



## Hannover, Germany 2-6 March 2010 CeBIT 2010

CeBIT is the world's largest ICT fair. The E-CLIC delegates were kept very busy, still they found it difficult to experience it all. CeBIT 2010 had 4 157 exhibiting companies representing 68 countries.

The CeBIT fair seethed of enthusiasm. Katarina Nordmark, E-CLIC project co-ordinator, and the other E-CLIC fair visitors did their very best to manage to see and experience as much as possible during their two day visit.

- The fair is so big and has so much

to offer which makes it both really exciting and tiring. One would need another few days to be able to see it all, says Katarina Nordmark.

The E-CLIC project had its own small booth in one of the exhibition halls, in which the partners and the attending students had a chance to discuss experiences and new innovative ideas.

- It is a very stimulating to see the students in action, says Sture Hermansson.

By visiting CeBIT 2010 Sture Hermansson was attending one of his last events as E-CLIC project manager, before retiring in October.

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A relaxing Sture Hermansson



## Multi-Mania

E-CLIC partners both hosted and visited the 2010 Howest Multi-Mania Conference.

The *Entrepreneurship Forum*, a side-track of the yearly Howest Multi-Mania Conference, presented an inspiring mix of Belgian and internationally renowned professionals who shared fresh insights and advice on entrepreneurship and innovation.

The Studios, hosting the event, invited stimulating guest speakers. This year two E-CLIC members were amongst the speakers, Christel De Maeyer and Bix Jacobse.



E-CLIC guest speakers Bix Jacobse

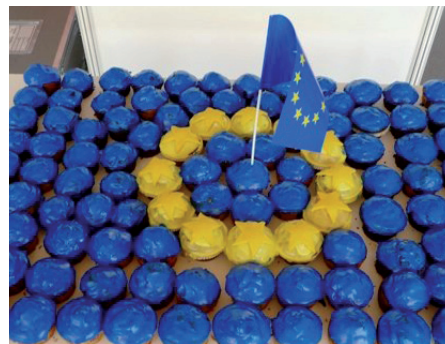
## Mid-term

The E-CLIC Mid-term Conference was held 9-10 June in Hannover, Germany.

The E-CLIC Mid-term Conference was integrated into the Initi@tive D21's Annual Conference, and also hosted by D21.

In tropical summer heat Hannover welcomed the delegates. An E-CLIC Steering Committee Meeting on 9 June opened the Mid-term Conference. This fruitful meeting ventilated, amongst many other things, the challenge of getting the virtual meetings on track.

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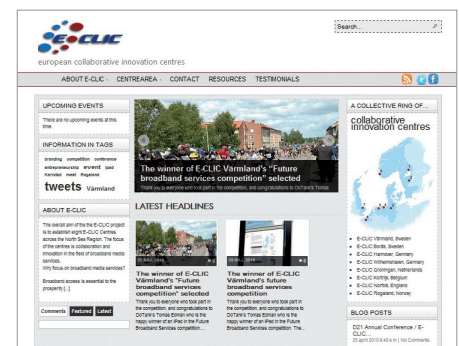


## New Website

A new E-CLIC website will soon be launched.

The E-CLIC website will soon be relaunched. It will make collaboration and a distributed way of working with web-related communication much easier and up to date.

The new website will be integrated with a selected flora of social media techniques and addressing a more persuasive design in ways of reaching and connecting to its target audiences.



Hannover, Germany 2-6 March 2010

## CeBIT 2010



Students at the CeBIT fair

To improve student exchanges in the E-CLIC project, a common task was assigned to students during the CeBIT Trade Fair Conference in Hannover. Twenty-eight participating students were divided into four international teams, to find business ideas in the field of innovation and ICT.

The team assignment's aim was to research a field of interest at CeBIT and find out all about the latest innovations within that field. Based on these innovations, a new product or business idea that uses as many aspects of the E-CLIC subjects as possible was then to be developed. This was carried out with success, and the students came back with brilliant cases based on new technologies seen at CeBIT. The four teams wrote reports on their findings, and these product or business ideas are described in Case Studies in E-CLIC's different work packages. The student involvement at CeBIT resulted

in the establishment of a communication platform, <http://e-clic-tv.ning.com>, where students can easily connect to each other and discuss their assignments. This will be used for all further student exchange activities.

### Student Experience at CeBIT

Two students from E-CLIC Värmland, Ewelina Helmersson and Mollin Widegren, visited the CeBIT fair. This is their experience:

– Our involvement in the E-CLIC project has been really useful to us. It was a new experience and we learned how to work fast and how to come up

with new concepts in a group during a time limit. It was very exciting to see so many cultures gathered under the same roof thanks to their common interests in ICT. We made new friends and contacts with other E-CLIC students, and we learned how to cooperate and communicate with people from other countries in Europe. It was very rewarding, and a great exercise. It is also an important reference in our curriculum.



