UNESCO Symposium on Mobile Learning 2013: Walking Gallery Mobiles for Literacy, Education Quality and Gender Equality

As part of its second Mobile Learning Week, UNESCO will host a Symposium on Mobile Learning on 18 and 19 February 2013 at its headquarters in Paris, France. Officials of Ministries of Education, international experts and practitioners in mobile learning, as well as representatives from major partners are invited to share innovative solutions of learning with, and through, mobile technologies to accelerate the achievement of the Education for All (EFA) goals.

UNESCO recognizes that on the one hand the challenge to reach the EFA goals by 2015 has become more urgent in view of a global economic recession, political conflict and natural disasters. On the other hand, significant growth in mobile device access in developing countries releases new possibilities for confronting such an unfolding global crisis.

UNESCO believes that this trend opens up prospects for exploring how mobile technologies can enable education access, quality and equity embodied in the EFA goals. Consistent with its principal functions to promote international cooperation, build capacity and facilitate knowledge-sharing, UNESCO seeks to engage multiple stakeholders on the appropriate integration of mobile technologies into formal and informal learning contexts.

The symposium will engage three specific questions tied to the EFA goals:
1. How can mobile technologies support **literacy** development for children and adults?
2. How can mobile technologies support teachers and their professional development in order to improve the **quality of education** delivered to students?
3. How can mobile technologies support **gender equality** in education and extend opportunities to women and girls in particular?

During the UNESCO Symposium on Mobile Learning, the "Salle des pas Perdus" will be a "walking gallery", where a number of exhibitions will showcase recent developments in mobile technologies and mobile learning projects. All coffee breaks will take place in the walking gallery, allowing the symposium delegates time to meet the exhibitors as well as other participants.

The main objectives of the walking gallery are to:
• Share the latest developments of mobile technologies and their implications for education, and envision innovative ways in which mobile technologies can be used to support literacy, education quality and gender equality.
• Explore hands-on experiences from the field, sharing ideas and exploring international cooperative efforts on mobile learning.
• Build public-private partnership to scale up mobile learning initiatives on the ground.

UNESCO particularly invites industry partners, education institutions and organizations to exhibit in the walking gallery, showcasing examples of the latest mobile technologies, and projects that involve mobiles for literacy education, mobiles to support teachers and promote high-quality education, and mobiles for gender equality in education.

Walking Gallery Program

Dates: 18 – 19 February, 2013
Venue: "Salle des pas Perdus", Building Fontenoy; 7, Place de Fontenoy, Paris

Gallery 1: Nokia
- Nokia is a global leader in mobile communications whose products have become an integral part of the lives of people around the world. Every day, more than 1.3 billion people use their Nokia to capture and share experiences, access information, find their way or simply to speak to one another. Nokia's technological and design innovations have made its brand one of the most recognized in the world. For more information, visit http://www.nokia.com/about-nokia.
- Mobile technology can provide equal access to information and quality education materials. Mobiles enable expanding the reach of education, facilitate personalized learning, provide immediate feedback, build new learning communities and bridge formal and informal learning and more. Nokia will present the following mobile education solutions:
  - *Nokia Mobile Mathematics* – an engaging learning environment that is used to teach both students and teachers mathematics (and other subjects).
  - *Nokia Flashcards* – literacy application.
  - *Nokia Life* –providing learning and education content.

Gallery 2: Microsoft
- Real Impact for Better Education: Microsoft is a worldwide leader in software, services and solutions that help people and businesses realize their full potential. The corporation has operations in more than 100 countries. Microsoft offers a broad set of capabilities to help transform education and prepare students for the future with essential skills. Our commitment is to the success of each student through empowered educators and innovative learning environments. Microsoft partners with education communities to deliver relevant, effective, and scalable technologies, services, and programs that focus the contributions of many on improved learning outcomes for all.
- At this year's Mobile Learning Week Microsoft will present an extract from 'The First Mile', a documentary it supported which explores how mobile technology can advance education in the developing world. Microsoft believes every learner should have a digital learning device that offers them a quality and relevant education, and we will be demonstrating current solutions and devices that are helping to deliver on this vision.
  www.microsoft.com/education

Gallery 3: Huawei

- Huawei is a leading global information and communications technology (ICT) solutions provider. Through our dedication to customer-centric innovation and strong partnerships, we have established end-to-end advantages in telecom networks, devices and cloud computing. We are committed to creating maximum value for telecom operators, enterprises and consumers by providing competitive solutions and services. Our products and solutions have been deployed in over 140 countries, serving more than one-third of the world's population. For more information, visit Huawei online: www.huawei.com.Follow us on Twitter: www.twitter.com/huaweipress and on YouTube: www.youtube.com/user/HuaweiPress.

