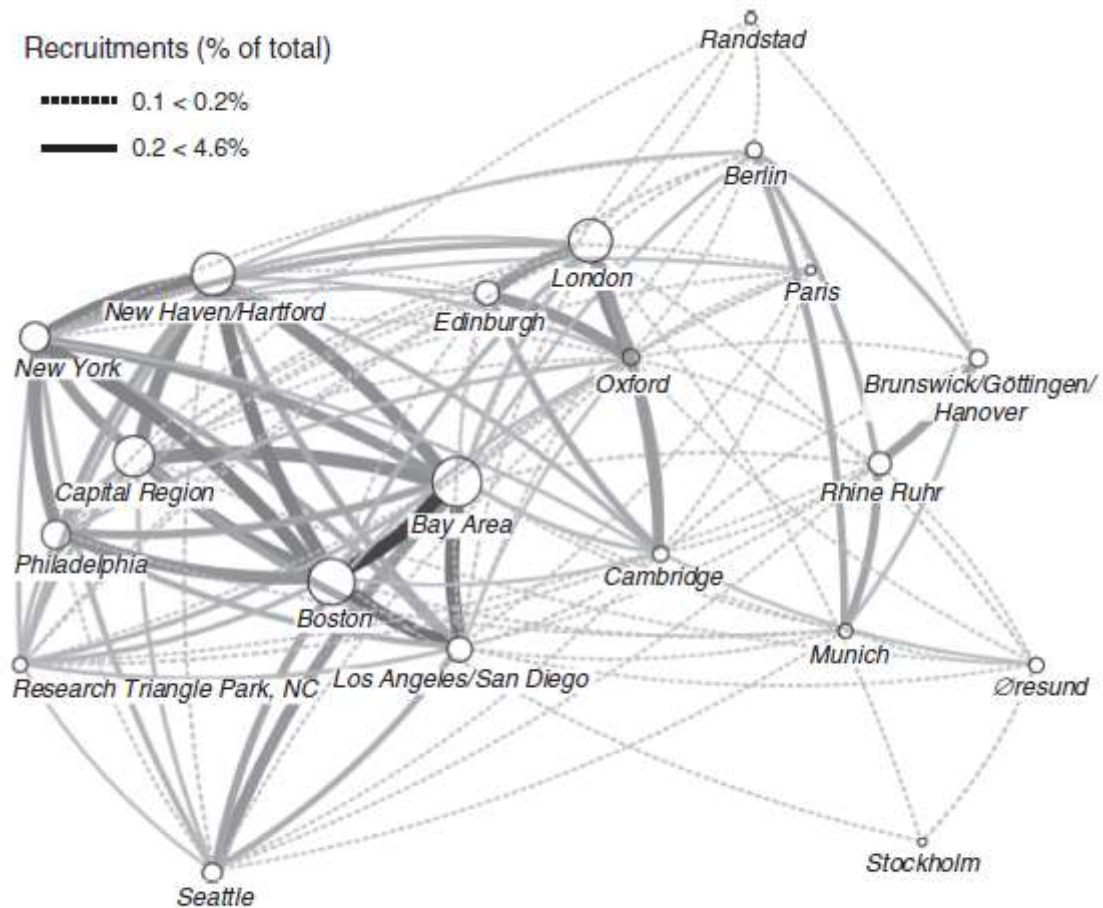


Figure 2.2 Patterns of recruitment among Islands of Innovation (N=2,235, equal to 68.1 % of all recruitments (N=3,284))

## 4. An instrument of public policy: networking innovative regional labour markets for mutual knowledge exchange

- Research findings are produced by university trained labour
- Public research and technology programmes create jobs for such labour
- Mobility of knowledge workers provides for the exchange of incorporated knowledge and opportunities of synergy
- The difference from non Islands of Innovation increases to the extent that jobs and excellence is concentrated
- Networking innovative labour markets allows for synergy across distance

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