Mollin Widegren and Ewelina Helmersson

Hannover, Germany 9-10 June 2010

## E-CLIC Mid-term Conference

Half-way through the project, E-CLIC partners were celebrating good cooperation and well functioning teamwork. A visit to the Initi@tive D21 Annual Conference was also part of the mid-term conditions.

Initi@tive D21 was proud to present Federal Minister Dr. Thomas de Maiziére



E-CLIC Mid-term participants

as keynote speaker of the conference, which theme was *Data - The new key currency in the digital age?* The morning session ended with an interesting panel discussion.

In the afternoon forum closing session, E-CLIC speakers informed the audience about the E-CLIC project, and the benefits one can get from being part of the project.



E-CLIC speaker Mark Wells, Norwich UK

## Karlstad May 2010 Study Visit

E-CLIC Groningen from the Netherlands, made a study visit to E-CLIC Värmland, Sweden.

In May, delegates from Hanze University Groningen came on a study visit to E-CLIC Värmland. The subject of the discussion was possibilities for student exchange and knowledge transfer within the areas of testing and agile software development. The meeting was productive and many good opportunities for student exchange were found.

## Stavanger June 2010 NSR Conference

E-CLIC was attending the NSR Joint Annual Conference in Stavanger, Norway.

The aim of the Joint Annual Conference was to gather expectations and to formulate key challenges that stakeholders foresee in the development of the NSR towards 2020. Within "Cluster Cafés" conference participants had the opportunity to interact and discuss topics as for instance Sustainable energy, Entrepreneurship or Resource Management.

### Calendar

**Official Opening of The Studios**  
9/9 2010 Kortrijk, Belgium

**E-CLIC Seminars:**  
**Cloud computing and**  
**Optimizing Virtualization**  
23/9 2010 Karlstad, Sweden

**Design for Persuasion Conference**  
29/9 2010 Workshop  
30/9 2010 Conference  
Ghent, Belgium

**E-CLIC Project Meeting**  
18-19/10 2010 Borås, Sweden

# The six WP-Leaders Share Their Experience

## Latest News from the Work Packages

### WP1 - Katarina Nordmark

More than half of the project period has now passed and our mid-term conference has been satisfactorily completed. The E-CLIC Mid-term Conference, held in Hannover in connection with the Initiative D21s annual congress, was a well-attended event on the topic of "Data – the new key currency in the digital age?".

E-CLIC has appeared on several other major events, including at the CeBIT 2010 fair in Hannover, Multi-Mania in Kortrijk, in Värmland's business trip in the Baltic Sea and at the North Sea Annual Conference in Stavanger.

It is high time to start planning for how to run our E-CLIC centers after the end of the project. The possibility of a new joint cluster project, bringing together e.g. E-CLIC and Smart Cities partners and activities, has been discussed.



### WP3 - Theo Miljoen

WP3 deals with the development of broadband services. An important event in the last period was the international collaboration between students of the partner institutions. They did research in interdisciplinary and multinational teams at the CeBIT 2010 fair to find out all about the latest innovations.

The CeBIT 2010 fair in Hannover is the world's largest trade fair, showcasing digital IT and telecommunications solutions for home and work environments. Based on this research, the student teams developed ideas for new market oriented broadband services. All teams presented their ideas to representatives of the E-CLIC partners, who gave feedback, at the international E-CLIC meeting in Hannover. After the presentations the teams developed their ideas further in case studies. New ideas for new business!

Additionally, partners are working on different projects like a web based portal to support e-Government, Second Life for e-learning, business models for Internet services, webcast systems, telecare, agile software development, e-reader, etc.

Collaboration between partners was also established by the exchange of lecturers, for example in the area of agile software development and testing.



### WP2 - Jan Frick

In spring 2010, WP2 activities were carried out by the centres in accordance with the plans from 2009. All regions had a centre established in 2009, and the activities with regional and transnational workshops and living labs are on track.

Regarding the transnational meetings and exchanges, all E-CLIC partners had a common stand at the CeBIT 2010 exhibition in Hannover, Germany, in March. All partners participated, and students from the partner countries took part in transnational productions. This means that they produced video clips in transnational

teams focusing on new and coming technologies at the many different stands.

During the NSR Annual Conference we received information that an E-CLIC spin-off project had been approved. The NordForsk program Living Labs confirmed support to an application where Karlstad University, Compare, University of Stavanger, Ipark, and five other partners, with the University of Aalborg, Denmark, as the major newcomer. The project will run for three years starting in August 2010.