Gallery 4: Alcatel-Lucent

- Alcatel-Lucent is a leading innovator in the field of networking and communications technology, products and services. As a responsible corporate citizen and leader in the telecoms industry, Alcatel-Lucent works to enrich people's lives by transforming the way the world communicates and connects, and by acting in full recognition of its social and environmental responsibilities as a company. Alcatel-Lucent also recognizes the important role the telecommunications sector must play in the global effort to address better access to education and has invested particular attention to the role mobile learning can have in this space.

- Alcatel Lucent will present its *mBox* platform (industrial SaaS platform) aimed to deliver a wide range of valuable mobile Education services. We have developed a specific module which provides a full mEducation service from basic SMS-based services to advanced mobile applications. The key benefits of the mBox are its very high flexibility (connection to any operator network, any mobile device, integration in any IT back office system) and its easy ability to evolve to other services and applications which can complement mLearning (mCouponing, mDonation, mMarketing, mPayment services).

Gallery 5: GSMA

- The GSMA represents the interests of mobile operators worldwide. Spanning more than 220 countries, the GSMA represents nearly 800 mobile operators and more than 200 companies in the broader mobile ecosystem globally. We are working in mEducation to help bring the operator and education industries together to address market barriers, foster collaboration and speed up the adoption of mobile education services.

- GSMA will showcase mobile learning projects and services from three mobile network operator members, Etisalat (United Arab Emirates), Telefonica Learning Services (pan-European) and Telstra (Australia). There will also be information available for people or organizations interested in exploring mobile education trial possibilities with our operator members.

Gallery 6: RTI International

- RTI International is one of the world's leading research institutes, dedicated to improving the human condition by turning knowledge into practice. Our staff of more than 3,700 provides research and technical services to governments and businesses in more than 75 countries in the areas of health and pharmaceuticals, education and training, surveys and statistics, advanced technology, international development, economic and social policy, and more. Our non-profit International Development Group has become a recognized leader in education system strengthening thanks to our early work in supporting governments to improve education decentralization and finance, and more recently through innovations in early grade reading assessment and instructional improvement.

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- RTI International will be presenting a suite of open source early grade literacy development applications for teachers, designed for low-cost Android devices and optimized for low-resource environments. The applications include: Tangerine™ electronic data collection system for large-scale early grade reading and math assessments (EGRA/EGMA); Tangerine:Class™, a curriculum-based measurement tool of early reading skills designed for use in the classroom as a continuous assessment and teaching improvement ; Papaya™ a drag-and-drop word-building tool and electronic flashcards for use on tablet computers; and a multimedia-rich teachers guide for early reading that is currently being used in Kenya along with the above-mentioned applications. Visitors will get hands-on experience with the tools using different models of tablet computers and e-readers provided by RTI, as well as view photos and video clips of the tools in use in countries spanning the globe from Haiti, to Liberia to Sri Lanka to the Philippines.

Gallery 7: Foundation for Social Change

- The Foundation for Social Change is a non-profit organization that facilitates collaboration between the private sector, public sector and civil society to make a "businesscase" for supporting social issues that transform our world. Our main focus is empowering women and girls in disadvantaged locations around the world. We equip women and girls with life skills and business skills for self-empowerment, self-reliance and economic sustainability. The *eLife: Economic Empowerment and Leadership for Women and Girls* curriculum is available either as an after-school program, or as an eLife Tablet for Teachers. Currently we have projects in Colombia, Ecuador, Peru, Kashmir, Pakistan, Indonesia and Nigeria.
- The presentation will detail the challenges and results of from a program called "eLife Tablet for Teachers" which was launched in three (3) public schools in Colombia supported by Fundacion Pies Descalzos, the NGO founded by the singer, Shakira. The challenge: how to scale an after-school program called eLife - Teaching Life and Business Skills for girls ages 11-16 into one that could be taught by all teachers in their regular day classes and to all students (boys and girls) – without incurring additional costs or approval from the school system. The solution: we created a mobile application, which allows teachers to access the lesson plans using an Android tablet. We trained the teachers on how to "infuse" the lesson plans into their day classes. The result was training 40 teachers; who will then train 114 additional teachers, so that 4,000 students may receive the eLife life and business skills lessons. This was accomplished with same amount of funding.

