

iTEC

Designing the future
classroom

D11.2.2 – SECOND WORKSHOP FOR EXPERTS AT AN INTERNATIONAL CONFERENCE

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INTRODUCTION

According to the DoW, iTEC will organise a total of three workshops which are deliverables under the WP11 task 11.2 “Promotion of iTEC to relevant stakeholders”.

iTEC’s second dissemination workshop was organized as part of the EMINENT 2012 Conference which was focused for that edition on “Schools in Europe in 2025”, a theme especially chosen to put the iTEC project at the centre of the discussions

The second workshop aimed specifically to provide an overview to the iTEC project and its potential value for the classroom of 2025 and to highlight the developments and results obtained to date to a variety of stakeholders.

The timing of the workshop has been planned so that it can be organised in the framework of the EMINENT conference, which European Schoolnet organises annually in November/December. Organising the iTEC workshop at EMINENT provides the project with several advantages:

- EMINENT brings together a diversity of K-12 education sector professionals: teachers, research organisations, policy makers from both national and European level and educational technology vendors.
- EMINENT is usually organised in parallel with a major national teacher event and supported by a national ministry of education providing the EMINENT programme with prestige.
- Several iTEC project partners and Associate Partners attend the EMINENT and travel costs can be minimised.

EMINENT CONFERENCE 2012

EMINENT (Experts Meeting in Education Networking - <http://www.cvent.com/events/eminent-14-15-november-2012-genoa/event-summary-1f5dcbc431d748ff95b483c5d76d1e05.aspx>) is European Schoolnet's annual event that brings together policy makers, researchers, teachers and industry people.

The EMINENT 2012 took place, for the second time, in Genoa on 14 and 15 November 2012 and was held within the ABCD Education Fair hosted by the Fiera di Genova - Genoa Fair & Exhibition Centre.

The ABCD Education Fair (<http://eng.abcd-online.it/>) is Italy's leading event devoted to schools and education. The fair offers a 360° view of the education sector, featuring exhibition areas, workshops, and conferences. In 2011 ABCD featured over 130 exhibitors and 42,000 visitors made up of students, teachers, parents, ministers and other active players in the education field.

A key part of European Schoolnet's mission is to work with its 30 supporting Ministries of Education in order to assist them with developing and taking forward reform processes in compulsory and upper secondary education. In 2012, EMINENT brought together 150 education sector professionals (see Annex 2 for the list of participants).

ITEC AT EMINENT

With the theme “**Schools in Europe in 2025**”, EMINENT explored how current trends in education and potential scenarios for the future classroom are likely to impact on the educational reform process. This year’s conference particularly referenced and drew on:

- Emerging results from the €9.45 million iTEC project that is developing future classroom scenarios and evaluating these in >1,000 classrooms in 15 countries, the largest pan-European validation yet undertaken.
- Recent research findings and data on the use of ICT in schools as regards technology infrastructure provision and its use in and out of school, teacher and student digital competence and attitudes towards ICT.

As well as providing participants with an in-depth insight on the iTEC project and on recent research findings, EMINENT provided a unique opportunity, not only to explore what the school of 2025 might look like, but to define the policy roadmap that is needed in order to up-scale and mainstream innovative use of ICT in the future classroom. These specific communications on the iTEC project were:

- Roundtable: From pilot experiment to mainstreaming policy
 - [The school must challenge the digital generation](#) - Per Thorbøll, *Deputy Director of UNI•C, Danish IT Centre for Education and Research*
 - [iTEC High Level Group - Mainstreaming innovation](#) - Gavin Dykes, *General Secretary of the iTEC project High Level Group*
 - [Scaling-up creative classrooms in Europe](#) - Stefania Bocconi, *CNR, Institute for Educational Technology*
- Roundtable on the classroom of the future:
 - Moderator: Gavin Dykes, General Secretary of the iTEC project High Level Group
 - Eduardo Marçal Grilo, Chair iTEC High Level Group, Trustee Calouste Gulbenkian Foundation
 - Kristen Weatherby, Senior Analyst, OECD – Teaching and Learning International Survey (TALIS)
 - Lord David Puttnam, *Senior Non-Executive Director, Promethean; Chancellor of the Open University; President of the Film Distributors Association*. A video of Lord Puttnam’s address is available here: <http://youtu.be/JAdRAy65b4Q>
- iTEC Workshop
 - [A look into the future\(s\)](#) - Will Ellis, *ITEC Project Manager*

ITEC WORKSHOP

Programme

The iTEC workshop programme was as follows within the EMINENT conference programme (see the full EMINENT programme in the Annex 1):

14 November 2012, 4:00PM - 5:30PM

Workshop 1 - A look into the future(s)

