



Baden-Württemberg

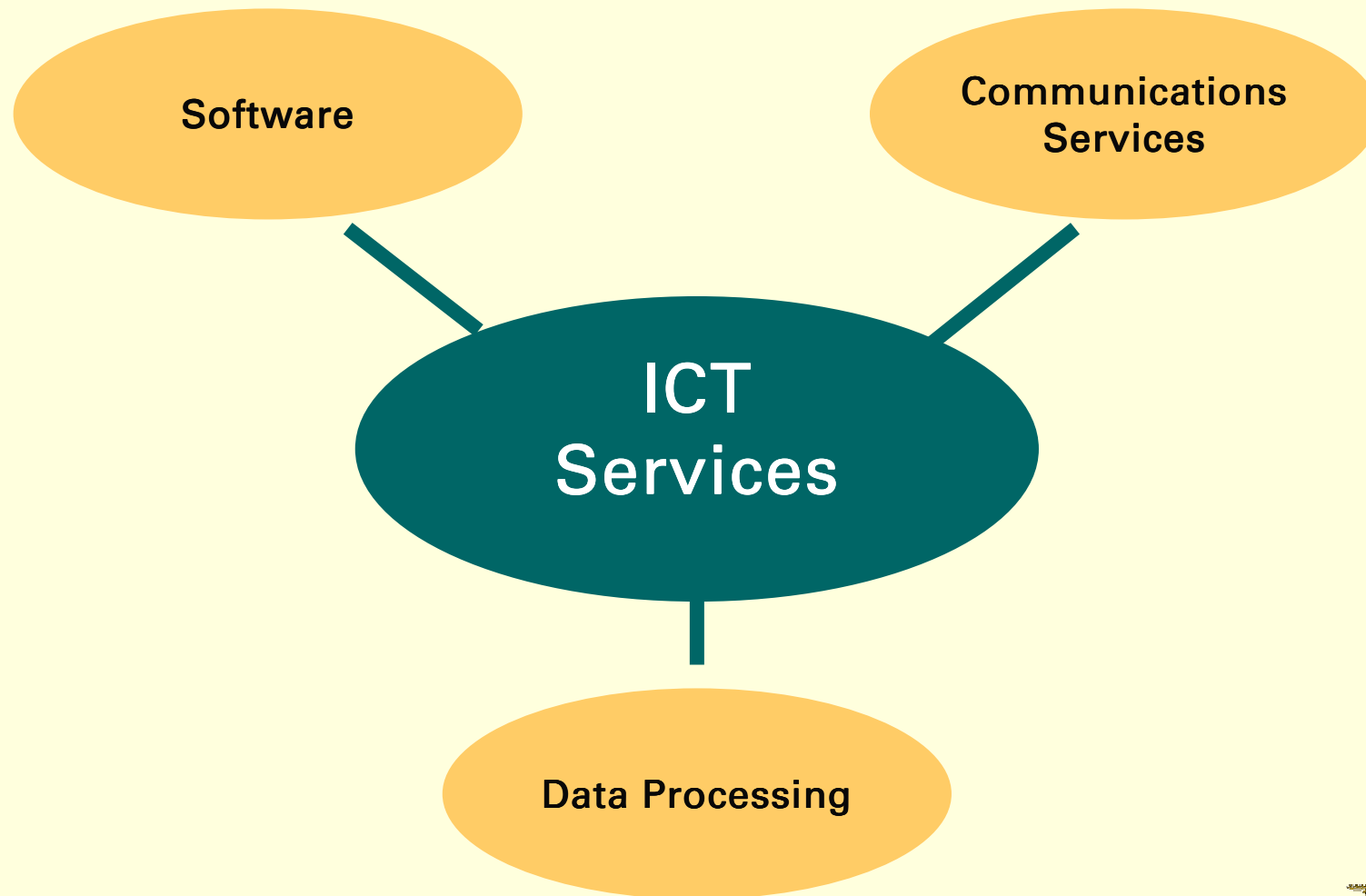
ICT Services

# A Cluster of Leading Global ICT Players in Baden-Württemberg

- The information and communications technology (ICT) market in the EU is growing steadily. The industry is expected to expand by about 3 percent annually in the following years.
- Software, telecommunications and data processing services are essential for all industries when it comes to efficiently manufacturing products and delivering services.
- Baden-Württemberg is an international frontrunner in ICT:
  - Local companies specializing in enterprise software and related services generate the second highest aggregate revenues in the world (second only to Silicon Valley). The region is home to global players, such as SAP and IBM
  - Leading telecommunications service providers, such as Alcatel, debitel and web.de, are headquartered in Baden-Württemberg
  - GFT Technologies AG, Germany's second largest provider of new-media solutions, is located in Baden-Württemberg
- Baden-Württemberg is an ideal location for ICT players. As well as a wide range of specialized university courses, the region has excellent research and technology-transfer facilities, six software centers, and established industry networks.

