Project organisation

PARTNERS

DBTech EXT is coordinated by the HAAGA-HELIA University of Applied Sciences (Finland).

Six (6) EU member states are represented in the project's core (inner circle), comprising of seven (7) Higher Education (HE) academic institutions, one (1) I.T. company, and three (3) Vocational & Educational Training (VET) centres:

- Alexander Technology Educational Institute (ATEI), Thessaloniki, Greece
- Finnish Business College, Helsinki, Finland
- Groupe ISAIP-ESAIP, Saint Barthélémy d'Anjou, France
- HAAGA-HELIA University of Applied Sciences, Helsinki, Finland
- I.E.S. Politécnico Jesús Marín, Málaga, Spain
- Omnia, The Joint Authority of Education in Espoo Region, Espoo, Finland
- Reutlingen University, Reutlingen, Germany
- Tieto Public Industry, Finland
- University of Macedonia Economic and Social Sciences, Thessaloniki, Greece
- University of Malaga, Malaga, Spain
- University of the West of Scotland, Paisley, UK

OUTER-CIRCLE PARTNERS

The partnership involves both inner- and outer-circle members. Academic establishments, organizations, companies, and VET centers are welcome to join-in as outer circle partners.

Outer circle partners act as recipients and evaluators of the project deliverables.

EACEA
Education, Audiovisual & Culture Executive Agency

Education and Culture DG
Lifelong Learning Programme

Education and Training

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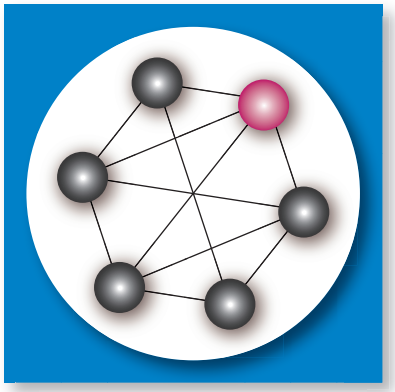
DBTech EXT

DBTech Pro EXTended



http://www.dbtechnet.org
http://dbtech.uom.gr

DBTech EXT

The new ICT project in EC LLP Transversal Programme

The DBTech EXT project (01/2009 - 12/2010) is the continuation of DBTech Pro (12/2002 - 05/2005), and it is partly funded by the European Union (EU LLP Transversal Programme). Behind both projects stand the members of the Database Technology Network (DBTechNet).

WHAT and WHY?

Databases are needed everywhere in the modern information society, building the basis of all business critical applications requiring reliable, secure and scalable data access. The lack of knowledgeable database professionals in the European labour market is already a productivity problem that has led to failed and delayed application development project in the industry.

Students and database professionals entering industry need more thorough knowledge on database design, development, and administration, the standards, major DBMS products and development trends on these rapidly growing and integrating technology areas.

DBTech EXT project will determine the essential knowledge area of database technology covering the related standards, specifications, technology trends and understanding of the mainstream DBMS products. The project will plan, develop and pilot test course modules, methods and laboratories to be used on advanced database related courses .

TARGET IMPACTS:

- Integration of VET and HE education curricula for LLP of database professionals
- Recognizing of prior formal and informal learning
- European eduvation and training in database technologies meet the developments in database technologies and the needs of the European labour market
- Co-operation of VET, HE, and the European industry

PROJECT DELIVERABLES:

- Workshops on the following database technology knowledge areas:
  1. Database Modeling and Semantics
  2. Database Administration and Tuning, Index Design
  3. Concurrency Control and Recovery
  4. Data Access Patterns, O-R Mapping
  5. XML and Databases
  6. Distributed, Replicated, Mobile and Embedded Databases
  7. Data Warehousing and OLAP
  8. Business Intelligence and Knowledge Discovery

- Educational/training content of the laboratory workshops include
  - trainer and trainee guides,
  - lecture slides and/or digital videos
  - laboratory and assessment exercises

  The pedagogical approach of these workshops include
  - learning by doing with authentic tasks and problems
  - verifying theory with the latest DBMS products used by the industry
  - understanding the key problems and common solutions

- Pedagogical assessment of the educational and training content, and the laboratory workshop sessions.

- Integration of the workshop material into already existing or new curricula of Academic Establishments and Vocational & Educational Training Centres.

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For more information:

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