



National cluster support initiatives and/or technology transfer activities

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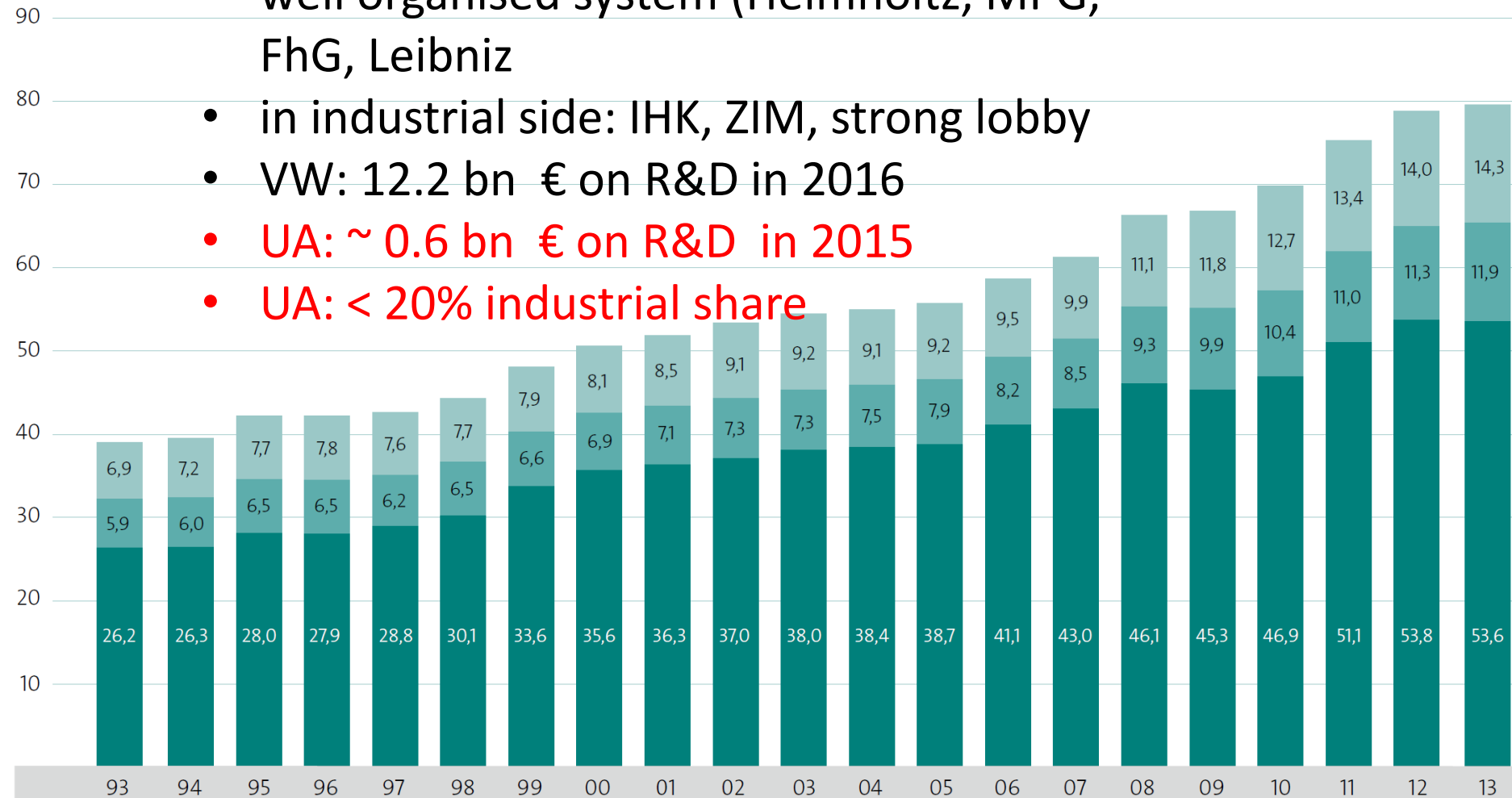


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German R&D: industrial, federal and academia

