

REPORT

- Structures of cooperation in the BSR

SCIENCE LINK

*Mapping of existing
cooperation*



WP 6 SCIENCE LINK as part of the Baltic Science Link Flagship project

6.1 Structures of cooperation in the BSR

CONTENT

| | |
|--|-----------|
| INTRODUCTION | 4 |
| DENMARK | 9 |
| CLUSTERS | 10 |
| INNOVATION INCUBATOR | 13 |
| TECHNOLOGY GROUP | 14 |
| REGIONAL AGENCY | 14 |
| SCIENCE PARK | 15 |
| VENTURA CAPITAL FIRM | 16 |
| ESTONIA | 17 |
| CLUSTERS | 18 |
| RESEARCH ORGANIZATION | 19 |
| REGIONAL AGENCY | 20 |
| NATIONAL MINISTRY | 20 |
| CHAMBER OF COMMERCE | 21 |
| SCIENCE PARK | 22 |
| VENTURA CAPITAL FIRM | 22 |
| FINLAND | 23 |
| CLUSTER | 24 |
| THE STRATEGIC CENTRES FOR SCIENCE, TECHNOLOGY AND INNOVATION | 27 |
| NATIONAL AGENCY | 27 |
| REGIONAL AGENCY | 28 |
| SCIENCE PARKS | 29 |
| VENTURA CAPITAL FIRM | 31 |
| GERMANY | 32 |
| CLUSTER | 33 |
| NATIONAL AGENCY | 42 |
| REGIONAL AGENCY | 43 |
| SCIENCE PARK | 45 |
| VENTURA CAPITAL FIRM | 46 |
| LATVIA | 48 |
| CLUSTERS | 49 |
| NATIONAL AGENCY | 50 |
| SCIENCE PARK | 50 |
| VENTURA CAPITAL FIRM | 51 |

| | |
|------------------------------------|-----------|
| LITHUANIA..... | 52 |
| CLUSTERS | 54 |
| INNOVATION CENTER | 55 |
| BUSINESS VALLEYS | 56 |
| Industrial Parks..... | 57 |
| SCIENCE AND TECHNOLOGY PARKS | 58 |
| RESEARCH INSTITUTES | 58 |
| CHAMBER OF COMMERCE | 59 |
| POLAND..... | 61 |
| CLUSTERS | 62 |
| INNOVATION CENTERS..... | 65 |
| TECHNOLOGY PARKS..... | 66 |
| TECHNOLOGY INCUBATORS..... | 67 |
| TECHNOLOGY TRANSFER CENTRES | 68 |
| CHAMBER OF COMMERCE | 69 |
| VENTURA CAPITAL FIRM | 70 |
| SWEDEN | 72 |
| CLUSTERS | 73 |
| NATIONAL AGENCY | 78 |
| REGIONAL AGENCY | 79 |
| SCIENCE PARKS..... | 81 |
| VENTURA CAPITAL FIRM | 83 |
| SUMMARY | 84 |

INTRODUCTION

The current regional innovation performance in the BSR, as measured by the main research and technological development and innovation indicators used in most analysis and scoreboards, is clearly a reflection of a number of factors including industrial structure (i.e. relative specialisation in lower to high-tech industrial and business service sectors), stage of development, sophistication and quality of education and public and higher education research systems and public investment into these sectors. However, it also reflects ‘institutional’ and ‘cultural’ propensities to co-operation for innovation, risk-taking and entrepreneurial behaviour.

In terms of absolute and even relative levels of investment in R&D and innovation there is a clear north-west / south-east split in the Baltic Sea. In short, the intensity of investment (gross expenditure on R&D as a share of GDP) in Denmark, Finland and Sweden is at three times (or more) the level of the Baltic States and Polish region. Even the two German regions are, from a national perspective, ‘weaker’ regions. Government expenditure on R&D as a percentage of GDP varies between 0.2% (Latvia) and over 1% in Finland and Sweden.

A similar diversity can be identified in terms of industrial structures with the share of employment in high-technology sectors relative to total employment (a standard measure of relative specialisation) ranging from 90.6% in Hovestaden (DK) to 1.15% in Warminsko-Mazurskie (PL). While regional performance is related to overall national performance, there are clear intra-country differences with Danish (Nordjylland, Syddanmark), German (Schleswig-Holstein) and Swedish (Övre Norrland, Norra Mellansverige, Småland med öarna) featuring in the lower half of the ranking) well below respective national averages and the EU27 average of 3.27%. On the other hand, Estonia is close to the EU27 average and Pomorskie has a similar above average position to a number of Nordic regions.

A strategy for innovation for the Baltic Sea region that ignores this diversity of ‘baseline’ situation and which assumes that ‘all partners are equal’ is bound to fail. Using the 2009 regional innovation scoreboard rankings, the Baltic Sea regions can be split into three broad groups:

- Highly innovative with significant strengths in both business innovation and academic R&D: Nordic capital regions and regions with a high tech advanced business or research poles (Gothenburg, Oulu, Turku, etc.). In many of these regions, business strategies are the driving force in innovation funding (accounting for over 60% of investment), while public interventions focus on developing new and emerging platforms.
- Medium-high innovators but with weaker business innovation: Nordic secondary regions (East Finland, northern Sweden, rural parts of Denmark), Schleswig-Holstein and Mecklenburg-Vorpommern, Estonia (latter somewhere in between 2nd and third groups). Investment tends to be driven by a mix of public and higher education sector but with average to above average business performance.
- Low to medium-low innovators driven essentially by public (& higher education) investment: the three Polish regions (with Pomorskie better placed), Latvia and Lithuania.

Hence, these distinctive innovation systems imply a need for different policy ‘mixes’.

For instance, the third type of BSR regions are in an ‘investment phase’ in terms of rebuilding a ‘competitive’ public and higher education research system and of increasing the limited (human and financial) capacity for investing in R&D by businesses that are often concentrated in lower tech sectors.

The more advanced BSR are competing globally and like the medium-high regions are shifting policy attention towards knowledge intensive services, creative industries or new higher tech clusters. Sectors like the creative industries can also be a key driver in even less 'high-tech' countries.

Public policy can intervene directly to support investment in public or higher education research systems or to support the creation (or attraction of inward investors) and development of 'higher-tech' firms, which over time may help to shift regional 'specialisation' towards business activities that generate higher income and employment. However, such processes take time since changing the 'historical' economic structure of a region is not a matter of a few years.

Equally, policy also needs to address system failures explaining 'innovation and entrepreneurial propensities which can often be more challenging. The same remark about the diversity of capabilities and performance applies to the sophistication of policy, to the level of development of clusters, of management of research in higher education, etc.

Finally, even if innovation policy aims to influence business to shift to become more specialised in specific sector (or technologies), the reality of globalised supply chains and trading patterns may undermine such shifts.

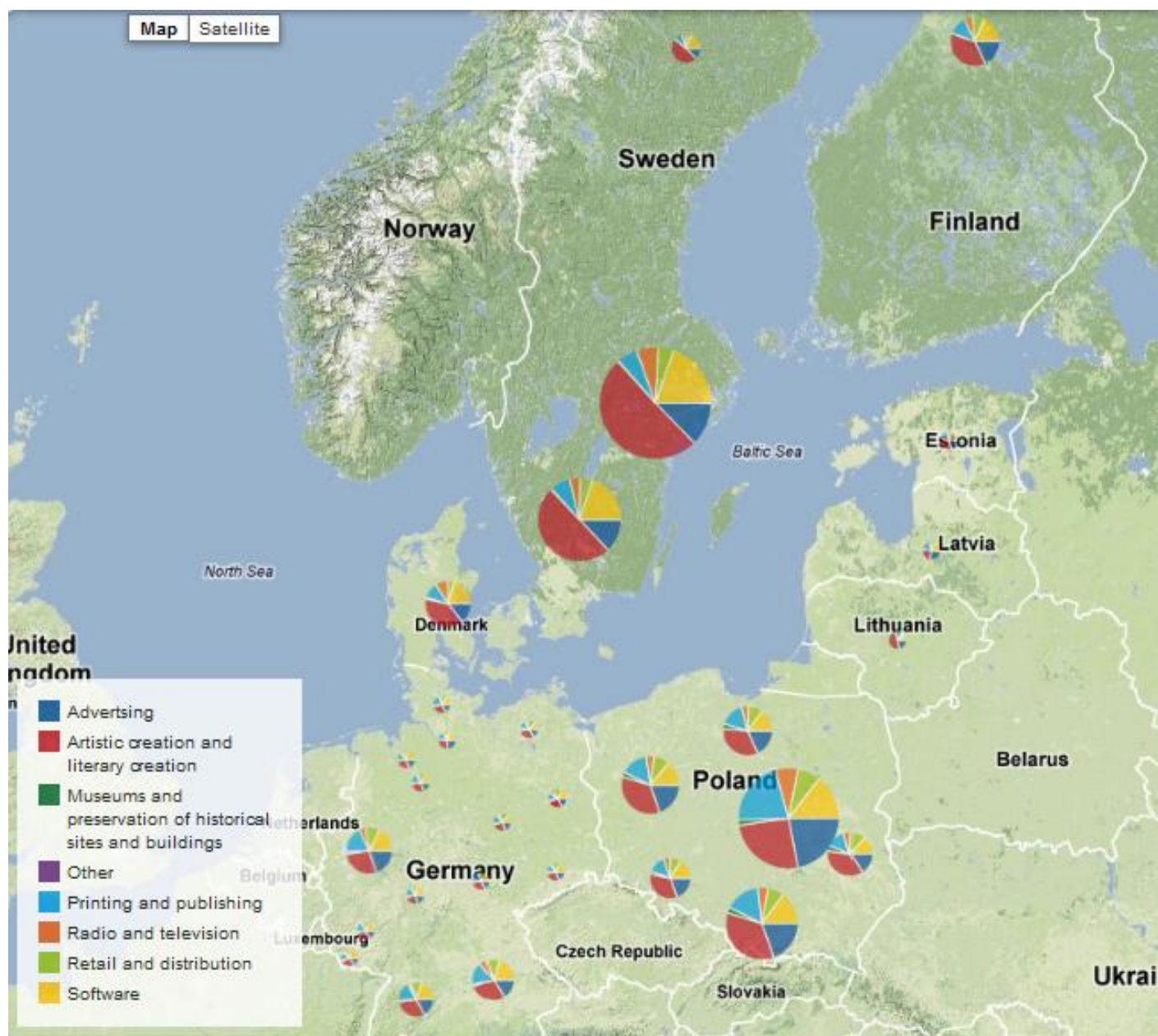
The aim of this study is:

- Presentation of various forms of cooperation between different actors in the Baltic Sea region countries;
- Presentation of the territorial distribution of the various organizations in each of the Baltic Sea region countries;
- Quantify the degree of development of the various forms of engaging in partnerships.

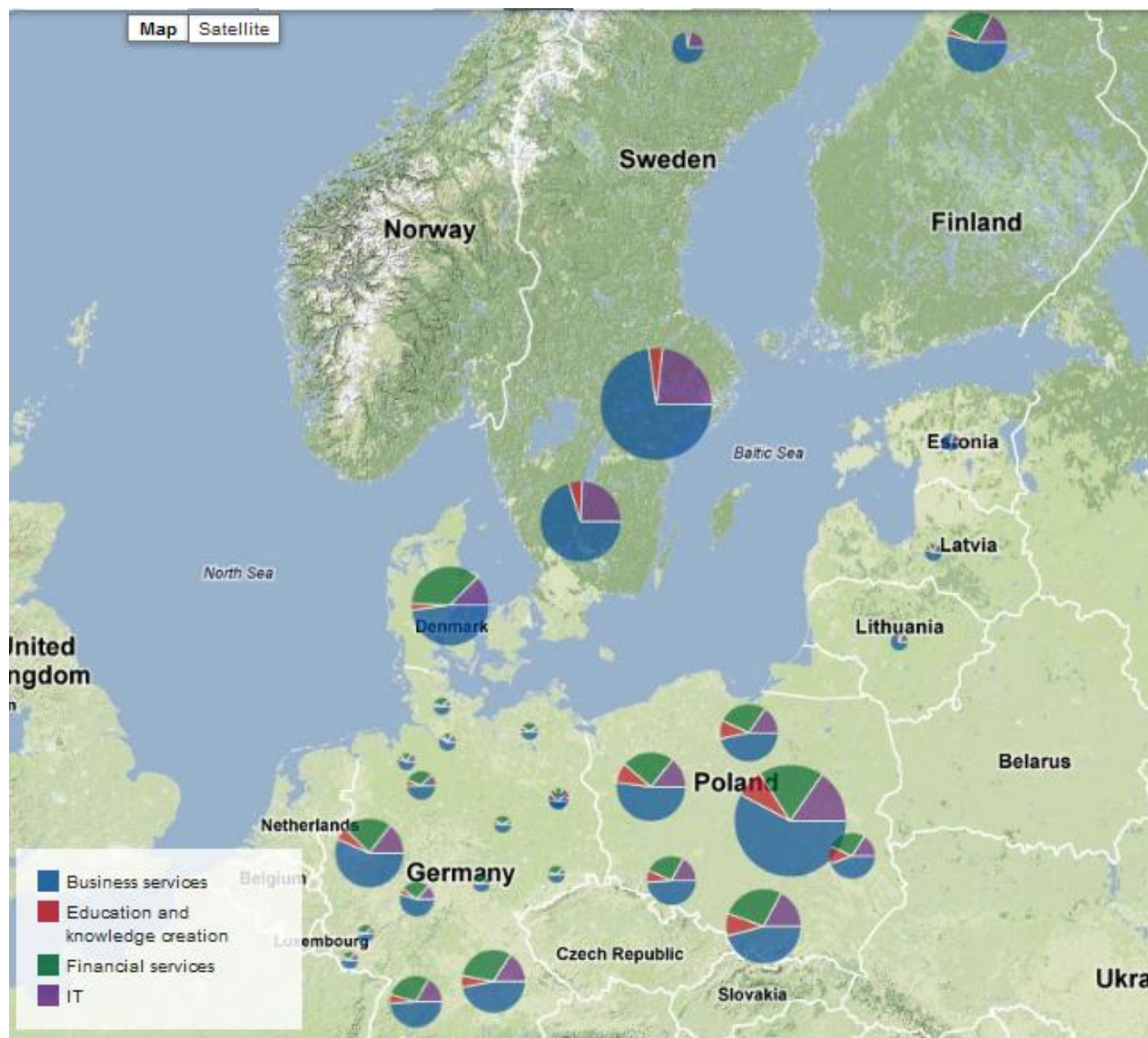
CLUSTER MAPPING

- *INDICATOR: NUMBER OF ENTERPRISES*

SECTOR: CREATIVE AND CULTURAL INDUSTRIES



SECTOR: KNOWLEDGE – INTENSIVE BUSINESS SERVICES



SECTOR: LIFE – SCIENCE CLUSTERS





DENMARK

Denmark reached its R&D intensity target for 2010 already in 2009 with a proportion of public-private R&D intensity well in line with the Barcelona objectives of one third - two thirds. The most recent figures for Denmark on R&D intensity are 3.08% for 2010 (0.98% public + 2.1% private).

Over the period 2000-09, Denmark's R&D intensity has increased clearly, with an average annual growth rate of 8.84% over the period 2006-09, one of the highest growth rates among the EU Member States.

In view of 2020, Denmark has set a preliminary national R&D target of 3% of GDP, which is in fact already achieved. Therefore, Denmark has scope of being more ambitious in its R&D intensity target for 2020, in particular if the country has the ambition to keep its position among the world's research and innovation leaders. Given the trend scenario presented below, Denmark has the potential to reach a level even above 3.5% by 2020.

In 2009 and 2010, new innovation policy measures were introduced in Denmark targeting private R&D investment, including increased public procurement of eco-innovations, support for large demonstration facilities, the launch of the Renewal Fund and a risk capital fund.

CLUSTERS

Below is a list of major clusters in Denmark:

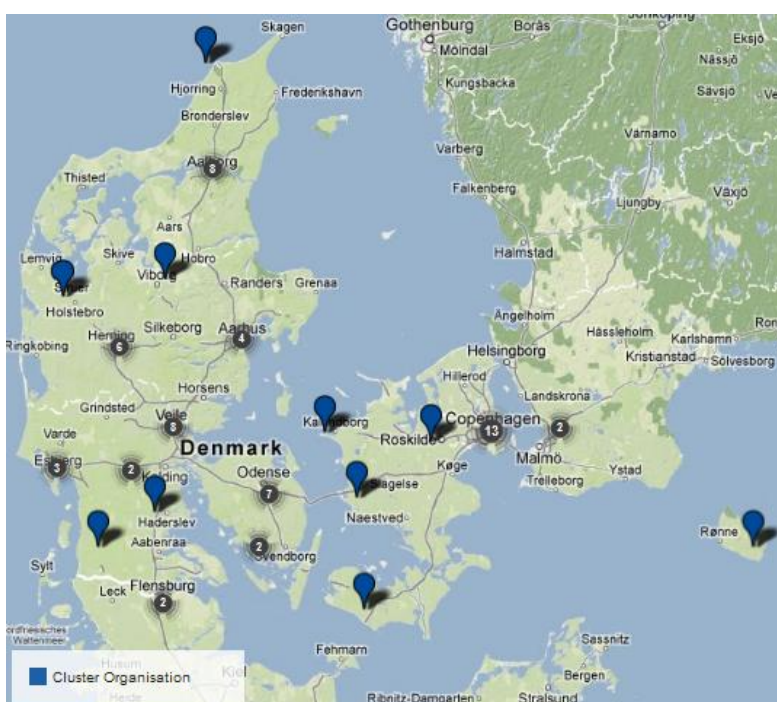
| Name | www | Regions |
|--|--|---------|
| Agro Food Park | www.agrofoodpark.dk | Danmark |
| Alexandra Instituttet | www.alexandra.dk | Danmark |
| AluCluster | www.alucluster.com | Denmark |
| APEX | www.apex-center.dk | Danmark |
| Bio Med Community | www.biomedcom.dk | Danmark |
| Biocenter East Jutland | www.biocenteret.dk | Danmark |
| BioLogue | www.biologue.org | Danmark |
| BioMedico Forum | www.biomedicoforum.dk | Danmark |
| BioTEAMSouth | www.bioteamsouth.dk | Danmark |
| CenSec | www.censec.dk | Danmark |
| Center for Software Defined Radio | www.csdr.dk | Danmark |
| Centre for Sub-Suppliers | www.underlev.dk | Danmark |
| Centre of Health Technology | www.sundtek.hst.aau.dk | Danmark |
| Copenhagen Crossroads | www.crossroadscopenhagen.com | Danmark |
| Cluster-Excellence.eu - Danmark | www.cluster-excellence.eu | Danmark |
| Copenhagen Cleantech Cluster | www.cphcleantech.com | Danmark |
| Copenhagen Finance IT Region | www.cfir.dk | Danmark |
| Cross-Border-Logistics | www.wireg.de/regionalentwicklung... | Danmark |
| Danish Fashion Insitute | www.danishfashioninstitute.dk | Danmark |
| Danish Innovation Centre for Furniture and | www.moebelcenter.dk | Danmark |