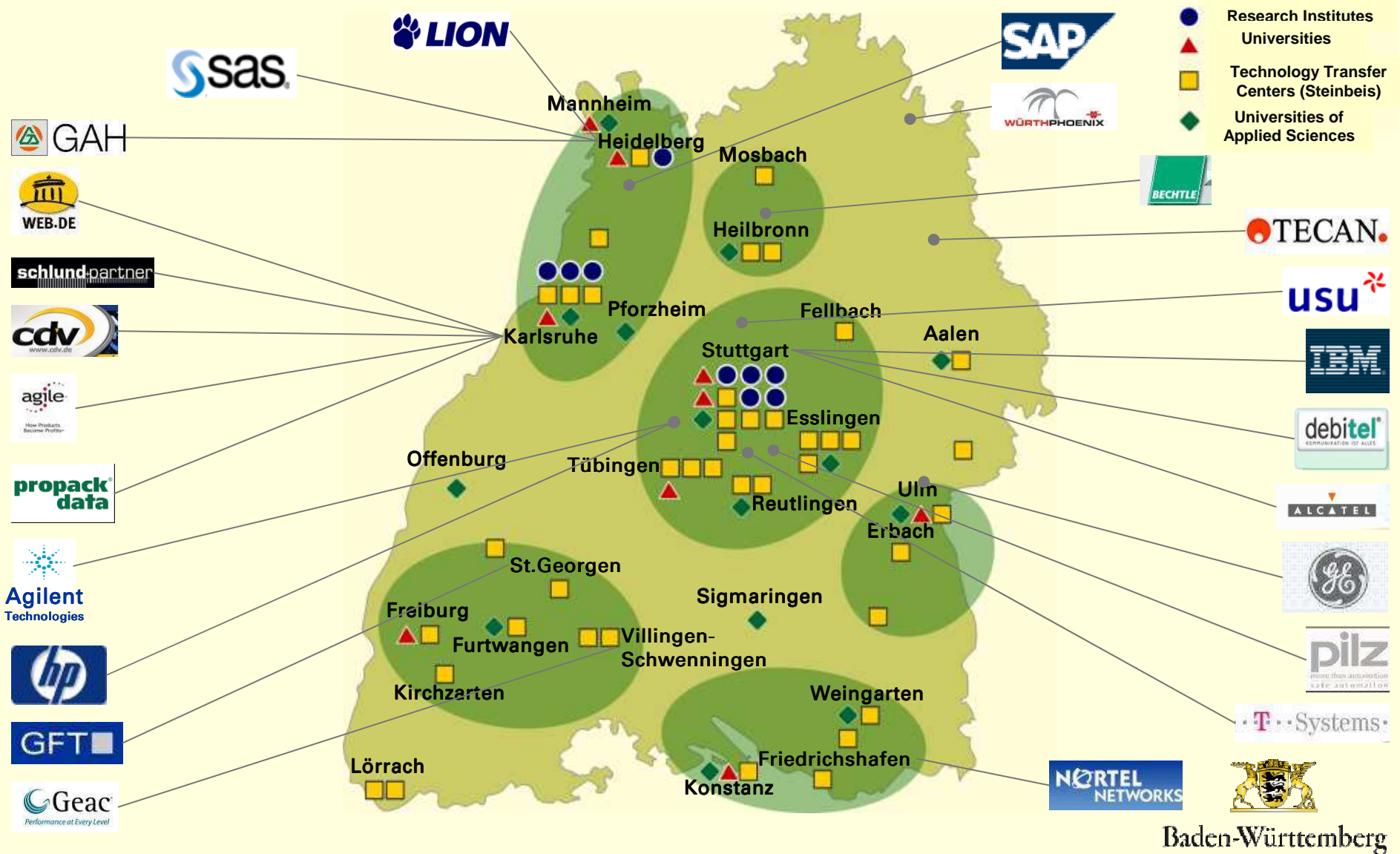


# Structure of the ICT Services sector



# Regional Centers in Cluster ICT Services

(Relevant research institutes, universities and examples of important enterprises)