Gallery 8: MobilTrain Knowledge Services

- MobilTrain Knowledge Services Pvt. Ltd. http://www.youtube.com/watch?v=N1NExZ87nks is in the business of transformative teacher- education via the mobile network with a focus on tier 2 teaching/learning environments in India. MobilTrain's teacher education content is available on Nokia Life Tools' in regional languages. The company is incubated by Rural Technology and Business Incubators, (RTB() Indian Institute of Technology, (IIT) Chennai India. The team is led by teacher educators and technology developers. Currently MobilTrain's programmes are live in 30 schools across the districts of Tamil Nadu India impacting around 1500 teachers.
- Presentation : MobilTrain's impactful « QUICKLEARN ^{TM} » tool delivers training curriculum via SMS to teachers in tier 2 schools. The content focuses on what participating teachers perceive as their primary need - the «how» of teaching. SMS QUICKLEARNS^{TM} foster continuous learning, enquiry and motivation. As the delivery mechanism is SMS, the programme is affordable and available to rural participants and schools.   Modules cover the pillars of teaching : planning and programming, differentiated learning and continuous assessment. MobilTrain's research has shown that when learning is delivered to adult learners such as teachers in a rural setting ; in small impactful parcels ; at a pace they can
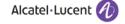
modify and adjust ; they are motivated to use the learning in classroom practice.Further, in partnership with the Indian Institute of Technology, Chennai, MobilTrain is developing an SMS-based *transactional* tool for rural teachers to aid networking and sharing best practices. Both tools will be presented at MLW 2013.

Gallery 9: Orange

- France Telecom-Orange is one of the world's leading telecommunications operators with sales of 45.3 billion euros for 2011 and has 170,000 employees worldwide at 30 September 2012, including 105,000 employees in France. Present in 33 countries, the Group has a total customer base of 227 million customers at 30 September 2012, including 169 million mobile customers and 15 million broadband internet (ADSL, fibre) customers worldwide. Orange is one of the main European operators for mobile and broadband internet services and, under the brand Orange Business Services, is one of the world leaders in providing telecommunication services to multinational companies.
- A mobile service project which increases girls presence and success at primary school. The project with UNICEF aims to reduce absenteeism and the abandonment of school in Senegal. Indeed, Unicef has been aware of a successful trial leaded by Sonatel/Orange on birth déclaration mobile service and launch a joint project to fix these education issues. The training sessions will start in february 2013. A mobile learning solution aimed to help teachers in Madagascar in order to improve the quality of education in primary schools" A project called "tablets for education" launched in Niger. It is aimed to enrich cultural environment, to promote the use of tablets for teaching in secondary schools and more generally to boost the digital revolution.

Gallery 10: Smart4Kids

- Smart4Kids is a educational software development company specialized in digital applications for mobile phones, tablets and the web in the field of literacy.
Because we support language diversity and education for all, we create applications which can be customized for languages other than English at a low cost, to be affordable for developing nations. Our application is currently being adapted to Khmer in a collaborative project with World Education and the government of Cambodia via a USaid grant.
- Our application takes the child on a global adventure to learn how to read. It uses a 3 step pedagogy: Learn - Practice – Read.Our scientific, research-based reading materials and activities are based on phonemic awareness, systematic phonics, vocabulary, fluency, and comprehension. Children are challenged to learn sounds and recognize new words as they play interactive games. Our software can be localized for any language, because the reading curriculum and the activities can be customized to every linguistic specificities.

Gallery 11: Mobiles for Education Alliance

- The Mobiles for Education Alliance is committed to reducing barriers to low-cost mobile technologies to help improve learning outcomes in formal and non-formal education in low-resource and developing country contexts. The goals of this international consortium of donors, public and private sector organizations, project implementers and academics are to improve research and evaluation, share knowledge to catalyze support for promising initiatives, promote partnerships and coordination and reduce duplicative efforts.
- This walking gallery will provide a brief overview of the Mobiles for Education Alliance- its members, activities, goals and objectives and how participants can get involved. The presentation will provide information on the Alliance's main working groups and their respective activities including the Mobiles for Reading (mReading) Working Group and Mobiles for Youth Workforce Development (mYWD) Working Group. Participants will have
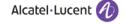
the chance to learn more about current activities including landscape reviews for both mReading and mWYD, and the opportunity to sign up for future mEducation events and learn how to become an active member of the community.

