

THE STARTING POINT - CREATING A POLITICAL ARENA FOR COLLABORATION

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LOT OF POLITICAL STAKEHOLDERS



Ministry of Higher Education
and Science

Danish Agency for Institutions
and Educational Grants

**Business
Aalborg**



DANISH BUSINESS AUTHORITY

CoP



**Ministry of Environment
and Food of Denmark**

Developing
Fyn
TOGETHER FOR GROWTH



UDENRIGSMINISTERIET

MINISTRY OF FOREIGN AFFAIRS OF DENMARK

MANY BARRIERS FOR COLLABORATION BETWEEN INDUSTRY AND UNIVERSITIES

COMPANIES:

- Lack of competences – for qualifying ideas and needs into innovation
- Lack of information – lack of insights into different services, research areas and finding the right access.
- Insecurity on legal issues

Important to
build up
knowledge on
this - Netmatch

Clusters as an
important tool for
bridgebuilding
and facilitation
the collaboration

UNIVERSITIES:

- Weak incentives for collaboration for researchers
- Lack of resources and competences for 3. mission activities
- Researchers lack insights into how the knowledge can be used in a business
- Lack of communication targeted businesses

Source: Iris Group and analysekompagniet (2008): Matchmaking mellem virksomheder og videninstitutioner for Styrelsen for Forskning og Innovation

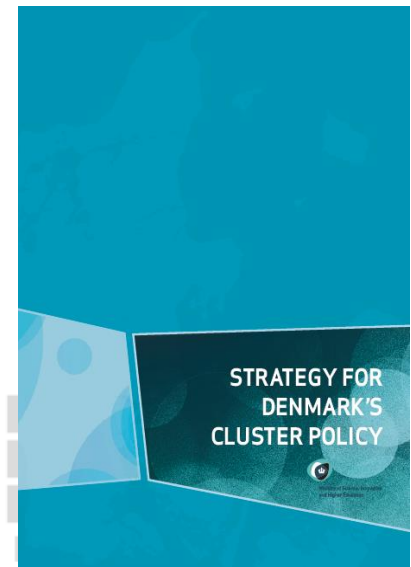
THE DANISH CLUSTER JOURNEY

Policy development for clusters:

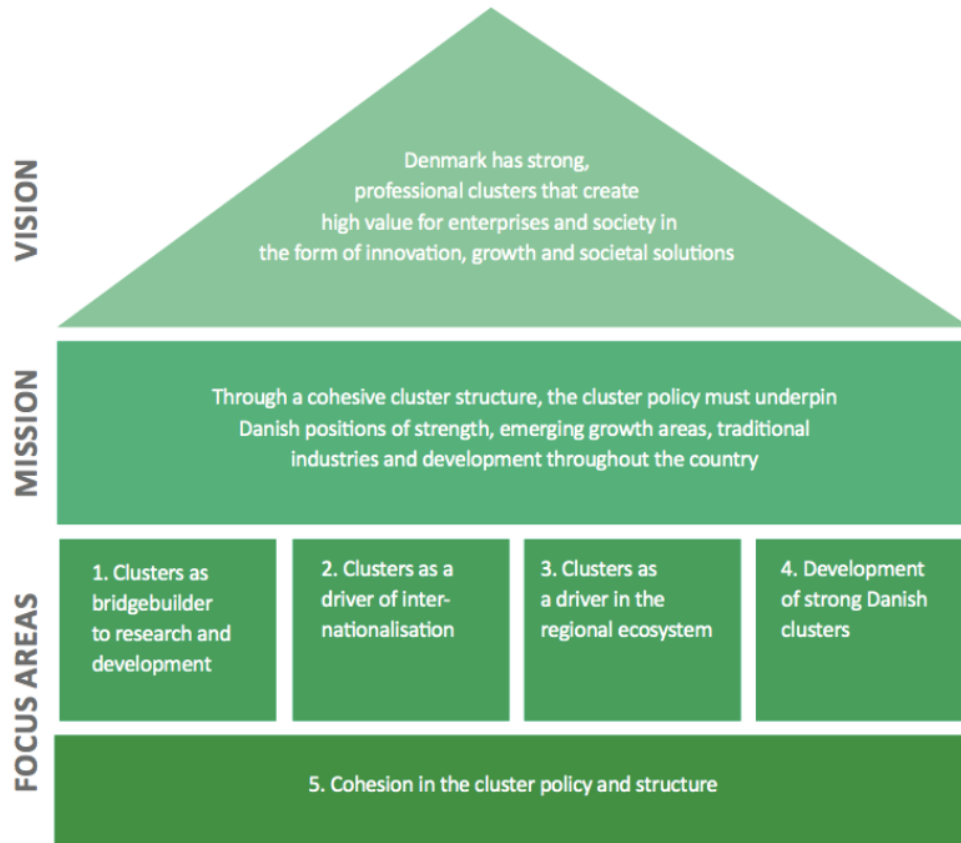
- From smaller, thematic focused local and regional clusters – perhaps around 183 clusters and networks in Denmark....
- From smaller projects with very little cross-regional, little cross-sectorial and little international collaboration
- Two approaches – the national innovation network program and regional funding
- Key challenges:
 - Little coordination
 - Little insights into the cluster landscape
 - Little awareness of the international setting around clusters
 - Little professionalisation of cluster initiatives and organisations.
- SO LETS WORK TOGETHER