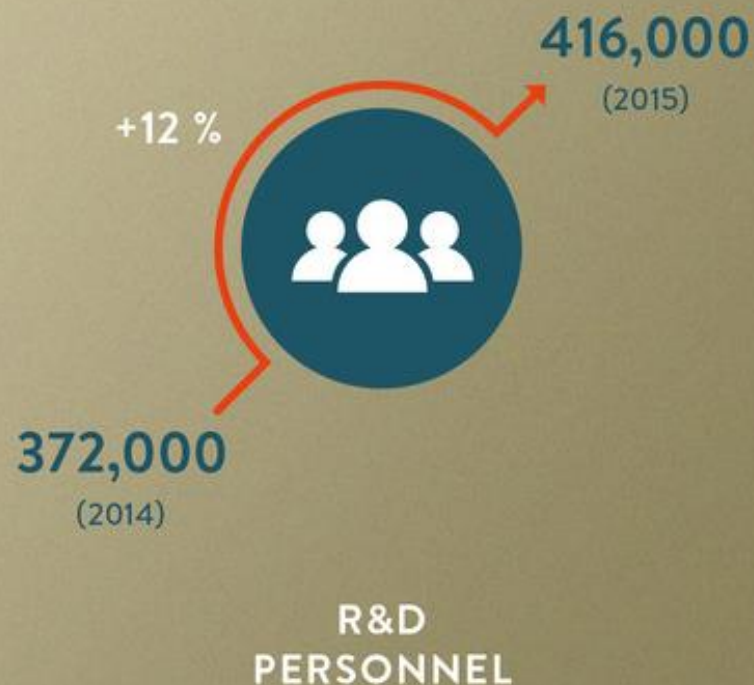
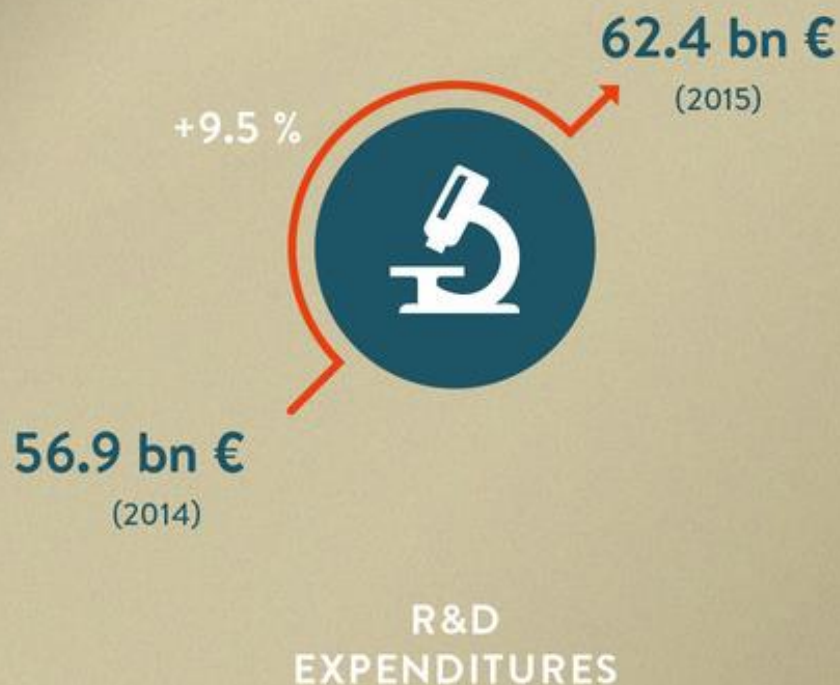
in Mrd. Euro

- well organised system (Helmholtz, MPG, FhG, Leibniz)
- in industrial side: IHK, ZIM, strong lobby
- VW: 12.2 bn € on R&D in 2016
- UA: ~ 0.6 bn € on R&D in 2015
- UA: < 20% industrial share



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IN THE GERMAN BUSINESS SECTOR



Cluster Policy in Germany

- Overall goal: support for the competitiveness of the national economy
- cluster initiatives and networks
- further measures to boost clusters' excellence
- implementation at national and federal state level.

www.clusterplattform.de

The German Cluster Landscape

- co-funded by the German federal government, the federal states or the private sector
- a wide range of industrial branches, thematic areas and fields of technology, e. g.
 - automotive,
 - aviation,
 - biotechnology,
 - lightweight construction,
 - organic electronics, photonics, power electronics
 - renewable energies

Programm „go-cluster“



- provides a stimulus to improve cluster management
- helps turn German clusters into highly effective international clusters
- The "go-cluster" programme is the cluster political excellence activity
- run by The Federal Ministry for Economic Affairs and Energy
- currently around 100 members make use of the various offers of the program
- the initiative provides
 - support for innovative services
 - raises the international visibility of innovation clusters.
- members of the "go-cluster" programme can obtain funding for novel solutions.