Chair: **Will Ellis**, *iTEC Project Manager*

This workshop includes:

- A summary of the potential value of the iTEC Learning Stories and Activities in the future classroom. Will Ellis, iTEC project manager
- Presentations from teachers and iTEC National coordinators on how they have successfully implemented iTEC learning activities:
 - Using interactive whiteboards, a VLE and students' mobiles, Harald Wilfer, German teacher
 - My school's iTEC experience - Good practice from Spain, Gonzalo García, Spanish teacher
 - New ways of learning in the future: examples from France, Mônica Macedo-Rouet, French NPC
- Small group discussions on three questions:
 1. How should we prepare the teachers for the classroom of 2025?
 2. How should we ensure that the iTEC learning stories and activities meet the needs of the learner of 2025?
 3. What needs to be done to allow teachers and learners to use 21st century technology in the classroom and beyond?

Presentations

Will Ellis: A Look into the Future(s)

Will Ellis provided an update of developments within the iTEC project and described the potential value of iTEC Learning Stories and Activities for the classroom of 2025.

The Workshop began with a presentation on Scenarios for the classroom of tomorrow. Starting with an overview of the project progress and actual state of art, passing through the subjects “What are learning Scenarios?”, “How are they made?”, “How are they used?”, the participants were presented with a set of findings and benefits on the use of these pedagogical tools in classroom.

Were highlighted the following benefits:

- Changes to pedagogical strategies
- Impact on teachers attitude
- Teachers professional development
- Impact on students attitude
- Impact on outcomes



Harald Wilfer: Using interactive whiteboards, a VLE and students' mobiles

This teacher highlighted the potential of the use of interactive whiteboards; Virtual learning environments and students' mobiles in the classroom showcasing his own good practices in iTEC project (cycles 01, 02 and 03).



Gonzalo García: My school's iTEC experience - Good practice from Spain

The Spanish teacher focused on the importance of working in teams increasing collaborative learning outside school. He introduced his own activities with students summed up in the following video: <https://www.dropbox.com/s/5qukkxsp0syb0ny/eminent.mp4>

Mônica Macedo-Rouet: New ways of learning in the future: examples from France

Monica as a National Pedagogical Coordinator for iTEC project, explained the French Context regarding the widespread access to computers and Internet, the growing usage of ICT in pedagogy and the need of continuous professional development and training.

Going from the results of iTEC’s second cycle she presented a successful case study of a French teacher on the theme “Students creating science tutorials” (video from David Latuche http://www.cndp.fr/itec/?page_id=12)

The presenter provided food for thought by challenging the audience to think about how we should prepare the teachers for the classroom of 2025.

Summary of speakers and presentations

Speaker	Presentation
Will Ellis – iTEC Project Manager, European Schoolnet	A Look into the Future(s)
Harald Wilfer – German Teacher	Using interactive whiteboards, a VLE and students’ mobiles
Gonzalo García – Spanish teacher	My school’s iTEC experience - Good practice from Spain
Mônica Macedo-Rouet – French NPC	New ways of learning in the future: examples from France

Speaker bios

Will Ellis

Will Ellis is currently working with European Schoolnet leading the European Commission funded iTEC Project, a four year project that examines the potential classroom of the future. With 27 project partners, including 14 Ministries of Education, iTEC will provide a model for the effective deployment and use of technology in the classroom that can become embedded in all Europe’s schools

Will previously held the post of Senior Manager within Becta, the UK Government Agency responsible for educational technology strategy. Will oversaw national strategy for learning tools and resources including the Learning Platform Services procurement framework, delivered to support schools purchase VLEs. Will also held responsibility for the annual BETT Awards which celebrate innovation and quality in learning technologies and led a programme of work on content technical standards including the development of interoperability specifications for interactive whiteboard content, VLEs and resource discovery.

Will started as a science teacher and progressed to the post of Project Manager in the high profile UK Education Ministry ICT Test Bed Project. The project explored and tested new and developing strategies in the use of ICT in

education and arguably spearheaded further UK government funded work within England to improve schools use of technology.

Gonzalo García

Gonzalo García has a Master's Degree from Santiago de Compostela's University in Physics. He has 18 years of teaching experience in Maths, Physics, Chemistry, Technology, from 9th to 12th grade. Also, he is a SMART Certified Trainer.

He has led some innovative projects in his school, Colegio Internacional SEK-Atlántico (Pontevedra, Spain). As an example: "SMART Excellence School Investigation" (2008 – 2010). He has been speaker in the "III IWB conference" (Madrid, November 2011), "NA SEE Summit" (Calgary, Canada, July 2012). He is a SMART Exemplary Educator and through this program he has been involved in EUN iTEC project since June 2011. From then on, he has carried out four pilot projects in cycles 1 (one of them a Case Study) and 2. He is coordinating a team of seven teachers involved in carrying out cycle 3 pilots at his school. Now he is developing two more pilots in cycle 3 and he has become one of the iTEC Teachers Community moderators for this cycle 3 period.