| | | |
|---|--|---------|
| Woodworking Industry | | |
| Danish Knowledge Centre of Experience Economy | www.danvifo.dk | Danmark |
| Danish Maritime Authority | www.dma.dk | Danmark |
| Danish University Wind Energy Training | www.duwet.dk | Danmark |
| Developing Fyn (Lean Energy Cluster) | www.odense.dk/WEB3/ufo/Topmenu/N... | Danmark |
| Development Centre Aarslev | www.ucaa.dk | Danmark |
| Danish Food Forum | www.dansihfoodforum.com | Danmark |
| Danish Innovation Centre | www.moebelcenter.dk | Danmark |
| Danish Lighting Innovation Network | www.dansklys.dk | Danmark |
| Danish Wind Industry Association | www.windpower.org | Danmark |
| DDI Fødevarer | www.foedevareer.di.dk | Danmark |
| DI Transport | www.transport.di.dk | Danmark |
| Energiforum Sydjylland | www.energiforumdanmark.dk | Danmark |
| Energy Cluster Fionia | www.udviklingfyn.dk | Danmark |
| Egion | www.egion.dk | Danmark |
| Environment Forum Funen | www.mf-fyn.dk | Danmark |
| Environment Network South | www.milra.dk | Danmark |
| Food Cluster of South Denmark | www.startvaekst.dk | Danmark |
| Flagship Denmark | www.flagskibet.dk | Danmark |
| Foodture | www.foodture.dk | Danmark |
| Gate 21 | gate21.dk | Danmark |
| Green Centre | www.greencenter.dk | Danmark |
| Green Network | www.greennetwork.dk | Danmark |
| Green Network South Jutland | www.gns.dk | Danmark |
| Hydrogen Innovation & Research Centre | www.hirc.dk | Danmark |
| ICT Forum | www.iktforum.dk | Danmark |
| ICT North Denmark | www.brainsbusiness.dk | Danmark |
| Industrial Design Centre | www.id-forum.dk | Danmark |
| Innovation Centre for Bioenergy and Environmental Technology | www.cbmi.dk | Danmark |
| Innovation Network AluCluster | www.alucluster.com | Danmark |
| Innovation Network for Biomass | www.inbiom.dk | Danmark |
| Innovation Network for Biotech – Biopeople | www.biopeople.dk | Danmark |
| Innovation Network for Environmental Technology | www.inno-mt.dk | Danmark |
| Innovation Network for knowledge-based experience economy – InViO | www.invio-net.dk | Danmark |
| Innovation Network for Renewable Energy VE-Net | www.ve-net.eu | Danmark |
| Innovation Network for the Food Sector – FoodNetwork | www.foodnetwork.dk | Danmark |

| | | |
|--|--|---------|
| Innovation Network for Water National Partnership for Water in Urban Areas - | www.vandibyer.dk | Danmark |
| Innovation Network InnoBYG | www.innobyg.dk | Danmark |
| Innovation Network No Age | www.lvvl.dk | Danmark |
| Innovation Network Offshore Center | www.offshorecenter.dk | Danmark |
| Innovation Network UNIC | www.partnerskabetunik.dk | Danmark |
| IT City Katrinebjerg | www.katrinebjerg.net | Danmark |
| IT Forum Trekantområdet | www.itft.dk | Danmark |
| IT Growth House 5th | www.5te.dk | Danmark |
| Key2Green | www.key2green.dk | Danmark |
| Knowledge Centre for Food Development | www.vifu.net | Danmark |
| Knowledge Centre for Tourism and Experience Economy | www.videncentervto.dk | Danmark |
| Knowledge Lab | www.knowledgelab.dk | Danmark |
| Lean Energy Cluster | www.leanenergy.dk | Danmark |
| Maritime Development Center of Europe | www.maritimecenter.dk | Danmark |
| Medicon Valley Alliance | www.mva.org/?gclid=CMSO5daMu54CF.. | Denmark |
| Movie Funen | www.filmfyn.dk | Danmark |
| Musicon Valley Denmark | www.musiconvalley.dk | Danmark |
| Nano Øresund | www.nano-oresund.org | Denmark |
| NorCOM | www.norcom.dk | Danmark |
| Offshore Center Denmark | www.offshorecenter.dk | Danmark |
| Øresund Environment Academy | www.oresund-environment.org | Danmark |
| Øresund Food Network | www.oresundfood.org | Danmark |
| Øresund Science Region | www.oresundscienceregion.org | Danmark |
| Plastic Centre Denmark | www.plastcenter.dk | Danmark |
| Plastic and Polymer Innovation Network | www.plastnet.dk | Danmark |
| ProjectZero | www.projectzero.dk | Danmark |
| REG X | www.regx.dk | Danmark |
| RoboCluster | www.robocluster.dk | Danmark |
| ScanBalt | www.scanbalt.org | Danmark |
| Seedland | www.froevaekst.dk | Danmark |
| Sport Study South Funen | www.sport-study-sydfyn.dk | Danmark |
| Steel Centre | www.staalcentrum.dk | Danmark |
| TCM Denmark | www.tcmdenmark.dk | Danmark |
| Teko | www.teko.dk | Danmark |
| The Danish ICT Innovation Network – Infnit | www.infnit.dk | Danmark |
| The Danish Transport Academy | www.transportakademi.dk | Danmark |
| The industrial symbiosis of Kalundborg | www.symbiosis.dk | Danmark |

| | | |
|----------------------------------|--|---------|
| The Interactive House | www.producentforeningen.dk/sw135... | Danmark |
| The Maritime Growth Centre | www.fiskeviden.dk | Danmark |
| The Transport Innovation Network | www.tinv.dk | Danmark |
| Trekantområdet Transport Forum | www.transportforum.dk | Danmark |
| Væksthus Southern Denmark | www.startvaekst.dk | Danmark |

Map of a clusters in Denmark



INNOVATION INCUBATOR

Six regional incubators provide professional counselling, pre-seed and seed capital for entrepreneurs and new innovative enterprises. The innovation incubators operate at the earliest stage of the investment chain, where venture capitalists and other private investors are reluctant to engage.

The innovative incubators can engage financially three successive stages:

1) Pre-investigation

A preliminary analysis and evaluation of the technological perspectives and commercial potential of the project (due diligence).

2) Primary project funding

Pre-seed funding for the initial capital injection and early stage development activities in the start-up.

3) Secondary project funding

Seed funding for further development activities.

Innovation incubators:

- CAT Innovation
- DTU-Symbion Innovation
- InnovationMidtVest
- NOVI Innovation A/S
- Syddansk Teknologisk Innovation A/S
- Østjysk Innovation A/S

TECHNOLOGY GROUP

GTS – Advanced Technology Group is a network consisting of nine independent Danish research and technology organisations – the GTS institutes. The GTS institutes each have their individual profile, which varies according to size, turnover, research intensity, sector vs. technological focus (broad or deep) and historical origin.

The main function of the network is to disseminate new knowledge and technology to companies and public institutions in order to support innovation and development. The institutes develop and offer state-of-the-art technological services within respective specialist fields. Customers are private businesses as well as public authorities on national and international levels. The GTS institutes also constitute the core of the technological infrastructure in Denmark, e.g. testing facilities, certification and approval activities.

GTS organisation:

1. AgroTech
2. Alexandra Institute
3. Bioneer
4. DBI - Danish Institute of Fire and Security Technology
5. DELTA - Danish Electronics, Light & Acoustics
6. DFM - Danish Institute of Fundamental Metrology
7. DHI
8. FORCE Technology
9. Danish Technological Institute

REGIONAL AGENCY

| Name | www | Regions |
|--|--|--|
| Region Nordjylland | www.rn.dk | Region Nordjylland |
| The Region of Southern Denmark | www.regionsyddanmark.dk/wm228983 | The Region of Southern Denmark |
| Region Midtjyllands | www.regionmidtjylland.dk | Region Midtjyllands |
| Region Hovedstaden | www.regionh.dk/menu | Region Hovedstaden |
| Vækstforum Sjælland | www.vfsj.dk/Sider/Default.aspx | Vækstforum Sjælland |
| Business Development Centre Herning & Ikast-Brande | www.eu-center.dk | Business Development Centre Herning & Ikast-Brande |

| | | |
|--|--|--|
| Næstved-Egnens Udviklingsselskab A/S | www.naestved-erhverv.dk | Næstved-Egnens Udviklingsselskab A/S |
| Copenhagen Capacity | www.copcap.com | Copenhagen Capacity |
| Region Sjælland | www.regionsjaelland.dk/Sider/Def... | Region Sjælland |
| Aalborg Municipality / North Denmark EU-Office | www.aalborg.dk | Aalborg Municipality / North Denmark EU-Office |

Map of a regional agency in Denmark



SCIENCE PARK

| Name | www | Regions |
|--------------------------|--|---------|
| INCUBA Science Park Ltd. | www.incuba-sp.dk | Danmark |
| NOVI Science Park | www.novi.dk | Danmark |
| Scion-DTU a/s | www.sciondtu.dk | Danmark |
| Symbion Science Park | www.symbion.dk | Danmark |
| Agro Business Park | www.agropark.dk | Danmark |

Map of a science parks in Denmark



VENTURA CAPITAL FIRM

| Name | www | Regions |
|-------------------------|--|---------|
| Dania Capital Advisors | www.daniacapital.dk | Danmark |
| Industri Udvikling A/S | www.industriudvikling.dk | Danmark |
| Inventure Capital A/S | www.inventurecapital.dk | Danmark |
| Polaris Private Equity | www.polarisequity.dk | Danmark |
| Sunstone Capital | www.sunstonecapital.com | Danmark |
| Nordic Venture Partners | www.nordic.com | Danmark |

Map of a ventura capital firms in Denmark





ESTONIA

In the last decade, R&D intensity in Estonia increased from 0.60% of GDP in 2000 to 1.42% in 2009, i.e. an impressive annual average growth rate above 10%. It is to be noted that the latest increase in R&D intensity from 2008 to 2009 is mainly due to a crises-related drop in GDP whereas nominal R&D expenditure increased only slightly.

The R&D target for 2020 has been set to 3%. This is ambitious, but realistic in the case business R&D grows significantly. The target is supported e.g. by a political commitment to R&I, relatively sound public finances and temporary support provided by frontloaded (R&I focused) Structural funds and by continuous efforts to create competitive framework conditions for businesses.

In 2009, the share of private sector expenditure in Estonian general expenditure was 45%. In 2009, the share of state and non-profit sector in R&D funding was 49.5% and business sector funding was 39.2%. As the investment environment has deteriorated due to the economic crisis, it is increasingly important for the public sector to support and facilitate R&D investments of enterprises.

According to the Community Innovation Survey (CIS) 2006-08, cooperation between universities, public R&D institutions and the business sector in Estonia remains low. Academic research has no practical applicability in the Estonian business market. Moreover, the current structure of the Estonian economy discourages private/public partnerships. In addition, universities are the holders of any collaborative R&D grants. Consequently, entrepreneurs do not always perceive themselves as “owners” of the process. This leads to a certain “sciencepush” bias.

Nevertheless, the research climate seems to be undergoing radical changes. Researchers are increasingly considered as “experts/consultants” by large companies (rather than SMEs) which turn to universities as cooperation partners in the innovation processes.

The Estonian Government is in the process of increasing the acquisition of knowledge with application value in universities and R&D institutions, and simultaneously increasing the private sector’s demand for R&D.

CLUSTERS

Below is a list of major clusters in Estonia:

| Name | www | Regions |
|--|--|------------------------|
| Competence Centre for Cancer Research | www.vtak.ee | Eesti |
| Competence Centre of Electronics and ICT | http://www.eliko.ee/ | Estonia; Eesti |
| City Of Paldiski Entrepreneurs Clusters | www.investinpaldiski.ee | Paldiski linn -Estonia |
| Estonian Biotechnology | www.biotech.ee | Eesti |
| Estonian HealthTech Cluster | www.htcluster.eu | Estonia |
| Estonian ICT Demo Center | www.demoestonia.eu | Eesti |
| Estonian Wooden Houses Cluster - | www.woodhouse.ee | Tartu -Estonia |
| Estonian Logistics Cluster | www.transit.ee/estonian-logistics-cluster | Tallinn-Estonia |
| Estonian ICT Cluster | www.itl.ee | Tallinn-Estonia |

| | | |
|----------------------------------|--|-----------------|
| Estonian Boatyards Cluster | www.smallcraft.ee | Tallinn-Estonia |
| SolarBase | www.SOLARBASE.EE | Eesti; Estonia |
| Tallinn Media Cluster | tmc.tlu.ee | Eesti |
| Wind Power Cluster | www.estonianwindcluster.eu | Tallinn-Estonia |
| Wind Power Cluster | www.tuuleenergia.ee | Tallinn-Estonia |
| Wood building cluster of Estonia | www.estoniantimber.ee | Eesti |

Map of a clusters in Estonia



RESEARCH ORGANIZATION

| Name | www | Regions |
|----------------------------------|--|---------|
| PRAXIS Center for Policy Studies | www.praxis.ee | Eesti |

Map of a research organization in Estonia



REGIONAL AGENCY

| Name | www | Regions |
|----------------------------------|--|---------|
| Narva Business Advisory Services | www.nbas.ee/mm/eng | Eesti |

Map of a regional agency in Estonia



NATIONAL MINISTRY

| Name | www | Regions |
|---|--|---------|
| Estonian Development Fund | www.arengufond.ee/eng | Eesti |
| Estonian Investment & Trade Agency | www.investinestonia.com | Eesti |
| Ministry of Economic Affairs and Communications | www.mkm.ee | Eesti |
| Ministry of Education and Research | www.hm.ee/index.php?1 | Eesti |
| Ministry of Finance | www.fin.ee/?lang=en | Eesti |

Map of a national ministry in Estonia



CHAMBER OF COMMERCE

| Name | www | Regions |
|--|--|---------|
| Estonian Chamber of Commerce and Industry (ECCI) | www.koda.ee | Eesti |

Map of a chamber of commerce in Estonia



SCIENCE PARK

| Name | www | Regions |
|------------------------------------|--|---------|
| Tartu Science Park | www.teaduspark.ee | Eesti |
| Tehnopol - Tallinn Technology Park | www.tehnopol.ee | Eesti |
| Tartu Biotechnology Park | www.biopark.ee | Eesti |

Map of a science parks in Estonia



VENTURA CAPITAL FIRM

| Name | www | Regions |
|---------|--|---------|
| BaltCap | www.baltcap.com | Eesti |

Map of a ventura capital firms in Estonia





FINLAND

R&D intensity in 2009 rose to 3.93%, very close to the 4% target, and confirmed once again the front leading position of Finland in terms of R&D investments. Public R&D in 2009 increased up to 1.11% and somehow compensated for the slight decrease of private R&D that resulted after the financial and economic downturn of the last couple of years. Nevertheless, private R&D still remains strong in the country at 2.79%.

The R&D target for 2020 has been set at 4%, a value very close to the existing R&D intensity. While the continuation of the recent R&D growth trend would suggest the possibility of a more ambitious target, it should be noted that Finland faces a structural and acute challenge to raise further R&D investment, as a great part of private sector investment is concentrated in one sector, i.e. ICT, and around one company, Nokia.

A widely shared view in Finland is that investing in R&I is necessary for competitiveness and productivity growth, and consequently a general commitment to moderately increase public R&D funding is expected in the future. This could be combined with efforts to further improve framework conditions for fast growing innovative firms, also beyond ICT, in emerging user driven sectors including in services, in order to help the diversification of the economy building on the strong knowledge base assets of Finland.

The recent review for 2011-2015 Research and Innovation policy guidelines of the Prime Minister led Research and Innovation Council raised the public funding, while ensuring the effectiveness of the public investments and a simplification of the R&I system.

