



Women and eHealth Study 2010 - 2012 Innovative Networks and Technologies

Dr. Véronique Inès Thouvenot

**2nd Annual Symposium - ITMO Public Health
Personalized Medicine and Biomedical Innovations: Public
Health, Economic, Ethical and Social Challenges**

Paris, 5 December 2013



Millennia2015 is organized by The Destree Institute under the high patronage of the UNESCO
with the support of the International Organization of La Francophonie

Millennia2025 within the Millennium Development Goals



Millennium Development Goals

Reaching the Millennium Development Goals

At the Millennium Summit in September 2000 the largest gathering of world leaders in history adopted the UN Millennium Declaration, committing their nations to a new global partnership to reduce extreme poverty and setting out a series of time-bound targets, with a deadline of 2015, that have become known as the Millennium Development Goals (MDGs).

[Read more](#)

- GOAL 1 >
- GOAL 2 >
- GOAL 3 >
- GOAL 4 >
- GOAL 5 >
- GOAL 6 >
- GOAL 7 >
- GOAL 8 >

Goal 1: Eradicate Extreme Hunger and Poverty

Goal 2: Achieve Universal Primary Education

Goal 3: Promote Gender Equality and Empower Women

Goal 4: Reduce Child Mortality

Goal 5: Improve Maternal Health

Goal 6: Combat HIV/AIDS, Malaria and other diseases

Goal 7: Ensure Environmental Sustainability

Goal 8: Develop a Global Partnership for Development

Personalized Medicine and Biomedical Innovations: Public Health, Economic, Ethical and Social Challenges

North-Souths exchanges

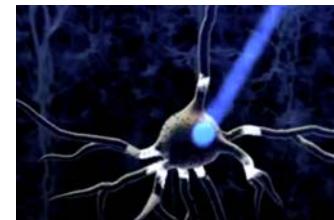
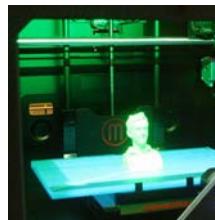
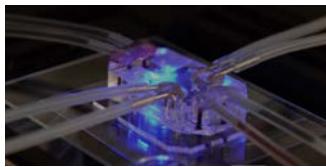
What does this mean when....



Disposable Medical Devices Sensors Market Poised \$6,212.7 Million by 2018*...

The 6 Biggest Innovations in Health Care Technology in 2013*

Microchips Modeling Clinical Trials, Wearable Technology like Google Glass, 3D Printed Biological Materials, Optogenetics, Hybrid Operating Rooms, Digestible Sensors

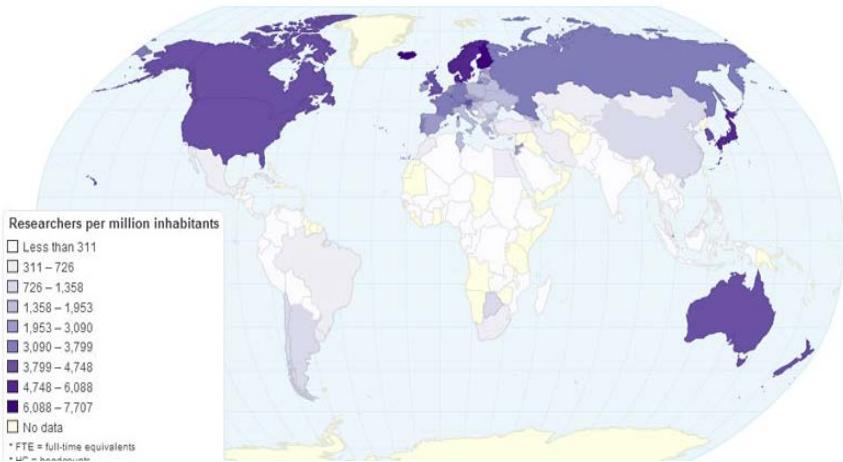


What does this mean when....

