



Mobile eHealth for the VINdication of Global LIFEstyle change
and disease management solutions

Vision Scenario Workshop

*Friday 27 January 2012 from 9:00-17:00
Meeting Room 0/S 5, Building BU-25,
Avenue de Beaulieu, Brussels.*

Background Information

Mobile Healthcare (or mHealth) is a term that refers to the provision of medical services through the use of portable devices with the capability to create, store, retrieve, and transmit data via mobile communications. In technical terms, small devices are used to monitor patient-related data and actively communicate with a central information system; in buildings, communication takes place either over a mobile telephony or fixed line network coupled with WiFi. In open spaces, communication takes place via terrestrial (GSM, GPRS, 3G, 4G, WiMax) communication networks or low-orbit satellite communication.

In recent years, mHealth has emerged as an important sub-segment of the field of electronic health (eHealth). While there is no widely agreed-to definition for these fields, the public health community has coalesced around these working definitions (UNF2009):

- eHealth: Using information and communication technology (ICT) – such as computers, mobile phones, and satellite communications—for health services and information.
- mHealth: Using mobile communications – such as smart phones, mobile phones or PDA—for health services and information.

Mobile eHealth for the Vindication of Global Lifestyle change and disease management solutions - MovingLife

The MovingLife project is a Coordination and Support Action that will deliver roadmaps for technological research, implementation practice and policy support with the aim of accelerating the establishment, acceptance and wide use of mobile eHealth solutions.

The roadmaps will address a broad group of fundamental issues such as: technology options for applications and services; options for new and improved medical guidelines; user empowerment, acceptance, ethics and privacy; socio-economic environments and policy and regulatory frameworks. The combined roadmaps will address a range of fundamental issues that are related to the vision of massive deployment and use of mHealth solutions to support lifestyle changes among citizens and improve disease management.

The project will thus provide better understanding of the technology options for defining research policies and of the business and regulatory aspects for both private sector-driven and publicly-funded mHealth services through the thematic roadmaps in socio-economic developments and policy frameworks.

Technology roadmapping

Technology roadmapping is a needs-driven technology planning process to help identify, select, and develop technology alternatives to satisfy a set of product needs. It is a plan that applies to a new product or process, or to an emerging technology. Developing a roadmap has three major uses. It helps reach a consensus about a set of needs and the technologies required to satisfy those needs; it provides a

Mechanism to help forecast technology developments and it provides a framework to help plan and coordinate technology developments.¹

The two key products in technology roadmapping are Scenarios (our vision of what may happen) and the Roadmap itself (what needs to be researched/put in place to realise the vision).

Vision Scenario Workshop: Objectives and Methodology

Scenarios are snapshots of possible/alternative futures that help us plumb the uncertainty about the future. Scenarios provide coherent, comprehensive, internally consistent descriptions of plausible futures built on the imagined interaction of key trends.

The workshop constitutes the first step in creating vision scenarios for the MovingLife project.

The overall objectives of this workshop are to:

- identify future ICT systemic applications for mHealth (e.g., home/work platforms, mobile communications for nomadic citizens, context/location aware sensors, sensor networks, sensor data collection and fusion, semantic interoperability, micro and embedded systems, advanced robotic systems, etc.);
- discuss different vision scenarios and strategies for incorporating mHealth into disease management and medical and clinical guidelines with experts;
- weight the trade-offs between socio-economic needs, clinical progress and technological innovation.

The first part of the workshop will be divided into three panel sessions. Each panel will have two expert presenters who will present their visions for the future of mHealth based on the perspective from their specific area of expertise. The panel topics and presenters have been designed to get as wide a perspective as possible thus reflecting the multiple environmental factors we ought to consider when imagining the future scenario for mHealth applications, technologies and services.

The areas of interest which the three panels will explore are:

- **Panel I:** mHealth in the future medical and clinical context: Visions and strategies for incorporating mHealth into disease management
- **Panel II:** Future ICT systemic applications for mHealth: From technological innovations to deployment and user acceptance
- **Panel III:** The mHealth care model: Optimising clinical guidelines using mHealth applications: Seamless and continuous health care and integrated care pathways

Each panel presentation will be followed by a brief group discussion and participants will also have to opportunity to raise questions to the presenters.

The final afternoon session will elaborate on the panel discussions and invites all participants to voice their views and visions for the future of mHealth, thus exchanging ideas for plausible future mHealth scenarios.

The results from the workshop will be used to write 2-4 different, but equally plausible, future scenarios for mHealth taking into consideration the various environmental factors that may affect the future scenarios. While the finished scenarios will be made publicly available, the discussions of the workshop will be treated as confidential.