### WP4 - Jamie Warren

The Content Production within the E-CLIC project goes from strength to strength.

Recent activities in WP4 include a live three hour production that was streamed to the web and included live audience interaction using mobile phone texting technologies. The production had both live music and a make-up competition at its core, with links backstage throughout the production. Students crewed the production and found it an invaluable experience operating in a professional TV studio environment.

The BBC has also embraced Norfolk's E-CLIC centre in the UK and has produced a number of productions from the centre's studio spaces for broadcast both regionally and nationally.

The UK centre is looking for anyone keen to develop studio based TV pilots. If you have got a good idea that is new and innovative, please get in touch.



### WP5 - Andreas Kassler

The Ipark mesh network was brought into operation by Scandicall ([www.scandicall.com](http://www.scandicall.com)) in early 2010. It is expected to grow to about 250 nodes this year. The mesh platform is controlled from a central server, allowing remote configuration and system changes. Running on low cost hardware but featuring a high end feature list, the mesh solution can be rapidly deployed anywhere in a true plug and play style.

The MiniMesh platform can be used to rapidly roll out city wide WiFi Hot-zones in a very cost effective manner. ScandiCall's solutions are also used to

run and operate the world's largest mesh covering 60 km of the River Thames in London.

One joint case study between Karlstad University and Deutsche Telekom Laboratories (Berlin, DE) has been evaluating the impact of different burst transmission schemes on voice quality in wireless mesh networks. In addition, a case study has been focusing on determining the impact of different kinds of interference on the performance of Multi-Radio Wireless Mesh Networks.



### WP6 - Tim Brauckmüller

WP6 has made strong progress during the past months. After the development of the questionnaire in the last reporting period, the evaluation has been carried out for each of the work packages and the results analyzed by the WP6 group. The outcome was presented during the Mid-term Conference in June in Hannover and it could be said that the overall results of the mid-term evaluation were quite satisfying.

Both the regional and transnational meetings as well as various workshops

have been identified as quite helpful for realizing tasks, establishing contacts and exchanging knowledge within the project. Eight E-CLIC centers as well as three Living Labs have been established.

Also, some weak points have been identified, such as a general lack of communication, which now will be taken into special consideration to be minimized.



# E-CLIC Groningen Officially Opened

**After successfully operating 18 months – E-CLIC Groningen is finally officially opened.**

E-CLIC Groningen celebrated the official opening of the centre on June 24. The team, students, companies and other stakeholders were – up until then – always too busy to celebrate. Finally the regional E-CLIC team found the time to have a reception while unveiling the name plates of the E-CLIC building on the shared campus of the Hanze University for Applied Sciences and the University

of Groningen. The opening day was carefully chosen to coincide with the day of the graduation ceremony of the international students of the ICT department, who had contributed to a number of successful projects within E-CLIC.

Dean Henk Zwetsloot opened the centre with a speech thanking students and companies for their contributions to develop innovative gaming produc-

ts as well as a number of e-services.

Within the E-CLIC building two special rooms were also opened. One named after the famous computer scientist and cryptanalyst Alan Turing (23 June 1912 – 7 June 1954), the other one after the American computer scientist and pioneer in the field of computer programming language Grace Murray Hopper (9 December 1906 – 1 January 1992).



The E-CLIC Groningen team



Graduating students

## E-learning in a New Way

**During Compare Karlstad's 10-year jubilee week in May several high quality seminars were held. One of them was about a new e-learning tool and was presented by the E-CLIC partners from the University of Stavanger, Norway.**

The presentation was held by software developer Petter Mordt and MariLinn Larsen, project coordinator from NetOp - a competence centre within the University of Stavanger.

The recent launch of Adobe's software package CS4, has made it feasible to integrate Flash content into PDF publications, read in Adobe Reader. The solution exploits the best features of the two traditionally separate worlds of interactive multimedia and standardized, digital publication of documents and graphics, and lays the ground for a completely new breed of e-learning applications. The Uni-

versity of Stavanger, explore the new features of the PDF format in the development of e-learning material for a web based bachelor degree in nursing. Petter and MariLinn demonstrated several examples of e-learning applications based on the solution, the methodology it constitutes, its benefits and challenges.

The audience, which included several ICT companies from Compare, found this new application very interesting and saw new business possibilities. They also saw the seminar as a fruitful example of how companies can benefit from EU projects.

### E-CLIC Newsletter

This newsletter will be published twice a year.

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The Interreg IVB  
North Sea Region  
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Eva Glavenius, Petter Mordt, Mikael Lundstrom and MariLinn Larsen at the E-CLIC seminar in Karlstad

*Investing in the future by working together for a sustainable and competitive region*