CLUSTER

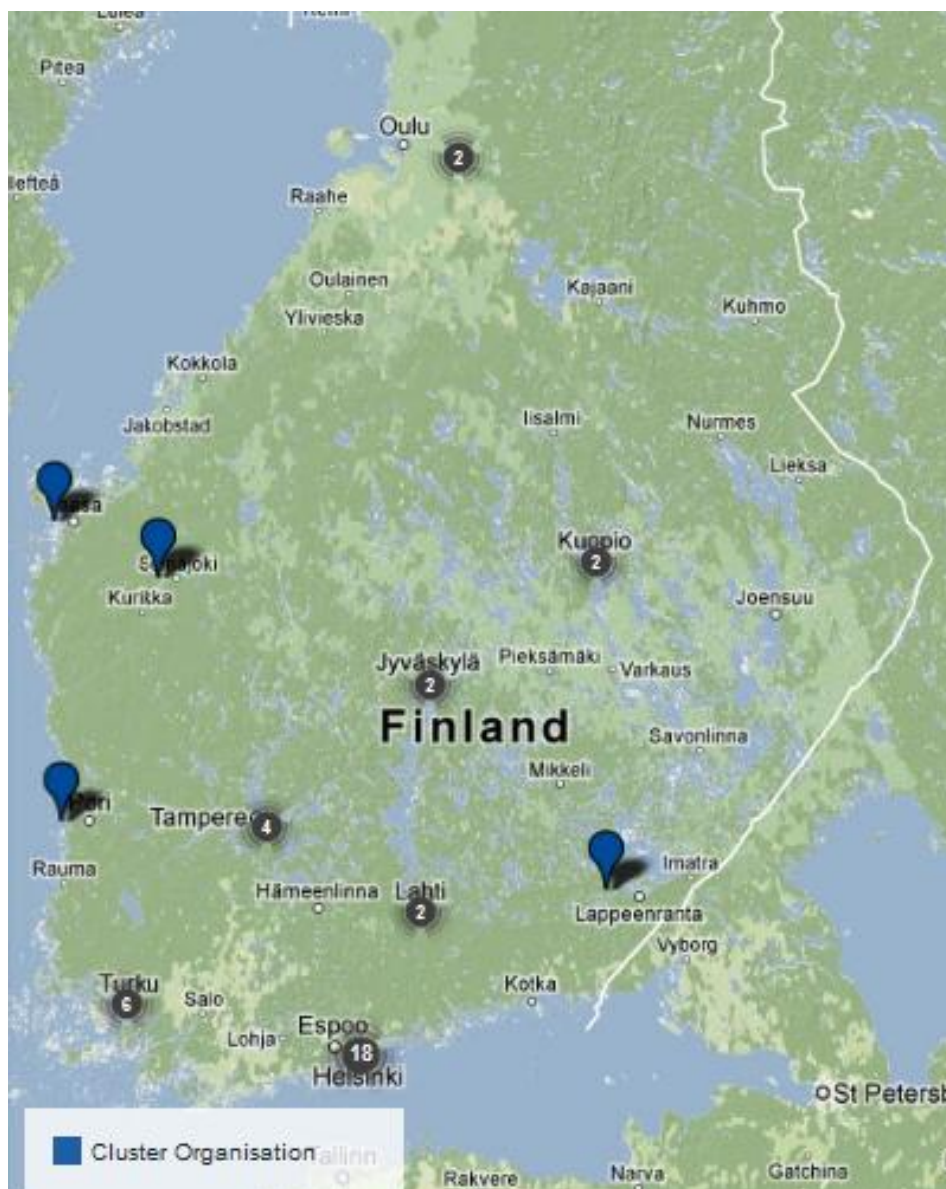
Below is a list of major clusters in Finland:

| Name | www | Regions |
|--|--|----------------------------|
| Airport Cluster Finland | www.airportcluster.fi | Finland; Etelä-Suomi/Åland |
| Association of Finnish Maritime Industries | www.meriliitto.fi | Finland; Etelä-Suomi/Åland |
| Cleantech Cluster | www.cleantechcluster.fi | Etelä-Suomi/Åland |
| ClimBus | www.tekes.fi/climbus | Etelä-Suomi/Åland |
| DENSY | www.tekes.fi/densy | Etelä-Suomi/Åland |
| EduCluster Finland | www.educlusterfinland.com | Länsi-Suomi |
| Embedded Systems | www.tekes.fi/ubicom | Etelä-Suomi/Åland |
| Farma | www.farma.fi | Etelä-Suomi/Åland |
| Finn-Medi Research | www.finnmediresearch.com | Länsi-Suomi |
| FinNano | www.tekes.fi/finnano | Etelä-Suomi/Åland |
| FIMECC Ltd – Finnish Metals and Engineering Competence Cluster | www.fimecc.com | Länsi-Suomi |
| Finnish Bioeconomy Cluster FIBIC Oy | www.fibic.fi | Länsi-Suomi |

| | | |
|---|--|-------------------|
| Finnish Cleantech Cluster | www.cleantechcluster.fi | Länsi-Suomi |
| Food Processing Development Cluster | www.culminatum.fi/sivu.php | Länsi-Suomi |
| Foodwest | www.foodwest.fi | Länsi-Suomi |
| GIGA | www.tekes.fi/giga | Etelä-Suomi/Åland |
| HealthBIO | www.healthbio.fi | Etelä-Suomi/Åland |
| Helsinki Region Centre of Expertise | www.culminatum.fi | Etelä-Suomi/Åland |
| ICT Turku | http://www.turkusciencepark.com/... | Etelä-Suomi/Åland |
| IMTEC | www.imtec.net | Etelä-Suomi/Åland |
| Intelligent Machines | www.hermia.fi/in_english/centre_... | Länsi-Suomi |
| Koneteknologiakeskus | www.koneteknologiakeskus.fi | Etelä-Suomi/Åland |
| Lappeenranta Innovation | www.lprinno.fi | Etelä-Suomi/Åland |
| Living Business | www.livingbusiness.fi | Etelä-Suomi/Åland |
| Logicity | www.logicity.fi | Etelä-Suomi/Åland |
| Merinova Energy Technology & Economy | www.merinova.fi | Länsi-Suomi |
| Micropolis | www.micropolis.fi | Pohjois-Suomi |
| Ministry of Employment and Economy | www.tem.fi/?l=en | Etelä-Suomi/Åland |
| NewPro | www.tekes.fi | Etelä-Suomi/Åland |
| Nordite | www.tekes.fi/nordite | Etelä-Suomi/Åland |
| Oulu Region Centre of Expertise / Oulu Innovation Ltd. / Inves... | www.ouluinnovation.com | Pohjois-Suomi |
| OSKE Food Cluster Programme | www.oske.net | Länsi-Suomi |
| PrizzTech Materials Technology | www.prizz.fi/sivu.asp?taso=1&id=64 | Länsi-Suomi |
| Päijät-Häme Grain Cluster | www.viljaklusteri.fi | Etelä-Suomi/Åland |
| Sara | www.tekes.fi/sara | Etelä-Suomi/Åland |
| Serve | www.tekes.fi/serve | Etelä-Suomi/Åland |
| SymBio | www.tekes.fi/symbio | Etelä-Suomi/Åland |
| Tampere Region Centre of Expertise | www.oske.net | Länsi-Suomi |
| Technology Centre Teknia | www.teknia.fi | Itä-Suomi |
| Teknia Agrobiotechnology | www.teknia.fi | Itä-Suomi |

| | | |
|--|--|-------------------|
| The Nanotechnology Cluster Programme | www.nanocluster.fi | Länsi-Suomi |
| The TRIO Programme | www.teknologiateollisuus.fi/inde... | Etelä-Suomi/Åland |
| Tourism and Experience Management Competence Cluster | www.oske.net/osaamisklusterit/ma... | Etelä-Suomi/Åland |
| Turku Touring | www.turkutouring.fi | Etelä-Suomi/Åland |
| Ubiquitous Computing Cluster Programme | www.ubi.fi | Länsi-Suomi |
| VAMOS | www.tekes.fi/vamos | Etelä-Suomi/Åland |
| Vasa Energy Cluster | www.merinoa.fi | Länsi-Suomi |

Map of a clusters in Finland



THE STRATEGIC CENTRES FOR SCIENCE, TECHNOLOGY AND INNOVATION

The Strategic Centres for Science, Technology and Innovation established in Finland are new public-private partnerships for speeding up innovation processes. Their main goal is to thoroughly renew industry clusters and to create radical innovations.

Centres (SHOK in Finnish) develop and apply new methods for cooperation, co-creation and interaction. International cooperation also plays a key role in the operation of the Strategic Centres. Testing and piloting environments and ecosystems constitute an essential part of the Strategic Centres' operations.

In Strategic Centres, companies and research units work in close cooperation, carrying out research that has been jointly defined in the strategic research agenda of each Centre. The research aims to meet the needs of Finnish industry and society within a five-to-ten-year period.

Six centres are in operation

- Energy and the environment: CLEEN Ltd
- Bioeconomy: Finnish Bioeconomy Cluster FIBIC Oy
- Metal products and mechanical engineering: FIMECC Ltd
- Built environment innovations: RYM Ltd
- Health and well-being: SalWe Ltd
- Information and communication industry: Tieto- ja viestintäteollisuuden tutkimus TIVIT Oy

NATIONAL AGENCY

| Name | www | Regions |
|--|--|-------------------|
| Academy of Finland | www.aka.fi/en-gb/A | Etelä-Suomi/Åland |
| Confederation of Finnish Industries EK | www.ek.fi/www/en/index.php | Etelä-Suomi/Åland |
| Invest in Finland | www.investinfinland.fi | Etelä-Suomi/Åland |
| Sitra | www.sitra.fi/en | Etelä-Suomi/Åland |
| Tekes | www.tekes.fi/en/community/Home/3... | Etelä-Suomi/Åland |
| Technopolis Ventures Oy | www.technopolis.fi | Etelä-Suomi/Åland |
| Motiva Oy | www.motiva.fi | Etelä-Suomi/Åland |

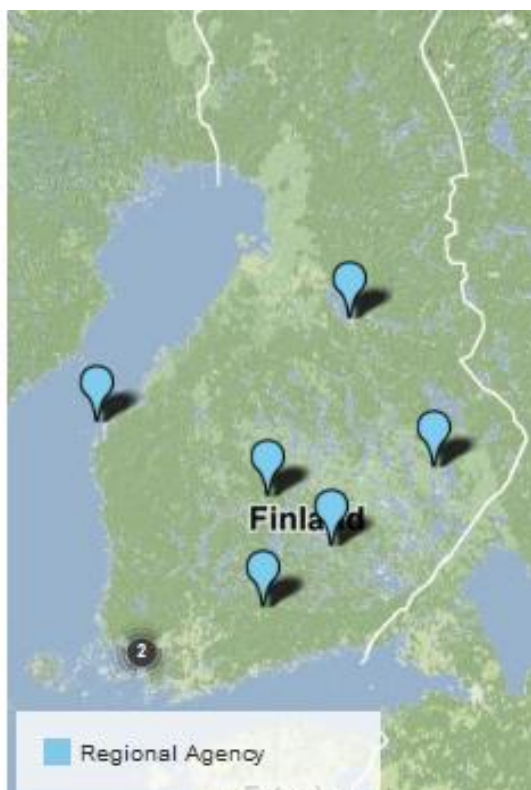
Map of a national agency in Finland



REGIONAL AGENCY

| Name | www | Regions |
|---|--|---------------------|
| Joensuu Regional Development Company Josek Ltd. | www.josek.fi/eng | Itä-Suomi |
| Employment and Economic Development Centre for Ostrobothnia | www.te-keskus.fi/Public/?nodeid=... | Länsi-Suomi |
| ELY Centre for Southwestern Finland | www.ely-keskus.fi | Etelä-Suomi/Åland |
| Lahti Regional Development Company LAKES Ltd. | www.lakes.fi/english | Etelä-Suomi/Åland |
| Jyväskylä Regional Development Company Jykes Ltd. | www.jykes.fi | Länsi-Suomi |
| Kainuun ETU oy | www.kainuunetu.fi/en/dd75c163-ce... | Itä-Suomi |
| Turku Region Development Center | www.turku.fi/public/default.aspx... | Etelä-Suomi/Åland |
| Regional Council of Etelä-Savo | esavo.fi/council | Itä-Suomi |
| East Finland EU Office | www.eastfinland.org/eastfinland/... | Itä-Suomi; Brussels |

Map of a regional agency in Finland



SCIENCE PARKS

| Name | www | Regions |
|---|--|-------------------|
| Bothnian Arc Region Centre of Expertise | www.steelpolis.com | Pohjois-Suomi |
| Hyvinkää–Riihimäki Region Centre of Expertise | www.techvilla.fi | Etelä-Suomi/Åland |
| InnoPraxis International Ltd. | www.innopraxis.fi | Etelä-Suomi/Åland |
| IQlink Ky | www.iqlink.fi | Itä-Suomi |
| Jyväskylä Region Centre of Expertise | www.jklinnovation.fi | Länsi-Suomi |
| Kainuu Centre of Expertise | www.measurepolis.fi | Itä-Suomi |
| Kokkola Region Centre of Expertise | www.ketek.fi | Pohjois-Suomi |
| Kouvola Region Centre of Expertise | www.excen.net | Etelä-Suomi/Åland |
| Kuopio Innovation Ltd. | www.kuopioinnovation.fi | Itä-Suomi |
| Lahti Region Centre of Expertise | www.lahtisbp.fi | Etelä-Suomi/Åland |

| | | |
|---|--|-------------------|
| Lapland Centre of Expertise | www.elamystuotanto.org | Pohjois-Suomi |
| Mikkeli Region Centre of Expertise | www.miktech.fi | Itä-Suomi |
| North Karelia Centre of Expertise | www.carelian.fi | Itä-Suomi |
| Oy Karostech Ltd | www.globaloasis.fi | Itä-Suomi |
| Satakunta Centre of Expertise | www.prizz.fi | Länsi-Suomi |
| Savonlinna Region Centre of Expertise | www.innovaatiokeskus.com | Itä-Suomi |
| Snowpolis Oy | www.snowpolis.com | Itä-Suomi |
| Technology Centre Innopark Ltd | www.innopark.fi | Etelä-Suomi/Åland |
| Technology Centre Logistia | www.logistia.fi | Länsi-Suomi |
| Technopolis Plc. | www.technopolis.fi | Pohjois-Suomi |
| TEKEL- Finnish Science Park Association | www.tekel.fi | Etelä-Suomi/Åland |
| Turku Science Park | www.turkusciencepark.com | Etelä-Suomi/Åland |
| Western Finland Centre of Expertise | www.merinoa.fi | Länsi-Suomi |

Map of a science parks in Finland



VENTURA CAPITAL FIRM

| Name | www | Regions |
|-----------------------------------|--|-------------------|
| Ahlström Capital Oy | www.ahlstromcapital.com | Etelä-Suomi/Åland |
| Amanda Capital PLC | www.amandacapital.fi | Etelä-Suomi/Åland |
| Conor Venture Partners Oy | www.conor.vc | Etelä-Suomi/Åland |
| Eqvitec Partners Oy | www.eqvitec.com | Etelä-Suomi/Åland |
| Inventure Oy | www.inventure.fi | Etelä-Suomi/Åland |
| Nexit Ventures Oy | www.nexitventures.com | Etelä-Suomi/Åland |
| Nordic Growth | www.nordicgrowth.com | Etelä-Suomi/Åland |
| Nordic Mezzanine Advisers Limited | www.nordicmezzanine.com | Etelä-Suomi/Åland |
| Profita Management Oy | www.profitagroup.fi | Etelä-Suomi/Åland |

Map of a ventura capital firms in Finland





GERMANY

In the last decade, R&D intensity grew in Germany above the EU average, passing from 2.47% in 2000 to 2.69% in 2008 and 2.82% in 2010. The agreement reached between the Federal Government and the *Länder* in 2009 to increase the public budget for R&D and higher education, as well as the initiative of the Federal Government to increase spending on education and research by EUR 12 billion between 2010 and 2013 are likely to allow Germany to reach the 3% target in the next years.

Universities, non-university research institutions (particularly FhG) and the private sector in Germany are closely interlinked, particularly in the field of engineering. For example, the Fraunhofer Society supports application-based research in cooperation with the private sector. Students are offered the possibility of pursuing a PhD in applied research in close collaboration with industry. The number of PhD degrees supported by the Fraunhofer Society was 941 in 2005 and doubled by 2010. Since mid-2009, the Fraunhofer Society has been organising “PhD camps” at different locations in Germany. Organised as workshops, PhD camps offer PhD students information and support on “science-based start-ups” and “careers for PhDs”.

In addition, in order to be appointed to a professorship in engineering at a university or a professorship in any subject at a university of applied sciences, applicants need to have gained professional experience outside of academia. A high level of third-party funding raised by universities from the private sector is another indicator for a strong link between business and academic research in Germany.

CLUSTER

Below is a list of major clusters in Germany:

| Name | www | Regions |
|--|--|-------------------------------------|
| AEN | www.ae-network.de | Karlsruhe |
| AFBW - Alliance Fibre Based Materials | | Stuttgart |
| AKM | www.akm-aachen.de | Köln |
| Aktiv in der Natur | www.aktiv-in-der-natur.de | Brandenburg; Brandenburg |
| AMZ | www.amz-sachsen.de | Chemnitz |
| Automobil-Zulieferinitiative Rheinland-Pfalz | www.auto-rlp.de | Rheinland-Pfalz |
| Automotive BerlinBrandenburg | www.ac-bb.de | Berlin; Brandenburg; Brandenburg |
| Automotive Cluster in Eastern Germany | www.acod.de | Brandenburg |
| Automotive Saarland | www.automotive.saarland.de | Saarland |
| Automotive Thüringen | www.automotive-supplier-thuringi... | Thüringen |
| Aviation Cluster Metropolitan Region Hamburg | www.hamburg-aviation.com | Hamburg; Germany |

| | | |
|--|--|--|
| Baden-Württemberg: Connected | www.bwcon.de | Tübingen; Karlsruhe; Stuttgart |
| BAIKA | www.baika.de | Mittelfranken |
| BalticNet-PlasmaTec | www.balticnet-plasmatec.org | Baltic Sea Region; Mecklenburg-V... |
| bavAIRia | www.bavairia.net | Oberbayern |
| Bayerisches Laserzentrum | www.blz.org | Mittelfranken |
| Bayern Photonics | www.bayern-photonics.de | Oberbayern |
| Berlin Brandenburg Aerospace Alliance | www.bbba.de Via web form. | Brandenburg |
| BICC-NET | www.bicc-net.de | Oberbayern; Unterfranken |
| Bio City Leipzig | www.bio-city-leipzig.de | Leipzig |
| Bio-Tech Region München | www.bio-m.de | Oberbayern |
| Bio-Tech-Region-Ostwestfalen-Lippe | www.bio-owl.de | Detmold |
| BioCon Valley | www.bcv.org | Mecklenburg- Vorpommern |
| BioHyTec Biohybrid Technologies – Potsdam | www.biohytec.de | Brandenburg |
| Biokom Saarland | www.biokom.saarland.de | Saarland |
| Biokraftstoffe Brandenburg-Berlin | www.biokraftstoffe-brandenburg.de | Berlin; Brandenburg; Brandenburg |
| BioMed/ZmK Würzburg | www.wuerzburg.de/biomed/ | Unterfranken |
| BIOPRO Baden-Württemberg | www.bio-pro.de | Stuttgart |
| BioProfil Funktionelle Genomanalyse | www.bioregion.de | Niedersachsen |
| BioRegio Jena | www.bioinstrumente-jena.de | Thüringen |
| Bioregio Regensburg | www.bioregio-regensburg.de | Oberpfalz |
| BioRegio STERN Management | www.bioregio-stern.de | Stuttgart |
| BioResponse – Lipten | bioresponse.de | Brandenburg |
| BioRiver | www.bioriver.de | Düsseldorf |
| BiotechGenoMik Göttingen | www.genomik.uni-goettingen.de | Niedersachsen |
| BioTOP Berlin-Brandenburg | www.biotop.de | Berlin |
| Brandenburger ErnährungsNetzwerk | www.ernaehrungsnetzwerk-ben.de | Brandenburg; Brandenburg |
| BTS Strategic Network Rail Technology Saxony | www.bts-sachsen.de | Dresden; Leipzig; Chemnitz |