Programm „go-cluster“



- provides a stimulus to improve cluster management
- a quality and efficiency certificate for cluster management organisations
- applying uniform assessment criteria that comply with European quality standards
- assumptions of the costs of the Bronze or Silver Label of the European Cluster Excellence Initiative (ECEI)
- the right to use the mark/logo “go-cluster: Exzellent vernetzt!” as quality label
- participation and higher visibility in government economic initiatives
- increased national and international visibility to decision-makers representing government, business and administration
- public presentations of cluster activities (events, newsletters, websites and clusters’ success stories “ClusterERFOLGE”)
- networking activities with the most efficient innovation clusters from DE and EU
- participation in seminars on topical matters of clusters and management
- individual counselling of cluster managements among others on the issues of strategy development
- entitlement to apply for funds

How to become a member of the "go-cluster" programme ?

- each German innovation cluster can apply for admission
- requires a set of quality criteria that has to be met.
- the proposal is followed by a personal meeting with the cluster manager.
- after a successful application and admission the participating in the benchmarking processes of the European Cluster Excellence Initiative (ECEI) is mandatory for all members.
- the cluster management organisations commit themselves to meet the quality criteria of the Silver Label of ECEI within two years in order to record a development and an increase in quality.

Der Spitzencluster-Wettbewerb Leading-Edge Clusters Competition

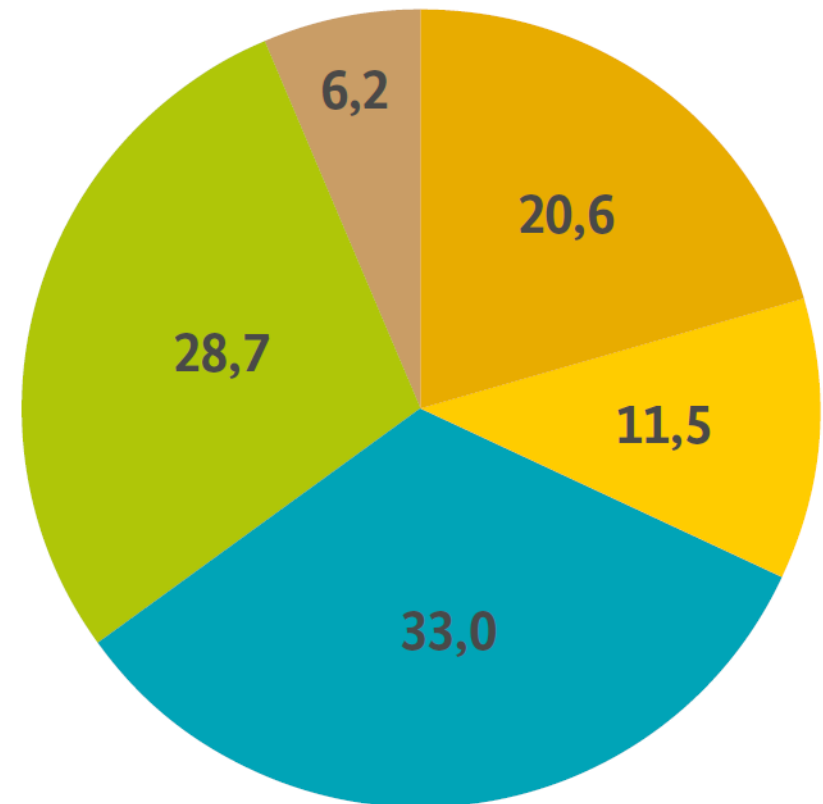
- run by the Federal Ministry of Education and Research
- brings together the most important partners within the innovation and value-added chain in their respective fields of technology and regions.
- The funding provides supports in implementing cluster and innovation strategy
- Helps to establish international leading groups in the long term.

- www.c-energy2020.eu**

Der Spitzencluster-Wettbewerb Leading-Edge Clusters Competition

- Hochschulen/*Universities*
- Außeruniversitäre Forschungseinrichtungen/
Non-university research facilities
- Großunternehmen/*Large corporations*
- KMU/*SMEs*
- Sonstige Akteure/*Other players*

