The Interplay between Clusters and Regional Innovations Strategies (RIS)

Gerd Meier zu Köcker
Tromsö
31 October 2017
The Inteplay between Cluster and RIS
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Cluster → Funding ← RIS
The Inteplay between Cluster and RIS

Cluster → ?? → RIS
RIS Approach

Existing Strengths

Opportunities

New combination

Transformative Activities
Emerging Industries

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Why RIS3? (rationale)

Critical mass as a key determinant of R&D productivity, creativity & innovation

- Agglomeration
- Complementary capabilities
  - R&D productivity
  - Creativity
  - Innovation
- Knowledge circulation and recombination
Success Factors to Implement RIS

Why RIS3? (rationale)

Critical mass as a key determinant of R&D productivity, creativity & innovation

Cluster

Cluster Portfolio

Systematic Approach to Implement RIS3

R&D productivity
Creativity
Innovation

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Ingredients for RIS in Arctic (T&F)

Strong clusters

Strong Regional Cluster Portfolio

Implementation process

- Prognosis of Transformative Activities
  - R&D Activities
  - Entrepreneurial Discovery Workshop
  - Trendscanning

- Areas of Intervention
  - Alignment cross-regional & national level
  - Policies of neighbouring regions

- Regional Priority Areas
  - Policy on national level
  - TechTransfer Centres
  - Universities
  - Incubators
  - Innovation Labs
  - ....

- Statistical Analyses
  - Regional Cluster Portfolio
  - SROI
  - Stress Test

- Status Quo

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Prognosis of Transformative Activities

- R&D Activities
- Entrepreneurial Discovery Workshop
- Trendscanning

Areas of Intervention

Regional Innovation Strategy Artic (T&F)

Policy Instruments
- Policy on national level
- Policies of neighbouring regions

Menu of Integrated Solutions
- Cluster Initiatives
- TechTransfer Centres
- Universities
- Incubators
- Innovation Labs
- ......

Regional Priority Areas
- Statistical Analyses
- Regional Cluster Portfolio
- RCES
- StressTest

Status Quo
Regional Cluster Portfolio Arctic (T&F)
Prognosis of Transformative Activities

- R&D Activities
- Entrepreneurial Discovery Workshop
- Trendscanning

Areas of Intervention

Regional Innovation Strategy Artic (T&F)

Policy Instruments
- Policy on national level
- Policies of neighbouring regions

Menu of Integrated Solutions
- Cluster Initiatives
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- Innovation Labs
- .....
Regional Cluster Excellence Scorecard
Arctic (T&F)

Degree of Cooperation among Cluster Actors

<table>
<thead>
<tr>
<th>Category</th>
<th>Arctic (T&amp;F)</th>
<th>Nordland</th>
<th>Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Working Groups</td>
<td>58.3</td>
<td>64.0</td>
<td>70.5</td>
</tr>
<tr>
<td>Degree of Cooperation between Cluster Participants</td>
<td>91.7</td>
<td>100.0</td>
<td>97.0</td>
</tr>
<tr>
<td>Clarity of Roles - Involvement of Stakeholders in Decision Making Process</td>
<td>75.0</td>
<td>85.7</td>
<td>90.5</td>
</tr>
<tr>
<td>Stability of Cluster Participation</td>
<td>100.0</td>
<td>92.0</td>
<td>97.0</td>
</tr>
<tr>
<td>Direct Personnel Contacts between Cluster Management</td>
<td>66.7</td>
<td>85.5</td>
<td>92.0</td>
</tr>
</tbody>
</table>
Regional Cluster Excellence Scorecard
Arctic (T&F)

Degree of Integration of the Cluster in the Regional Eco-System

- Extend cluster initiative is used by policy makers
  - Arctic (T&F): 33.3
  - Nordland: 85.7
  - Norway: 75.8

- Cooperation Requests from Region
  - Arctic (T&F): 66.7
  - Nordland: 64.1
  - Norway: 70.5

- Integration of the Cluster Organisation in the Innovation System
  - Arctic (T&F): 33.3
  - Nordland: 57.2
  - Norway: 91.0

- Recognition of the Cluster in Media
  - Arctic (T&F): 16.7
  - Nordland: 51.5
  - Norway: 47.5

- Driving Forces
  - Arctic (T&F): 41.7
  - Nordland: 78.5
  - Norway: 49.9
Regional Cluster Excellence Scorecard

Cluster Dynamics

Utilization of Regional Growth Potential
- Arctic (T&F): 51.0
- Nordland: 49.9
- Norway: 46.55

Success Stories
- Arctic (T&F): 53.0
- Nordland: 56.5
- Norway: 55

International Cooperation Request
- Arctic (T&F): 17.0
- Nordland: 14.2
- Norway: 36.1
RIS Synergy Diamond for Arctic (T&F) Region
StressTesting
Regional Approaches Conducive to Implement S3 through Clusters

At a Glance

• 25 European regions participated
• Exercised completed in 2016 / 2017
• More than 500 cluster managements, policy managers, regional developers etc. involved
Key Determinantes of RIS Development and Implementation Process

Clusters as tool to implement Smart Specialisation Strategies

- Regional Cluster Portfolio
- Involvement of clusters during S3 development
- Coordination & Alignment of S3
- Implementation of S3
- Monitoring & Evaluation
- Impact of S3 on cluster organisations

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Majority of cluster organisations has been involved in S3 development......

Cluster Organisations have not been involved in the development of S3 17%

Cluster Organisations have been involved in the development of S3 83%
... but to a very different extent

How cluster organisations contributed to S3 development

- Cluster strategy embedded in the S3
- Co-Author of the S3
- Member of a Task Force or similar
- Preparation of discussion / strategy papers
- Personal expertise or advice
- Participation in workshops
- Nomination of experts
- Interviews

Based on 130 respondents
How Cluster Initiatives Support Regional Policy Makers to Implement RIS

- In charge to implement dedicated programmes as part of the implementation of S3
- Member of strategic boards or task forces
- Preparation studies / strategy papers
- Access to key cluster participants
- Participation in workshops
- Involved in structured information exchange
- Expertise on demand

Based on 130 respondents
Involvement of cluster initiatives during the S3 development phase

Clarity of roles and tasks of clusters given in S3
StressTest Findings for a selected Baltic Region

Alignment of S3 with other policy instruments of neighbouring regions

Figure 1: Alignment of S3 with other policy instruments of neighbouring regions

Figure 1: Extent policy makers make active use of cluster initiatives

Figure 2: Dynamics of cooperation between policy makers make and cluster initiatives
Contact

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