| | | |
|--|--|-----------------------------------|
| CAPNETZ – Community Acquired Pneumonia | www.capnetz.de | Tübingen |
| CAST | www.cast-forum.de | Darmstadt |
| CC-NanoChem | www.cc-nanochem.de | Saarland |
| CELISCA | www.celisca.de | Mecklenburg-Vorpommern |
| Center for Development Research | www.zef.de | Köln |
| Center for Microsystems Technology | www.zemi-berlin.de | Berlin |
| Center for Product Development | www.cpd-innovation.com | Schleswig-Holstein |
| Center of Competence HörTech | www.hoertech.de | Niedersachsen |
| Center of Competence in Nano-Scale Analysis | www.cc-nanoanalytik.de | Münster |
| Center of Maritime Technologies | www.cmt-net.org | Hamburg |
| CFK-Valley Stade – CFRP Lightweight Structures | www.cfk-valley.com | Niedersachsen |
| Chemie-Cluster Bayern | www.chemiecluster-bayern.de | Mittelfranken; Oberfranken |
| ChemSite | www.chemsite.de | Münster; Nordrhein-Westfalen |
| Cluster Biotechnology–Life Sciences Mitteldeutschland | www.cluster-biotechnologie.de | Leipzig |
| Cluster Chemical Industry and Plastics Cluster IT Mitteldeutsch... | www.cluster-chemie-kunststoffe.de | Leipzig |
| Cluster Energietechnik | www.cluster-energietechnik.de | Niederbayern; Schwaben |
| Cluster Food Industry Cluster IT Mitteldeutschland | www.cluster-ernaehrungswirtschaft... | Leipzig |
| Cluster Forst und Holz Bayern gGmbH | www.cluster-forstholzbayern.de | Oberbayern |
| Cluster IT Mitteldeutschland | www.it-mitteldeutschland.de | Leipzig |
| Cluster Mechatronik & Automation | www.bayern-mechatronik.de | Schwaben |
| Cluster Sondermaschinen- und Anlagenbau | www.cluster-smab.de | Sachsen-Anhalt |
| Cluster Umwelttechnologien.NRW (GreenTech Cluster North Rhine-... | www.umweltcluster-nrw.de | Düsseldorf |
| Cluster Visual Computing | www.visual-computing.de | Tübingen; Karlsruhe; Stuttgart |
| CNA | www.c-na.de | Mittelfranken |
| Commercial Vehicle Cluster | www.cv-cluster.com | Rheinland-Pfalz |
| Competence Center Automotive Region Aachen | www.car-aachen.de | Köln |
| Competence Network Biomimetics | www.kompetenznetz-biomimetik.de | Freiburg |

| | | |
|--|--|--------------------------------|
| Competence Network for Congenital Heart Defects | www.kompetenznetz-ahf.de | Berlin |
| Competence Network for the sustainable use of wood (NHN) | www.kompetenznetz-holz.de | Niedersachsen |
| Competence network HIV/AIDS | www.kompetenznetz-hiv.de | Arnsberg |
| Competence Network Stroke | www.kompetenznetz-schlaganfall.de | Berlin |
| Competence-Network Mechatronics in Eastern Bavaria | mc-netz.de | Oberpfalz |
| Cross-Border-Logistics | www.wireg.de/regionalentwicklung... | Schleswig-Holstein; Danmark |
| CyberForum | www.cyberforum.de | Karlsruhe |
| Das Kompetenznetz Leukämie | www.kompetenznetz-leukaemie.de | Karlsruhe |
| deENet | www.deenet.org | Kassel |
| Descom | www.descom.de | Rheinland-Pfalz |
| Deutsch-französisches Netz für Luft-und Raumfahrt | www.hamburg-luftfahrtstandort.de | Hamburg |
| DiagnostikNet-BB | www.diagnostiknet-bb.de | Berlin; Brandenburg |
| Dortmund Project IT | www.dortmund-project.de | Arnsberg |
| ECPE | www.ecpe.org | Mittelfranken |
| EnergieForum Karlsruhe | www.energieforum-karlsruhe.de | Karlsruhe |
| EnergieImpuls OWL e. V. | www.energie-impuls-owl.de | Detmold |
| Energiewirtschaft/Energietechnologie – EWET | www.ewet-bb.de | Brandenburg; Brandenburg |
| ENNaB – Excellence Network NanoBioTechnology – Munich | www.ennab.de | Oberbayern |
| Environmental Project Office | www.enviro-company-guide.de | Stuttgart |
| Food Processing Initiative e. V. | www.foodprocessing.de | Detmold |
| FORMETA | www.fgw.de | Düsseldorf |
| Forum Aerospace Baden-Wuerttemberg | www.lrbw.de | Stuttgart |
| Forum MedTech Pharma | www.medtech-pharma.de | Mittelfranken |
| Fraunhofer ICT | www.ict.fhg.de | Karlsruhe |
| Fuel cell and hydrogen network NRW | www.fuelcell-nrw.de | Düsseldorf |
| Future Aerospace Network | http://www.fan-bw.de/ | Stuttgart |
| GABI | www.gabi.de | Brandenburg |

| | | |
|---|--|--------------------|
| GEOkomm networks | www.geokomm.net | Brandenburg |
| Gesundheitsnetz Rhein-Neckar-Dreieck | www.gn-rnd.de | Karlsruhe |
| GFE | www.gfe-net.de | Thüringen |
| GiN | www.gin-online.de | Niedersachsen |
| GZVB – Traffic, Transport & Telematics Brunswick | www.gzvb.de | Niedersachsen |
| H2BZ | www.brennstoffzelle-hessen.de | Darmstadt |
| Hamburg@work | www.hamburg-media.net | Hamburg |
| Hanse Photonik | www.hansephotonik.de | Hamburg |
| HanseNanoTec Competence Center | www.hansenanotec.de | Hamburg |
| Hightech Itzehoe | www.hightech-itzehoe.de | Schleswig-Holstein |
| I-KON | www.i-kon.org | Niedersachsen |
| IAW 2010 | www.iaw-2010.de | Chemnitz |
| ICM – Chemnitz Mechanical Engineering | www.icm-chemnitz.de | Chemnitz |
| IMST | www.imst.de | Düsseldorf |
| Incubator Network Lake Konstanz | www.vectoring.de | Freiburg |
| INGA | www.inga.de | Rheinland-Pfalz |
| InnoMed | www.innomed-magdeburg.de | Sachsen-Anhalt |
| InnoPlanta Phytobiotechnology North Harz | www.innoplanta.com | Sachsen-Anhalt |
| InnoSachs | www.innosachs.de | Chemnitz |
| InnoZent OWL e. V. | www.innozentowl.de | Detmold |
| INNtex | www.inntex.de | Chemnitz |
| INPLAS | www.inplas.de | Niedersachsen |
| Interest Group for the Application of Microstructure Technologies | www.ivamnrv.com | Arnsberg |
| INTRA | www.intra-aachen.de | Köln |
| IT Saar | www.informatik-saarland.de | Saarland |
| IT-Security Cluster Initiative East Bavaria | www.regensburg.it | Oberpfalz |
| IVAM | www.ivam.de | Arnsberg |

| | | |
|---|--|----------------------------------|
| K-Sector | www.k-sector.de | Düsseldorf |
| KBR – Biomaterials Rostock | www.uni-rostock.de/fakult/medfak... | Mecklenburg-Vorpommern |
| KIMW | www.kunststoff-institut.de | Arnsberg |
| Kompetenzhoch3 | www.kompetenzhoch3.de | Düsseldorf |
| Kompetenznetzwerk Mechatronik Göppingen | www.mechatronik-ev.de | Stuttgart |
| KompetenzZentrum Bau Neumarkt | www.kompetenz-bau.de | Oberpfalz |
| Kompetenzzentrum für Biomaterialien im Knochenkontakt Ulm | www.biomechanics.de | Tübingen |
| Kompetenzzentrum Medimplant | www.kompetenzzentrum-medimplant.de | Niedersachsen |
| Kompetenzzentrum Nachwachsende Rohstoffe | www.komnaro.de | Niedersachsen |
| Kompetenzzentrum Tourismus | www.ris-weser-ems.de/kompz/tourism | Niedersachsen |
| KUMAS Kompetenzzentrum Umwelt | www.kumas.de | Schwaben |
| Kunststoffzentrum Westmекlenburg | www.kkmv.de | Mecklenburg-Vorpommern |
| Lasernetz | www.lasernetz.de | Rheinland-Pfalz |
| LifeTec Aachen-Jülich | www.life-tec.org | Köln |
| Linux Solutions Group (LiSoG) | www.lisog.org | Stuttgart |
| LOGIS.NET | www.ris-logis.net | Niedersachsen |
| Logistics Initiative Hamburg | www.hamburg-logistik.net | Hamburg |
| Logistik RheinMain | www.logistik-rheinmain.de | Darmstadt |
| Logistiknetz Berlin-Brandenburg | www.logistiknetz-bb.de | Brandenburg; Berlin; Brandenburg |
| MAHREG Automotive | www.mahreg.de | Sachsen-Anhalt |
| MARIKO.RIS | www.mariko-ris.de | Niedersachsen |
| Maritime Allianz Ostseeregion | www.mao-ev.de | Mecklenburg-Vorpommern |
| Maritime Cluster in Mecklenburg-Vorpommern | www.mecklenburg-vorpommern.eu | Mecklenburg-Vorpommern |
| Maritime Cluster in Schleswig-Holstein | www.maritimes-cluster.de | Schleswig-Holstein |
| Materials Valley | www.materials-valley-rheinmain.de | Darmstadt |
| ME-Netzwerk der Metall- und Elektroindustrie | www.me-netzwerk.de | Berlin; Brandenburg |
| Measurement Valley | www.measurement-valley.de | Niedersachsen |

| | | |
|---|--|----------------------------------|
| Mediencluster NRW | www.medien.nrw.de | Köln |
| MedRegio | www.medregio.de | Schleswig-Holstein |
| Medways | www.opthalmoinnovation.de | Thüringen |
| meotec | http://www.meo-tec.de | Nordrhein-Westfalen; Germany |
| MercatorPark | www.mercatorpark.com | Oberbayern |
| MicroMountains Network | www.micromountains.com | Freiburg |
| Mikrosystemtechnik Baden-Württemberg | www.microtec-suedwest.de | Freiburg; Karlsruhe; Stuttgart |
| MITT | www.mittev.de | Tübingen |
| Mobile Solution Group | www.mobile-solution-group.de | Bremen |
| MOBKOM.NET | www.mobkom.net | Berlin; Brandenburg |
| MOTIV - Medizintechnik St. Ingbert/Berlin | www.motiv-medtech.de | Saarland |
| MoWiN.net - Mobility Industry Cluster Nordhessen | www.mowin.net | Kassel |
| mst-Netzwerk Rhein-Main | www.mst-rhein-main.de | Darmstadt |
| Musicon Valley Germany | www.musiconvalley.de | Chemnitz |
| NanoBioNet Saarland Rheinhessen Pfalz | www.nanobionet.de | Saarland |
| NanoMat Karlsruhe | www.nanomat.de | Karlsruhe |
| NanOp | www.nanop.de | Berlin |
| Nanotechnology competence centre UPOB | www.upob.de | Niedersachsen |
| nanoValley.eu | www.nanoValley.eu | Karlsruhe |
| National Center of Excellence for Process Simulation | www.rwth-aachen.de/simpro | Köln |
| Natural Materials Innovation Network Altmark | www.nina-innoregio.de | Sachsen-Anhalt |
| Network BioMeT Dresden | www.biotech-dresden.de | Dresden |
| Network for Innovative Closed Loop Recycling Technologies | www.krw-netzwerk.de | Arnsberg |
| Network of Automotive Excellence - NoAE | www.noae.com | Oberbayern |
| Netzwerk Luftfahrt Berlin-Brandenburg | www.bbbaa.de | Brandenburg; Brandenburg; Berlin |
| Netzwerk Nutrigenomforschung Berlin-Brandenburg | www.nutrigenomik.de | Brandenburg |
| Neue Materialien Fürth | www.new-materials.de | Mittelfranken |

| | | |
|--|---|----------------------------------|
| NGFN | www.ngfn.de | Karlsruhe |
| NieKE | www.ernaehrungswirtschaft.de | Niedersachsen |
| Norgenta / Bay to Bio | www.norgenta.de | Hamburg |
| Nukleus | www.nukleus.org | Mecklenburg-Vorpommern |
| OpTecBB | www.optecbb.de | Berlin |
| OpTech-Net Duisburg | www.optech-net.de | Düsseldorf |
| OptecNet Deutschland | www.optecnet.de | Niedersachsen |
| Optence | www.optence.de | Stuttgart |
| optic alliance brandenburg berlin | www.oabb.de | Brandenburg; Berlin |
| Optonet Jena | www.optonet-jena.de | Thüringen |
| OWL Maschinenbau | www.owl-maschinenbau.de | Detmold |
| Parkinson Competence Network | www.kompetenznetz-parkinson.de | Gießen |
| PathoGenoMik Würzburg | www.genomik.uni-wuerzburg.de | Unterfranken |
| PhotonAIX | www.photonaix.de | Köln |
| Photonic Net | www.photonicnet.de | Niedersachsen |
| Photonics BW | www.photonicsbw.de | Stuttgart |
| PhotonikBB | www.photonik-bb.de | Berlin; Brandenburg; Brandenburg |
| Pro3 | www.verfahrenstechnik-pro3.de | Stuttgart |
| profil.metall | www.profil-metall.de | Berlin; Brandenburg |
| Regina | www.regina.rwth-aachen.de | Köln |
| REPHYNA | http://www.unternehmen-region.de... | Sachsen-Anhalt |
| RIKO | www.riko.net | Niedersachsen |
| RiNA | www.rna-network.com | Berlin |
| RIO | www.rio-ev.de | Brandenburg |
| RIST – Regional Innovation Networks for Materials Cycles | www.innoregio-freiberg.de | Chemnitz |
| RISTUS | www.ristus.cut-os.de | Niedersachsen |
| Rlp-inform | www.zukunft.rlp.de | Rheinland-Pfalz |

| | | |
|---|--|--|
| Ruhr Center of Excellence for Medical Engineering | www.kmr-bochum.de | Arnsberg |
| SafeTRANS | www.safetrans-de.org | Niedersachsen |
| schiff-gmbh | www.schiff-gmbh.de | Schleswig-Holstein |
| Sensorik-Bayern | www.sensorik-bayern.de | Oberpfalz |
| SeSamBB | www.sesambb.de | Berlin; Brandenburg; Brandenburg |
| SESAMES | www.sesames.net | Niedersachsen |
| Silicon Saxony | www.silicon-saxony.net | Dresden |
| Software-Cluster | www.software-cluster.org | Baden-Württemberg; Hessen; Germa... |
| Spectronet & visquanet | www.visquanet.de | Thüringen |
| Tagung/MICE | www.tagen-in-brandenburg.de | Brandenburg; Brandenburg; Berlin |
| Teltra | http://www.teltra.de/ | Arnsberg |
| Textil + mode | www.textil-mode.de | Berlin |
| Trierer Schreinernetz | www.schreinernetz-trier.de | Rheinland-Pfalz |
| TSB Innovationsagentur Berlin | www.fav.de | Berlin |
| Umweltcluster Bayern | www.umweltcluster.net | Schwaben |
| Virtual Dimension Center (VDC) | http://www.vdc-fellbach.de | Germany |
| ViVERA | www.vivera.org | Sachsen-Anhalt |
| Wald-Zentrum | www.wald-zentrum.de | Nordrhein-Westfalen |
| Wind Energy Agency Bremerhaven/Bremen (WAB) | www.windenergie-agentur.de | Bremen |
| Wirtschaftsregion Chemnitz-Zwickau | www.chemnitz-zwickau.de | Chemnitz |
| Wolfsburg AG | www.wolfsburg-ag.com | Niedersachsen |
| WT SH | www.wtsh.de | Schleswig-Holstein |
| Zentrum für Mikroproduktion | www.mst-niedersachsen.de | Niedersachsen |
| Zentrum für Sonnenenergie und Wasserstoff-Forschung | www.zsw-bw.de | Stuttgart |
| ÎNIT | www.init-ev.de | Thüringen |

Map of a clusters in Germany



NATIONAL AGENCY

| Name | www | Regions |
|---|--|---------|
| Commission of Experts for Research and Innovation | www.e-fi.de/index.php?id=1&L=1 | Berlin |
| Deutsche Forschungsgemeinschaft | www.dfg.de/en | Köln |
| Deutsches Institut für Wirtschaftsforschung | www.diw.de | Berlin |
| German Aerospace Center | www.dlr.de/en/desktopdefault.aspx | Köln |
| German Sustainability Council | www.nachhaltigkeitsrat.de | Berlin |
| Germany Trade and Invest | www.gtai.com/web_en/homepage | Berlin |

Map of a national agency in Germany



REGIONAL AGENCY

| Name | www | Regions |
|--|--|---------------|
| Aachener Gesellschaft für Innovation und Technologietransfer mbH | www.agit.de/index.php?id=168 | Köln |
| Agentur für Innovationsförderung und Technologietransfer GmbH ... | www.agil-leipzig.de | Leipzig |
| Bavarian Research Alliance | www.bayerische-forschungsallianz.de | Oberbayern |
| Bayern Handwerk International GmbH | www.bh-international.de | Mittelfranken |
| Bayern Innovativ | www.bayern-innovativ.de | Mittelfranken |
| Berlin Partner GmbH | www.berlin-partner.de | Berlin |
| BIG Bremen - Die Wirtschaftsförderer. Bremer Investitions-Gese... | www.big-bremen.de | Bremen |
| BIS – Bremerhaven Economic Development Company GmbH | www.bis-bremerhaven.de | Bremen |
| Brandenburg Economic Development Board | www.zab-brandenburg.de/en/18.aspx | Brandenburg |
| BTI Technologieagentur Dresden GmbH | www.bti-dresden.de | Dresden |
| HA Hessen Agentur GmbH | www.een-hessen.de | Darmstadt |

| | | |
|---|--|-----------------------------|
| Hessen Agentur | www.hessen-agentur.de | Darmstadt |
| IHK/Hwk-Europa-und Innovationscentre GmbH | www.eic-trier.de | Rheinland-Pfalz |
| Innovations-Management GmbH | www.img-rlp.de | Rheinland-Pfalz |
| InvestitionsBank Berlin, Europa-Service und Produktenentwicklung | www.investitionsbank.de/en/deskt... | Berlin |
| State Ministry for Economic and Labour Affairs - Hamburg | www.hamburg.de/bwa | Hamburg |
| Steinbeis-Europa-Zentrum | www.steinbeis-europa.de | Stuttgart |
| STIFT - Stiftung für Technologie, Innovation und Forschung Thü... | www.enterprise-europe-thueringen.eu | Thüringen |
| TBI Technologie-Beratungs-Institut GmbH | www.tbi-mv.de/frameset800.html | Mecklenburg-Vorpommern |
| Technologie Agentur Chemnitz GmbH | www.tac-chemnitz.de | Chemnitz |
| THE STUTTGART REGION ECONOMIC DEVELOPMENT CORPORATION (WRS) | wrs.region-stuttgart.de | Stuttgart |
| Tsb Technologiestiftung Innovationsagentur Berlin GmbH | www.technologiestiftung-berlin.de | Berlin |
| ZENIT | www.nrw-europa.de | Düsseldorf |
| Zentrale für Produktivität und Technologie Saar e.V. | www.zpt.de | Saarland |
| Zukunftsagentur Brandenburg GmbH | www.zab.eu | Brandenburg; Brandenburg |

