



Programming Skills Development in Secondary Education by means of Modern Educational Programming Languages

LLP / Comenius Multilateral Project

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Rationale

- Programming is a core competence for advanced computer literacy in the Information Society
- Make programming courses attractive and unleash the creativity of both learners and their teachers
- Enable teachers to use modern educational programming languages and problem/game-based learning approaches
- Facilitate the communication of teachers from different countries and exchange of learning material and teaching practices
- Harmonize EU countries curricula and build common European curriculum
- Contribute to the creation of an inclusive and productive Information Society by developing critical skills of the EU workforce focusing not only on computer professionals but on all knowledge/information workers

Target groups

- **Primary target group: secondary education computer science teachers**
 - In-service training according to curricula to be developed
 - Training network
 - Dedicated summer school
 - Establish & operate an expanding Affiliate Network managed by a dedicated Training Support Group
 - Repository of tools / training material (localized)
- **Secondary target group: school students**
 - Close the “gender gap”
 - Self-motivated knowledge workers
 - Promote the competitiveness of EU and contribute to social cohesion objectives

Consortium

- GREECE
 - TUC – MUSIC (coordinator)
 - GRNET – Greek Research & Technology Network
 - EA – ΕΛΛΗΝΟΓΕΡΜΑΝΙΚΗ ΑΓΩΓΗ
- AUSTRIA
 - BMUKK – Bundesministerium für Unterricht, Kunst und Kultur
- Italy
 - COREP – CONSORZIO PER LA RICERCA E L'EDUCAZIONE PERMANENTE
- Estonia
 - MIKSIKE – OÜ Miksike
- Hungary
 - NETING – Neting Information Technologies Ltd.

Workplan

- **WP1: Analysis of Needs (M01 – M06)**
- **WP2: Development of Curricula and Training Scenarios (M07 – M12)**
- **WP3: Training Network Set Up and Development of Training Material (M07 – M15)**
- **WP4: Implementation of Training Scenarios, Evaluation and Refinement (M10 – M24)**
- **WP5: Quality Assurance and Monitoring (M01 – M24)**
- **WP6: Dissemination (M01 – M24)**
- **WP7: Exploitation (M01 – M24)**
- **WP8: Management (M01 – M24)**

Major outputs

- D1.1 – Survey (curricula, EPLs, pedagogical approaches) M03
- D1.2 – Requirements (tools selection, identification of needs) M06
- D2.1 – European and National Curricula (M10)
- D2.2 – Detailed scenarios in the form of formal use cases (M12)
- D3.1 – Training Network (M09)
- D3.2 – Training Material Repository (M15)
- D4.1 – Assessment Framework (M15)
- D4.2 – pSkills Summer School (M21)
- D4.3 – Assessment Report and Usage Indicators (M21)
- D4.4 – Final Training Package (M24)

For more info

- Visit the project's website: <http://pskills.ced.tuc.gr>
- Contact with the project coordinator
 - Prof. Stavros Christodoulakis: stavros@ced.tuc.gr
 - Mr. Nektarios Moumoutzis: nektar@ced.tuc.gr

Thank you for your attention!

