we extend the learning experience with mobile learning
what’s going on?  
life goes mobile - what about education?

technology has advanced rapidly

devices are already in the pockets of learners

learning processes are individual

learning spaces are out-of classroom

cost-efficiency is more important

social learning environment important

learners adopt the available technologies in their learning and communication
paradigm shift in learning

what’s going on

we are moving from magistro-centric way of controlled classroom teaching towards a mentored, individually supported learning process

fast change in technologies has been one of the key drivers in changing learning

the need to update one’s professional knowledge has become a crucial factor in keeping up with the competitiveness in global marketplace

With these rapid changes in the surrounding world, learning has become individual

With the technology being wide-spread, and the initial need coming from the work life, new learning spaces are emerging everywhere except the classroom of a school building.
E-learning solutions have provided the tools to tie in individual processes as a whole, but what is lacking with web-based learning environments is the connection of a learning experience into the life surrounding the learner. One needs to find the time to sit down, start the computer and log in to the virtual learning environment before starting to study. The only way to assure the quality, intensity and accessibility of an individual learning process is to get close to the learner.

With Jedi mind tricks unavailable, the closest we can get is the pocket or the handbag of the learner. Inside is the most personal technology the learner has, the mobile phone, which provides a link binding the learning experience to everyday life.
what’s going on

Mobile learning should always be seen as a part of the equation, not the solution – what mobile learning provides, is the channel to the in-between periods of classes/f2f and e-learning activities.

Too often mobile learning solutions are focused on sharing the virtual learning environment materials to mobile handsets. What was missing is the context of mobile learning situations - usually the learners have a few minutes to spend (on the bus ride home, waiting for the meeting to start, etc.).

Mobile learning is more than just consuming one-way information. Mobile handsets are also tools for content creation.
paradigm shift in learning

accessibility, intensity and quality is needed in learning
the mobile context

why mobile?
mobile is only one part of the
content must meet context:
byte-sized chunks of nano-learning
tools for content creation & connecting
learning process needs to be transparent
the iPhone effect
connected experience: people & places
what is going on?
no doubt that the United Kingdom is the leading provider

at least 4 areas of provision: primary and secondary schools, universities, government departments and corporate providers

provision at primary and secondary school level is vibrant

there are a wide range of British companies involved either in the production of mobile learning systems or of mobile learning courseware to run on these systems

this is the difference compared to many other European countries
mlearning in Europe

the “next level” consists of countries in which there has been mobile learning activity mainly in the form of many excellent projects and initiatives:

- Austria
- Bulgaria
- Cyprus
- Czech Republic
- Denmark
- Finland
- Hungary
- Ireland
- Italy
- Netherlands
- Norway
- Portugal
- Slovakia
- Slovenia
- Spain
- Sweden

companies are becoming more and more active also on these countries:

great products and companies offering technologies that can be amazing also from learning perspective (Social networking)
on-the-job learning!
how to ensure the quality of learning when learning is out-of-classroom

thousands of users in Finland and Denmark

aiming at supporting the student’s learning, giving them possibility to be proud of their learning

more concrete goal, stop dropping out!
Mobiletools mLearning Toolbox

- Constant Mobile Feedback
- Easy-Access Multimedia Diary
- Web-Based Analysis & Database Instruments
- Multi-Partite Involvement
- Categorized Study Phases
- Two-Way Multimedia Materials
Easy Initial Set-Up

Ready-Made Planned Materials & Schedules

User Data Sync with Present Databases automatically
Mobile Data Input

Fast and Trouble-Free Interface On-The-Go

Java Technology Works on Virtually any Color-Screen Mobile Phone

Multipartite involvement
Mobile Data Input
Fast and Trouble-Free Interface On-The-Go
Java Technology Works on Virtually any Color-Screen Mobile Phone
Multipartite involvement
Mobile Data Input

Fast and Trouble-Free Interface On-The-Go

Java Technology Works on Virtually any Color-Screen Mobile Phone

Multipartite involvement
Mobile Data Input

Fast and Trouble-Free Interface On-The-Go -> Realtime
Java Technology Works on Virtually any Color-Screen Mobile Phone
Multipartite involvement
Mobile Data Input
Fast and Trouble-Free Interface On-The-Go
Java Technology Works on Virtually any Color-Screen Mobile Phone
Multipartite involvement
Hello demo

You are now in Demo Program.

Use left/right keys to navigate and up/down keys to create and view content within this program.

Upload Content

- Take a Photo
- Record sound
- Take a video
- Write a text entry

Anywhere Learning

Mobile learning is learning anywhere.

Open Back

Zoom Back
Powerful Analysis Tools through web

Student Group Status at a Glance
Deeper Data Analysis Through Reporting Instruments
Conclusions

Recommendations and future trends

Africa has great potential for mlearning, no burden of “elearning era”

It’s not about technology it’s about interaction with and between the learner’s, links to social networking crucial

Sophisticated communication devices which majority of students carries and uses constantly - except in education

Technology will give more and more options but there is no need to wait

Learning has to be integrated to everyday life!
What we're looking into now, is ways to connect and integrate the mobile technology to the current geographical and social context of the learner, and use this information as a part of the total learning experience. We speak about mLearning instead of mTeaching i.e. the role of the learner is active and the learner interacts and create content in real time.

"People are taking greater personal responsibility for education and learning as they actively search for personal development paths. New technologies are changing, making profound changes to what we learn and how we learn it. Future forms of learning and self-development are likely to be increasingly diverse and happen outside the class room in domains like gaming, on-line networks and grass roots educational communities." (Nokia corp., 2008, New Trends 2011).