Map of a regional agency in Germany



SCIENCE PARK

| Name | www | Regions |
|--|--|--------------------|
| ADT (Arbeitsgemeinschaft Deutscher Technologie und Grunderzentren) | www.adt-online.de/ | Berlin |
| Science City Ulm | www.uni-ulm.de | Ulm |
| Science Park Saar | www.science-park-saar.de/ | Saarbrücken |
| Science Park Wuerzburg | www.wuerzburg.de | Würzburg |
| Technopark Kamen GMBH | www.technopark-kamen.de/ | Kamen |
| Technologiepark Braunschweig | www.technopark-bs.de | Braunschweig |
| Technopark Ettlingen | www.technopark-ettlingen.de/ | Ettlingen |
| EXPERPLAN GmbH - Regional Development | www.experplan.com | Oberbayern |
| Technologiepark Heidelberg GmbH | www.technologiepark-heidelberg.de | Karlsruhe |
| Technologiepark Ostfalen | www.tpo.de | Sachsen-Anhalt |
| Wissenschaftszentrum Kiel GmbH | www.wissenschaftsparkkiel.de | Schleswig-Holstein |
| Wista-Management GmbH Berlin Adlershof | www.adlershof.de | Berlin |
| Heidelberg Technology Park | www.technologiepark-heidelberg.de | Karlsruhe |

Map of a science parks in Germany



VENTURA CAPITAL FIRM

| Name | www | Regions |
|--|--|---------------|
| Hannover Finanz Group | www.hannoverfinanz.de | Niedersachsen |
| AdAstra Venture | www.adastra.de | Oberbayern |
| Arcadia Beteiligungen GmbH | www.arcadia.de | Hamburg |
| Brockhaus Private Equity GmbH | www.brockhaus-pe.com | Darmstadt |
| Cipio Partners | www.cipiopartners.com | Oberbayern |
| Creathor Venture | www.creathor.de | Darmstadt |
| Deutsche Beteiligungs AG | www.deutsche-beteiligung.com | Darmstadt |
| ECM Equity Capital Management GmbH | www.ecm-pe.de | Darmstadt |
| EXTOREL | www.extorel.com | Oberbayern |
| Earlybird Venture Capital GmbH & Co. KG | www.earlybird.com | Hamburg |
| Genes GmbH Venture Services | www.genes-ventures.de | Köln |
| GermanCapital GmbH | www.germancapital.com | Oberbayern |
| Global Life Science Ventures GmbH | www.glsv-vc.com | Oberbayern |
| Hasso Plattner Ventures Management GmbH | www.hp-ventures.com | Brandenburg |
| High-Tech Gründerfonds Management GmbH | www.htgf.de | Köln |
| IDP Industrial Development Partners | www.idp-investments.com | Darmstadt |
| Neuhaus Partners GmbH | www.neuhauspartners.com | Hamburg |
| Quadriga Capital Eigenkapitalservices GmbH | www.quadriga-capital.de | Darmstadt |
| S-Refit AG | www.s-refit.de | Oberpfalz |
| SHS Gesellschaft fuer Beteiligungsmanagement | www.shsvc.net | Tübingen |
| SVM STAR Ventures Management | www.star-ventures.com | Oberbayern |
| Steadfast Capital GmbH | www.steadfastcapital.de | Darmstadt |
| TVM Capital GmbH | www.tvn-capital.com | Oberbayern |
| Target Partners GmbH | www.targetpartners.de | Oberbayern |
| Triangle Venture Capital Group Management | www.triangle-venture.com | Karlsruhe |

| | | |
|---|--|------------|
| ViewPoint Capital Partners | www.viewpointpartners.com | Darmstadt |
| Wellington Partners | www.wellington-partners.com | Oberbayern |
| bmp Aktiengesellschaft | www.bmp.com | Berlin |
| eCAPITAL entrepreneurial Partners AG | www.ecapital.de | Münster |
| smac partners GmbH | www.smacpartners.com | Oberbayern |
| von Braun & Schreiber Private Equity Partners | www.braunschreiber.com | Oberbayern |
| Capiton AG | www.capiton.com | Berlin |

Map of a ventura capital firms in Germany





Latvia is aware that an effort in R&D is necessary to ensure a sustainable development of the country, which has badly suffered from the financial crisis.

Latvia increased its R&D intensity during the 2000-08 period by an average annual growth rate of 4.1 %, passing from 0.44 % in the year 2000 to 0.61 % in 2008. This increase has been fuelled thanks to an increase in public R&D investment, which rose at an average annual growth rate of 7.1 % (from 0.26 % to 0.46 %). On the other hand, private R&D fell from 0.18 % to 0.15 %.

However, with the deterioration of the economic situation in the country, the public and private sector investment in R&D decreased in 2009 (0.46 %) and again in 2010.

CLUSTERS

Below is a list of major clusters in Latvia:

| Name | www | Regions |
|--------------------------------|--|---------|
| Green-tech Cluster (GTC) | www.kbi.lv | Riga |
| Latvian Food Cluster | www.lpuf.lv | Riga |
| IT Cluster | www.itbaltic.com | Riga |
| LIFE SCIENCE CLUSTER OF LATVIA | www.lifescience.lv | Riga |

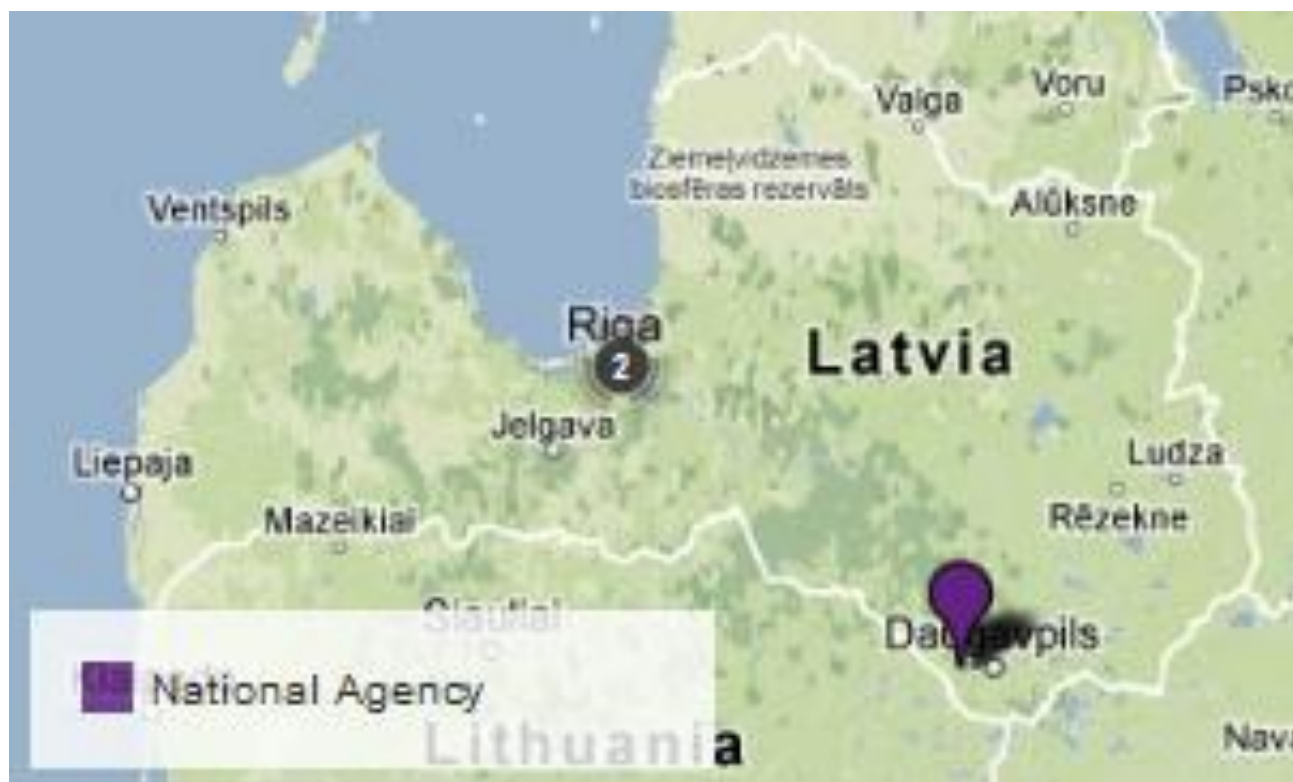
Map of a clusters in Latvia



NATIONAL AGENCY

| Name | www | Regions |
|---|--|---------|
| Central Finance and Contracting Agency | www.cfla.gov.lv | Latvia |
| Investment and Development Agency of Latvia | www.liaa.gov.lv | Latvia |
| Latvian Technological Center | www.een.lv | Latvia |

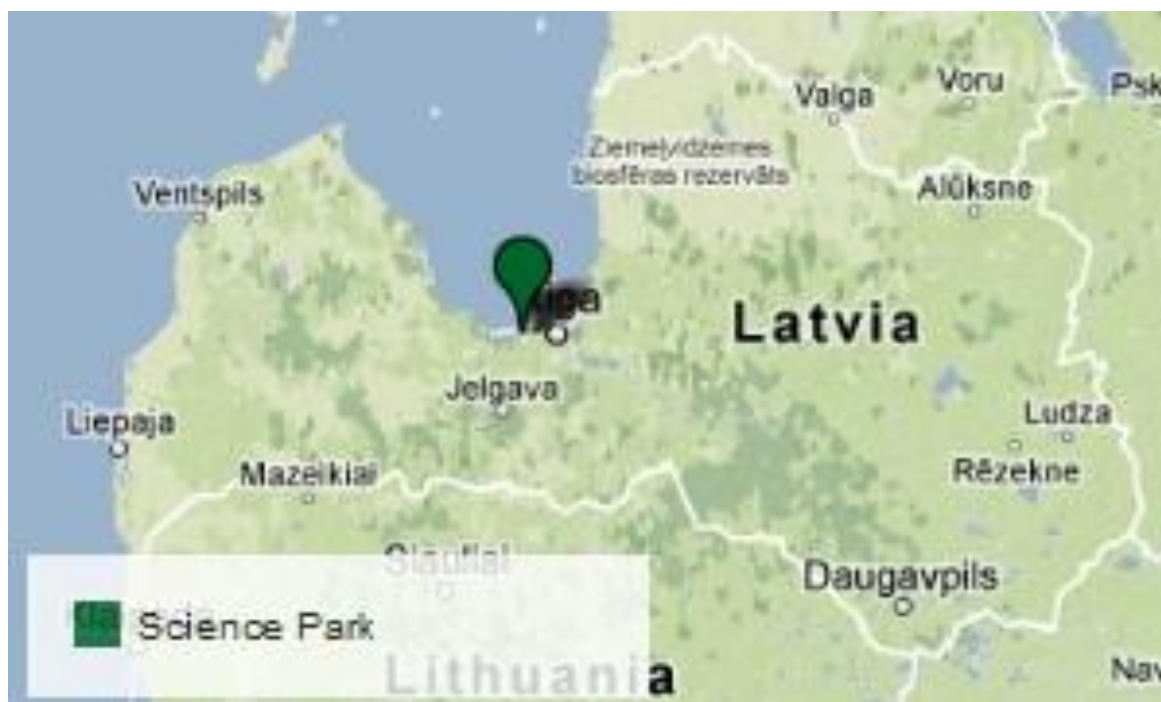
Map of a national agency in Latvia



SCIENCE PARK

| Name | www | Regions |
|-------------------------|--|---------|
| Latvian Technology Park | www.ltp.lv | Latvia |

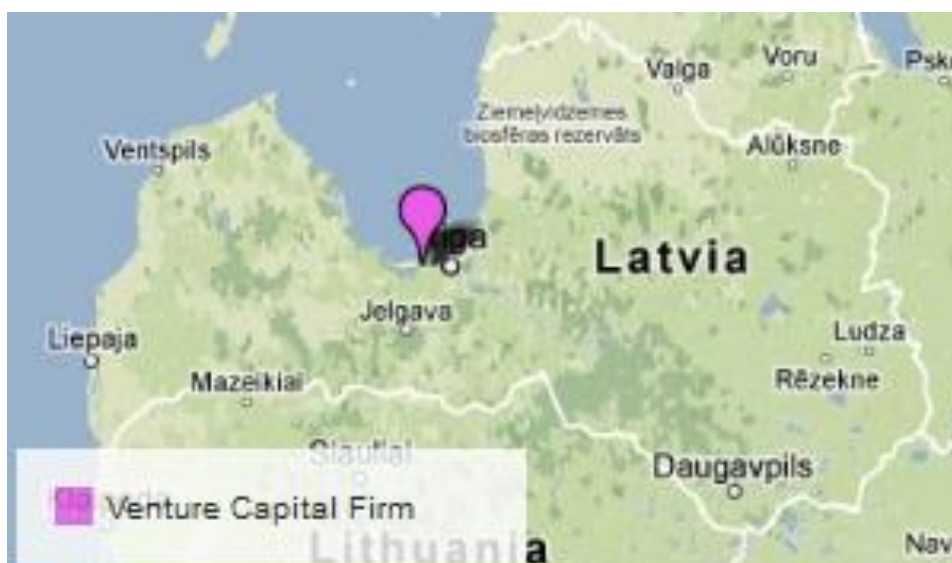
Map of a science parks in Latvia



VENTURA CAPITAL FIRM

| Name | www | Regions |
|---------------|--|---------|
| EKO Investors | www.ekoinvestors.lv | Latvia |

Map of a ventura capital firms in Latvia





In the last decade, R&D intensity in Lithuania increased from 0.59 % of GDP in 2000 to 0.84 % in 2009, i.e. an annual average growth rate of 3.9 %. It is to be noted that the increase in R&D intensity in 2009 compared to 2008 (0.80 % of GDP) is due to a more severe drop in GDP than in nominal R&D expenditure. Lithuania's R&D intensity is still among the lowest in the European Union. In order to maintain and increase its economic competitiveness and secure high-quality jobs, Lithuania will have to sharply increase its investments in research and innovation. Lithuanian authorities have recognised this and have set a very ambitious national R&D target for 2020: R&D intensity in Lithuania should account for 1.9 % of the national GDP in 2020. This net increase of around 1.1 % would be similar to the one needed for the EU to reach the 3 % R&D target.

The Ministry of Education and Science has signed 15 agreements with Lithuanian partners (associations, companies, various institutions and higher education institutions) in support of the provision of incentives for students to gain (work) experience in an enterprise. In the framework of the Programme (budget EUR 5.8 million), student internship models are developed in companies and institutions. Conditions are set for students to be able to carry out an internship in various economic sectors.

In order to encourage companies to employ (more) scientists, in 2010, the Ministry of Higher Education and Science allocated EUR 17.4 million in support of 'State aid for highly qualified persons' employment in enterprises' for period 2010-2013. Funds are allocated for no more than three years to one company and per employed person. The financial support covers salaries, participants' travel expenses, and participation in events. However, there was no sufficient interest from enterprises till the end of 2011. Currently, the Ministry of Education and Science has made available EUR 939 348 for projects, which are being implemented in 2012.

The activity is managed by the European Social Fund Agency. The Ministry of Education and Science adopted the 'High technology development programme' for the year 2011-2013 (EUR 2.6 million). The programme aims to boost the development of hi-tech trends with scientific potential, which enable the creation of new competitive products. The Ministry of Economy adopted the 'Industrial biotechnology development programme for Lithuania' for the period 2011-2013 (EUR 14.5 million).

The programme aims to accelerate the development of the biotechnology industry in Lithuania. Both programmes are implemented by the Agency for Science, Innovation and Technology (MITA). The Ministry of Education and Science has granted EUR 135 510 in support of Industrial Property Rights (IPR) protection. Implemented by the Agency for Science, Innovation and Technology (MITA), the measure aims to encourage universities, research institutes and companies to protect their intellectual property. In addition, it encourages stakeholders to cooperate more closely in the development of innovative and competitive products.

Following the experience of other countries with high achievements in the field of innovation (Finland, Sweden, Norway, the Netherlands, Ireland and Great Britain) in 2010 Lithuania approved the first large-scale Lithuanian Innovation Strategy for the Year 2010-2020 (the Strategy). It is a long-term strategic planning document which sets vision, objectives, goals and results to be achieved in the field of Lithuanian Innovation up to 2020. The goal of the decade's vision is ambitious – Lithuanian summary innovation index should reach the European average in 2020.

The Strategy has reinstated the long-term objective of innovation policy: to build a creative society and create conditions for the development of entrepreneurship and innovation. The implementation of this objective is intended along four principal directions:

- enhancing the Lithuanian integration into the global market ("Lithuania without borders");
- educating a creative and innovative society;
- developing broad-based innovation;

- implementing a systematic approach to innovation.
- The Strategy distinguishes the high-potential sectors of
- biotechnologies and laser technologies
- industry of electricity and optical equipment
- clean technologies
- future energetic
- creative industries
- welfare and wellness

Immediate to the Strategy Lithuania drafted and approved the Implementation Action Plan for the year 2010-2013 (the Action Plan) defining the specific measures to attain the objectives established. The Action Plan envisages diverse financial instruments to promote the business and science sector co-operation, develop innovation activities of enterprises, streamline the services of the public sector, improve the competence and capacities of human resources, as well as numerous non-financial measures that will contribute to the development of the environment favourable to innovation.

CLUSTERS

Clustering represents one of the key priorities of industry and business development in Lithuania. Small companies often lack the necessary human and material resources, technical knowledge and experience for development of innovation, thus cooperation becomes particularly important for them.

The formation of clusters in different industry sectors is at the primary stage in Lithuania.

In the period of 2007–2013, approximately LTL 186 million will be allocated to develop general infrastructure of clusters and to strengthen their activity. Support is provided not only to manufacturing industries, but also to companies working in the fields of publishing, creative industries, wellness, eco-dimensions, etc. In the process of formation and development of new clusters other than financial support is also offered.

Below is a list of major clusters in Lithuania:

| Name | www | Regions |
|--|--|---------|
| Photovoltaics Technology Cluster | www.pv.protechnology.lt | Vilnius |
| lliance of Baltic Beverage Industry | www.abbi.lt | Vilnius |
| Laser and Light Science and Technology Association | www.ltoptics.org | Vilnius |
| MarChain | www.bsrstars.se/stardust/marchain | Vilnius |
| Smart IT Cluster | | Vilnius |
| Lithuanian furniture cluster | www.furniturecluster.lt | Vilnius |
| Window to the Future | www.langasiateiti.lt | Vilnius |
| Infobalt | www.infobalt.lt/english | Vilnius |

Map of a clusters in Lithuania



INNOVATION CENTER

Lithuania is increasingly being seen as a prime location for international companies looking to establish R&D and outsourcing operations. Recently a range of companies including IBM, Thermo Fisher Scientific, Moog Medical Devices and others have invested or announced their major investments in Lithuania. Lithuania is rapidly moving towards its major goal of becoming the Northern Europe Innovation Hub by 2020, as multinationals have been eagerly developing their innovative products in Lithuania and using Lithuania's R&D resources for their own advantage.