TWO NATIONAL CLUSTER STRATEGIES

- National cluster and network strategy in 2013:
 - Coordination of cluster policy: Six ministries, five regions, municipalities + a many others.
 - Excellent cluster organizations
 - Strong international collaboration
- Establishment of Cluster Forum for the cluster and network policy in Denmark – meeting 2-4 per years with the aim for better coordination
- Status:
 - Cluster evaluation
 - Cluster catalogue
 - Cluster Excellence Denmark – supporting clusters in professionalization, competence development and internationalisation.



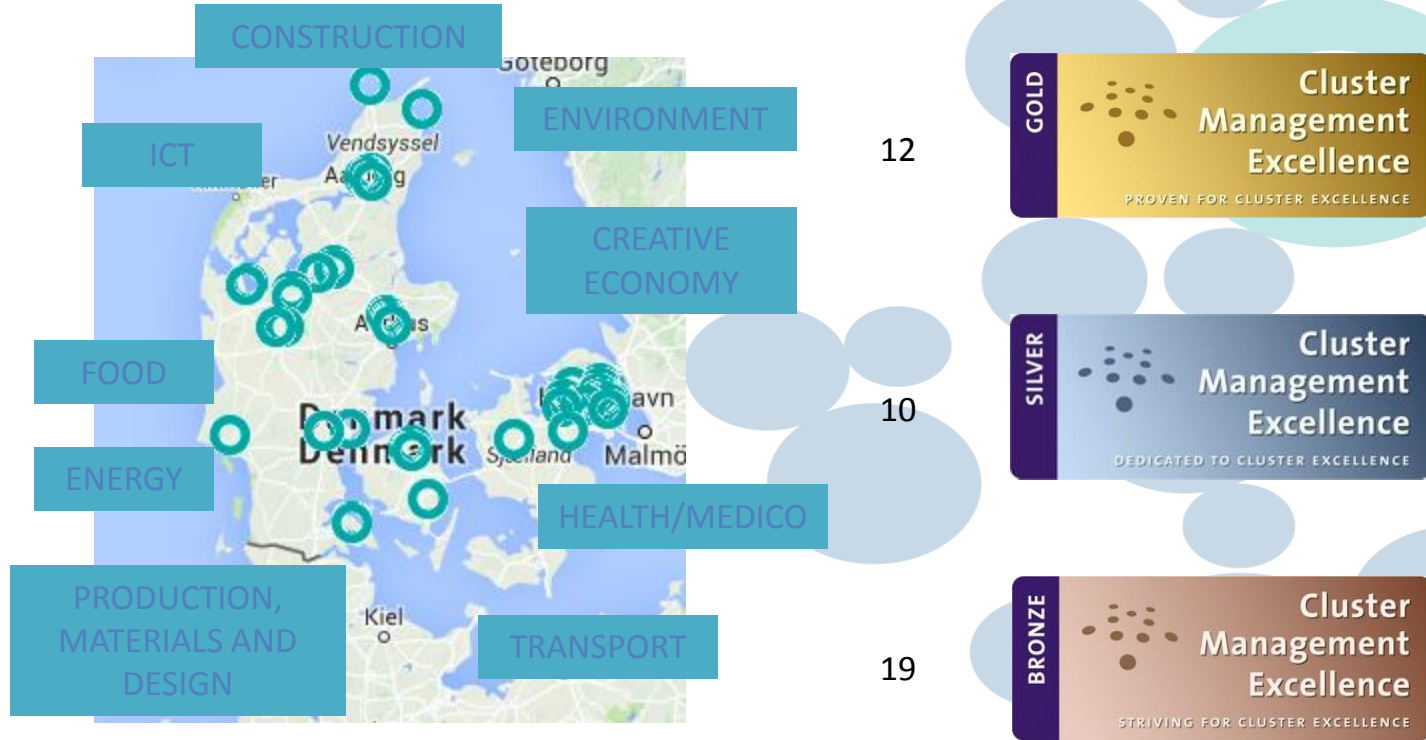
DANISH CLUSTER STRATEGY: 2016-18



HOW TO DEFINE CLUSTERS

- Cluster aim to **build knowledge bridges** between companies and knowledge institution and to create **innovation and growth within a group of companies** with shared interests
- **Triple helix organisation**, i.e. both companies, knowledge institutions and public partners/ civil society take an active part
- **Formally established organisation** of the cluster and its activities with at least one fulltime equivalent and have the resources to offer services and activities to the members. The aim is a long-term, sustainable effort.
- **Minimum of 20 committed participants from private companies**
- **Clusters must have a valid label; Bronze, Silver or Gold (or be in process) of the ECEI - European Cluster Excellence Initiative**

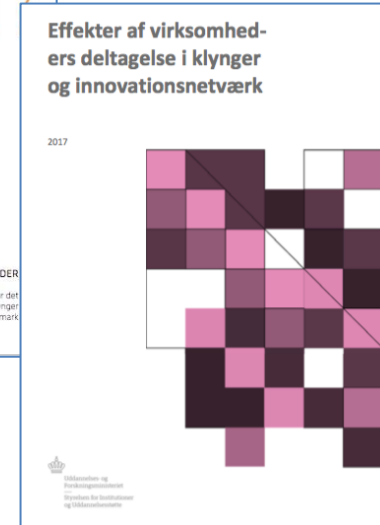
THE LEADING DANISH CLUSTERS



THE ECONOMIC VALUE OF PARTICIPATING IN CLUSTERS

Companies that are active in clusters are:

- Four times more likely to innovate compared to similar companies, who are not involved in cluster activities.
- Obtain productivity growth which is 3,6 pct. higher other similar companies not involved in cluster activities.
- Normally only 5-6 pct of SME are active international. By participating in clusters 14 pct. of SMEs have international activities.



