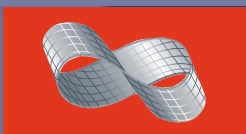


# INNOVATIONS IN INITIAL AND CONTINUING TRAINING



PT IAW – Project Adviser  
acting for the BMBF on  
“Innovations in Initial and  
Continuing Training”  
within BIBB



## Profile of the PT IAW |

Since 1998 the Federal Ministry of Education and Research (BMBWF) has been supporting five flagship projects aimed at using modern media and the possibilities of information and communication technology to develop new strategies for teaching and learning. The strategies are to promote a shift from traditional forms of learning in initial vocational training and post-secondary study towards a stronger focus on self-managed learning.

The Project Adviser on “Innovations in Initial and Continuing Training”—PT IAW—within BIBB is acting on behalf of the BMBWF to manage the content-related aspects of implementing these flagship projects on the theme “Use of globally available expertise for initial and continuing training and innovation processes”. PT IAW is responsible for administrating the budget allocation from the Federal Government amounting to the sum of approx. 140 million DM (approx. 70 million €).

BIBB is deploying its services to provide support for the five flagship projects as such and their constituent 80 or so sub-projects in their respective priority areas of action and research.

Being a competence centre for vocational training, vocational training research and vocational training promotion, BIBB has the necessary professional and managerial expertise to contribute towards making these projects successful.

# Use of globally available knowledge for initial and continuing training and innovation processes

Information provision and knowledge management by drawing on the institution's accumulated memory resource in the field of initial and continuing vocational training

Transfer methods in multimedia didactics and education technology for improving competence

Venues for imparting competence:  
in-company-based,  
inter-company-based,  
extra-company based,  
college-based and  
virtual initial and  
continuing training  
places

**Occupational, methodological, social and transfer competence in the training disciplines of initial and continuing training of the corporate sector, specialized higher education institutions of applied sciences and universities**

**Education technology in initial and continuing training in the vocational sector, and at higher education institutions of applied sciences and universities**



## SERVICE INFORMATION

Published by  
Federal Institute  
for Vocational Training  
[Bundesinstitut für  
Berufsbildung (BIBB)]  
Project Adviser of BMBF  
The President

Project Adviser  
acting for the BMBF on  
“Innovations in Initial and  
Continuing Training”  
within BIBB



Responsible staff officer  
Ulrich Degen

Hermann-Ehlers-Str. 10  
53113 Bonn – Bad Godesberg  
Tel.: +49 228 107 1015  
Fax: + 49 228 107 2954  
E-mail: [pt-iaw@bibb.de](mailto:pt-iaw@bibb.de)  
[www.bibb.de/pt-iaw](http://www.bibb.de/pt-iaw)

© 2001  
Information status May 2001

Translation  
Linda J. Mayes, Berlin  
Design and layout  
Hoch 3, Berlin  
Printing  
Dressler, Berlin



**lebenslanges lernen**

---

## **Lifelong Learning – Continuing Training as a Basic Need** |

Composed of 18 sub-projects, the L<sup>3</sup>- Consortium is testing, developing and implementing an internet-supported training platform for initial and continuing vocational training. By bringing together the necessary technical, organizational and social infrastructure it opens up possibilities of cooperative forms of learning. The training content is geared to a web-supported didactic concept which is compatible with the international standards currently under discussion.

### **Lead organization**

SAP AG [Karlsruhe Campus-based Engineering Center (CEC), SAP AG's European research centre (18 constituent sub-projects)]

### **Information**

[www.l-3.de](http://www.l-3.de)

### **Contact person within BIBB**

[haertel@bibb.de](mailto:haertel@bibb.de); [giesen@bibb.de](mailto:giesen@bibb.de)





---

## Media Interface for Content-Based Connection of Scientific Documents, Abstracts and Textbooks

The MedicDAT project aims to further the integration of all types of electronically available knowledge, taking the electronic media already in use in medicine to illustrate the underlying concept. The contents of hospital communication systems, computerized applications in use in private medical practice, knowledge-based systems, medical databases, bibliographical services and other electronic information media are being compiled in a multi-vendor-compatible format with a fully integrated scheme of data presentation.