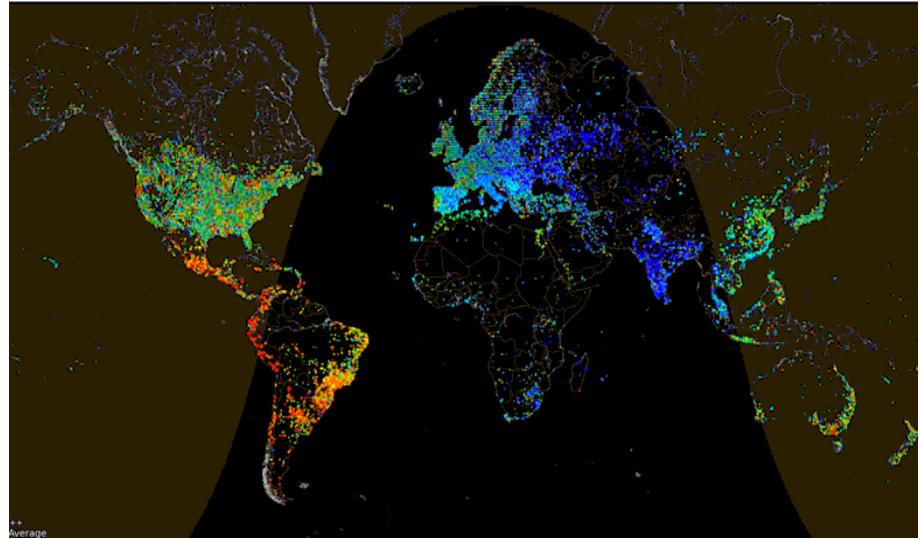
- <http://healthtechevent.com>, Eindhoven, 28 january 2014.

North – South*?

24. The Number of Researchers per Million Inhabitants Around the World



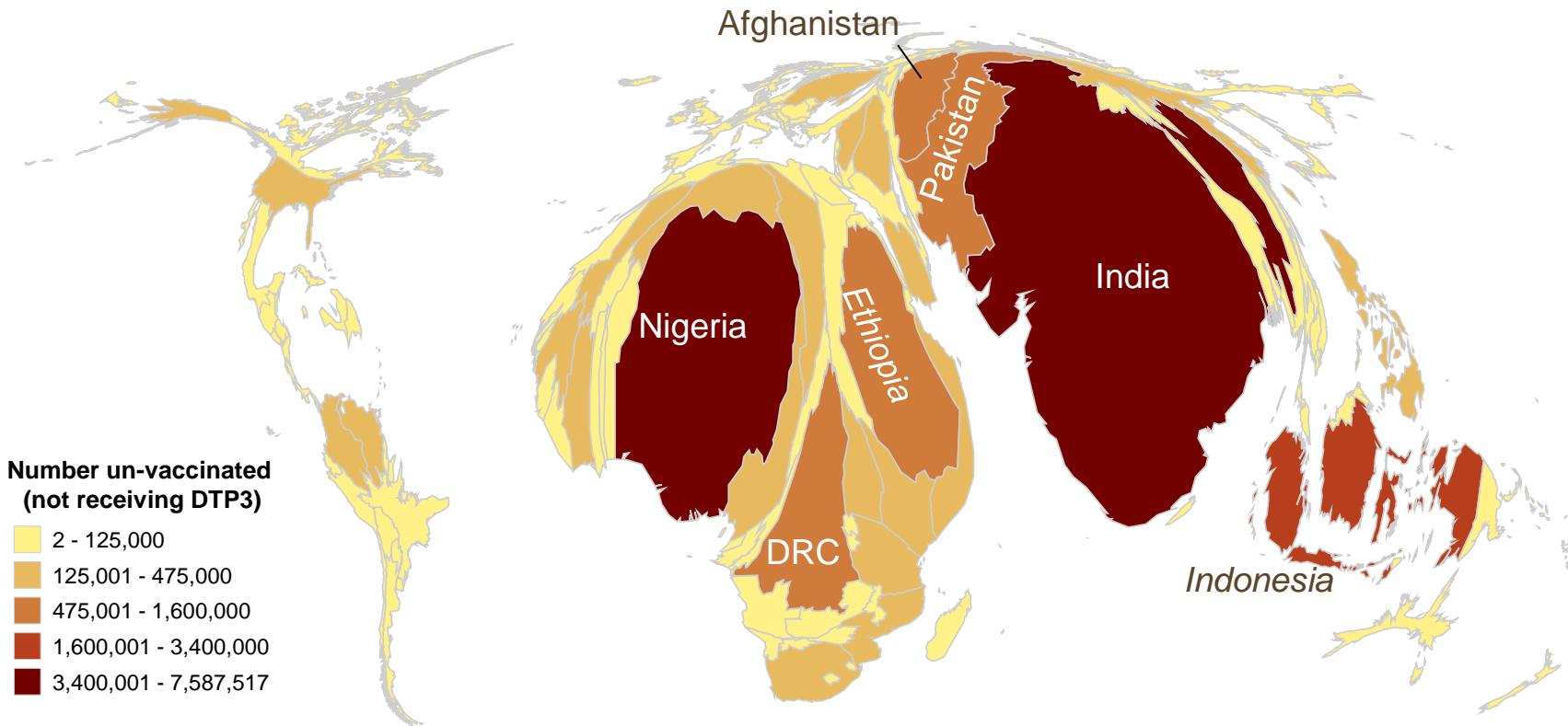
10. Global Internet Usage Based on Time of Day



