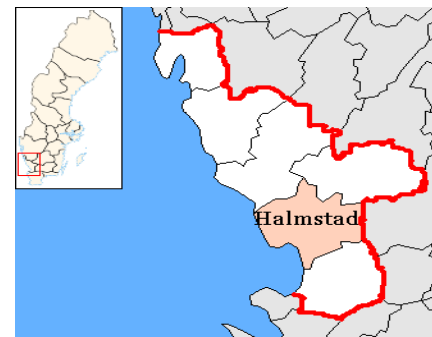


Towards PCP in Education

Introducing IMAILE project / coordinator Halmstad



WHY PCP?
HOW PCP preparation?
IMAILE Project
Challenges/ Lessons learned
Future PCP/ PPI ?



Halmstad development of Education

100 000 Inhabitants
39 Primary /Secondary schools
2 international coordinators
5 upper secondary schools
University

Coordinator
Smil(E) Interreg IVA (
budget 4.5 million euro)
STEM and ICT

Experience 50 EU projects
EU cooperation for
development

Cooperation
Maine USA 1
to 1 projects
SBIR

Background - Why PCP approach

Visible effects

Low usage of creative use of ICT in our classrooms

Low interest in STEM subjects

Early drop outs

(Increased local budget on special needs teaching)

Possible problem

Many ICT solutions on the market BUT a lack of customized approach to our educational needs

How can brilliant technology be used in a more effective way to create a difference for teachers and students?

Instrument to address the topic?

ICT 2013.8.2
a) ICT enabled learning environments

PCP – Pre commercial procurement
FP7 Cooperation ICT
Technology enhanced learning
Call open June 2012
Submission 16 of April



Preparatory work

Project idea and call identified

What about partners and skills?

- Public procurers -buyers group, co funding CP part
- PCP experience – industrial dialogue
- ICT expertise and support

Strategy – include expertise in consortium to support buyers group, less subcontracting

IMAIL consortium

Partner	Country	Role in project
Halmstad municipality Alexandersson Institute - Varberg	Sweden	Coordinator, public purchaser ICT Public procurer
Region Saxony Anhalt Magdeburg University	Germany	Public procurer ICT
Innova Eszak-Alföld Region Innova	Hungary	PCP, regional authority regional public procurer
Oulu ICT center of Excellence Municipality of Konnevesi	Finland	ICT skills Public procurer of ICT
ENTER	Austria	ENTER Non Profit organisation, Dissemination
INOVAMAIS	Portugal	PCP skills and SME / Business networks
City council Viladecans	Spain	Public procurer

Workshops, environmental scanning

PCP = Public procurers identify a common mid- to longterm challenge with no available solution on the market

- The European creative class room
- Science in society /Science in school
- Personal learning environments – PLE
- Classroom management (leadership, administration, pedagogical) solutions for documentation and assessment

E survey - Conclusions

- I. Average size of student group per teacher is 23
- II. 20- 30% of the students requires personalized learning
- III. 5-7 extra planning hours / week
- IV. Science, Technology and especially **Math** are crucial topics

Early drop outs starts primary/ children with special needs

Identified PCP challenge



Increased demand of personalized learning

New technology and research that address the challenge of **increased demand of personalised learning** and support teachers and students in **STEM** for **primary and secondary education**

Innovative solutions for personalised learning environments

Specific objectives



- WP 2 Prepare/ evaluate PCP process of PLE solutions
- WP 3 Set framework, execute joint PLE European call
- WP 4 (CP part) PCP stages
- WP 5 Monitor the PCP process in 3 stages
- WP 6 Set of European standards of PLE solutions
- WP 7 Promote PCP as instrument /PLE as innovation

Expected results of solutions:

Less planning hours for teachers
Shift from teachercentered to student centered learning
All students (special needs/ gifted) reach the goals
Full scale personalised learning for students
Reducation of early drop outs

Important facts IMAILE



WHAT ?	WHEN?
Launching the project	1 of February 2014 (42 months)
Industrial workshop Sweden	October 2014
European call for tenders published	February/ March 2015
BUDGET SUPPLIERS	Total 6.05 million euro 4.6 million euro / 3 PCP stages

Challenges PCP proposal



Challenge	Solution/ lessons learned
Co – funding	Search for new ways to raise this kind of development funding, EU , national, regional and structural funds
Identify PCP challenge	In depth global commercial state of the art
Network / partners	Important with PCP skills within consortium, ordinary cooperation network needs to increase
New method for innovative strategies	Many hours of preparation and prestudies, anchorage to “ convince” about the benefits
Development RTD content as public procurers	Important with RTD skills/ experience within consortium

But anything is possible..

12.5



*With enough
Coffee
anything is
possible*


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Future vision of IMAILE



New technology/ solutions brings:

- Less planning hours for teachers
- All students (special needs/ gifted) reach the goals
- Reducation of early drop outs

School and education organizations take a **proactive role in designing future learning/ teaching**



How to identify PCP/PPI challenges?

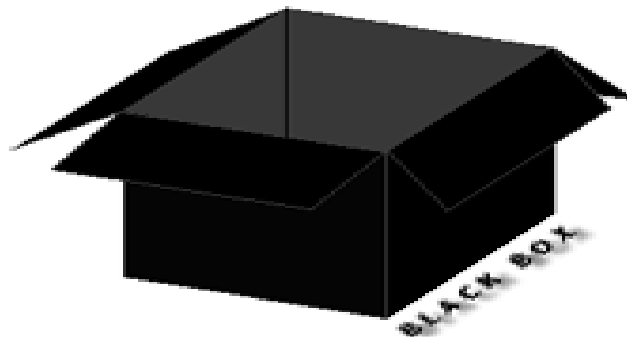
Top down meets bottom up

Open Education Europe 25.09.13

- Innovative ways of learning/ teaching with new technologies and digital content

Black box

- Problem oriented workshops with end users (both teachers and students)



Short glimpse of Opening up Education

Open learning environments

Innovative organisations, teachers and learners.
Self assessment tools learners, validation tools, testing
curriculum development

Connectivity and Innovation

Partnership infrastructures, new products /services (PCP / PPI)
digital gamesfor learning) Structural fudning



MOOCS
Massive open
online courses



PCP / PPI Education (bottom up)

Reading comprehension (PCP) Alarming reports - young people (1 of 5 , age of 15) no basic skills reading comprehension

Support teachers **administration, classroom management/ assesment** (PCP/ PPI)

Converter **21 st century/ EU skills** national curriculum (PCP)

Segregation public/ private schools gifted/ pupils with special needs (**MOOCS?**) PPI?



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Added value PCP in Education



Europe missing the boat again?

How to rise up to the opportunity of the new Digital Learning Revolution



PCP Instrument creates dialoge demand – supply side

- Public procurers powerful demand side (19.4 % of EU:s GDP)
- Sustainable development on European market

Thank you for your attention

Ellinor Wallin Project manager IMAILE

Read more

<http://openeducationeuropa.eu/en/project/imaile>

<http://www.halmstad.se/forskolaskola/kvalitetochutveckling/internationelltarbete/fp7imaileproject.10315.html>

Linkedin: IMAILE group

Twitter: IMAILE



Extra slide - Definitions of PCP &/ PPI

Using dialogue demand- supply side

- ❑ PCP to steer the development of solutions towards concrete public sector needs, whilst comparing/validating alternative solution approaches from various vendors
- ❑ PPI to act as launching customer / early adopter / first buyer of innovative commercial end-solutions newly arriving on the market