Gallery 12: SK Telecom

- SK Telecom, South Korea's largest mobile telecommunications company with over 26 million subscribers, aims to change the quality of education by promoting smart learning through ICT, with a special focus on mobile devices. To increase equal access to education and alleviate the economic burdens of education through affordable content, SK Telecom began its smart learning initiative with tablet devices and has expanded its efforts to beam projection and robotics. SK Telecom is committed to developing the education landscape through partnerships with governments and education content providers around the world.

- SK Telecom will present three education delivery platforms; T Smart Learning Platform, Smart Beam, and Smart Robot. T Smart Learning is an LMS (Learning Management System) platform for tablet PCs, enabling students to comprehensively manage their studies anytime, anywhere. Smart Beam is a super mini projector that connects to smartphones and enables users to share content with a larger audience in spite of spacial constraints and without a reliance upon fixed electricity supply. Leveraging the fact that most countries around the world have greater access to mobile phones than fixed line, SK Telecom has enabled smartphone users to better access formal, non-formal, and informal education content in real time. Smart Robot will also show how robotics can be utilized for education purposes, focused initially on pre-K students and those with physical and/or learning disabilities. Both T Smart Learning and Smart Beam initiatives will be showcased in partnership with global education leader and content provider, Houghton Mifflin Harcourt.

Gallery 13: Institute of Art, Design & Technology, Dún Laoghaire, Ireland (IADT)

- IADT is a Higher Education Institute (akin to a university) established under the Institutes of Technology Acts 1992-2006. The Institute has approximately 2,500 students and 400 staff (approx. 200 full-time equivalents). We specialize in teaching, research & innovation at the convergence of the arts, technology & enterprise. Our Schools, Departments and courses reflect this focus: Faculty School of Film, Art & Creative Technologies, Department of Technology & Psychology (e.g. Audio-Visual Media Technology, Multimedia Programming, Web Engineering, Mobile Software Development, Psychology Applied to IT); Department of Design & Visual Arts (e.g. Visual Communication Design, Visual Arts Practice, Model Making, Design & Digital Effects, Design for Stage & Screen); Department of Film & Media (e.g. Animation, Photography, Film & Television Production). Faculty of Enterprise & Humanities focus : Department of Humanities & Arts Management (e.g. English, Media & Cultural Studies; Business Studies & Arts Management); Department of Entrepreneurship (e.g. Entrepreneurship, Management) Relevant research interests within IADT include: E-Learning, M-Learning, User Interface & User Experience Design, Visualisation, Assistive Technology, Human Technology Interaction, Cyberpsychology & Cybercrime

- School in a Box Presentation: This presentation involves a practical demonstration of the hardware solution with commentary surrounding the pedagogic and mobile aspects of School in a Box. Questions are invited at any time during demonstrations. Visitors will see how the solar panel connects to and charges a lithium battery which in turn powers the connected system, the iPad (at the heart of SIAB with pre-installed educational Apps) connected to a digital projector and speaker system projecting content onto a white (bed) sheet. We will also demonstrate how existing local paper based teaching and learning

content can be digitised. Local specific content creation is also covered and how to archive material building repositories of information for reuse via native iPad Apps such as iBooks.