*<http://twistedsifter.com/2013/08/maps-that-will-help-you-make-sense-of-the-world/>

North – South?

*Cartogram of the world: countries re-sized to represent population of infants missing DTP3
(# of live births in 2011 x % DTP3 non-coverage in 2011)*



A sense of URGENCY!

- **75% of women live in rural areas***
- **60 million girls are not accessing to primary schools***
- **2/3 of the 774 million illiterate adults are women***
- **There is one woman for every nine men in senior management positions****
- **As of June 2010, twenty-nine countries have reached or exceeded the 30 percent mark in women's representation in parliament****
- **1 to 5 women report sexual abuses before the age of 15*****
- **100 million girls will marry before 18 years old in the next 10 years*****
- **Of all adults living with HIV in SSA, 61% are women*****
- **14 million girls become mothers every year*****
- **300.000 women die from preventable causes of pregnancy and birth*****
- **300 million women do not access mobile telephony**
- **Closing this gender gap could unlock a \$13 billion market******

Sources: * WWSF - ** UN Women - *** WHO- ****Next billion news Dec 2013

Millennia2015 Women and eHealth

Millennia2025

Empowering Women through Digital Solidarity!

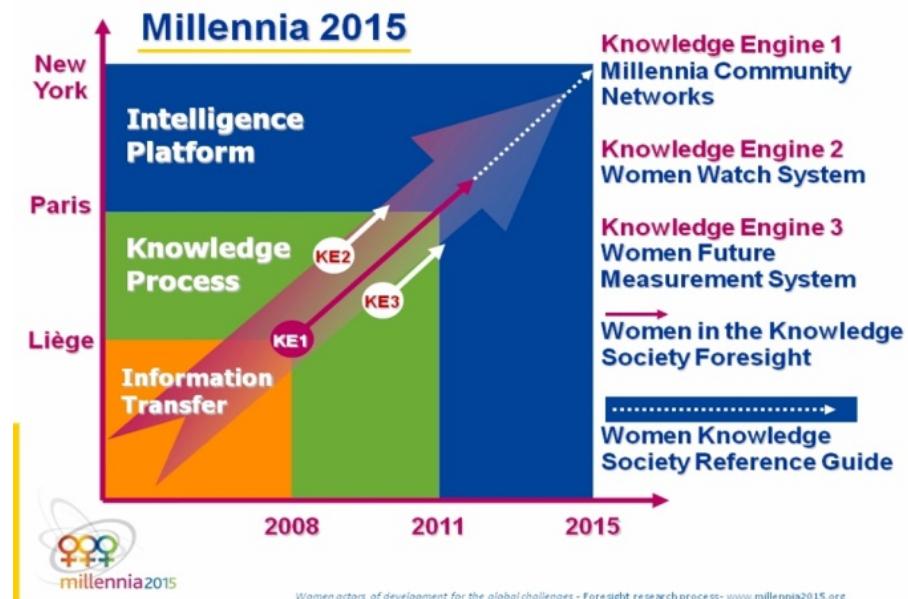
- European Research Destree Institute, Namur, Belgium
- Research : Millennia2015: a Participative and Collaborative research process structured through three international conferences: Liege in 2008, Paris, UNESCO, in 2012 and New York, United Nations, in 2015.
- Action Plans: The Foundation Millennia2025 Women and Innovation
 - Women shaping their Future by 2025



Millennia2015

Empowering Women through Digital Solidarity!