# ICT Services – Selected Companies



**GE Healthcare Information Technologies GmbH & Co. KG, Dornstadt**  
<http://www.gehealthcare.com>



**IBM Deutschland Entwicklung GmbH, Böblingen; IBM Deutschland GmbH, Stuttgart**  
<http://www.ibm.com>



**Agilent Technologies, Böblingen**  
<http://www.agilent.com>



**Hewlett Packard GmbH, Böblingen**  
<http://www.hp.com>



**Baden-Württemberg**

# ICT Services – Selected Companies



**Nortel Networks Germany GmbH & Co. KG, Friedrichshafen**

<http://www.nortel.com>



**T-Systems Enterprise Services GmbH, Leinfelden-Echterdingen**

<http://www.t-systems.com>



**PILZ GmbH & Co., Ostfildern**

<http://www.pilz.com>



**SAS Institute GmbH, Heidelberg**

<http://www.sas.com>



**Baden-Württemberg**

# ICT Services – Selected Companies



Lion Bioscience AG, Heidelberg

<http://www.lionbioscience.com>



GAH Beteiligungs AG, Heidelberg

<http://www.gah-ag.de>



Schlund + Partner AG, Karlsruhe

<http://www.schlund.de>



CDV Software Entertainment AG, Karlsruhe

<http://www.cdv.de>



Baden-Württemberg

# ICT Services – Selected Companies



**Agile Software GmbH, Karlsruhe**

<http://www.agile.com>



**WEB.DE AG, Karlsruhe**

<http://www.web.de>



**Propack Data GmbH, Karlsruhe**

<http://www.rockwellautomation.com/propack-data>



**USU AG, Möglingen**

<http://www.usu.de>



**Baden-Württemberg**

# ICT Services – Selected Companies



**GFT Technologies AG, St. Georgen**

<http://www.gft.com>



**Würth Phoenix GmbH, Bad Mergentheim**

<http://www.wuerth-phoenix.com>



**SAP AG, Walldorf**

<http://www.sap.com>



**Tecan Deutschland GmbH, Crailsheim**

<http://www.tecan.com>



**Baden-Württemberg**

# ICT Services – Selected Companies



**Bechtle AG, Neckarsulm**

<http://www.bechtle.com>



**Geac Enterprise Solutions Deutschland GmbH, Villingen-Schwenningen**

<http://www.geac.com>



**Alcatel SEL AG, Stuttgart**

<http://www.alcatel.com>



**debitel AG, Stuttgart**

<http://www.debitel.com>



**Baden-Württemberg**

# ICT Services – Regional Centers – Selected Companies

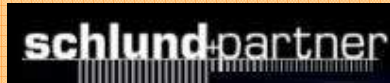
Würth Phoenix GmbH, Bad Mergentheim

Lion Bioscience AG, Heidelberg

GAH Beteiligungs AG, Heidelberg

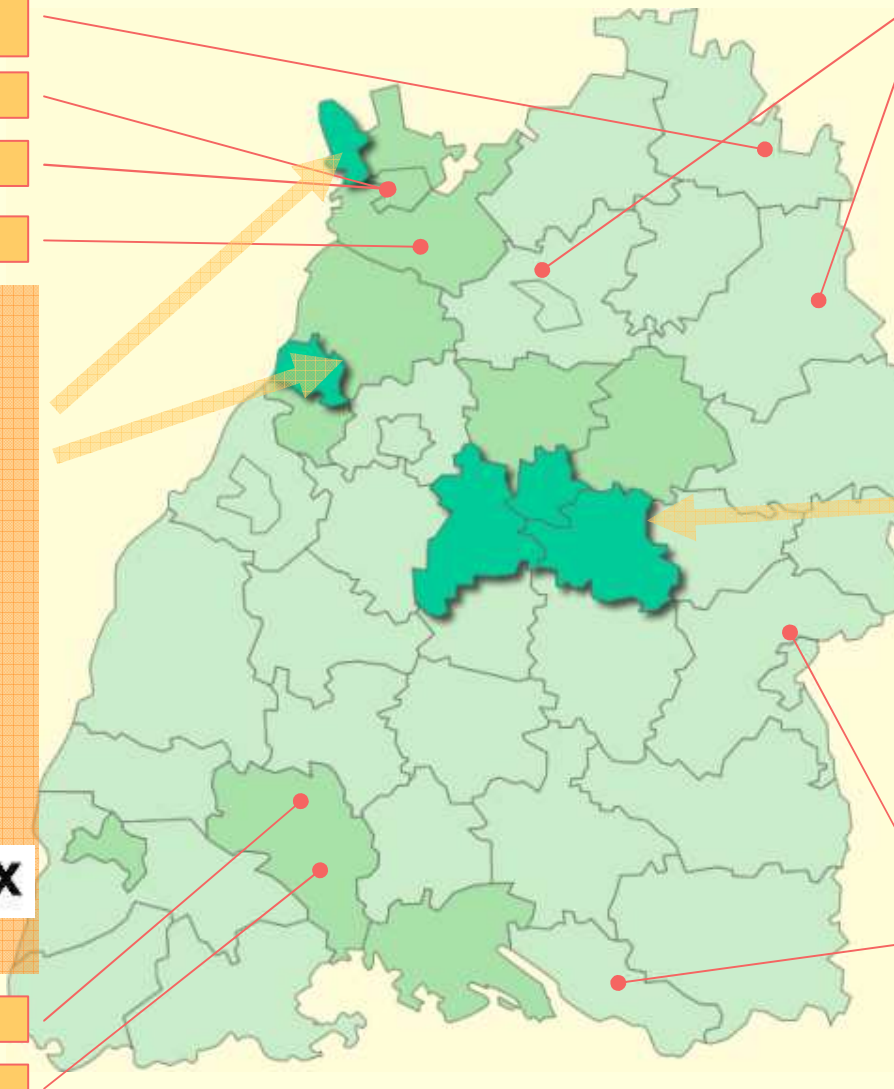
SAP AG, Walldorf

Karlsruhe, Mannheim



GFT Technologies AG, St. Georgen

Geac Enterprise Solutions Deutschland GmbH, Villingen-Schwenningen



Bechtle AG, Neckarsulm

Tecan Deutschland GmbH, Crailsheim

Stuttgart, Esslingen, Böblingen



GE Medical Systems Information Technologies SW GmbH & Co.KG, Dornstadt

Nortel Networks Germany GmbH & Co. KG, Friedrichshafen



Baden-Württemberg

# ICT Services – Regional Centers



## Stuttgart, Böblingen, Esslingen (1):

- IBM Deutschland Entwicklung GmbH (Böblingen)
- Agilent Technologies Deutschland GmbH (Böblingen)
- Hewlett Packard GmbH (Böblingen)
- SerCon - Service-Konzepte für Informations-Systeme GmbH (Ehningen)
- caatoosee ag (Leonberg)
- Seagull Deutschland GmbH (Böblingen)
- System Design GmbH (Leonberg)
- Advanced Technology Consulting GmbH (Böblingen)
- BERATA GmbH (Böblingen)
- LogicLine EDV-System Service GmbH (Sindelfingen)
- Kroll Ontrack GmbH (Böblingen)
- plenum stoll & fischbach Communication GmbH (Herrenberg)
- T-Systems Enterprise Services GmbH (Leinfelden-Echterdingen)
- PILZ GmbH & Co. (Ostfildern)
- Minol Messtechnik W. Lehmann (Leinfelden-Echterdingen)
- KUMATronik Systemhaus GmbH (Leinfelden-Echterdingen)
- COR AG Insurance Technologies (Leinfelden-Echterdingen)
- Gemplus GmbH (Filderstadt)



# ICT Services – Regional Centers



## Stuttgart, Böblingen, Esslingen (2):

- GFN Training GmbH (Leinfelden-Echterdingen)
- Creative Software GmbH (Weilheim)
- enteo Software GmbH (Filderstadt)
- BTB GmbH (Leinfelden-Echterdingen)
- Six Offene Systeme GmbH (Stuttgart)
- Alcatel SEL AG (Stuttgart)
- IBM Deutschland GmbH (Stuttgart)
- debitel AG (Stuttgart)
- Atos Origin GmbH (Stuttgart)
- Vector Informatik GmbH (Stuttgart)
- Danet GmbH (Stuttgart)
- TeleCash Kommunikations-Service GmbH (Stuttgart)
- Interflex Datensysteme GmbH & Co. KG (Stuttgart)
- Versatel Süd-Deutschland GmbH (Stuttgart)
- sd&m AG (Stuttgart)
- Tecnomatix Technologies GmbH (Stuttgart)
- CENIT AG (Stuttgart)
- Cap Gemini Deutschland GmbH (Stuttgart)
- Heiler Software Ag (Stuttgart)



# ICT Services – Regional Centers

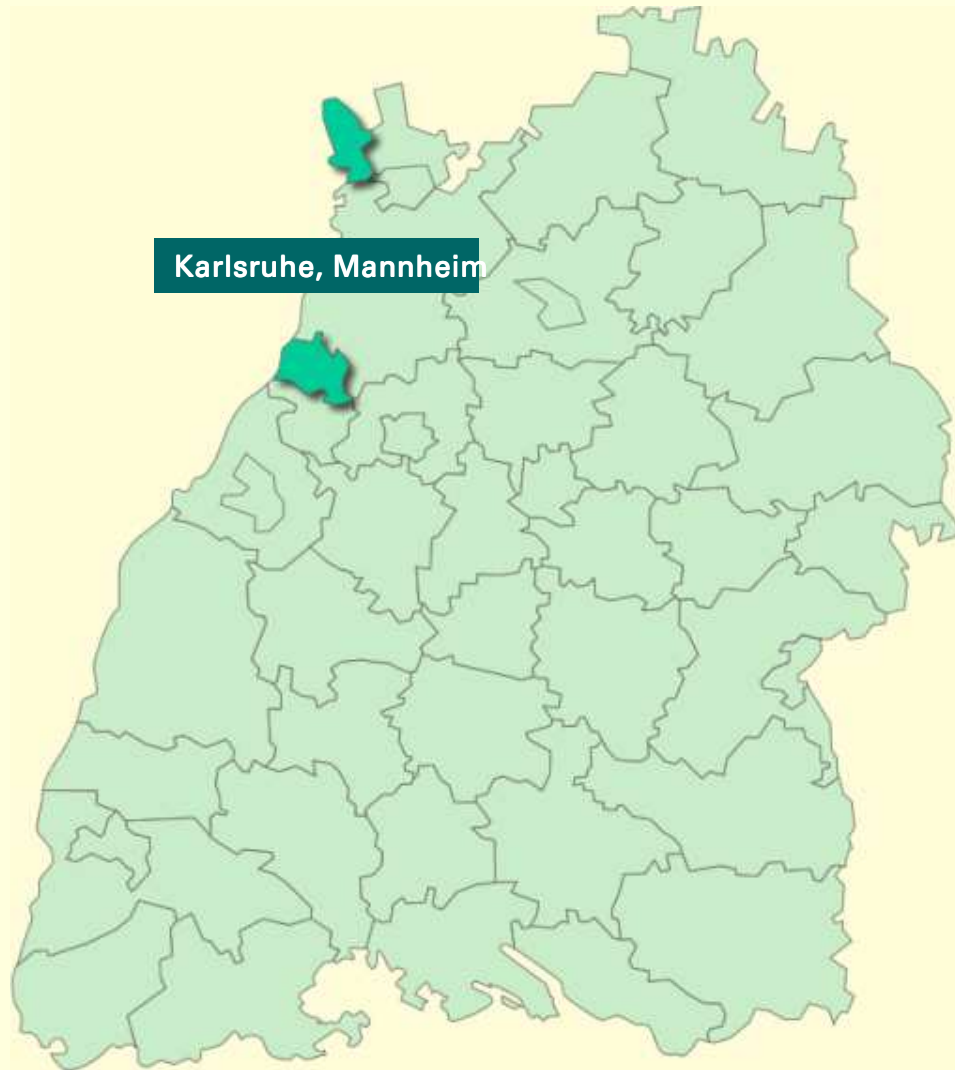


## Stuttgart, Böblingen, Esslingen (3):

- abaXX Technology AG (Stuttgart)
- AC-Service AG (Stuttgart)
- netvico GmbH (Stuttgart)
- M,P,NEWMEDIA, GmbH Stuttgart (Stuttgart)
- WBS Training AG (Stuttgart)
- Q-Labs Software Engineering GmbH (Stuttgart)
- Fichtner Consulting & IT AG (Stuttgart)
- Tenovis Comergo GmbH (Stuttgart)
- RIB Bausoftware GmbH (Stuttgart)
- EUWAX Broker AG (Stuttgart)
- dmc digital media center GmbH (Stuttgart)