Mônica Macedo-Rouet

Mônica Macedo-Rouet, Senior research assistant, holds a PhD degree in Information and Communications Science. The focus of her work at CNDP is on how technology impacts learning. She has conducted research in the areas of science communication, hypertext reading, and digital literacy, and has published in journals such as *Computers & Education*, *Learning & Instruction*, and *Science Communication*. She is currently the French national pedagogical coordinator for the European project iTEC (Innovative Technologies for an Engaging Classroom).

Harald Wilfer

- 1955 born in Frankfurt/Main
- 1974 "Abitur" certificate (A-level)
- 1974 -1980 studies in biology and geography in Darmstadt
- 1982 Graduated teacher in biology and geography
- 1982 – 2000 Guitar teacher and guitar artist (guitar duo)
- Since 2000 Teacher at comprehensive schools in Hattersheim and Mörfelden-Walldorf
- Since 2006 Special teacher and trainer for IT in the area of Groß-Gerau (south of Frankfurt)

He was highly involved in equipping his school (Bertha-von-Suttner-Schule in Mörfelden-Walldorf) with SMART Boards in every teaching room (since 2009) and administrating the LMS lo-net2 (since 2006) that all members of our school use for their purposes. Special interests: interactive boards (i.e. SMART Board), learning management systems (LMS), web 2.0 applications.

Group discussions

Finally the workshop had a reflection in small groups on the following three questions:

1. How should we prepare the teachers for the classroom of 2025?
2. How should we ensure that the iTEC Learning Stories and Activities meet the needs of the learner of 2025.
3. What needs to be done to allow teachers and learners to use 21st century technology in the classroom and beyond?

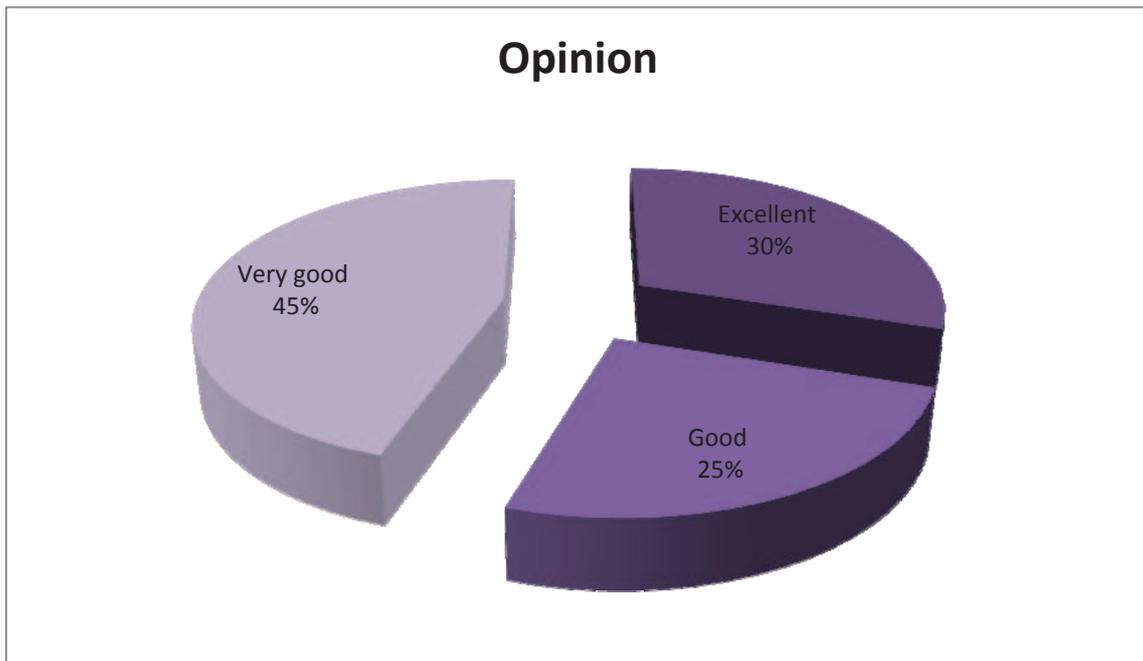
The outcomes are described further on in this report and were allowed to be presented via a Word document, discussions on Twitter or a video. The small groups were composed of 2 to 4 participants; we had 6 groups in total.