- Step 1 – Liege 2008 **Information Transfer**
- Step 2 - Paris 2012 **Knowledge Base and Action Plans for women empowerment**
- Step 3 – New York 2015 **Intelligence Platform – Global Women Index (GWI)**
- **Method** - Foresight Exercise as data collection and analysis tool of the **37 variables**



Millennia2015 International Conference

UNESCO – Paris, France

3 December 2012



Millennia2015 UNESCO, Paris, 03-06.12.2012 - www.millennia2015.org

Millennia2015 women and erhealth –

www.millennia2015.org

Millennia2015 variables

- V01 - Women
- V02 - Capacities
- V03 - Conflicts
- V04 - New skills
- V05 - Environment
- V06 - Parity
- V07 - Obscurantism
- V08 - eHealth
- V09 - Pro-activity
- V10 - Diversity
- V12 - Status
- V13 - Development
- V14 - Poverty
- V16 - Education
- V18 - Key positioning
- V19 - Human rights
- V20 - Democracy
- V21 - Research
- V23 - Equality
- V24 - Media
- V25 - Violence
- V26 - Economy
- V27 - Politics
- V30 - Creativity
- V31 - Discrimination
- V32 - Stereotypes
- V35 - Entrepreneurship
- V36 - Responsibility
- V37 - Innate strength
- V38 - Mediators
- V40 - Networks
- V41 - Governance
- V45 - Transmission

■ The 37 variables of Millennia2015

=> [List of the 37 variables of Millennia2015 \[pdf\]](#)

V01 - => Women, access to information and to knowledge
=> Questions V01

V02 - => Strengthening the capacities of women
=> Questions V02

V03 - => Women in situations of conflict and of war
=> Questions V03

V04 - => Women and new participative skills
=> Questions V04

V05 - => Climate, ecology and respect of the environment
=> Questions V05

V06 - => Change of attitudes towards women
=> Questions V06

V07 - => Women, religion and obscurantism
=> Questions V07

V08 - => Women and eHealth: connected medical knowledge benefiting all
=> Questions V08

V09 - => Women, lifelong well-being and pro-activity
=> Questions V09

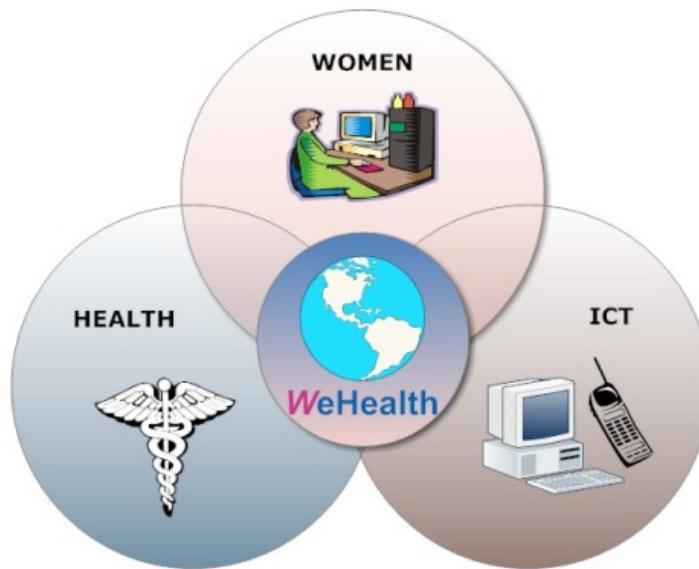
V10 - => Women, cultural and linguistic diversity
=> Questions V10



