

Partnership

Contractor

Lise-Meitner-Schule,
vocational training centre
contact: Ulrich Mok
tel: +49 (0) 30 6606 89 27
email: ulrich.mok@osz-lise-meitner.eu

Coordinator

u.bus GmbH,
Agency for Regional Development and
European Project Management Ltd.
contact: Uta Voigt
tel: +49 (0) 30 61 62 96 40
email: UtaVoigt@ubus.net

Partners

FIZ CHEMIE Berlin	Berlin, Germany
IG BCE Mining, Chemical and Energy Industrial Union	Berlin, Germany
Bayer Schering Pharma	Berlin, Germany
GJH Management Services	Accrington, England
Glasgow City Council - Gateway	Glasgow, Scotland
Nimtech	Merseyside, England
Fatih Üniversitesi (Fatih University) Department of Chemistry	Istanbul, Turkey
Uniwersytet Jagielloński (Jagiellonian University) Faculty of Chemistry	Kraków, Poland
Försti Filmi Ky	Helsinki, Finland
HEIG-VD, University of Applied Sciences of Western Switzerland	Yverdon-les-Bains, Switzerland



SOLID is a trans-national partnership currently operating in Germany, Poland, Turkey, Switzerland and the United Kingdom. The SOLID partnership is developing an e-learning platform in solid phase synthesis to meet some of the new challenges and training needs of the European chemical and pharmaceutical industries.

The restructuring of the European chemical industry towards the direction of the pharmaceutical industry calls for new working methods. When developing new drugs, institutes and the leading pharmaceutical research industry opt for new approaches.



SOLID is a project which seeks to support vocational training in the European chemical and pharmaceutical industries. It is supported by the European Lifelong Learning Programme/Leonardo da Vinci and is aimed at vocational training organisations and universities. The project develops theoretical and practical lessons using multimedia, including interactive visualisation, to impart knowledge and learning.

This innovative and exciting development will allow aspects of solid phase chemistry to be explored in new ways by students and also enable productive learning programmes to be more readily achieved.

SOLID - combining e-learning with SOL in the classroom



Self Organised Learning (SOL) is an approach which draws on various modern learning methods that encourages student activity and which integrates them into a teaching concept combining content and instruction.

Thus, SOL provides a framework to put a learning and teaching culture into practice that very much enforces the autonomy of the students. SOL offers the students the opportunity to practice independence and personal responsibility step by step. Teachers can gradually change their traditionally dominant role of passing on knowledge towards teaching students how to learn. The SOLID learning platform is the source of the SOL modules.

Objectives

- To create an interactive learning platform which will offer material about solid phase chemistry and its applications at different levels as well as links providing both basic and specialist knowledge. The platform contains e-learning modules, theoretical lessons using the Self Organised Learning (SOL) approach, practical experiments and didactical and technical hints for teachers and trainers.
- To make use of e-learning modules expressing facts and ideas with the help of multimedia, which will include films, real and virtual experiments, three-dimensional molecular structures, simulations of a reaction progress, and interactive visualisation.
- To propose a model reaction of peptide synthesis via solid phase and via solution phase synthesis.
- To develop the modules in English with explanatory material in German, Polish and Turkish.
- To build the capacity of trainers to develop their own internet-based training materials.