Lithuanian Innovation Centre (LIC) - www.lic.lt - Vilnius, Lithuania

The Lithuanian Innovation Centre (LIC) provides competent guidance and support to Lithuanian research institutions, industry, and SMEs in innovation and technology transfer matters. LIC with its regional units is recognised in Lithuania as an innovative agency, which is one of the key actors promoting horizontal innovations relationships between scientific and industry at an operational and policy level. There are four primary areas of activity: technology transfer; introduction to innovative business; information services; promotion of high-tech entrepreneurship.

LIC cooperates with various institutions and organisations. The main LIC project partners in Lithuania are organisations, which render services to business and science. Those include business associations (Lithuanian Confederation of Industrialists, Lithuanian Business Employers' Confederation, Knowledge Economy Forum, sectorial and regional business associations), other business support organisations (Lithuanian Development Agency, Lithuanian Development Agency for Small and Medium Sized Enterprises, science and technology parks, business incubators, business information centres) and private consultants. LIC provides its services in the areas, where the lack of private consultancy services is identified. In this sense, LIC with its package of public services, is a partner of the private consultancy market.

BUSINESS VALLEYS

The Government of the Republic of Lithuania launched the development and invested EUR 1 billion into the network of 5 world-class integrated R&D and business valleys constructed in country's three largest cities – the capital Vilnius, 2nd largest city and industrial centre Kaunas and the seaport city Klaipėda.

Public investments are used for the development of engineering infrastructure of valleys and establishment of the physical infrastructure of scientific research, technology parks and incubators as well as development of technology transfer, IPR exploitation mechanisms and access to finance (including VC funds).

Within the next 4-5 years the valleys will put in place infrastructure fully equipped for research and technological development. The valley facilities will be used by new and young innovative companies, and they will become a place for the creation of innovative products, business entities will be able to make use of the most state-of-the art technologies, patent the results of their scientific and experimental research, and develop product prototypes. Researchers engaged in scientific and experimental activities will be provided best possible facilities to coordinate the commercial research and research activities.

Advantages of R&D valleys in Lithuania

- Access to skills and networking – Concentration of scientists, researchers, developers and university academia, close collaboration of knowledge-intensive businesses with science and study institutions, opportunity to be co-located with other companies in the same sector (clusters) and region
- Research excellence – Open access labs, R&D projects supported by EU/state, application of research results in industry and business
- High-quality infrastructure and premises – Infrastructure for research, innovation and new technology development and comfortable conditions to establish new technology-oriented businesses – offices, labs, business incubators
- Internationalization – Increased international competitiveness

Map of a business valleys in Lithuania



Business Valeys in Lithuania:

- **Santara Valley (Vilnius)**
 - ✓ Biotechnology
 - ✓ Innovative Medical Technologies, Molecular Medicine
 - ✓ Ecosystems and Sustainable Development
 - ✓ Informatics and Communication Technologies
- **Sunrise Valley (Vilnius)**
 - ✓ Laser and Light Technologies
 - ✓ Material Sciences and Nanotechnologies
 - ✓ Semi-conductor Physics, Electronics and Organic Electronics
 - ✓ Civil Engineering, Renewable Energy and Environmental Technologies
 - ✓ Life Sciences (Biotechnology, Genetics, Microbiology)
 - ✓ ICT and Creative Industries
- **Santaka Valley (Kaunas)**
 - ✓ Sustainable Chemistry and Pharmaceutics
 - ✓ Future Power Engineering
 - ✓ Information and Communication Technologies
 - ✓ Mechatronics and Related Electronics
 - ✓ Technologies and Biomedical Engineering
- **Nemunas Valley (Kaunas)**
 - ✓ Agro Biotechnology
 - ✓ Food Technology, Safety and Health
 - ✓ Forestry
 - ✓ Bio Energy
- **Maritime Valley (Klaipėda)**
 - ✓ Marine Environment
 - ✓ Coastal Research
 - ✓ Maritime Technologies
 - ✓ Environmental Engineering

Industrial Parks

There is 4 industrial parks (IP) in Lithuania:

- Šiauliai IP www.lda.lt/files/File/Invest/IndustrialParks/siauliai
- Kėdainiai IP www.lda.lt/files/File/Invest/IndustrialParks/kedainiai
- Panevėžys IP www.lda.lt/files/File/Invest/IndustrialParks/panevezys
- Alytus IP www.lda.lt/files/File/Invest/IndustrialParks/alytus

Facilities:

- Greenfield territory from 15 to 219 ha (corresponding to the investor requirements);
- All necessary physical infrastructure;
- Tax incentives.

SCIENCE AND TECHNOLOGY PARKS

Lithuanian business enterprises create new products in conjunction with Lithuanian and foreign scientific institutions.

Lithuania's 11 science and technology parks (STP) offer favourable infrastructure for the establishment of new innovative businesses in Lithuania and serve as a convenient space for business enterprises, scientists and students to combine their knowledge, experience and ideas, and lead to the development of innovations as well as initiating and implementing numerous business projects.

- | | |
|--|--|
| ○ Kaunas High-Tech and Information Technology Park | www.techpark.lt/ |
| ○ Northtown Technology Park | www.smtp.lt/ |
| ○ Klaipeda Science and Technology Park | www.kmtp.lt/ |
| ○ Visoriai Information Technology Park | www.vitp.lt/ |
| ○ Agricultural Science and Technology Park at the Lithuanian University of Agriculture | www.lzuu.lt/mtp/ |
| ○ Science and Technology Park TECHNOPOLIS | www.technopolis.lt/ |
| ○ Panevėžys Science and Technology Park | www.pmtpl.lt/ |
| ○ KTU Regional Science Park | www.ktc.lt/main.html |
| ○ Science and Technology Park of Institute of Physics | www.fimtp.lt/ |
| ○ Liepiskes Technology Park | www.litepa.lt/ |

RESEARCH INSTITUTES

- | | |
|---|--|
| ○ Lithuanian Research Centre for Agriculture and Forestry | www.lammc.lt/ |
| ○ Lithuanian Energy Institute | www.lei.lt |
| ○ Nature Research Centre | www.gamtostyrimai.lt/lt/pages/view/?id=2 |
| ○ Institute of the Lithuanian Language | www.lki.lt/LKI_LT/ |
| ○ Institute of Lithuanian Literature and Folklore | www.llti.lt/ |
| ○ Lithuanian Institute of Agrarian Economics | www.laei.lt/ |
| ○ Lithuanian Institute of History | www.istorija.lt/ |
| ○ Lithuanian Culture Research Institute | www.kfmi.lt/ |
| ○ Lithuanian Social Research Centre | www.lstc.lt/ |
| ○ Center for Physical Sciences and Technology | www.ftmc.lt/ |
| ○ Center for Innovative Medicine | www.imi.lt/ |
| ○ Lithuanian Textile Institute | www.lti.lt/ |
| ○ Institute of Law | www.teise.org/ |

PRIVATE RESEARCH INSTITUTIONS

- Public Policy and Management Institute
- Space Science and Technology Institute

www.vpvi.lt/
www.space-lt.eu/kmti/

CHAMBER OF COMMERCE

Association of Lithuanian Chambers of Commerce, Industry and Crafts (ALCCIC) is a voluntary organization which unites five regional Chambers of Commerce, Industry and Crafts in Vilnius, Kaunas, Klaipėda, Šiauliai and Panevėžys.

ALCCIC is a member of Association of European Chambers of Commerce and Industry (EUROCHAMBRES) and Association of Baltic countries Chambers of Commerce and Industry. ALCCIC is voluntary organization which represents interests of Lithuanian Chambers.

The current functions of ALCCIC administration are as follows:

- co-ordinates the activities of the Chambers in formulating the general strategy for the institutional development of Chamber system;
- formulates the overall strategy for the international economic co-operation;
- represents the Chambers in their contacts with Governmental institutions and organisations;
- represents the Chambers in their contacts with foreign Governmental institutions and foreign legal entities;
- prepares and passes proposals to the Government of Lithuania as well as to other governmental institutions on the issues of the economic development of the Republic of Lithuania;
- in charge of the issue of ATA CARNET's under the International Convention on the Temporary Admission of Goods;
- represents the Chambers at the trade fairs, conferences, other international events; issues the numbers (bar codes) for goods and articles (EAN - Lithuania);
- in charge of maintenance of Trade (Business) Register in the Republic of Lithuania as well as other business related datum bases;
- co-ordinates issue of the Export and Business Directory in co-operation with local Chambers.

| Name | www | Regions |
|--|--|-----------|
| Chambers of Commerce, Industry and Crafts in Vilnius | www.cci.lt | Vilnius |
| Chambers of Commerce, Industry and Crafts in Kaunas | www.chamber.lt | Kaunas |
| Chambers of Commerce, Industry and Crafts in Klaipėda | www.kcci.lt | Klaipėda |
| Chambers of Commerce, Industry and Crafts in Šiauliai | www.rumai.lt | Šiauliai |
| Chambers of Commerce, Industry and Crafts in Panevėžys | www.ccic.lt | Panevėžys |

Map of a chamber of commerce in Lithuania





POLAND

In the last decade, R&D intensity in Poland has stayed below 0.7%, passing from 0.64% in 2000 to 0.68% in 2009. As a result, despite a small increase over the last decade, Poland scores one of the lowest R&D intensities in the European Union. In order to maintain and increase its economic competitiveness and secure high-quality jobs, in addition to keep improving factors such as primary and secondary education, production facilities or infrastructures, Poland will have to sharply increase its investments in Research and Innovation.

Polish authorities have recognised this challenge and have set an ambitious, albeit realistic national R&D target for 2020: R&D intensity in Poland should account for 1.7% of the national GDP in 2020. This net increase of around 1.1% would be similar to the one needed for the EU to reach the 3% R&D target.

CLUSTERS

Co-operation has become trendy in the European Union and in Poland recently. Numerous networks and clusters have been established. The administration and business support organisations are the chief promoters of co-operation ideas.

In Poland, there are many ongoing initiatives and projects referring to the concept of a cluster and using the word in its name. Genesis, objectives and structure of economic activities of these projects, show a wide variation. Given the role of clusters as a catalyst for innovation processes in the regions they occur primarily in high-tech sectors.

A prime example of high-tech cluster in Poland's is a Aviation Valley in Podkarpackie region, in which there is a strong concentration of aerospace companies, pilots training centers, universities and R & D institutions who specialize in these areas.

It should be noted that clusters are formed not only in high-tech industries, but also in traditional sectors.

Below is a list of major clusters in Poland:

| Name | www | Regions |
|------------------------------------|--|--------------------|
| Alternatywny Klaster Informatyczny | klaster.info | Mazowieckie |
| Automotive Cluster | www.ntpp.pl/wielkopolski-klaster-motoryzacyjny | Suchy Las |
| AVIA SPLot | www.splot.migron.org.pl | Podkarpackie |
| Aviation Valley | www.dolinalotnicza.pl | Podkarpackie |
| Baltic Eco-Energy Cluster | - www.imp.gda.pl | Szczecin |
| Bałtycki Klaster Ekoenergetyczny | www.bkee.pl | Pomorskie |
| Bydgoski Klaster Przemysłowy | www.klaster.bydgoszcz.pl | Kujawsko-Pomorskie |
| Clean Energy Cluster | www.klaster.agh.edu.pl | Krakow |
| Color Valley" Cluster | www.kolorowakotlina.pl | Mazowieckie |
| Ecological Food Valley Cluster | www.ekolubelszczyna.pl | Lublin |

| | | |
|--|--|---------------------------------|
| Dolnośląski Klaster Energii Odnawialnej | www.dkeo.pl | Dolnoslaskie |
| ECDF eKlaster | www.ecdf.pl | Poland |
| EduKlaster - Nowe Media w Edukacji | http://eduklaster.pl | Poland |
| EKLASTAR – Małopolski Klaster Informatyczny | www.eklaster.org | Malopolskie |
| Gdansk Building Cluster | www.gkb.com.pl | Pomorskie |
| Gdańska Delta Bursztynu | www.bursztyngdanski.pl | Pomorskie |
| ICT Pomorze Zachodnie | ict-pomorzezachodnie.pl | Zachodniopomorskie |
| Informatyka Podkarpacka | www.informatykapodkarpacka.pl | Podkarpackie |
| Innovation Cluster Health and Tourism | www.klasterzit.pl | Wschodni; Południowy; Poland |
| Klaster "Razem Ciepłej" | www.mpec.olsztyn.pl | Warminsko-Mazurskie |
| Klaster Biotechnologii, Farmacji i Kosmetyków | www.biofarmko-pomorskie.pl | Pomorskie |
| Klaster budownictwa pasywnego i energooszczędnego | www.gppkatowice.pl | Slaskie |
| Klaster Kultury Lubelszczyzny | www.klasterkultury.lublin.pl | Lubelskie |
| Klaster Multimediów i Systemów Informacyjnych „Multiklaster” | multiklaster.pl | Malopolskie |
| Klaster Producentów Okien i Drzwi „Mazurskie okna” | www.mazurskieokna.pl | Warminsko-Mazurskie |
| Klaster turystyczny Bory Tucholskie (Touristic Cluster Tuchola...) | www.klaster.tucholski.pl | Pomorskie; Kujawsko-Pomorskie |
| Klaster „Dolina Ekologicznej Żywności” | www.ekolubelszczyzna.pl | Lubelskie |
| KOM-CAST | www.kom-cast.pl | Podkarpackie |
| Leszno Printing & Advertising Cluster | www.poligrafia.leszno.eu | Wielkopolskie |
| LifeScience Cluster Krakow | lifescience.pl | Malopolskie |
| Lubuski Klaster Metalowy | www.lubuskiklaster.pl | Lubuskie |
| Mazowiecki Klaster Druku i Reklamy „Kolorowa Kotlina” | www.kolorowakotlina.pl | Mazowieckie |
| Mazowiecki Klaster ICT | www.klasterict.pl | Mazowieckie |
| Małopolsko-Podkarpacki Klaster Czystej Energii | www.klaster.agh.edu.pl | Malopolskie |
| Media Cluster | www.mediaklaster.pl | Lodzkie |
| Medycyna Polska | www.medycynapolska.pl | Malopolskie |
| NutriBioMed Cluster | www.technologypark.pl | Dolnoslaskie |
| Pleszewski Klaster Kotlarski | www.klasterkotlarski.pl | Wielkopolskie |

| | | |
|---|--|--------------------|
| Regionalne Centrum Współpracy Przemysłu Spożywczego | www.food.rsi.org.pl | Zachodniopomorskie |
| Tarnow Plastic Valley | www.tkp.com.pl | Malopolskie |
| The Green Technologies Centre | www.zielonetechnologie.pl | Podlaskie |
| Wielkopolska ICT Cluster | www.wklaster.pl | Wielkopolskie |
| Wielkopolski Klaster Chemiczny | www.klasterchemiczny.pl | Wielkopolskie |
| Wielkopolski Klaster Motoryzacyjny | www.ntpp.pl/wielkopolski-klaster... | Wielkopolskie |
| Zielona Chemia | www.chemia.rsi.org.pl | Zachodniopomorskie |
| Śląski Klaster Drzewny | www.igsilesia.pl | Opolskie |
| Śląski klaster wodny | www.klasterwodny.pl | Slaskie |
| Żywność z Pomorza | www.smakipomorza.pl | Pomorskie |

Map of a clusters in Poland



INNOVATION CENTERS

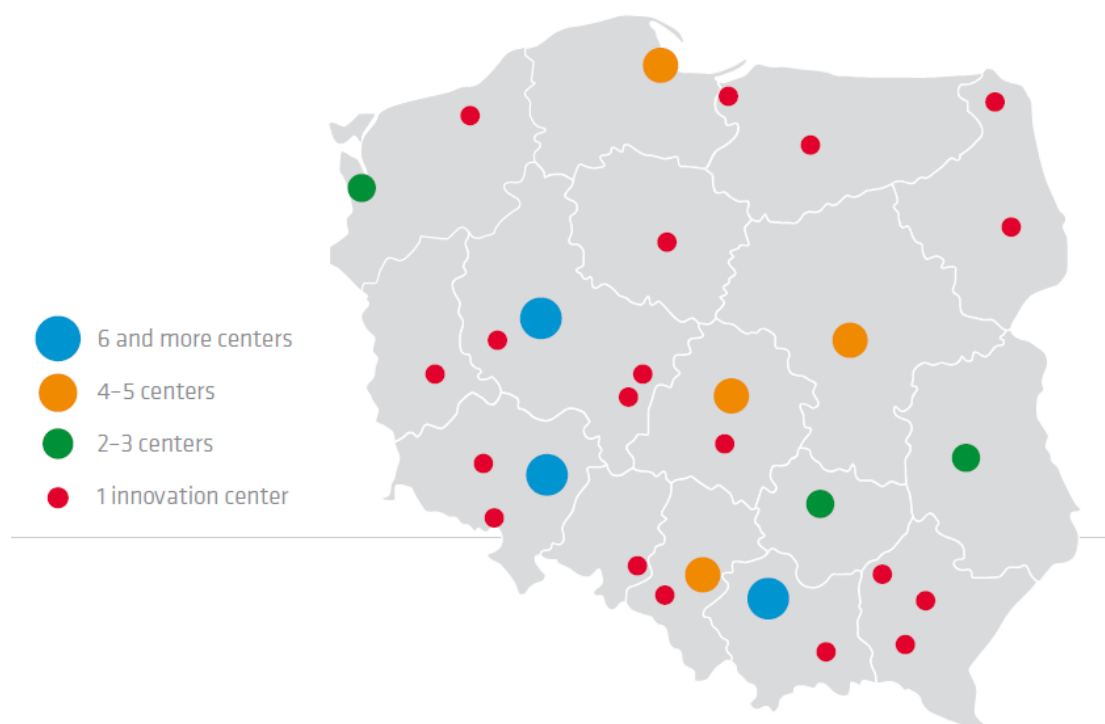
Improving the effective application of knowledge and scientific research outputs is an important challenge for Polish enterprises. Institutions supporting innovative business by working at the intersection of science and business are one of the key factors determining success of the economy. They act as a bridge, facilitating communication between the worlds of business and science.

Thanks to systemic changes and the many bottom-up initiatives, the number of innovation centers and enterprises has been growing steadily from only 195 in 1995 to 735 by mid-2010. Many of them are entrepreneurship centers: training and advisory centers, business centers, consulting centers and entrepreneurship incubators.