millennia2015
WeHealth

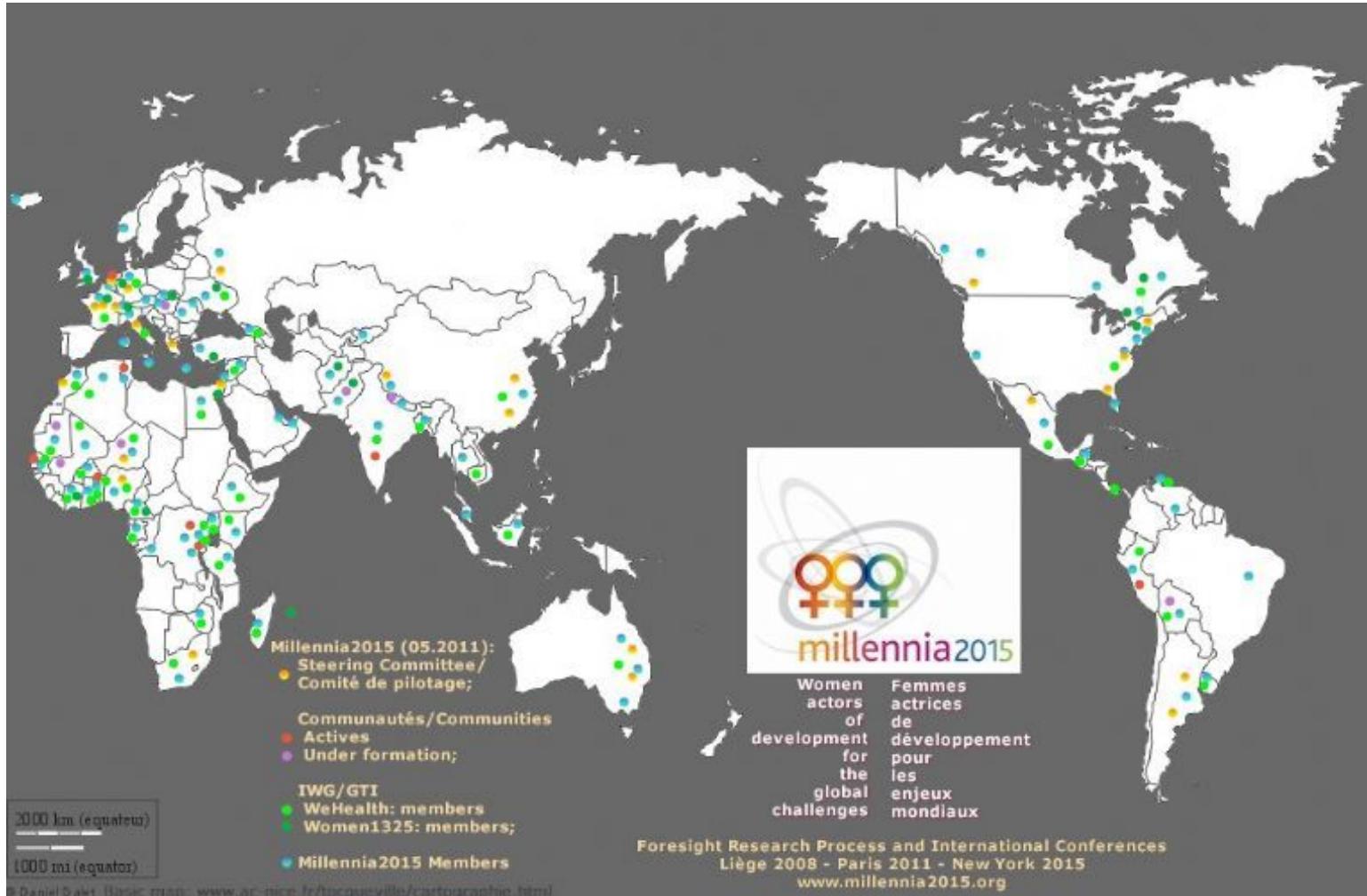
Innovative Study on Digital Solidarity

Women and eHealth



**A two-years Study at the convergence of
Women, Health and ICTs (2010 – 2012)**

Millennia2025, an innovative network in the world



WeHealth Governance

President: Marie-Anne Delahaut

- **Head and founder:** Veronique Thouvenot
- **Scientific committee:** Erna Surjadi and Cécile Méadel
- **Methodological committee:** Najet Tenoutit and Marie-Christine Desrues
- **Editorial committee:** Josephine Alumanah, Pietro Aparicio, Francisco Grajales, Anna Kotzeva, Lilia Perez and Shakeel Panchoo



