

‘Tell me and I forget, Teach me and I will remember, Involve me and I will learn’
– Benjamin Franklin

IMAILE is the first project at the European level that addresses the area of **ICT in the field of education and e-learning** from both the demand and the supply side. Enabling a **dialogue between the demand and supply sides** will allow research and innovation to focus on the actual needs of the end-users (our European schools, teachers and students) by equipping them with the tools they need to bring the **classroom into the 21st century**.

The city of Halmstad (Sweden) is coordinating this project where public procurers of ICT in education from four countries (Sweden, Finland, Germany and Spain) are using **PCP (pre-commercial procurement)** as a method to stimulate user driven innovation in cooperation with **European ICT industry, research and SMEs**.

New technology should support schools and teachers in an innovative and creative way!

Today there exist many great ICT products, apps and services on the market in order to support e- learning in the European classroom. But few of them are developed in a **customized way** supporting the implementation of creative learning and innovative teaching with the true pedagogical needs of our schools (end users) in focus.

IMAILE Challenge Solutions for Personal Learning Environment (PLE)

What is PLE in IMAILE project?

The **Personal Learning Environment** is a system allowing connecting students, teachers, school managers, tutors, families and the wider community by means of open and commercial ICT solutions inside and outside the school facilities, supporting lifelong learning, enabling students to control and define its own learning processes under the mentoring of the teacher.

IMAILE has identified and decided to focus upon the challenge of an **increased demand of personalized learning** where new technology should support schools and teachers in an innovative and creative way. The next generation of **PLE’s (personal learning environment)** for students in primary and secondary school in the topics **Science, Math and Technology (STEM)** should support different learning styles with the following personal content:

- Content and digital curricula of STEM topics, self assessment
- Tools for collaboration, communication, cooperation with others
- Classroom management (interaction with teachers for planning and selecting the tools, assessment according to 21st century skills)
- Connectedness, parents, wider community, other students

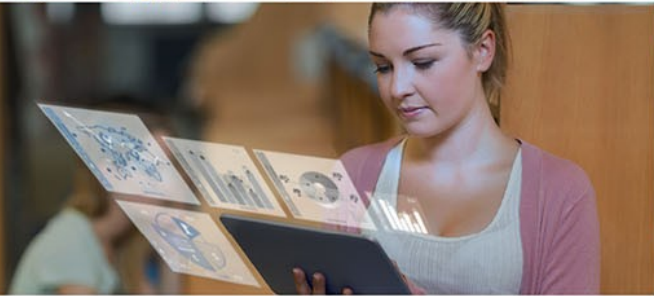
The expected solutions will:

- Support **all students** to reach their goals in a personalized way
- Create more 1 to 1 meetings between teacher and student in the classroom
- Reduce **teachers planning hours**.
- **Increase students’ motivation** to learn STEM.
- Create a real shift from **teacher centered learning** to **student centered learning** (research shows that lessons in math and science still is mostly teacher-centered, with few opportunities for the students to have influence on their own learning and using digital tool).
- Be applicable to **all devices** (responsive design for computers, mobile phones, tablets...), our PLE solution should be a tool that can be easily used from the students’ personal devices as well.
- Be applicable to **all learning styles** according to the Learning and Teaching Styles (Felder & Silverman, 1988, revised in 2002): active/reflective, sensing/intuitive, visual/verbal and sequential/global.
- **Provide students with a personalised formative feedback and scaffolding**, based on their learning paths, needs and styles.
- Reduce the numbers of **early drop outs in a long term perspective**

Pre-commercial Procurement (PCP) as a method

In IMAILE public procurers of ICT in Education from 4 countries (Sweden, Finland, Germany, Spain) use the **PCP instrument (pre-commercial procurement)** to stimulate **user driven innovation** in cooperation with European ICT industry, research and SMEs.

The PCP process benefits both users and suppliers. Users get a solution that is developed and evaluated according to their needs, and suppliers get a solution that has been developed to the **point of pilot testing**, thereby increasing their potential for **successful commercialization**.



Facts to know

First PCP project in the field of Education at the EU level

Common identified challenge:

- increased demand of personalised learning
- focus on STEM fields in primary/secondary education

11 partners in 7 countries

4 partners Buyers Group (SE, DI, DE, ES)

7 Support organisations PCP, ICT and Dissemination (SE, HU, PT, DE, AT)

Total budget 5.4 million euro

Budget suppliers 4 million euro

Project start: February 2014 (duration: 42 months)

Further information and newsletter subscription:

<http://www.imaile.eu>



Contact

Project manager - Ms. Ellinor Wallin:

ellinor@euprojektkonsult.se

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Consortium



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