Simultaneously, specialized institutions for innovative business support have been filling the Polish market. Supportive, quasi-banking financial institutions like seed capital funds, business angel networks, regional and local loan funds are becoming increasingly common. Institutions enabling the introduction of novel products and services, like technology parks, technology incubators, pre-incubators, academic entrepreneurship incubators and technology transfer centers, have been undergoing intensive development.

In these crucial spaces, innovative R&D meets with the potential and expectations of business organizations and funders. It is here where small and nascent enterprises, hungry for success, get a chance to succeed and where everyone interested in innovative entrepreneurship can cooperate and flourish. All these possibilities are presented in subsequent chapters, which describe the main innovation centers in Poland: technology parks, technology incubators and technology transfer centers – 60 companies and institutions in all. Their location within Poland is presented on the map below.

Map of a innovation centres in Poland



TECHNOLOGY PARKS

Technology Parks are organized industrial complexes, whose primary function is to support businesses that operate in innovative sectors and offer hi-tech products and services.

The idea of creating strong bonds between all entities that support innovative enterprises is best put into practice in Technology Parks. They all have cooperation agreements with universities in place and most of them work with municipal institutions, other technology parks and R&D units, while some also cooperate with sister parks and venture capital institutions. The vast majority of Polish technology parks has decided to specialize within one or a few sectors.

The idea of creating strong bonds between all entities that support innovative enterprises is best put into practice in Technology Parks. They all have cooperation agreements with universities in place and most of them work with municipal institutions, other technology parks and R&D units, while some also cooperate with sister parks and venture capital institutions. The vast majority of Polish technology parks has decided to specialize within one or a few sectors.

The number of technology parks has tripled since Poland joined the EU in 2004 and their combined physical footprint has increased tenfold. Collectively, the parks have around 1,492.2 ha at their disposal.

By mid-2010, 718 enterprises have found conditions for running their businesses in technology parks, providing 24,737 jobs. Most of them are small to medium enterprises. Around one-tenth of these were seeded with foreign capital. Eleven companies based in parks have been awarded at international fairs and competitions, while 39 have been distinguished domestically. Polish parks represent a very good alternative for foreign investors. They provide an advanced infrastructure, links with dynamic businesses and research institutions in Poland and abroad, access to information, technology transfer, access to highly qualified workforce, help with administrative formalities and guidance during the funding process.

The next few years will bring an even more dynamic growth of technology parks.

Technology Parks in Poland

- Pomeranian Science and Technology Park
- Krakow Technology Park
- MMC Brainville
- Nickel Technology Park Poznań Sp. z o.o.
- Wrocław Medical Science and Technology Park
- Bełchatów and Kleszczów Industry and Technology Park
- Gdansk Science and Technology Park
- Torun Technology Park
- “Technopark Gliwice” Science and Technology Park
- Łódź Regional Science and Technology Park Technopark Łódź
- Poznan Science and Technology Park
- Jagiellonian Centre of Innovation, LifeScience Park
- Lublin Science and Technology Park
- KGHM Letia Legnica Technology Park
- Wrocław Technology Park
- Lower Silesian Technology Park T-Park
- Euro Centrum Science and Technology Park

TECHNOLOGY INCUBATORS

Technology incubators are designed to support newly founded, innovative enterprises as they mature and until they can independently operate in the market. To this end they offer both services and facilities.

The incubators' support may extend to: preferential rent rates, access to the research infrastructure, business networks, laboratories in R&D Centers, establishing contacts with the scientific community, consulting, aid in technology transfer and commercialization as well as in fundraising.

Early-stage firms which make use of an incubator's services benefit from regular contact with its management and employees, coaches, consultants as well as other incubated enterprises. The element of cooperation amplifies the benefits gained by all of the incubation program's participants.

The incubator gradually acquaints new companies with the rules of the free market. Their incubation lasts on average from three to five years. In the final phase, rates offered by an incubator come close to market prices.

Some technology incubators in Poland are created from existing, traditional incubation centers, adapted to the needs of innovative enterprises, while new ones are often founded in the form of technology parks.

The average Polish incubator takes up approximately 2,929.6 m², out of which 72.2% is intended for rental by businesses and other users. All together, over 382 entities are served by technology incubators, providing nearly two thousand jobs. More than 600 companies have completed incubation programs. A single incubator gives birth to around six firms every year.

The last few years have been marked by dynamic economic changes, and technology incubators contributed to an increase in creativity and a stimulation of growth of small and medium enterprises. Technology incubators should be expected to act as a bridge between the worlds of science and industry. They already contribute greatly to the initiation of such cooperation.

Technology Incubators in Poland

- Kielce Technology Park
- Science and Technology Park Poland-East in Suwałki
- Pomeranian Technopark, Szczecin Science and Technology Park
- West Pomerania Economic Development Association – Szczecin Entrepreneurship Center
- Academic Entrepreneurship Incubator of the University of Zielona Góra
- Foundation for the Support of Entrepreneurship and Science
- The Business and Sports Center Elbląg Modern Information Technology Incubator
- Rybnik Technological Incubator
- Western Innovation Center
- Kalisz Business Incubator
- Krosno Technology Incubator
- IN-TECH New Technology Incubator
- Białogard Technology Incubator
- Technology InQbator of the Poznan Science and Technology Park

TECHNOLOGY TRANSFER CENTRES

The primary function of technology transfer centers (TTC) is to create links between the worlds of science and business and to commercialize scientific outputs. They contribute strongly to the increase in innovation and competitiveness of enterprises and regional economies.

Their activities are focused on raising awareness about the research being conducted, acquiring business partners and commercializing the results of the research work.

They are often attached to academic centers and support academic entrepreneurship, deal with the universities' innovation and patent policies as well the matters of intellectual property (copyrights, property rights). Usually, Polish TTCs are non-profit organizations.

In mid-2010, 90 technology transfer centers were active in Poland. Their key partners are enterprises seeking consultancy and training services, cooperation with the scientific community, aid in establishing and maintaining contacts, and technology transfer and commercialization. The possibilities of undertaking joint efforts with the scientific community and help in preparing grant applications are also of high importance.

On the average, a single center works with approximately 90 companies, mostly local SMEs.

Each TTC formulates around four business plans per year as well as supporting approximately nine businesses, co-financed by European and domestic funds. The number of clients for an average technology transfer center ranges from 500 to 700 people.

Increasing number of centers aid in starting academic spin-off firms. Several TTCs have successfully launched academic entrepreneurship pre-incubation programs. In total over 100 spin-offs are founded each year around the country, mostly by undergraduate, postgraduate and PhD students.

The outlook for the centers' development is optimistic. An intensification of European cooperation in innovation and research as well as in supporting local innovation capabilities in accordance with respective regional development strategies is expected. Further development possibilities for TTCs were opened by the rapidly growing NewConnectshare market, expansion of which is expected to generate demand for new projects.

Technology Transfer Centres in Poland

- Center for Medical Technology Transfer and Technological Park
- Center for Technology Transfer and Entrepreneurship Development at the Warsaw University
- Upper-Silesian Agency for Entrepreneurship Promotion Co.
- Business Point: Team for Innovation and Knowledge Transfer at the Medical University of Gdańsk
- International Innovation Centre of East (IICoE) – Innovative Eastern Poland Association
- Świętokrzyskie Regional Center for Innovation and Technology Transfer
- “HORYZONTY” Association for Innovation and Technology Transfer
- Sub-Carpathian Chamber of Commerce
- Technology Transfer Center — Cracow University of Technology
- Center for Innovation, Technology Transfer, of the Jagiellonian University in Krakow
- University Technology Transfer Center of the Warsaw University
- Center for Innovation and Technology Transfer, University of Warmia and Mazury in Olsztyn
- Chamber of Commerce and Industry of the Wielkopolska region
- Provincial Technology and Rationalization Club

- Wielkopolska Quality Institute
- Regional Center for Innovation and Technology Transfer, University of Technology in Szczecin
- Environmental Partnership Foundation
- Foundation for the Promotion of Entrepreneurship
- Technology Transfer Office of Technical University of Łódź
- Lublin Technology Transfer Center of the Lublin University of Technology
- Innovation and Technology Transfer Center at the Silesian University of Technology
- Wrocław Center for Technology Transfer, Wrocław University of Technology
- Institute of Logistics and Warehousing
- Technology Transfer Center of the University of Łódź
- Institutional Center of Innovation and Technology Transfer of Adam Mickiewicz University
- FIRE Innovation Center Foundation
- Center for Technology Transfer at the Krakow University of Science and Technology
- Technology Partners Foundation

CHAMBER OF COMMERCE

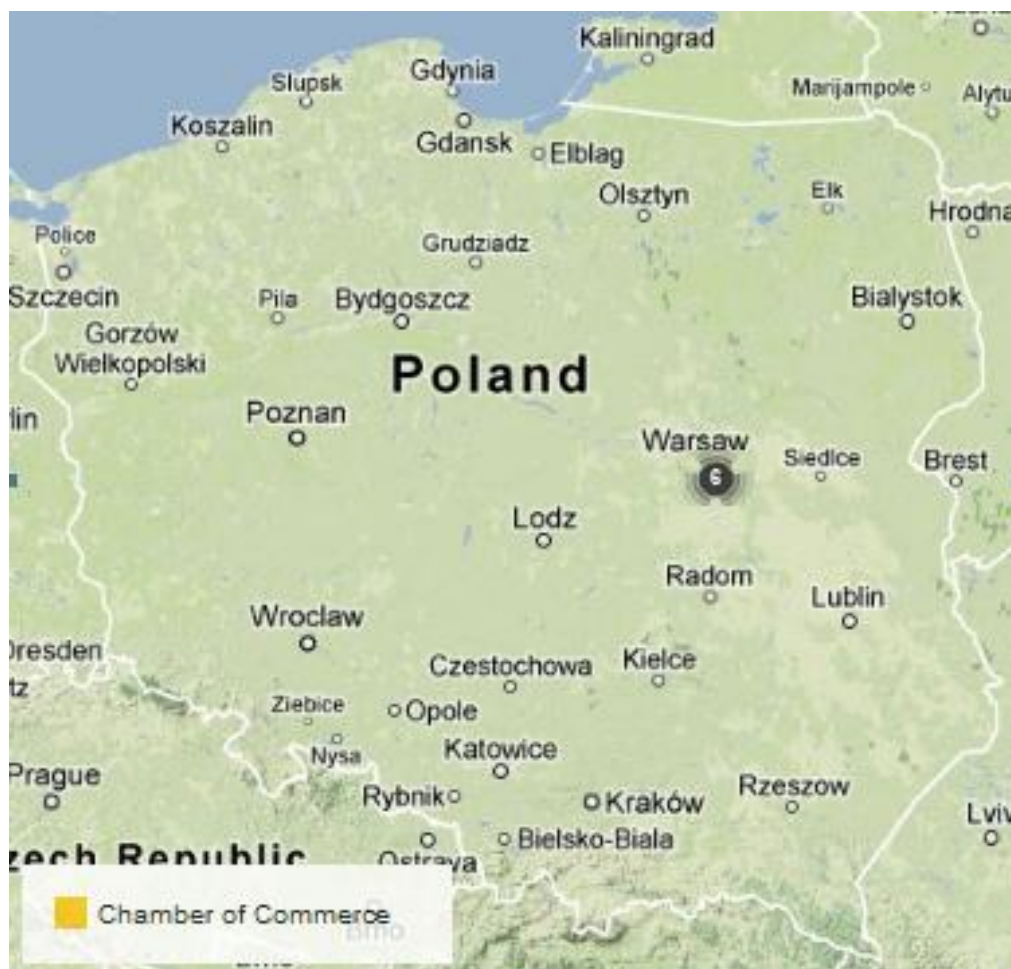
Chambers of Commerce are concentrated in the central part of the country. Many of them have their head offices in Warsaw, next to the listed below, there are also many regional and bilateral chambers.

The tasks of the Chambers of Commerce are mainly:

- represent the interests of its members and businesses to the state authorities, national and international organizations;
- promoting the development of entrepreneurship in modern organizational and technological forms and express opinions on the state of economic development in Poland;
- complicity in creating the conditions for economic activity, including in foreign trade;
- inspire the creation and amendment of rules and present opinion in the field of economic policy;
- collection and dissemination of information concerning the operation of businesses in the country and abroad, and cooperative partnership, sourcing, organizational and financial;
- development and improving the quality of vocational training, support for vocational training in the workplace and professional development of staff;
- development of ethical and socially accepted norms of conduct in business relations.

| Name | www | Regions |
|---|--|-------------|
| International Group of Chambers of Commerce in Poland | www.kig.pl | Mazowieckie |
| Polish Chamber of Commerce for Importers, Exporters and Cooperation | www.igcc.pl | Mazowieckie |
| Polish Chamber of Commerce for High Technology (IZTECH) | www.pcc.org.pl | Mazowieckie |
| "FARMACJA POLSKA" Chamber of Commerce | www.iztech.pl | Mazowieckie |
| Polish Economic Chamber of Renewable Energy (PIGEO) | www.farmacja-polska.org.pl | Mazowieckie |

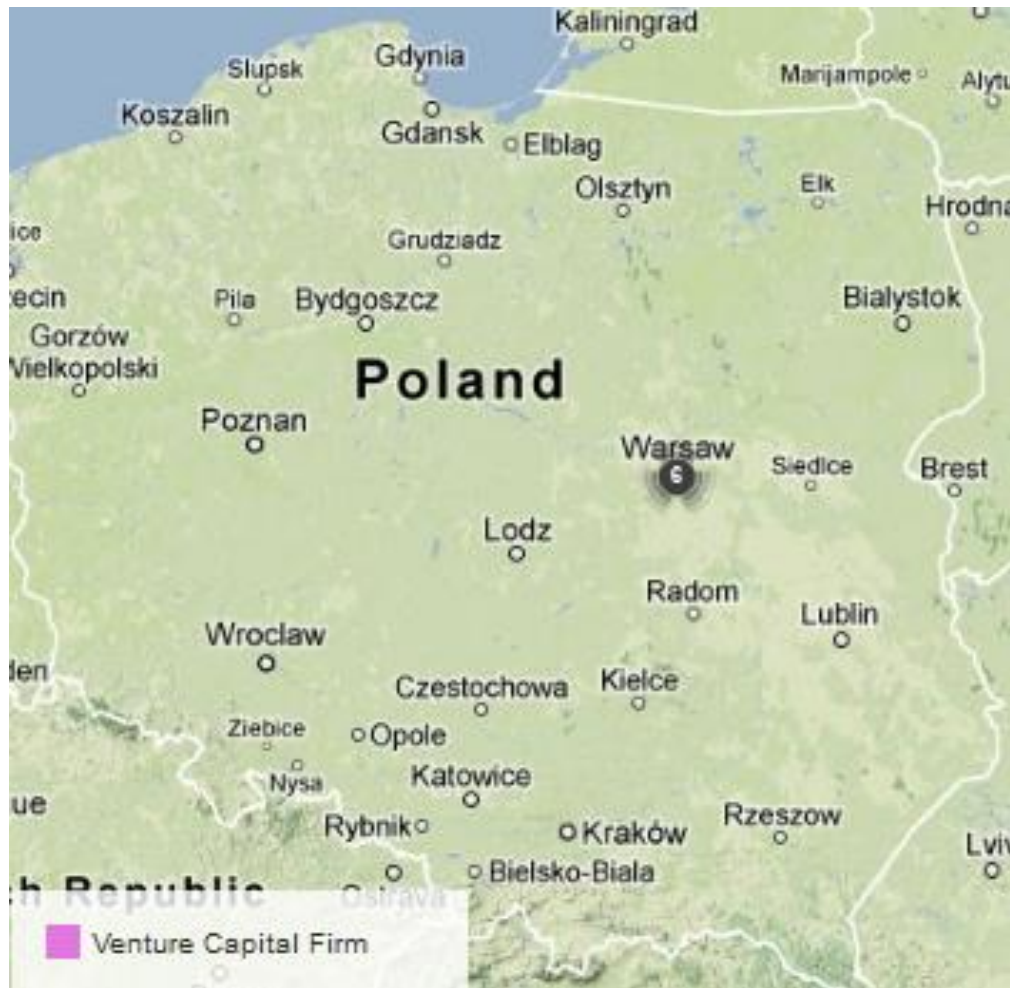
Map of a chamber of commerce in Poland



VENTURA CAPITAL FIRM

| Name | www | Regions |
|--------------------------|--|-------------|
| Enterprise Investors | www.ei.com.pl | Mazowieckie |
| Innova Capital | www.innovacap.com | Mazowieckie |
| Krokus PE | www.krokuspe.pl | Mazowieckie |
| Oresa Ventures Sp. z o.o | www.oresaventures.com | Mazowieckie |
| Renaissance Partners | www.rp.com.pl | Mazowieckie |
| Royalton Partners | www.royalton-partners.com | Mazowieckie |

Map of a ventura capital firms in Poland





SWEDEN

The most recent figures for Sweden on R&D intensity are 3.6% (1.06% public + 2.54% private). This is still below its probable peak level of 2001 (4.18% of GDP). The downward variation is mainly due to changes in private sector R&D investments. In view of 2020, Sweden is considering a preliminary national R&D target of 4% of GDP. Given the trend scenario presented below, a 4% R&D intensity target is realistic given that both public and private R&D investments are increasing. In its most recent research bill, for the period 2009–2012, the government substantially increased its R&D expenditures, despite the financial crisis at the time. In this research bill, public R&D expenditures identified ‘strategic areas’ for research and innovation in Sweden in the coming years, in particular medicine, technology and climate.

A Boost to Research and Innovation (Government Bill of 2008) establishes technology transfer offices at eight universities promoting innovation and the use and transfer of knowledge in order to facilitate commercialisation of research results.

The governmental agency VINNOVA also promotes sustainable growth by financing RTD within areas as technology, transport, communication and working life, and developing effective innovation systems. VINNOVA was granted EUR 10 million by the government for doctoral candidates in order to increase the number of industry-based doctoral students. The VINN Excellence Centres (2004-15) are developed by the Swedish Competence Centres Programme (Centres of Excellence in Research and Innovation) and aim to strengthen the crucial link in the Swedish National Innovation System between academic research groups and industrial R&D.