Gallery 14: Oxfam Great Britain

- Oxfam is an international confederation of 17 organisations networked together in 94 countries, as part of a global movement for change. We envision a world in which people can influence decisions which affect their lives, enjoy their rights, and assume their responsibilities as full citizens of a world in which all human rights are being valued and treated equally. The purpose of Oxfam is to help create lasting solutions to the injustice of poverty. We are part of a global movement for change, one that empowers people to create a future that is secure, just and free from poverty. Oxfam is an international confederation of 17 organisations networked together in 94 countries, as part of a global movement for change. We envision a world in which people can influence decisions which affect their lives, enjoy their rights, and assume their responsibilities as full citizens of a world in which all human rights are being valued and treated equally. The purpose of Oxfam is to help create lasting solutions to the injustice of poverty. We are part of a global movement for change, one that empowers people to create a future that is secure, just and free from poverty.
- We have become experts at delivering simple, smart solutions that help poor communities transform their own futures. That's why we have embraced the amazing potential of digital technology in extending our work. Digital technology enables us to engage directly with people living in poverty as never before. And together we can make change happen. We have a 'Digital Vision' that technology will enable us to work more effectively with everyone who has a stake in what we do. It has already helped us pioneer tailored digital solutions to a range of problems faced by poor communities the world over – from health promotion and cash transfers in East Africa, to weather warnings and market updates for farmers in Eastern Europe and beyond. We – and our digital partners – invite you to see how technology can help beat poverty for good.

Gallery 15: HP

Gallery 16 : Thailand Education Council

- The Office of the Education Council of Thailand is a core organization under the Ministry of Education, responsible for setting the directions and policies on Education of the country, including ICT in education and mobile learning, in collaboration with UNESCO, as well as coordinating with relevant agencies for implementation of government policy.
- Thailand is presenting the mobile learning of the country starting with the One Tablet Computer per Child Policy, School Free WIFI project, its logistics and infrastructure preparation, the education broadcasting system, the teacher training and manuals, the digital contents, the current programmes of mobile learning and training, the partnerships between public and private sectors in learning by mobile devices, the effectiveness and sustainability of utilizing ICT in education and learning by mobile equipment. School tablet computers, mobile learning solutions in cooperation with private partners will also be displayed.

Gallery 17: Intergalactic Mobile Learning Center (iMLC) at the University of Michigan

- The vision guiding iMLC's efforts is this : Mobile technologies can help all teachers successfully sustain a learn-by-doing pedagogy. How? When each student in a class has his or her own mobile, Internet-connected computer in his or her hand, 24/7, then each child becomes independent and can pursue their own inquiry – both individually and collaboratively – which in turn enables a child to take ownership for and responsibility in his

or her learning. The iMLC is a non-profit hosted at the University of Michigan, and co-directed by Cathie Norris (University of North Texas) and Elliot Soloway (University of Michigan).

- Towards realizing its vision, the iMLC is providing, free to educators and educational organizations, the WeLearn Mobile Platform, the first and only truly cross-platform (iOS, Android, Windows), end-to-end (client-based, native apps plus cloud-based learning management system (LMS)) mobile learning environment. Uniquely, the WeLearn apps support synchronous collaboration – while face to face and at a distance, too. Curriculum publishers can license WeLearn in order to have a platform for mobilizing their paper-and-pencil based curriculum. We will present examples of WeLearn use by teachers and students in Singapore and the U.S.

Gallery 18: DynEd International
- For almost 30 years DynEd has been developing English listening and speaking fluency in a blended learning model using state-of-the-art technology and modified classroom activities. DynEd upgrades teacher skills helping them teach English using technology to raise the level of English spoken fluency for students of all ages and all levels. DynEd is a GSMA Associate member and highly awarded developer of multiple-media English programs for schools and national-scale projects.
- DynEd will review its Turkish Ministry of National Education (MONE) project wherein eight million students in grades 4-8 have studied English annually through a corporate donation for the past six years. A new donation to MONE was announced in January 2013 to provide free English learning to six million students in grades 9-12 annually. DynEd will also present its more recent English Language Learning (ELL) programs for ubiquitous entry-level mobile devices. DynEd is making this important mobile content available to emerging nations through strategic public/private partnerships to democratize ELL, beginning 2013.

Disclaimer
- The ideas and opinions expressed in this walking gallery are those of the participating organizations and are not necessarily those of UNESCO and do not commit the organization.
- The presentation of material throughout this event do not imply the expression of any opinion whatsoever on the part of UNESCO concerning the legal status of any country, territory, city or area or of its authorities or concerning the delimitation of its frontiers or boundaries.
- Participating organizations are responsible for hardware, software, and related contents during the exhibition period of the UNESCO Mobile Learning Week. UNESCO will not be responsible for any damages or losses occurred during the UNESCO Mobile Learning Week.
- Participating organizations are responsible for any damages or losses occurred during the walking gallery.
- UNESCO reserves the right to refuse any hardware, software, and contents which are not appropriate.

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