Community-based ICT for Maternal Healthcare in Africa

Fact Sheet

Project Information

mHealth4Afrika
Grant agreement ID: 688015
Project website

Funded under
H2020-EU.2.1.1.

Overall budget
€ 1 999 995

EU contribution
€ 1 999 995

Coordinated by
IIMC INTERNATIONAL INFORMATION MANAGEMENT CORPORATION LTD
Ireland

Start date
1 November 2015
End date
30 April 2019

Objective

mHealth4Afrika is a collaborative research project that addresses maternal and newborn healthcare delivery, a key requirement of end-user communities in developing countries, and priority area in both the 2015 Millennium Development Goals and Post-2015 Sustainable Development Goals.

Aligned with Horizon 2020 Societal Challenges, mHealth4Afrika will research and evaluate the potential impact of co-designing an open source, multilingual mHealth platform on the quality of community based maternal and newborn healthcare delivery in Southern Africa (Malawi, South Africa), East Africa (Kenya) and Horn of Africa (Ethiopia).
Research and innovation actors from three European and four African countries will engage with local end-user communities (i.e. representatives of parents and local community leaders, Ministry of Health, healthcare professionals and volunteers, health oriented NGOs). Based on this User-centred Design, Living Labs, Collaborative Open Innovation based approach, the consortium will integrate and adapt

- Multilingual electronic health records to store patient history, associated tests and test results;
- Sensors to capture the results of a range of standardised tests for expectant and lactating mothers, unborn babies and infants;
- Analytical and visualisation tools to facilitate the interpretation and monitoring of the patient results; and
- Multi-lingual and multimodal mobile interfaces leveraging visualisation and speech synthesis to address literacy deficits and digitise data gathering through electronic forms.

By focusing on accessibility, usability and integrated training, this will facilitate urban, rural and deep rural healthcare workers to adopt and use a comprehensive system that integrates quality community based healthcare delivery with telemedicine. The expected outcome is a multi-region proof of concept that can make a significant contribution in accelerating exploitation of mHealth across Africa.

Field of science
/social sciences/other social sciences/social sciences interdisciplinary/sustainable development

Programme(s)

Topic(s)

Call for proposal
H2020-ICT-2015

Funding Scheme

RIA - Research and Innovation action

Coordinator
IIMC INTERNATIONAL INFORMATION MANAGEMENT CORPORATION LTD

Address
East Wall Road 128 Docklands
Innovation Park 13
3 Dublin
Ireland

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU contribution
€ 890 461,25

Contact the organisation

Participants (8)

NELSON MANDELA UNIVERSITY

South Africa

EU contribution
€ 287 645,41

Address
University Way
Summerstrand
6001 Port Elizabeth

Activity type
Higher or Secondary Education Establishments

Contact the organisation

STRATHMORE UNIVERSITY

Kenya

EU contribution
€ 175 456,25

Address
Ole Sangale Road Madaraka Estate
00200 Nairobi

Activity type
Higher or Secondary Education Establishments

Contact the organisation

UNIVERSITY OF GONDAR

Ethiopia

EU contribution
€ 106 002,50

Address
Kebele 16
Gondar

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation
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<th>Country</th>
<th>EU contribution</th>
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<td>UNIVERSITY OF ULSTER</td>
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<td>UNIVERSITETET I OSLO</td>
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<td>Problemveien 5-7 0313 Oslo</td>
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ANONIM SIRKETI

Turkey
EU contribution
€ 189 103,75

Address
Silikon Bina 1 Kat No 14 Odtu Teknokent Cankaya 06800 Ankara

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Website

Contact the organisation

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