CLUSTERS

List of major clusters in Sweden:

| Name | www | Regions |
|--|--|---------------------|
| Acusticum | www.acusticum.com | Övre Norrland |
| ADA | www.adasweden.se | Västsverige |
| Advantage Hardwood | webnews.textalk.com/en/view.phtml... | Västsverige |
| Aluminiumriket | www.aluminiumriket.com | Småland med öarna |
| Automation Technology Cluster of West Sweden | www.atcw.se | Västsverige |
| Automotive Sweden | www.automotivesweden.se | Västsverige |
| Baltic Master II | www.balticmaster.org/index.aspx?... | Sydsverige |
| Bioenergicentrum Halland | www.energyconcepthalland.se/start-2 | Västsverige |
| BioFuel Region | www.biofuelregion.se | Övre Norrland |
| Biogas West | www.businessregiongoteborg.com/h... | Västsverige |
| BioMedley.com | www.biomedley.com | Östra Mellansverige |

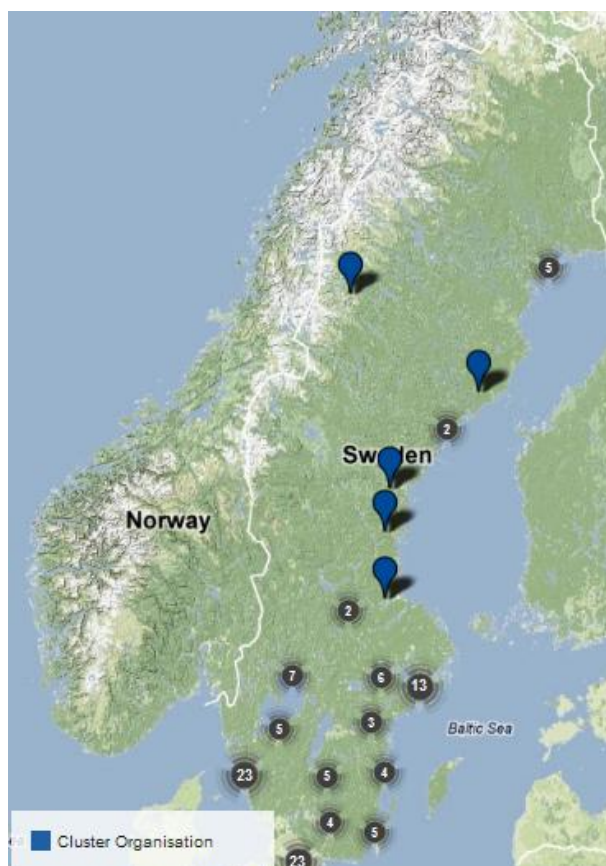
| | | |
|--|--|---------------------|
| BIOMIME | www.biomime.org/ | Stockholm |
| Biotech Valley | www.biotechvalley.nu | Östra Mellansverige |
| Brewhouse Innovation | www.brewhouse.se | Västsverige |
| CBioPT | www.biotech.kth.se/cbiopt | Stockholm |
| Center for Surface and Microstructure Technology | www.summit.material.uu.se/summit | Östra Mellansverige |
| Center of Visualization Göteborg | www.center-of-visualization.org | Västsverige |
| Centre of Finance Excellence Göteborg | www.businessregiongoteborg.com/h... | Västsverige |
| CERC | www.chalmers.se | Västsverige |
| CHARMEC | www.charmec.chalmers.se | Västsverige |
| CID | cid.nada.kth.se/en/ | Stockholm |
| Cleantech | www.cinns.se/english/start | Sydsverige |
| Cleantech InWest | www.businessregiongoteborg.com/h... | Västsverige |
| CLUSTER 55° | cluster55.org | Sydsverige |
| Compare IT | www.compare.se | Norra Mellansverige |
| CPM | www.cpm.chalmers.se | Västsverige |
| CTT | www.speech.kth.se/ctt/ | Stockholm |
| DalaBIT | www.dalabit.se | Norra Mellansverige |
| Dunkers Kulturhus | www.dunkerskulturhus.se/template... | Sydsverige |
| Event in Skåne | www.skane.com/cmarter/cmarter.as... | Sydsverige |
| Fiber Optic Valley | www.fiberopticvalley.se | Norra Mellansverige |
| Film i Väst | www.filmivast.se | Västsverige |
| Film in Skåne | www.filmiskane.se | Sydsverige |
| Filmpool Nord | www.fpn.se | Övre Norrland |
| Fjärde Storstadsregionen | www.eastsweden.com | Östra Mellansverige |
| Forskarpatent | www.forskarpatent.com | Sydsverige |

| | | |
|---------------------------------|--|---------------------|
| Future Position X | www.fpx.se | Norra Mellansverige |
| GöteborgBIO | www.goteborgbio.se | Västsverige |
| Heavy Vehicles | www.tungafordon.com | Småland med öarna |
| High Temperature Corrosion | www.chalmers.se/en/sections/rese... | Västsverige |
| HomeCom | www.homecom.se | Östra Mellansverige |
| Hälsoteknikalliansen | www.halsoteknik.com | Västsverige |
| IDEA Plant | www.ideaplant.com | Östra Mellansverige |
| Industri 45 | www.industri45.net | Övre Norrland |
| Industriellt Distrikt Skaraborg | www.idskaraborg.nu | Västsverige |
| Innovation i Gränsland | www.innovationigransland.se | Sydsverige |
| Innovatum | www3.innovatum.se/innovatum | Västsverige |
| Internet Bay | www.internetbay.nu | Övre Norrland |
| Invest in Norbotten | www.nll.se/webb/Landstingsdirekt... | Övre Norrland |
| IUC Sydpoolen | www.iucsydpoolen.se | Småland med öarna |
| IUC Wermland | www.iucwermland.se | Norra Mellansverige |
| Kalmar Bioscience | www.kalmarbioscience.se | Småland med öarna |
| KCEM | www.kcem.se | Östra Mellansverige |
| Köksriket | www.koksriket.se | Västsverige |
| Livets Nya Verktyg | www.livetsnyaverktyg.org | Östra Mellansverige |
| Livsmedel i Väst | www.livsmedelivast.nu | Västsverige |
| Logistic Hub Scandinavia | www.businessregiongoteborg.com/h... | Västsverige |
| Mat21 | www-mat21.slu.se | Östra Mellansverige |
| MedCoast Scandinavia | www.medcoast.org | Västsverige |
| Medicon Valley Alliance | www.mva.org/?gclid=CMSo5daMu54CF... | Denmark; Sydsverige |
| Microwave Road | www.microwaveroad.se | Västsverige |

| | | |
|----------------------------------|--|---------------------|
| MINC | www.minc.se | Sydsverige |
| Mobile Heights | www.mobileheights.org/index.1-24... | Sydsverige |
| Moving Media Sourn Sweden | www.movingmediasouth.se | Sydsverige |
| Möbelriket Furniture Kingdom | www.mobelriket.se | Småland med öarna |
| Nano Øresund | www.nano-oresund.org | Denmark; Sydsverige |
| NIMED | www.imt.liu.se/NIMED/ | Östra Mellansverige |
| Packaging Mid Sweden | www.packagingmidsweden.com | Mellersta Norrland |
| Petrochemicals | www.businessregiongoteborg.com/h... | Västsverige |
| PLUS | www.chalmers.se | Västsverige |
| Polymercentrum i Östbo-Västbo AB | www.polymercentrum.se | Småland med öarna |
| ProcessIT Innovations | www.processitinnovations.se | Övre Norrland |
| Processum | http://www.processum.se/eng/sida... | Mellersta Norrland |
| ProNano | www.pronano.com | Sydsverige |
| PSCI | www.psci.kth.se | Stockholm |
| PUCK | www.puck.se | Småland med öarna |
| Robotdalen | www.robotdalen.se | Östra Mellansverige |
| Rock City | www.rockcity.se | Småland med öarna |
| S-SENCE | www.ifm.liu.se/applphys/S-SENCE | Östra Mellansverige |
| Sahlgrenska Science Park | www.sahlgrenskasciencepark.se | Västsverige |
| Samväte i Väst | www.etcab.se/vatgas | Västsverige |
| Skärteknikcentrum | www.skarteknikcentrum.nu | Småland med öarna |
| Skånes Livsmedelsakademi | www.livsmedelsakademin.se | Sydsverige |
| SNAP | www.yki.se | Stockholm |
| Soft Center Network Ronneby | www.softcenter.net | Sydsverige |
| Subtopia | www.subtopia.se | Stockholm |

| | | |
|---------------------------------|--|-----------------------------|
| Sustainable Sweden Southeast AB | www.sustainable-sweden.se | Småland med öarna |
| Sweden Logistics | www.swedenlogistics.se | Västsverige |
| Swedish Maritime Forum | www.maritimeforum.se | Stockholm |
| Teknocenter | www.teknocenter.se | Västsverige |
| Teknopol | www.teknopol.se | Sydsverige |
| Teknoseed | www.teknoseed.se | Sydsverige |
| Telecom City | www.telecomcity.org | Sydsverige |
| Telematics Valley | www.telematicsvalley.com | Västsverige |
| The Energy Square | www.energysquare.se | Norra Mellansverige |
| The Packaging Arena | www.packagingarena.com | Norra Mellansverige |
| The Paper Province | www.paperprovince.com | Sweden; Norra Mellansverige |
| Triple Steelix | www.triplesteelix.se | Norra Mellansverige |
| Träcentrum Nässjö | www.tracentrum.se | Småland med öarna |
| Träriket | www.trariket.se | Sydsverige |
| Trätårtan | www.tratartan.com | Småland med öarna |
| Union Wood | www.unionwood.se | Norra Mellansverige |
| Uppsala BIO | www.uppsalabio.se | Östra Mellansverige |
| Uppsala Innovation Centre UIC | www.uic.se/index.php?page=om-iuc | Östra Mellansverige |
| Uppsala Seed Capital | www.uppsalaseedcapital.se | Östra Mellansverige |
| Vingåker Energetic Science Park | www.vesp.se | Östra Mellansverige |
| WURC | www-wurc.slu.se | Östra Mellansverige |
| Ystad Studios | www.ystadstudios.se/in_english.aspx | Sydsverige |
| yWood | www.ywood.se | Mellersta Norrland |
| Östra Skånes Konstnärsgille | www.oskg.nu | Sydsverige |
| Øresund Logistics | www.orelog.org | Sydsverige |

Map of a clusters in Sweden



NATIONAL AGENCY

| Name | www | Regions |
|---|--|-------------|
| Swedish Agency For Economic And Regional Growth | www.tillvaxtverket.se | Stockholm |
| Invest in Sweden Agency | www.isa.se/Global | Stockholm |
| Swentec - Sveriges miljöteknikråd | swentec.se | Västsverige |
| Foundation for Strategic Environmental Research | www.mistra.org | Stockholm |
| Exportrådet | www.tradewithsweden.com/about | Stockholm |
| Industrifonden | www.industrifonden.se/index.asp | Stockholm |
| ALMI Företagspartner AB | www.almi.se | Stockholm |
| VINNOVA | www.vinnova.se | Stockholm |
| Innovationsbron | www.innovationsbron.se/Om-Innova... | Stockholm |

Map of national agency in Sweden



REGIONAL AGENCY

| Name | www | Regions |
|----------------|--|---------------------|
| Region Uppsala | www.region uppsala.se/?pageID=107 | Östra Mellansverige |
| STUNS | www.stuns.se | Östra Mellansverige |
| Region Skåne | www.skane.se/templates/Page.aspx... | Sydsverige |

| | | |
|---|--|---------------------|
| IT Center West | www.businessregiongoteborg.com/h... | Västsverige |
| Region Värmland | www.regionvarmland.se/index.asp?... | Norra Mellansverige |
| Regional Cooperation Council of Dalarna | www.regiondalarna.se/sv/Verksamh... | Norra Mellansverige |
| Region Gävleborg | www.regiongavleborg.se/2.29cc6e1... | Norra Mellansverige |
| Regional Council of Blekinge | www.regionblekinge.eu/region-ble... | Sydsverige |
| Halland Regional Development Council | www.regionhalland.se/extra/pod/?... | Västsverige |
| Business Region Skåne | www.skane.com/cmarter/cmarter.as... | Sydsverige |
| Rådet för regional utveckling i Jämtlands län | www.region.jamtland.se | Mellersta Norrland |
| Innovation Västerbotten | www.innovationvasterbotten.com | Övre Norrland |
| Luleå Näringsliv AB | www.lnab.se | Övre Norrland |
| Stockholm Business Region | www.stockholmbusinessregion.se/t... | Stockholm |
| Almi Företagspartner Jämtland AB | www.jamtland.almi.se | Mellersta Norrland |
| Almi Företagspartner Jönköping AB | www.eenjonkoping.se | Småland med öarna |
| Almi Företagspartner Kronoberg AB | www.enterpriseurope.se | Småland med öarna |
| Almi Företagspartner Västernorrland AB | www.vasternorrland.se | Mellersta Norrland |
| Almi Företagspartner Örebro AB | www.enterpriseurope.se/orebro | Östra Mellansverige |
| Business Region Göteborg AB | www.enterpriseeuropewest.se | Västsverige |
| Invest in Skåne AB | www.skane.com/invest | Sydsverige |
| Länstekniskt Centrum Kramfors | www.ltck.se | Mellersta Norrland |
| Stiftelsen Europa Institutet | www.eiv.u.se | Östra Mellansverige |
| Stiftelsen Teknikdalen | www.teknikdalen.se | Norra Mellansverige |
| Uminova Innovation AB | www.uminova.se | Övre Norrland |
| Business Region Göteborg | http://www.businessregiongotebor... | Västsverige |
| Turism in Skåne | www.skane.com/cmarter/cmarter.as... | Sydsverige |
| Region Västra Götaland | www.vgregion.se/en/Vastra-Gotala... | Västsverige |

Map of a regional agency in Sweden

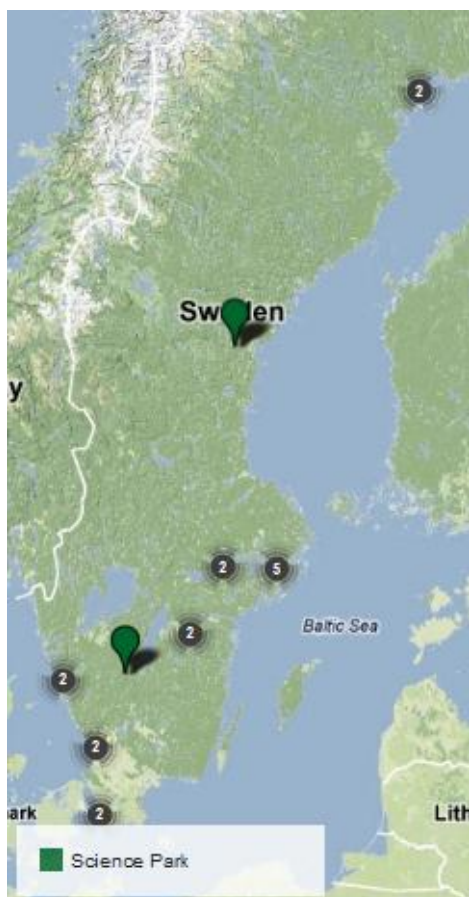


SCIENCE PARKS

| Name | www | Regions |
|--------------------------|--|---------------------|
| Mjärdevi Science Park AB | www.mjardevi.se | Östra Mellansverige |
| Krinova Science Park | www.krinova.se | Sydsverige |
| Medeon | www.medeon.se | Sydsverige |
| Ideon Science Park | www.ideon.se | Övre Norrland |
| Aurorum Science Park | www.aurorum.se | Västsverige |
| Science Park Halmstad | www.scienceparkhalmstad.se/web/g... | Östra Mellansverige |
| Norrköping Science Park | www.nosp.se | Östra Mellansverige |

| | | |
|---------------------------------------|--|---------------------|
| Science for Life Laboratory | www.scilifelab.se | Stockholm |
| Kista Science City | www.kista.com | Stockholm |
| Åkroken Science Park | www.akroken.se | Mellersta Norrland |
| Chalmers Science Park | www.chalmerssciencepark.com | Västsverige |
| Eskilstuna Jernmanufaktur AB | www.munktellsciencepark.se | Östra Mellansverige |
| Karolinska Institutet Science Park AB | www.ki.se/sciencepark | Stockholm |
| Lindholmen Science Park AB | www.lindholmen.se/ext/index_en.php | Västsverige |
| Science Park Jönköping | www.sciencepark.se | Småland med öarna |
| Silverdal Science Park | www.silverdal.se | Stockholm |
| Solander Science Park | www.solandersciencepark.se | Övre Norrland |
| Västerås Science Park AB | www.vasterassciencepark.se | Östra Mellansverige |
| Stockholm Science City | www.ssci.se | Stockholm |

Map of a science parks in Sweden



VENTURA CAPITAL FIRM

| Name | www | Regions |
|---------------------------|--|---------------------|
| Accent Equity Partners AB | www.accentequity.se | Stockholm |
| Altor Equity Partners AB | www.altor.com | Norra Mellansverige |
| Creandum II Advisor AB | www.creandum.com | Stockholm |
| HealthCap | www.healthcap.se | Västsverige |
| InnovationsKapital | www.innkap.se | Stockholm |
| Litorina Kapital | www.litorina.se | Stockholm |
| Pod Venture Partners AB | www.podventurepartners.com | Stockholm |
| Priveq Investment | www.priveq.se | Stockholm |
| Segulah Advisor AB | www.segulah.se | Stockholm |

Map of a ventura capital firms in Sweden



SUMMARY

Transnational collaboration between neighbouring countries can make significant contributions to the prosperity of the region in question. Economic research provides significant evidence that neighbouring countries are often partners in terms of trade and investment. Removing barriers to flows of goods, services, capital, ideas, and people thus has a clear potential to raise prosperity. This is the fundamental argument that, together with a strong political will to improve security and democracy, has driven regional collaboration in the Baltic Sea Region since 1990. It is particularly important for a region that is largely made of smaller economies that have little option of ‘going it alone’. Effective collaboration must take into account the status of the region and its countries in terms of their competitive positions in the global economy.

In today’s globalised and highly competitive world, many countries are increasingly reliant on their ability to work with other countries in order to ensure the successful implementation of national priorities. For the countries of the Baltic Sea Region, this is nothing new. For centuries, the countries of this European macro-region have traded together, studied and researched together, bought and sold each other’s companies, and formed formal transnational cooperation with another. Driven by a need to create a stronger voice and more competitive position globally, these types of activities have intensified in recent years. Many stakeholder groups are looking for ways to strengthen cooperation – on all levels – in the Baltic Sea Region (BSR). The aim is to form a functional hub from which broader international collaboration can take place.

The Baltic Sea Region is now more globalised and interconnected than ever before. The challenges of globalisation cannot be met by countries acting in isolation. The nature of the challenges presently faced requires countries and regions to take action individually and jointly. Strengthening the Region’s global competitiveness is necessary to emerge from the current economic crisis and reach long-term goals. Ambitious and highly-demanding measures at the national level must be complemented by stronger links with neighbours and with global partners. One means of furthering welfare and growth of the Baltic Sea region is to pool resources and utilise expertise and know-how in a more strategic way.

Countries must work together to raise the importance and visibility of the Region in the global economy.



FUNDACJA
INICJATYW
INNOWACYJNYCH



DEUTSCHES
ELEKTRONEN
SYNCHROTRON