¹ Garcia, M.L. and Bray, O.H. (1999). "Fundamentals of Technology Roadmapping". Strategic Business Development Department, Sandia National Laboratories.

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The workshop will involve a maximum of 20 participants consisting of regulatory and policy experts, medical and clinical experts, technology and application experts, healthcare provision experts, market and implementation experts and patient organisations.

Time	Agenda	
09:00	Registration	
09:30	Welcome remarks Introductions Brief introduction to MovingLife Aims and Objectives of the day	Chair: Trine F. Sørensen, In-JeT Moderator: Jesper Thestrup, In-JeT
09:45	Opening Key note: Meeting the needs of patients and healthcare professionals: A future for mHealth applications and services	Ms Petra Wilson , Continua Health Alliance
10:15	Panel I: mHealth in the future medical and clinical context <i>Visions and strategies for incorporating mHealth into disease management</i> <ul style="list-style-type: none"> • Dr. Mark Coeckelbergh, Assistant Professor of Philosophy, University of Twente • Jesper Thestrup, Managing Director, In-JeT 	
11:15	Questions and Discussion	
11:35	Panel II: Future ICT systemic applications for mHealth <i>From technological innovations to deployment and user acceptance</i> <ul style="list-style-type: none"> • Lea Coulet, Healthcare IT Manager, COCIR • Susanne Palkonen, Executive Officer, European Federation of Allergy and Airways Diseases Patients Associations, and Vice President, The European Patients Forum 	
12:35	Questions and Discussion	
12:55	Lunch	
14:00	Panel III: The mHealth care model <i>Optimising clinical guidelines using mHealth applications: Seamless and continuous health care and integrated care pathways</i> <ul style="list-style-type: none"> • Sarah Sanders, Head of Marketing & Commercial, Vodafone mHealth Solutions, Vodafone • Håkan Nordgren, Chief Medical Officer, Centre of eHealth Sweden 	
15:00	Questions and Discussion	
15:30	Coffee Break	
15:45	Discussion: Future Visions for mHealth <i>Various environmental factors will interact to shape the future of mHealth applications and services, e.g. regulatory and policy requirements, clinical and medical guidelines, user acceptance etc. This session will discuss these different factors, including their degree of certainty/uncertainty as impacting the future of mHealth.</i>	
16:45	Final remarks	
17:00	Adjourn	

Participants:

Last name	First name	Organisation
Aarnio	Jaakko	DG INFSO
Arnold	Virginia Clare	WHO
Birk Riley	Louise	In-JeT
Coeckelberg	Marc	University of Twente
Coulet	Léa	COCIR
Denjoy	Nicole	COCIR
Fuglkjær Sørensen	Trine	In-JeT
Habbig	Ann-Katrin	Vrije Universiteit Brussel
Lean Villeda	Enrique	Technalia Research
Mac Ginnis	George	PA Consulting
McCarthy	Paul	Global Security Intelligence
Nordgreen	Håkan	Centre for eHealth in Sweden
Palkonen	Susanna	The European Patients Forum
Peresson	Sophie	International Diabetes Federation Europe
Perez Perez	Manuel Marcelino	ATOS
Prasad	Vinayak	WHO
Quinn	Paul	Vrije Universiteit Brussel
Sanders	Sarah	Vodafone mHealth Solutions
Thestrup	Jesper	In-JeT
Thonnet	Michele	Ministry of Health, France
Wilson	Petra	CISCO, Continua Health Alliance

Route description



Public transport

From central station:

Metro: line 5 (direction Hermann-Debroux), get off at stop Beaulieu

From Gare du Midi:

Metro: line 2 or 6 (direction Simonis/Elisabeth), change at Arts-Loi and take line 5 (direction Hermann-Debroux), get off at stop Beaulieu

From Gare du Nord:

Metro: line 2 or 6 (direction Simonis/LeopoldII & Roi Baudouin), change at Arts-Loi and take line 5 (direction Hermann-Debroux), get off at stop Beaulieu

From Brussels Airport:

Bus 12 (direction Brussels City/Luxembourg), get off at Schuhman and take Metro line 5 (direction Hermann-Debroux), get off at stop Beaulieu

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From Charleroi Airport:

Take the airport bus to station Charleroi Sud, take a train to Brussels Central, take metro line 5 (direction Hermann-Debroux), get off at stop Beaulieu

Further information about public transport can be found here <http://www.stib.be/index.htm?l=en>

In case of problems please call Jesper Thestrup: +45 2140 0983