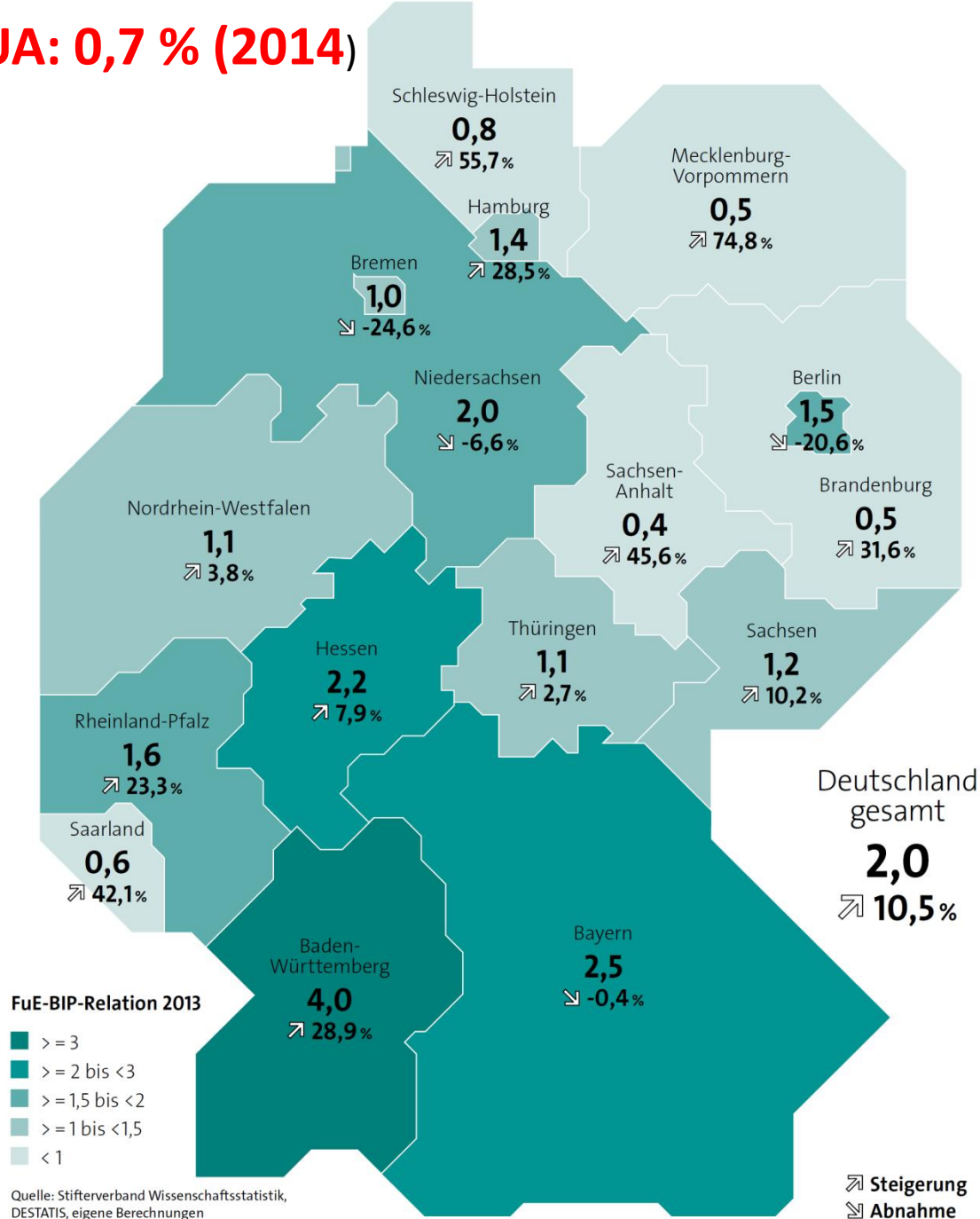
Empfängergruppen im Spitzencluster-Wettbewerb
(in % des Fördervolumens)/
*Recipient groups in the Leading-Edge Cluster
Competition (% of funding volume)*



German R&D intensity in 2013

n.b. 2015
German average
is 3%

UA: 0,7 % (2014)



Entrepreneurial Regions – The BMBF Innovation Initiative for the New German Federal States

- a measure focuses on establishing and developing particular technology, science and business skills in former East German regions.
- The initiative aims to lay the foundations for the development of regional business clusters.
- Follows BMBF innovation support policy and thus of “Entrepreneurial Regions”: lateral thinking, cooperation, strategic planning and entrepreneurial action.

Entrepreneurial Regions – The BMBF Innovation Initiative for the New German Federal States

The programmes' aspirations are based on the fact that the most innovative products and applications are almost exclusively the result of highly specialised and integrative knowledge from many sources, minds and organisations of widely varying origins and orientation. In "Entrepreneurial Regions", this philosophy is closely tied to an entrepreneurial approach.