IN 2016

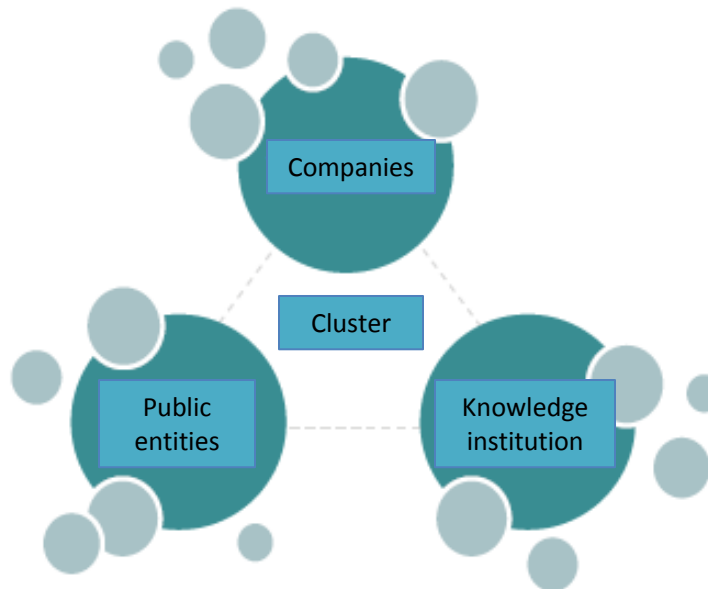
16.520 COMPANIES

PARTICIPATED IN ACTIVITIES IN THE
DANISH CLUSTERS

IN 2016 EACH OF THE CLUSTERS COLLABORATED WITH

24 DIFFERENT KNOWLEDGE INSTITUTIONS

38 DIFFERENT PUBLIC ENTITIES

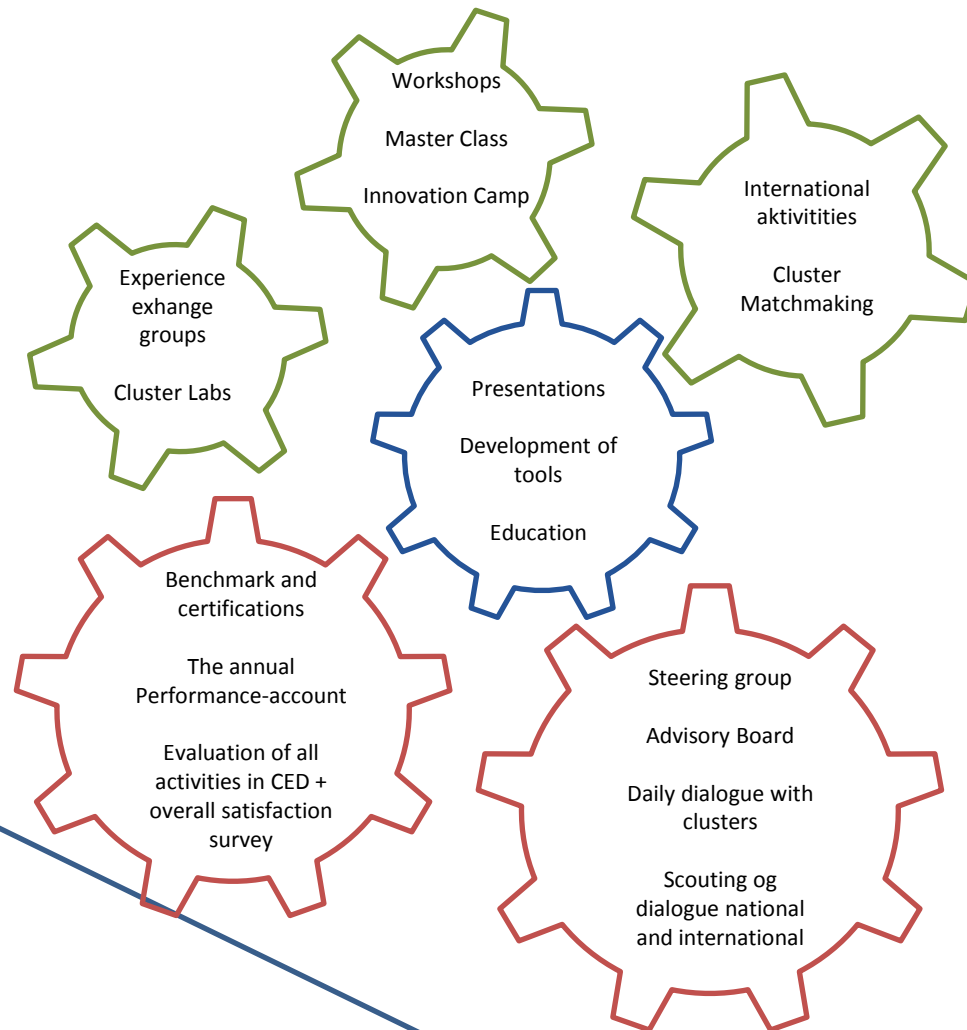


ANNUAL TURNOVER IN THE
CLUSTERS - 45 EUR MIO:

**1/3 FROM THE STATE, 1/3 FROM
REGIONS/MUNICIPALITIES
AND AROUND 20 PCT. FROM
COMPANIES (AND SOME EU
FUNDING)**

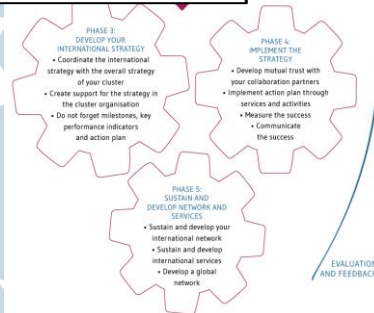
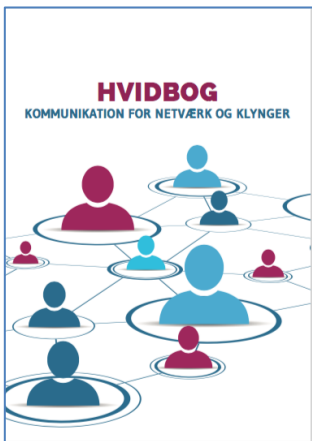
ABOUT CLUSTER EXCELLENCE DENMARK