ITEC WORKSHOP RESULTS

Participant feedback

Based on the feedback collected after the EMINENT conference from all the participants, the iTEC workshop received a positive rating as shown in the following graphic.

What is your opinion of this workshop?	
Options: Excellent, Very good, Good, Not Good, Poor, Other:	
Answer Text	Percentage
Excellent	30.00%
Very good	45.00%
Good	25.00%



Source: EMINENT feedback collected online after the conference. CVENT <https://app.cvent.com/>.

Group discussion outputs

How should we prepare the teachers for the classroom of 2025?

Technology

- Make sure that the technology used is very user friendly.

Training

- Identify the core skills to be developed (e.g. how to manage students in a media rich environment, find and handle information sources for his/her purposes but also for students)
- Provide opportunities for teachers to share and observe other practitioners
- Encourage teachers to continuously learn in this area and provide appropriate training

Teachers

- Influence the way teachers think about their role so they are able to accept new approaches.
- Ensure teachers are more comfortable in accepting students ideas about the use of technology
- Motivate teachers to implement tools that are not familiar to them but learnable by the student.
- Continue to value teachers competencies, and as a key actor in the classroom
- Make them enthusiastic about using new technology

And...

- Opening schools to parents and companies for informal learning



How should we ensure that the iTEC Learning Stories and Activities meet the needs of the learner of 2025?

Technology

- They must use the technology they are familiar with, their own devices.
- By ensuring technology is integral to the learning, not additional.

Teaching

- They should focus on the pedagogy not on the technology alone. They have to be flexible, open to adaption.
- They need to start trying to reflect today's (modern) outside world in schools.
- Provide activities that focus less on knowledge and more on the skills students need to answer the questions they will face in the real world.
- They must challenge them (teachers? learners?) to be creative and not listen and watch but do and learn.

And...

- Increase collaboration outside of the classroom
- By Involving parents



What needs to be done to allow teachers and learners to use 21st century technology in the classroom and beyond?

Training

- Show teachers how they can integrate different technologies for learning and teaching
- Train teachers in the management of the future classroom and not to be afraid of new technology

Technology

- BYOD and make them compatible in social and technical terms. Set IT-standards for learners.
- Part of it is infrastructure, every school needs wifi (if MC Donalds has it for free why not your school!!).
- Also I believe we need to get the paper based materials behind us, take it to the internet. Be able to share information in a secure environment with other students and lectures.
- Improved technology integration allowing data driven decision making and real-time assessment.

Policy

- Legislation needs to change. In The Netherlands students need to be at school with an instructor to account for the students hours set by the government.
- Helping teachers obtain technology.
- Inspire teachers about the benefits and give them financial incentives 😊
- Trust teachers.



MEETING THE OBJECTIVES

Reflecting on lessons learned from 2011 we thought that for the 2012 workshop it may be useful to have a different format that allowed delegates to be able to engage more easily in a discussion with project partners about the findings of the schools pilots and the iTEC evaluation, involving also:

- Teacher testimonials
- Demonstrating iTEC learning activities
- Interaction with participants through interactive tools such as instant voting, messaging, tweeting, etc., particularly where event logistics make it difficult to have smaller discussion groups

This format was successful in ensuring participants could actively engage in discussion about the potential of the project and its relevance to their work and organisations. The objective of “Promotion of iTEC to relevant stakeholders” was achieved.

The workshop particularly allowed experts to gain a better understanding of the scenario development process and appreciate the extent to which mainstreaming successful scenarios and innovative learning activities would increasingly become a core activity in the second half of the project.

Lessons learned

Arranging iTEC workshops at EMINENT conferences has the key advantage that the project can easily connect both with senior policy makers from Ministries of Education and major ICT vendors that attend the conference. Organizing project-specific workshops, however, can sometimes be constrained by the timetable and logistics of a larger conference, either at EMINENT or elsewhere. For example, it would have been useful to be able to extend the workshop by another half hour.

Workshop dissemination

The workshop was publicized prior to EMINENT on the iTEC, European Schoolnet and the EMINENT websites. In addition, announcements were posted on EUN social media (Twitter and Facebook). The workshop summary was published on the EMINENT website as all other conference summaries.

ANNEXES

Annex 1: EMINENT 2012 – conference programme and photos

Programme

<https://custom.cvent.com/497380097BD94BE8A94145C10E481A7B/files/bef605d120a64edf8a3b5d5265a92f97.pdf>

Photos

<http://www.cvent.com/events/eminent-14-15-november-2012-genoa/custom-19-1f5dcbc431d748ff95b483c5d76d1e05.aspx>

Annex 2: EMINENT 2012 – list of participants

<https://www.dropbox.com/s/zfa3zqc04fghe1b/participants%20list.pdf>