# ICT Services – Regional Centers



## **Karlsruhe, Mannheim (1):**

- WEB.DE AG (Karlsruhe)
- CDV Software Entertainment AG (Karlsruhe)
- Propack Data GmbH (Karlsruhe)
- Agile Software GmbH (Karlsruhe)
- Schlund + Partner AG (Karlsruhe)
- EnBW Energie Baden-Württemberg AG (Karlsruhe)
- FIDUCIA IT AG Karlsruhe (Karlsruhe)
- Barco Control Rooms GmbH (Karlsruhe)
- ABAS Software AG (Karlsruhe)
- ORGA Gesellschaft für automatische Datenverarbeitung mbH (Karlsruhe)
- Init - Innovation in traffic systems AG (Karlsruhe)
- PTV Planung Transport Verkehr AG (Karlsruhe)
- reinisch AG (Karlsruhe)
- Map&Guide GmbH (Karlsruhe)
- AP Automation + Productivity AG (Karlsruhe)
- TransCAT GmbH & Co. KG (Karlsruhe)
- CAS Software AG (Karlsruhe)
- Infotechnik Rietschel GmbH (Karlsruhe)



# ICT Services – Regional Centers

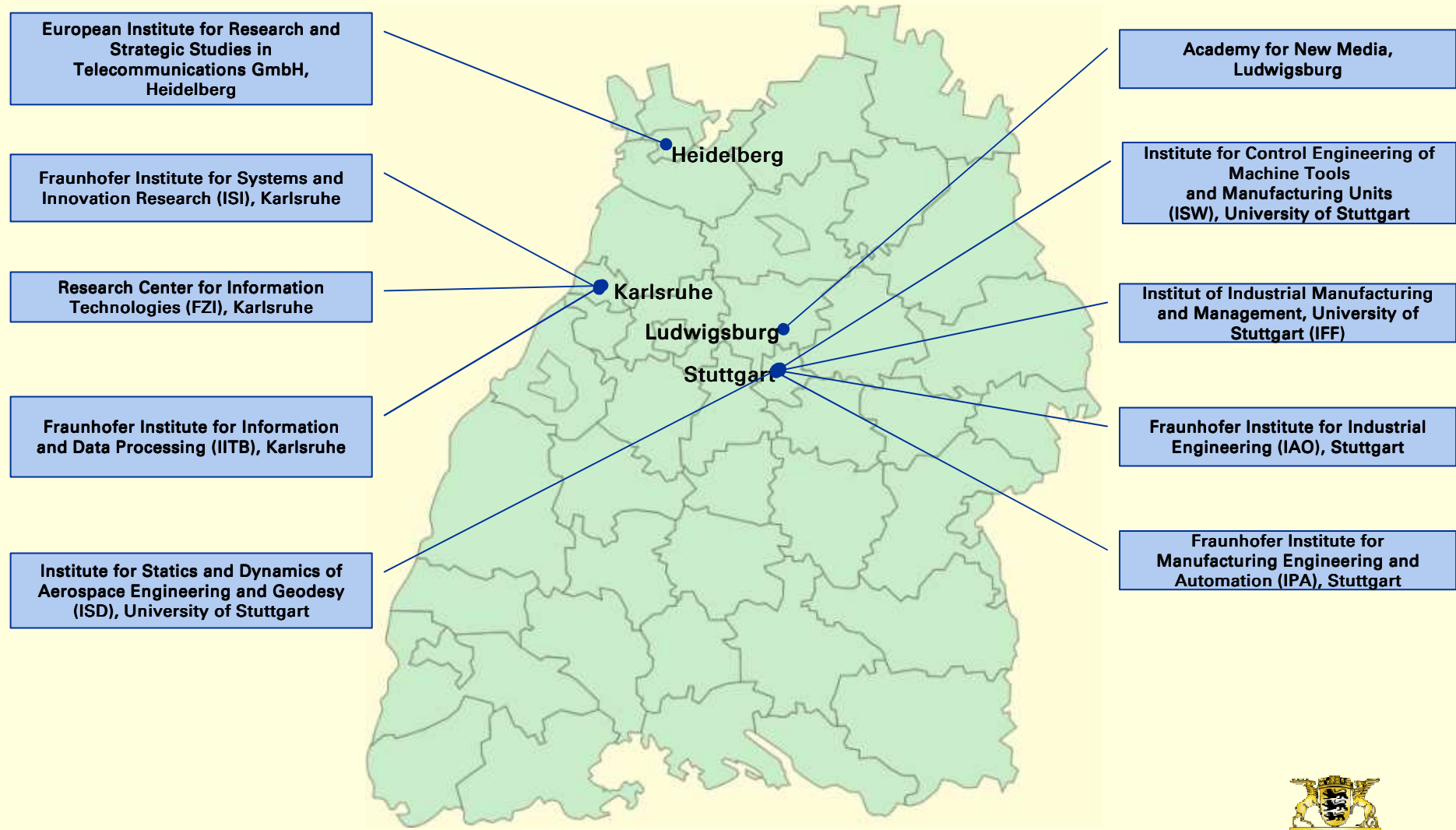


## **Karlsruhe, Mannheim (2):**

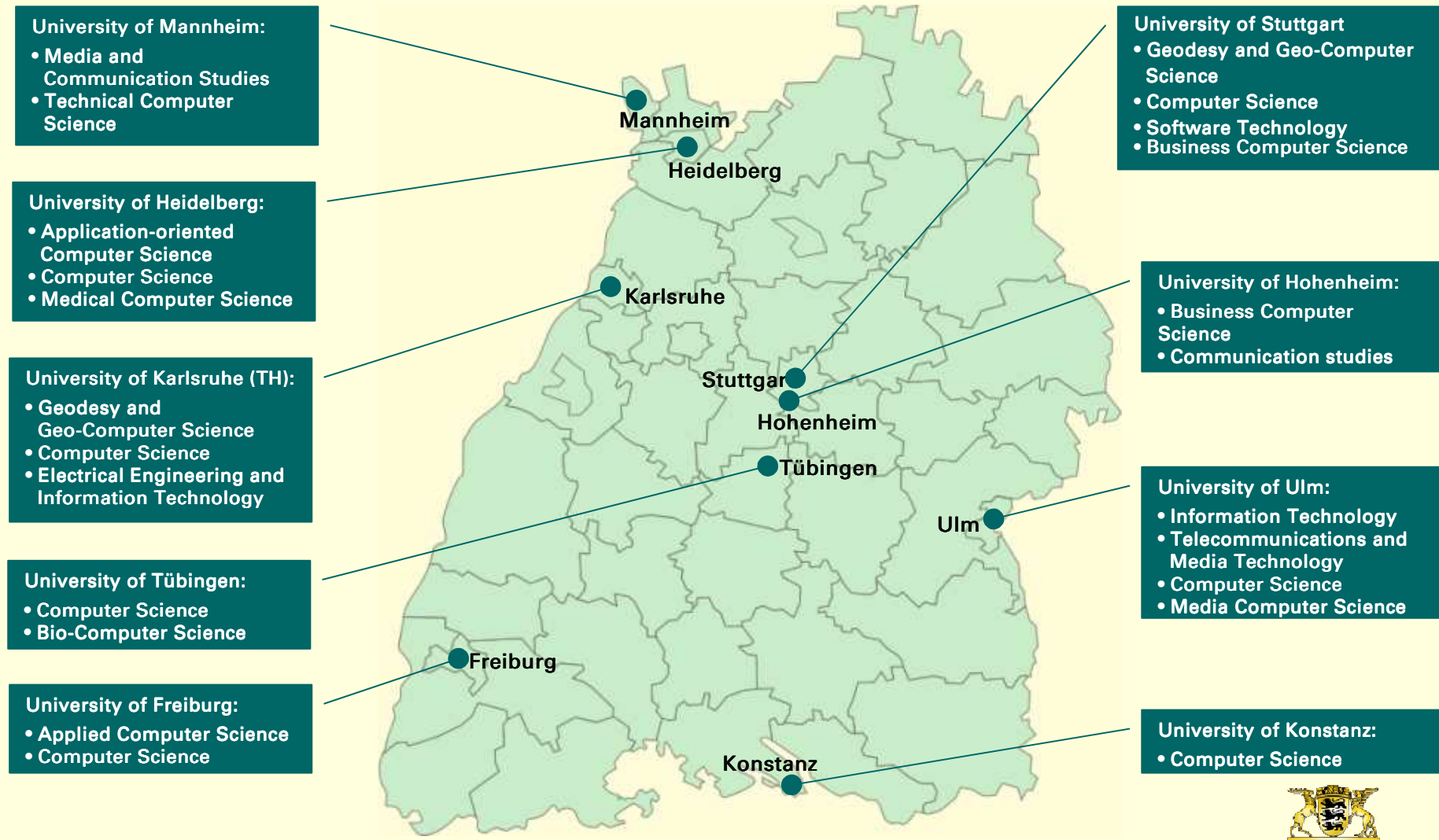
- Netpioneer GmbH (Karlsruhe)
- digital spirit AG (Karlsruhe)
- FrischeWelt Webmarketing und Unternehmensberatungsgesellschaft mbH (Karlsruhe)
- fun communications GmbH (Karlsruhe)
- Comparex Deutschland Holding GmbH (Mannheim)
- PTA Programmier-Technische Arbeiten GmbH (Mannheim)
- ADG Apotheken-Dienstleistungsgesellschaft mbH (Mannheim)
- PRO MEDISOFT Software Systeme für das Gesundheitswesen GmbH (Mannheim)
- RKS Telecom Südwest Regionale Kabel-Servicegesellschaft mbH & Co. KG (Mannheim)
- DCW Software AG (Mannheim)



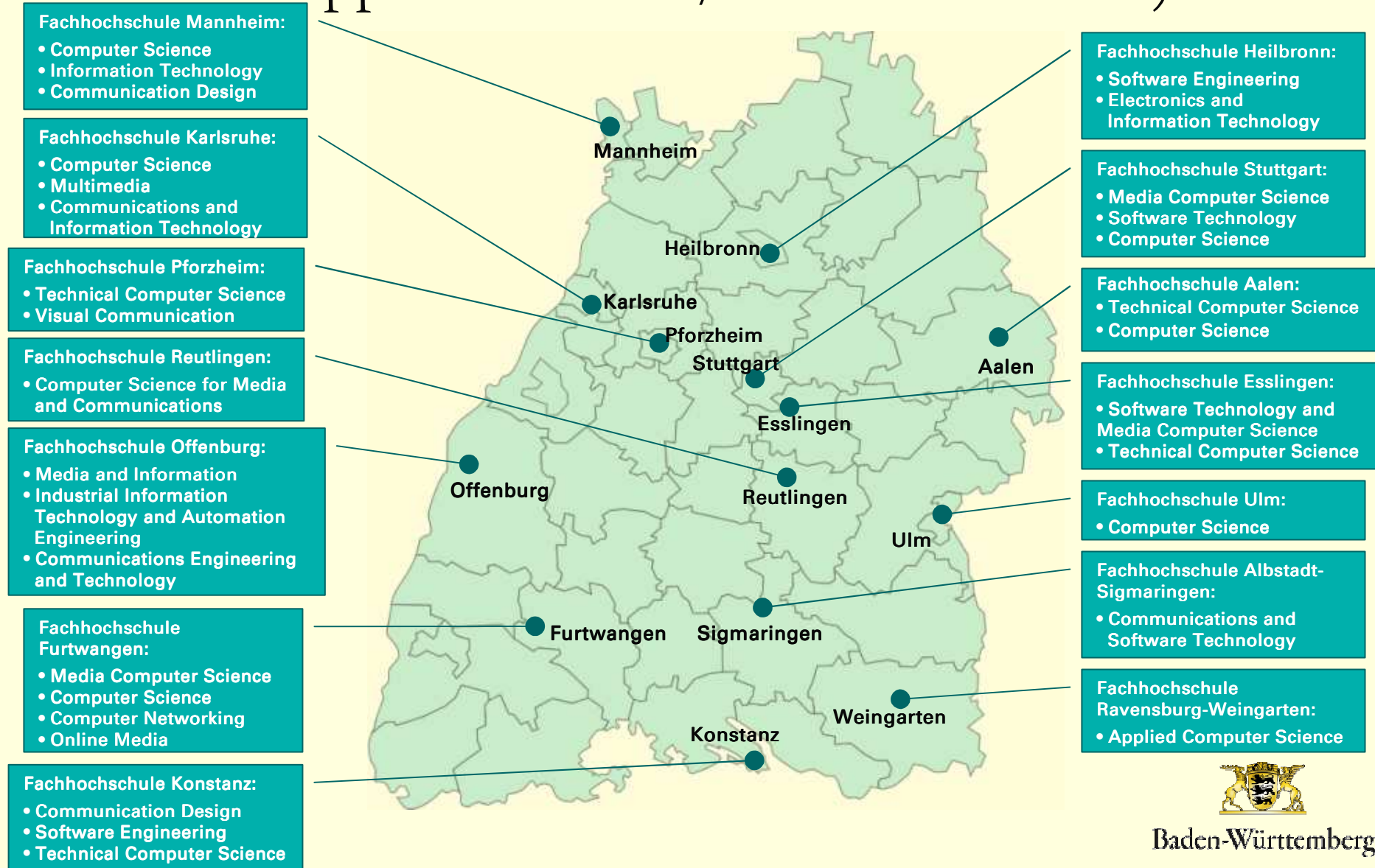
# ICT Services – Research Institutes and Academies