- Aim: To professionalise and secure competence development of the Danish cluster organisations and their services.
- Support all clusters and networks at their different level of development – mainly the larger cluster (Cluster Catalogue)
- Funding from the Ministry of Higher Education and Research and the five regions.
- The Cluster Strategy defines the overall frame for the activities within Cluster Excellence Denmark
- Team of different competences both in Denmark and abroad to match the different services. On a daily basis 6 persons work with Cluster Excellence Denmark.
- Offices in Copenhagen and in Holstebro.

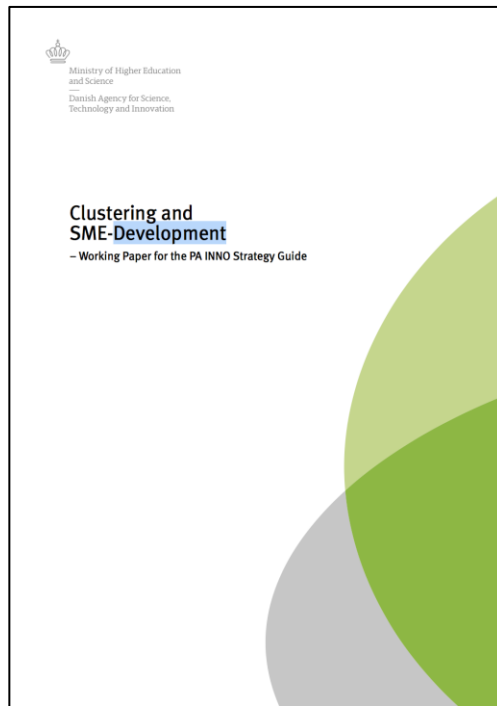


Professionalise clusters

DIFFERENT TOOLS TO SUPPORT FURTHER PROFESSIONALISATION



THE INTERNATIONAL POLITICAL ARENA FOR COLLABORATION



KEY OUTCOME FOR COMPANIES OF THE BSR STARS INNOVATION EXPRESS

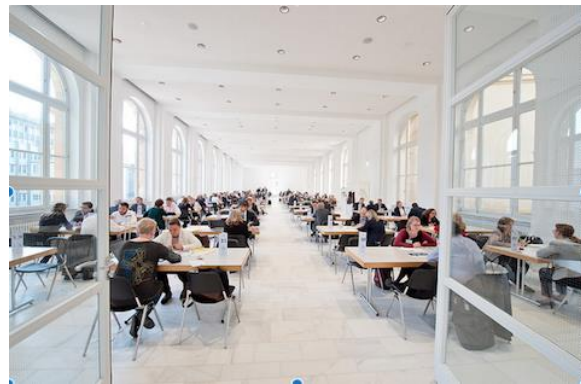
BSR STARS INNOVATION EXPRESS
SINCE 2013

PROVIDING
6 MILLIONS EUROS

SUPPORTING
173 PROJECTS

INVOLVING
200 CLUSTERS

ENGAGING
4000 COMPANIES



LEADING TO MORE AND MORE COLLABORATION



*The Cluster
Matchmaking
Conferences has been a
key for the development
of our international
network and has helped
us to many
international projects*

HOW FAR HAVE WE COME

- Much better knowledge and understanding of clusters across the nation and the regions.
- More professional policy approach on all levels in Denmark
- From time limited projects to part of the innovation infrastructure
- Much stronger documentation of results
- Compared to other European countries the largest number of gold and silver label clusters – ongoing focus on professionalisation and competence development – also leading to better impact for companies.
- Systematic development of the clusters internationalisation.

WHERE DO WE NEED TO GO FROM HERE

- Only soft coordination between the ministries and the regions.
- Still a lot of parallel initiatives competing about funding and companies – and creates some frustration in the system.
- To many entities in the Danish system – need for downsizing the number and the costs. New political focus in Denmark.
- Better understanding of how clusters are organised: The legal entity, the strategy and the value chain. What is the best model?
- Creating the right balance between stronger clusters and opening the system towards new emerging clusters.

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