Entrepreneurial Regions

The Programme Guidelines

1. Only the best from the region - innovation based on regional strengths

Innovation is the key to successful economic development. "Entrepreneurial Regions" promotes outstanding innovation potentials ("strengths") in the region.

2. Innovations: taking action together in a creative and strategic manner

Innovation potentials are set free in regional alliances made up of members from the industrial, scientific, academic and administrative community. "Entrepreneurial Regions" demands a binding, consistent strategy with a symbiosis of flexibility and creativity from the initiatives.

3. Innovations with market orientation

"Entrepreneurial Regions" initiatives must be based on strategically designed concepts and a long-term marketing strategy. This also holds true of R & D projects. The background: entrepreneurial thinking, planning and action are pivotal to the success of regions.

4. The BMBF's aim: regions with clear profiles based on outstanding technological platforms

The aim of "Entrepreneurial Regions" is to develop regional alliances into regions with a clear profile - regional clusters. This can only be achieved when emphasis is placed on top quality from the start of development support onward.

Entrepreneurial Regions, since 1999

- Innovative Regional Growth Cores (German: Innovative regionale Wachstumskerne, since 2001), with GC Potential (German: WK Potenzial, since 2007)
- Centres for Innovation Competence (German: Zentren für Innovationskompetenz, ZIK, since 2002)
- Innovation Forums (German: Innovationsforen, since 2001)
- [InnoProfile](#) (since 2005)
- [ForMaT](#) (since 2007)
- Twenty20 – Partnership for Innovation (German: Zwanzig20 - Partnerschaft für Innovation, since 2012)
- [InnoRegio](#) (1999-2006)
- improve the conditions for innovations and set the course for the long-term success of regions ("clusters") in the New German Länder.

Federal Level

- Germany's 16 federal states have launched numerous measures to support the development of efficient clusters.
- take into account the individual strengths of the regions – across technology, business or innovation – and are also designed around present structures and other features specific to the region.
- The individual measures at federal level provide financial support for
 - cluster management,
 - innovation projects,
 - educational activities and joint public relations initiatives
- Synergy with ESIF / ERDF



Funding measure “Internationalisation of Leading-Edge Clusters

- Three rounds of funding: 2015, 2016 and 2017.
- Selection of about 10 promising German clusters and networks in each round.
- Funding per cluster or network: up to 4 million Euros, split in two phases:
 - Concept development phase (up to 2 years):
 - develop internationalisation concepts,
 - get in contact with international partner innovation regions (with complementary competences)
 - mutually work out project ideas in a bottom-up process.
 - Implementation phase (up to 3 years): Collaborative R & D & I projects with international partners from the partner innovation regions are conducted (international partners need to bring in their own project funding).



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Das Cluster

Das Netzwerk Logistik Leipzig-Halle e.V. wurde 2008 gegründet und vereint ca. 140 Mitgliedsunternehmen und -institutionen. Im Cluster arbeiten Logistik-Dienstleister, -Zulieferer und Verlader aller Größenordnungen und Spezialisierungen, öffentliche Verwaltung, Kammern und Verbände sowie Forschungs- und Bildungseinrichtungen zusammen.

Das Netzwerk versteht sich als das Sprachrohr der regionalen Logistikbranche und der gesamten Logistikregion Leipzig-Halle und artikuliert einerseits die Interessen der Logistikunternehmen gegenüber den Vertretern wirtschaftlichen und politischen Handelns, bietet andererseits aber auch konkrete Beratungs- und Betreuungsleistungen an.

In vier Arbeitsgruppen beschäftigt sich das Cluster mit den Schwerpunkten Logistik-Kooperation, Cluster- und Standortmarketing, Personal sowie Innovation und IT.