# ICT Services – Relevant Study Courses (Universities)



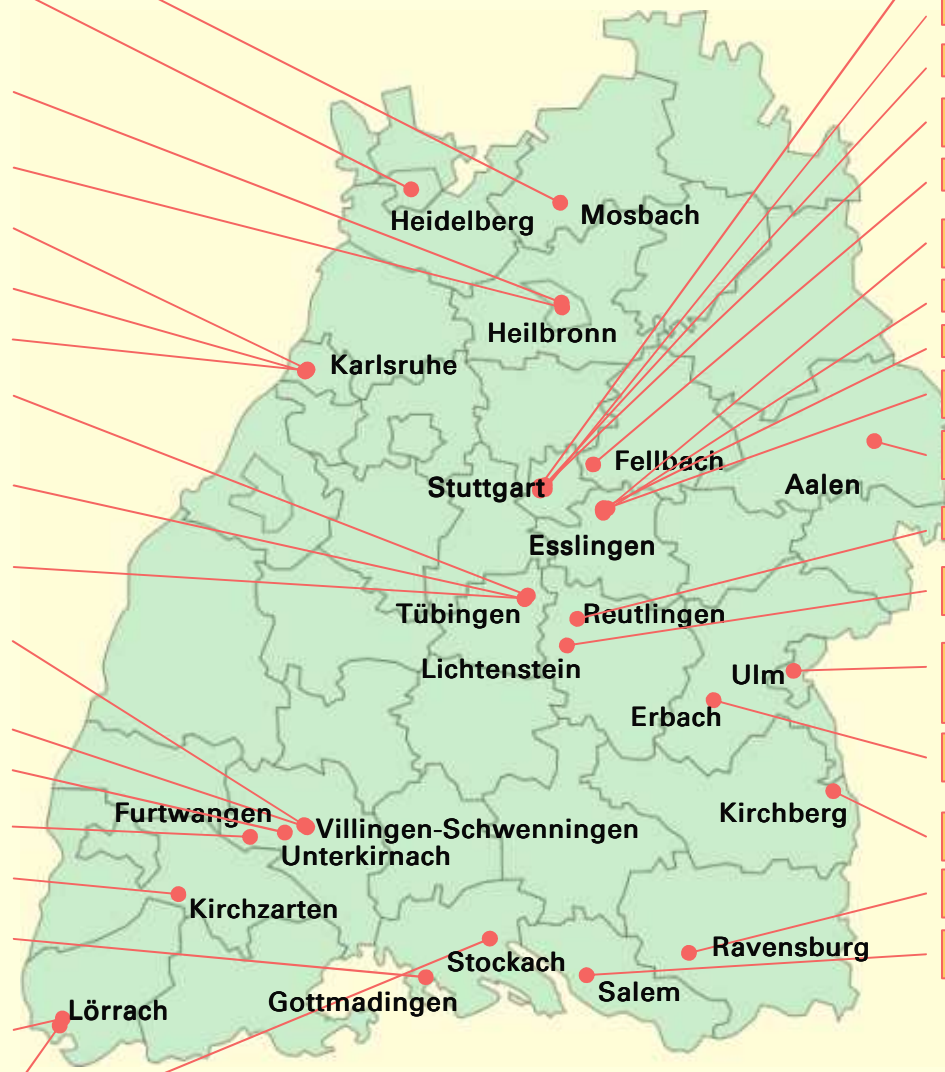
# ICT Services – Relevant Study Courses (Universities of Applied Sciences/Fachhochschulen)



# ICT Services – Steinbeis Technology Transfercenters

(STZ)

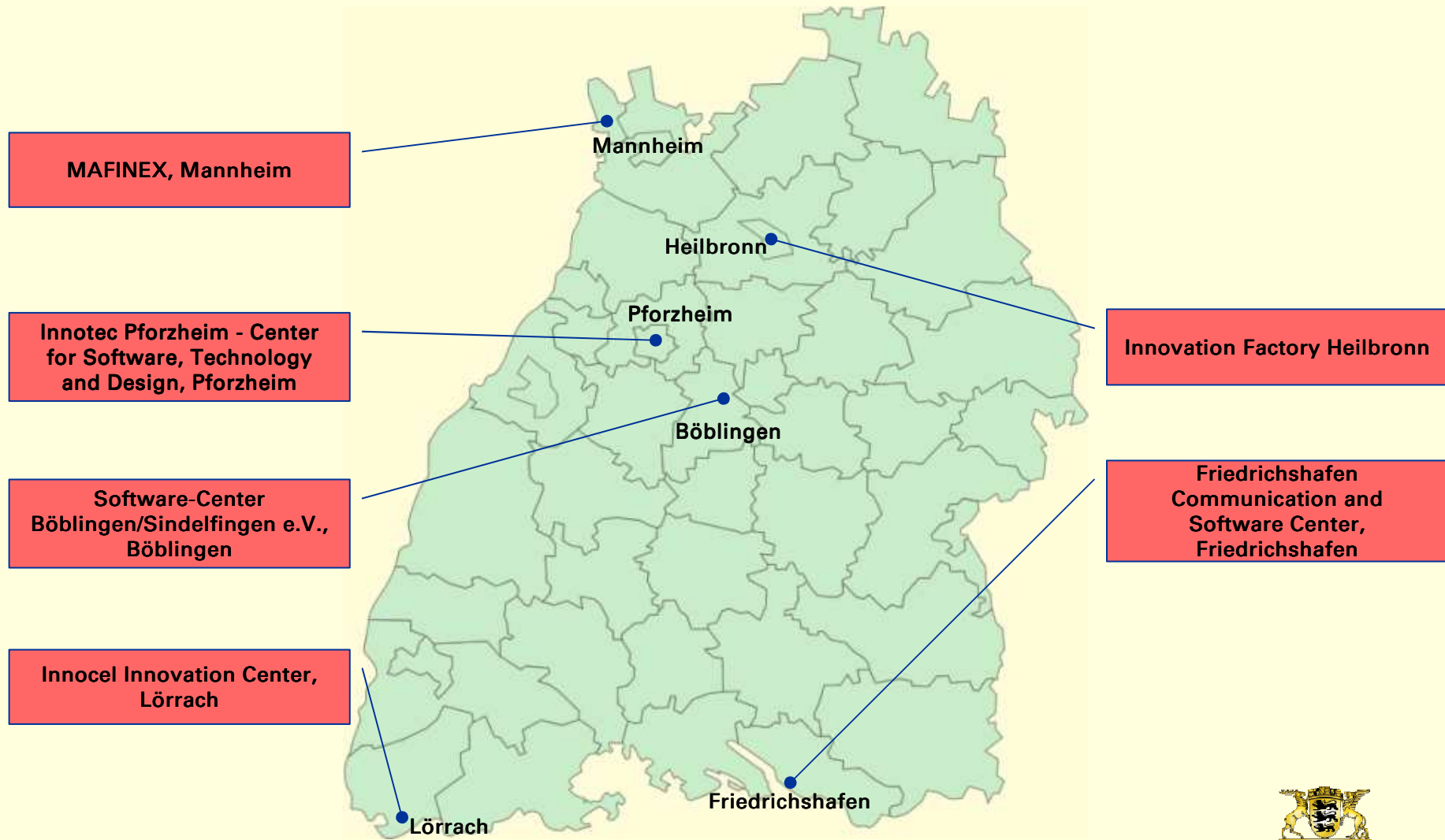
- STZ Design and Communication, Mosbach
- STZ Information Systems, Process Organisation and Quality Assurance, Heidelberg
- STZ Applied Computer Science, Heilbronn
- STZ Networked Information Systems, Heilbronn
- STZ Customer Innovative Solutions (CIS), Karlsruhe
- STZ Design @ Workflow, Karlsruhe
- STZ Information Management and Corporate Management, Karlsruhe
- STZ Multimedia-based Communication and Natural Language Processing, Tübingen
- STZ Computer Graphics and Image Processing, Tübingen
- STZ Object and Internet Technologies, Tübingen
- STZ Applied Mathematics, Data Processing and Computer Networks, Villingen-Schwenningen
- STZ Infothek Villingen-Schwenningen
- STZ New Media – Marketing - Communication, Unterkirnach
- STZ Micro Computer and Software System Technology, Furtwangen
- STZ Systems Theory and Applications, Kirchzarten
- STZ Information and Communication Management, Gottmadingen
- STZ Embedded Design and Networking, Lörrach
- STZ IT-Business Consulting, Lörrach
- STZ System and Software Engineering, Stockach