### Lead organization

University Hospital Regensburg (6 constituent sub-projects)

### Information

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

### Contact person within BIBB

[haertel@bibb.de](mailto:haertel@bibb.de); [dukat@bibb.de](mailto:dukat@bibb.de)



## Service Networks for Training and Continuing Education |

SENEKA aims to make globally available knowledge better accessible to the world of business, especially small and medium companies. The organizations participating in the project are linked together in service networks for initial and continuing training processes in order to enhance their capacity for innovation and competitiveness. Solutions (products) are sought jointly for developing knowledge management systems which are appropriate to given situations both within and outside the organization concerned. A further aim is to develop and test content and organizational management concepts for the establishment, interfacing and sustainable operation of networks for small and medium companies.

Within this context the project also develops, implements and evaluates concepts for skill development schemes for knowledge managers operating within networks.

### Lead organization

IMA/HDZ of the Technical University (RWTH) Aachen (26 constituent sub-projects and 6 scientific institutes)

### Information

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

### Contact person within BIBB

[degen@bibb.de](mailto:degen@bibb.de); [ludes@bibb.de](mailto:ludes@bibb.de)



---

## Virtual University of Applied Sciences |

Eleven specialized higher education institutes and two universities located in seven federal states in Germany, plus the two sides of industry are working together in this project to establish the “virtual university of applied sciences” (VFH), the aim being to have the first recognized on-line courses up and running from the beginning of the winter semester 2001. During its special-status period, the flagship project is to develop courses in media IT (bachelor/master) and business engineering (diploma course), and also a continuing training course for practitioners in business engineering. Being internet-based, these on-line courses offer the possibility—traditionally typical of such specialized institutes—of academic study or continuing training, but in this case without the conventional constraints of time and location: they are geared to the requirements of professional practice and offer competent personal back-up. The courses generally entail approximately 80% of “virtual study” and some 20% of physical presence (study days, laboratory work, practical exercises), the latter being arranged at weekends or in the evenings.

### Lead organization

Lübeck University of Applied Sciences  
(12 constituent sub-projects)

### Information

[www.vfh.de](http://www.vfh.de); [www.oncampus.de](http://www.oncampus.de)

### Contact person within BIBB

[stuebig@bibb.de](mailto:stuebig@bibb.de); [ludes@bibb.de](mailto:ludes@bibb.de)



---

## Networked Study in Chemistry |

This project is combining the expertise of the lead organization, FIZ Chemie Berlin (Information Centre on Chemistry, Berlin), and 16 scientific partners at 13 universities throughout Germany to develop an electronic platform, the first of its kind worldwide, which links up the theory and practical aspects of the study of chemistry and provides access to all available knowledge on chemistry via multimedia initial and continuing training modules. The electronic platform is a closely meshed network of small, compact knowledge modules which are open to selective navigation depending on individual learning requirements. The project is developing and testing a model for making study contents more dynamic, a model in which classical learning formats involving acquiring a stock of knowledge are given less importance than problem-specific, discovery-based learning. The main target groups are persons studying chemistry or related subjects as their main or second field of interest at undergraduate or post-graduate level, and also persons from non-chemistry backgrounds who seek a knowledge of chemistry for reasons of personal or professional advancement.

### Lead organization

FIZ Chemie Berlin GmbH  
(16 constituent partners)

### Information

[www.vernetztes-studium.de](http://www.vernetztes-studium.de)

### Contact person within BIBB

[stuebig@bibb.de](mailto:stuebig@bibb.de); [giesen@bibb.de](mailto:giesen@bibb.de)



Limpact

LIMPACT

LEITPROJEKTE  
Informationen compact

## Leitprojekte Informationen compact PT IAW's newsletter

### Selected articles

Download: [www.berufsbildung.de](http://www.berufsbildung.de)

#### LIMPACT 1

Degen/Härtel/Stübig:  
Leitprojekte des BMBF als Förderinstrument  
- neuer Themenschwerpunkt mit neuem  
Projekträger

Albert/Brandes/Wolf:  
Die neuen IuK-Technologien in der  
betrieblichen Aus- und Weiterbildung

#### LIMPACT 2

Zimmer:  
Didaktische Leitlinien zum  
„Wissensmanagement“ in den  
Studienmodulen der  
Virtuellen Fachhochschule

Dostal:  
Jobmaschine Internet?  
- IT-Net-Business und neue  
Qualifikationsbedarfe

#### LIMPACT 3

Messer/Münch:  
Chemie und Computer.  
Das Chemiestudium wird zum  
multimedialen Bausatz

Rautenstrauch:  
Tele-Tutor/in: Zur Qualifizierung einer  
neu entstehenden Profession

Netzwerk  
der  
Projekträger