Fakten und Zahlen

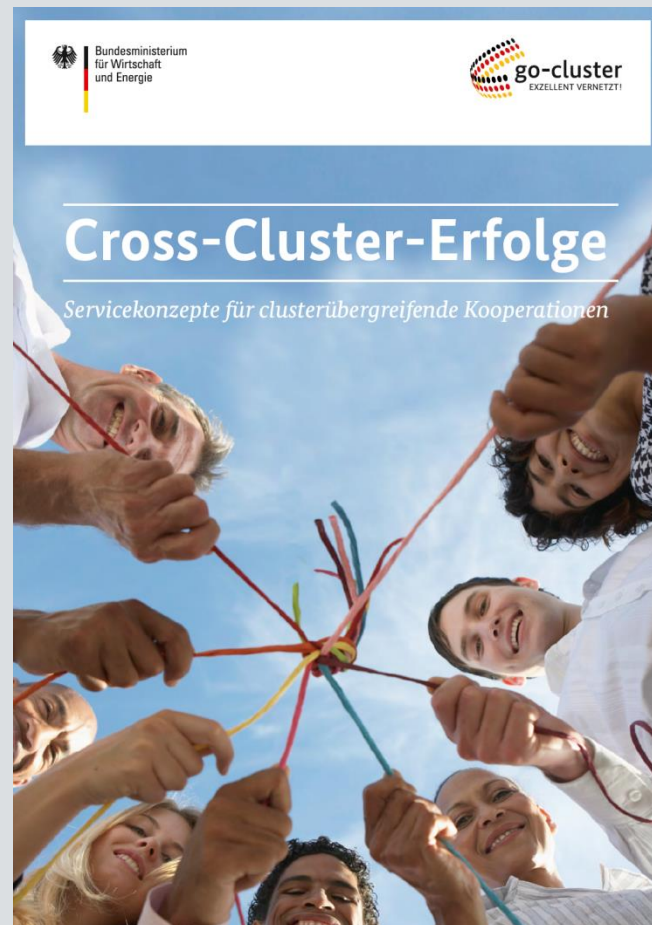
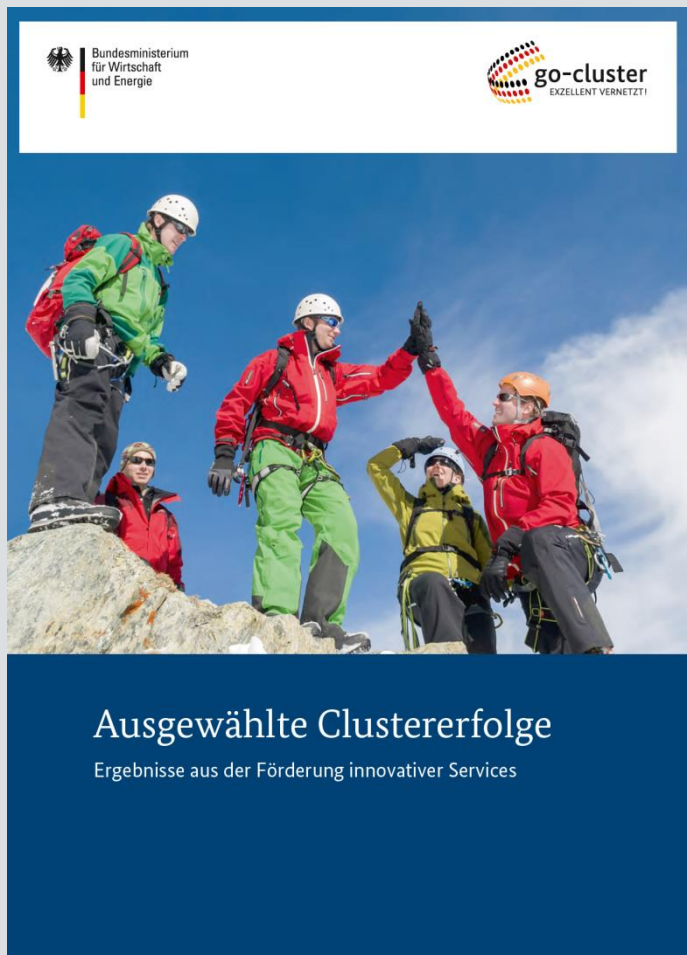
Innovationsfeld: Logistik

Gründungsjahr: 2008

Mitglieder: 140

Name des Clusterservices: Wegbereiter in die Cloud

Further reading



Different cluster »Go Beyond 4.0«

- 3D-printing technology, (additive manufacturing)
- from scientific research laboratories into industrial applications.
- For example,
 - the fabrication of dental crowns or implants
 - printing of aircraft components
 - Fast prototyping

“The huge potential promised by additive manufacturing can only be utilized, if science and industry cooperate”

- Institutes: **ENAS, IFAM, ILT, IOF, ISC, IWU**
- Areas: Construction Engineering, Electrical Engineering, Photonics and Material Science
- FhG financing: 8 million Euro for 3 years

THANK YOU FOR YOUR ATTENTION !

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All NCPs from Associated Countries are eligible for funding within Thematic NCP EU Networks !