- STZ Audio-visual Media, Stuttgart
- STZ ExpertCom, Stuttgart
- STZ DiAccent, Stuttgart
- STZ Advanced RiskTechnologies (R-Tech), Stuttgart
- STZ Industrial Design, Fellbach
- STZ Top IT-Designers GmbH, Esslingen
- STZ Computer Application, Esslingen
- STZ Software Technology, Esslingen
- STZ Information Technology, Esslingen
- STZ Image Processing and Applied Computer Science, Aalen
- STZ CAD/CAM, Reutlingen
- STZ Electronics and Software, Lichtenstein
- STZ Databases, Multimedia, Workflow Management and Distributed Applications, Ulm
- STZ Computer Aided Industry (CAI), Erbach
- STZ Computer Simulation, Kirchberg
- STZ Artificial Intelligence and Data Security (KIDS), Ravensburg
- STZ Innovative Systems and Services, Salem



# ICT Services – Software Centers in Baden-Württemberg



# ICT Services - Research



## **Fraunhofer Institute for Systems and Innovation Research (ISI), Karlsruhe**

<http://www.isi.fhg.de>

With its research and consulting activities, the Fraunhofer-ISI is contributing to solving problems and to the necessary structural changes involved. The preconditions for this are holistic thinking and interdisciplinary and application-oriented research which are traditional strengths of the Institute. The ISI demonstrates the potentials of new technologies, their applications, markets, conditions for diffusion, opportunities and risks. It develops complex and systematic solutions as well as methods and information bases for strategic decision-making processes in industry, science and politics.



## **Fraunhofer Institute for Information and Data Processing (IITB), Karlsruhe**

<http://www.iitb.fhg.de>

Fraunhofer IITB is the prime institute for automatic and interactive imagery analysis, for the application of information technology to the optimization of industrial processes and also for computer networks and information services. The IITB develops ready-to-implement solutions and offer a broad spectrum of feasibility studies, process analyses and optimization. The institute also offers process and system development including the provision and installation of problem solutions based on information technology. Quality management and maintenance of the implemented systems complete the palette of services.



## **Fraunhofer Institute for Industrial Engineering (IAO), Stuttgart**

<http://www.iao.fhg.de>

The activities of the Fraunhofer Institute for Industrial Engineering IAO focus on investigation of current topics in the field of technology management. A holistic approach is applied to the study of commercial success, employees' interests and social consequences. The Institute helps companies to identify the technologies of relevance to them, and draws up a technology strategy aligned to the competitive environment and the market. It plans the deployment of technology for the entire enterprise, in the business sectors and in individual projects.



**Baden-Württemberg**

# ICT Services - Research



## **Fraunhofer Institute for Manufacturing Engineering and Automation (IPA), Stuttgart**

**<http://www.ipa.fhg.de>**

Solutions for organizational and technological functions in the production sector of industrial companies form the main areas of research and development work at the Fraunhofer Institute for Manufacturing Engineering and Automation IPA. The Fraunhofer IPA achieves this objective by developing, testing and piloting methods, components and equipment, through to the implementation of complete manufacturing systems and plant. This majority of this work is carried out under contract to industry. The institute also works on projects funded under public-sector research programs.



## **Institute for Control Engineering of Machine Tools and Manufacturing Units (ISW) University of Stuttgart <http://www.isw.uni-stuttgart.de>**

The Institute for Control Engineering of Machine Tools and Manufacturing Units was established in 1965. The number and variety of research and development fields of the institute has steadily increased. The main fields are centred around the development and application of control technology and other computer supported methods for automation. The division of the institute in 4 departments and 9 groups reflects the variety of activities. The Institute caters for both basic research as well as for the application-orientated development activities, which has led to successful cooperation with both public and industrial project partners.



## **Institute for Statics and Dynamics of Aerospace Engineering and Geodesy, University of Stuttgart <http://www.isd.uni-stuttgart.de>**

Key research activities are: (1) finite elements, (2) material mechanics, (3) data processing, (4) experimental technology and electronics, (5) pneumatic design and adaptive lightweight construction, (6) high-altitude platforms. Its employees are actively involved in German and international standardization bodies.



**Baden-Württemberg**

# ICT Services - Research



## **Research Center for Information Technologies at the University of Karlsruhe (FZI)**

**<http://www.fzi.de>**

FZI was founded in 1985 and is a non-profit contract research organisation that concentrates its efforts on novel information technologies for providers of investment and consumer products, of production or business products and of information services, and supports the development of innovative applications, primarily in engineering, on the basis of recent but already proven techniques. Most important, FZI offers its members a unique interdisciplinary environment that fosters joint research among diverse fields of Informatics, Mechanical and Electrical Engineering.



## **Institute of Industrial Manufacturing and Management (IFF), University of Stuttgart**

**<http://www.iff.uni-stuttgart.de>**

IFF's research activities center on: (1) organizational development/factory planning, (2) lifecycle management, (3) quality management/test and measurement, (4) nanotechnology, (5) manufacturing processes, (6) surface technology, (7) assembly technology, (8) information technology/manufacturing technology.



## **European Institute for Research and Strategic Studies in Telecommunications GmbH, Heidelberg <http://www.eurescom.de>**

Eurescom, the European Institute for Research and Strategic Studies in Telecommunications GmbH, was founded in 1991 by major European network operators and service providers. Based in Heidelberg/Germany, the organisation provides comprehensive services for initiating, managing and supporting distributed collaborative research programmes to network operators, service providers, suppliers and vendors who wish to collaborate on the issues facing the telecommunications industry.



**Baden-Württemberg**

# ICT Services - Networks



## **Competence Center for Virtual Reality (VR) and Cooperative Engineering – Virtual Dimension Center (VDC)**

Founded in 2003, the VDC is a cooperative of hardware and software manufacturers, service providers, research institutions as well as users and potential users of virtual reality and cooperative engineering. The major goals of the associations are to disseminate and develop the VR-Technology, especially for SME, to provide a neutral platform for this purpose, to run a demonstration and service center and to act as an innovation center for the regional and local economy.

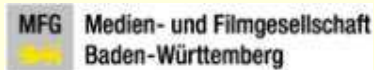
[www.vdc-fellbach.de](http://www.vdc-fellbach.de)

In order to shorten innovation cycles, the VDC transfers knowledge via its communication platform. It provides powerful, compact and cost-effective solutions concerning visualisation and VR technologies.



Baden-Württemberg

# ICT Services - Networks



## **MFG Medienentwicklung Baden-Wuerttemberg mbH**

MFG Baden-Wuerttemberg is the centre of excellence for IT, media, and film of the federal state Baden-Wuerttemberg in Germany's southwest. With an annual business volume of 15 million Euro and more than 60 highly qualified employees in our headquarter in Stuttgart we promote Baden-Wuerttemberg as a premier location for the creative industries. MFG Baden-Wuerttemberg consists of three divisions: MFG Agency for IT and Media, MFG Foundation, and MFG Film Funding.

[www.mfg.de](http://www.mfg.de)

MFG Baden-Wuerttemberg is the state's centre of excellence for IT and media and offers consulting services, industry promotion, project management, events, marketing services. Further the MFG is conducting the state's IT and Media initiative doIT Baden-Wuerttemberg and manages the cluster initiative Baden-Wuerttemberg: Connected (bwcon).



**Baden-Württemberg**

# ICT Services – Technology Parks



## STEP Stuttgarter Engineering Park

Situated in one of the strongest most innovative business regions of Germany, the Stuttgarter Engineering Park is a truly excellent location. Not only its direct motorway access and its own tram station, but also its proximity to universities and research institutes are responsible for the quality of this location. Around 85,000 m<sup>2</sup> office spaces are already available, a further 60,000 m<sup>2</sup> can be built following consultation with the future tenants.

[www.step-gmbh.com](http://www.step-gmbh.com)

Companies from several sectors, especially software companies and ICT service providers appreciate what the central infrastructure is offering. High-performance communication networks allow fast data exchange and connect the STEP with various research institutes.



Baden-Württemberg

# ICT Services – Technology Parks



## Technologiepark Karlsruhe

Karlsruhe with its renowned technical university, the research centre, the university of applied sciences and several Fraunhofer institutes is not just considered to be the internet capital of Germany. In addition to this IT competence, nano and biotechnology as well as mechanical engineering are strongly represented. In this backdrop the Technologiepark Karlsruhe offers innovative companies from those sectors modern buildings with a stylish architecture to meet all business requirements. The park and its more than 50 companies make use of a close network to science and teachings. It is no wonder Technologiepark Karlsruhe has also become the top location for many foreign companies.

[www.techpark.de](http://www.techpark.de)



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **Innocel Innovations-Center Loerrach GmbH**

The “Innocel Innovations-Center Loerrach GmbH” is the enterprise and business development agency for Loerrach council. The surrounding “Innovation District”, established in 2000, offers a forward looking shared base for new start-ups and young companies, as well as an ideal location for established concerns. The key fields of operation are IT and Life Sciences. The district contains 20000m<sup>2</sup> of prime commercial real estate available to purchase or lease. The Innocel GmbH, with its wide range of services, is the perfect partner for companies in Loerrach. Our service concept combines three founding principals:

- Attracting new firms whilst supporting those already resident
- Developing and improving the enterprise area
- Marketing the locality

On top of this Innocel strives to expand its existing broad network between companies, whilst simultaneously developing links between business and the academic, social and political centres in the region. Innocel hopes to bring together innovative potential and to help to create a regional profile built upon future oriented technology.



# ICT Services – Software and Incubation Centers



## Innovationsfabrik Heilbronn GmbH

Innovationsfabrik provides end-to-end support for start-ups – from developing initial ideas, to founding a company, through to financing.

The organization focuses on supporting start-ups, and on collaborating with venture-capital companies, private investors (business angels) and established midsize enterprises.

Support is provided for ICT, engineering, electronics, and related services.

[www.innovationsfabrik.de](http://www.innovationsfabrik.de)



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **Mafinex Softwarezentrum, Mannheim (software center)**

The Mannheim software center is the latest addition to Mafinex-Technologiezentrum's facilities. It provides office space and services for start-ups and young companies specializing in the development, installation and marketing of software, as well as for ICT players (including Internet and multimedia service providers).

[www.mafinex.de](http://www.mafinex.de)

A number of leading enterprises in the Rhine-Neckar region have agreed to sponsor young companies at the technology park. They offer them support in the form of advice, coaching, and in some cases contracts for their products and services. At present, there are a total of 14 companies at the software center.



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **Mafinex Technologiezentrum Weinheimer Strasse, Mannheim (technology center)**

The Weinheimer Strasse technology center opened its doors in 1996. It was established to provide additional resources because the existing Käfertaler Strasse center had reached its limits.

Technology-driven start-ups, including specialists in medical technology, computers, CAD, and the Internet, as well as consultants and other service providers, benefit from the office facilities.

[www.mafinex.de](http://www.mafinex.de)

All start-ups have access to expert advice from the Mafinex Network.

There are ten companies at the Weinheimer Strasse technology center.



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **frieKS – Friedrichshafener Kommunikations- und Softwarezentrum GmbH**

The frieks technology park promotes software enterprises, offers press and public relations services, and helps companies make the most of the Lake Constance region.

The facility is jointly operated by the Lake Constance/Upper Swabia Chamber of Commerce and Industry, the City of Friedrichshafen, and the Friedrichshafen Region Business Development Association.

[www.frieKS.de](http://www.frieKS.de)

The technology park provides advice and assistance for start-ups and young midsize companies specializing in software.



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **Software-Zentrum Böblingen/Sindelfingen e. V.**

This organization was jointly initiated by the state of Baden-Württemberg, the local Chamber of Commerce, and the cities of Böblingen and Sindelfingen in late 1995.

The technology park offers software start-ups and midsize businesses the opportunity to collaborate within a virtual network of companies, and to gain competitive edge in their markets. It provides administrative and technical support for members.

[www.softwarezentrum.de](http://www.softwarezentrum.de)

The software center currently comprises 80 firms specializing in software and related expertise, covering a sizeable portion of the IT market.



Baden-Württemberg

# ICT Services – Software and Incubation Centers



## **Innotec Pforzheim – Zentrum für Software, Technik und Design,**

The Innotec Pforzheim – Zentrum für Software, Technik und Design was founded in 1998. Within the scope of the Innotec initiative, the City of Pforzheim has rented around 5,500 square meters of office space, tailoring it to the specific requirements of young companies.

In addition to office accommodation, conference and training facilities, and a comprehensive infrastructure, Innotec offers end-to-end services.

[www.innotec-pforzheim.de](http://www.innotec-pforzheim.de)

With the support of its partner institutions, the North Black Forest Chamber of Commerce and Industry, Pforzheim University, Stadt- und Kreissparkasse Pforzheim (Pforzheim savings bank), Karlsruhe Chamber of Trades and Crafts, and the regional economic development agency, Innotec operates an advisory network for local companies.



**Baden-Württemberg**

# ICT Services – Software and Incubation Centers

**GRÜNDERZENTRUM**  
Fabrik Sonntag Waldkirch

## Gründerzentrum Waldkirch, Emmendingen (business incubation center)

The Waldkirch facility specializes in state-of-the-art communications technology (multimedia, Internet, and IT).

It provides advice and assistance for start-ups and young companies. Other key activities include the development of a knowledge pool and the recruitment of corporate sponsors.

[www.gruenderzentrum-waldkirch.de](http://www.gruenderzentrum-waldkirch.de)

Through events and facilities, the business incubation center promotes communication and collaboration between companies in the area.



Baden-Württemberg