Millennia 2015 – WeHealth – millennia2015.org



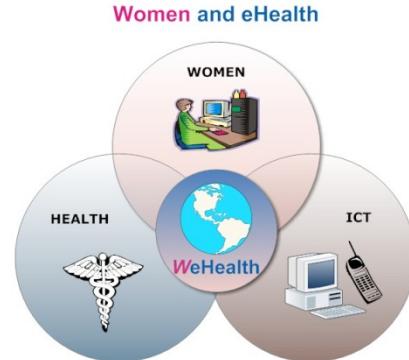


- **1. INFORMATION COLLECTION**

2010-2012

WeHealth

At the convergence of



Women

- at all ages, if possible in low income settings, urban slums, rural communities
- 4 categories; beneficiaries, health professionals, ICT professionals, influential women

Health

- at all levels, community, regional, national, international and related education, health promotion and prevention

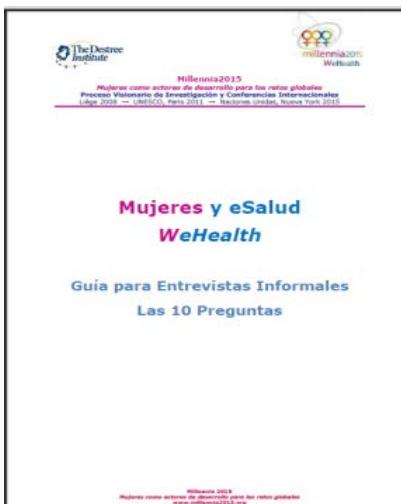
ICTs and Technologies

- from the simpler such as local radios, TV, mobile phones to the most sophisticated such as telemedicine, teleradiology, teleimaging...
- A particular attention is given to specific contexts:
- 1. Women living in refugee camps, conflicts and disasters
- 2. Girls access to education in ICTs

WeHealth Data collection

September 2010 – October 2012

- Local reports: information collection guide
 - Scientific, technical and ethical requirements
- Web research: list of key words
- 10 Questions interviews
- Photos, videos, conferences





"Las Mujeres en la eSalud"
Ejercicio de colecta de informaciones 2011

El ejercicio para colectar información sobre las "Mujeres en la eSalud" constituye la primera etapa de trabajo para establecer la futura Base de Conocimientos de Millennia2015 que se desarrollará durante la conferencia internacional de París de la UNESCO en Diciembre 2011. Los informes se elaborarán en los países por los miembros del grupo de trabajo que tienen que contener los 3 elementos que constituyen la originalidad de la investigación "Mujeres en la eSalud":

- Capacitación de mujeres
- Mejoramiento de la salud
- Solidaridad digital

Dos documentos fueron elaborados para ayudar a los miembros del grupo de trabajo: Una lista de palabras clave y una tabla de colecta de informaciones.

| 1. Lista de palabras claves | | | |
|--|--|---|---|
| <p>Esta lista de palabras claves se puede utilizar para llevar investigaciones en sitios web, librerías electrónicas, blogs y publicaciones. Cada miembro puede añadir otros términos.</p> | | | |
| Topico/área | Mujeres | Salud | TIC/ Tecnologías |
| General | Género, femenino, datos por sexo | Cuidados, centro de salud, hospital, clínica, dispensario, ONG | Radio, Televisión, Internet, teléfono, móvil |
| Específico | nina, adolescente, adulta, da, bebe, familia, esposa, mujer, comunidad de mujeres, asociación de mujeres | Enfermedades, bienestar, calidad de vida, salud, prevención, nutrición, información, cuidados tradicionales | Altos, alto/bajo, velocidad, banda ancha, comunicación, satélite, Wi-Fi, Wi-Max, conectividad, satélite, fibra óptica, cable, conexiones, blogs, sitios web |
| Profesional | Enfermera, comadrona, doctora, cuidadora, auxiliante | Telemedicina, mSalud, eSalud, cyber-salud, Tele-radiología, Tele-cuidado, Tele-salud | Tecnología, ingeniería, informática, experta en telefonía, compañía telefónica, asociación telefónica |

Millennia 2015
Women actors of development for the global challenges
www.millennia2015.org

WeHealth Data Collection

- **2.500** emails
- **82** Skype conferences
- **175** publications
- **15** conferences
- **99** online interviews in 13 countries
- Collaborations with
 - **27** organizations
 - **7** partners
 - **6** Millennia2015 communities

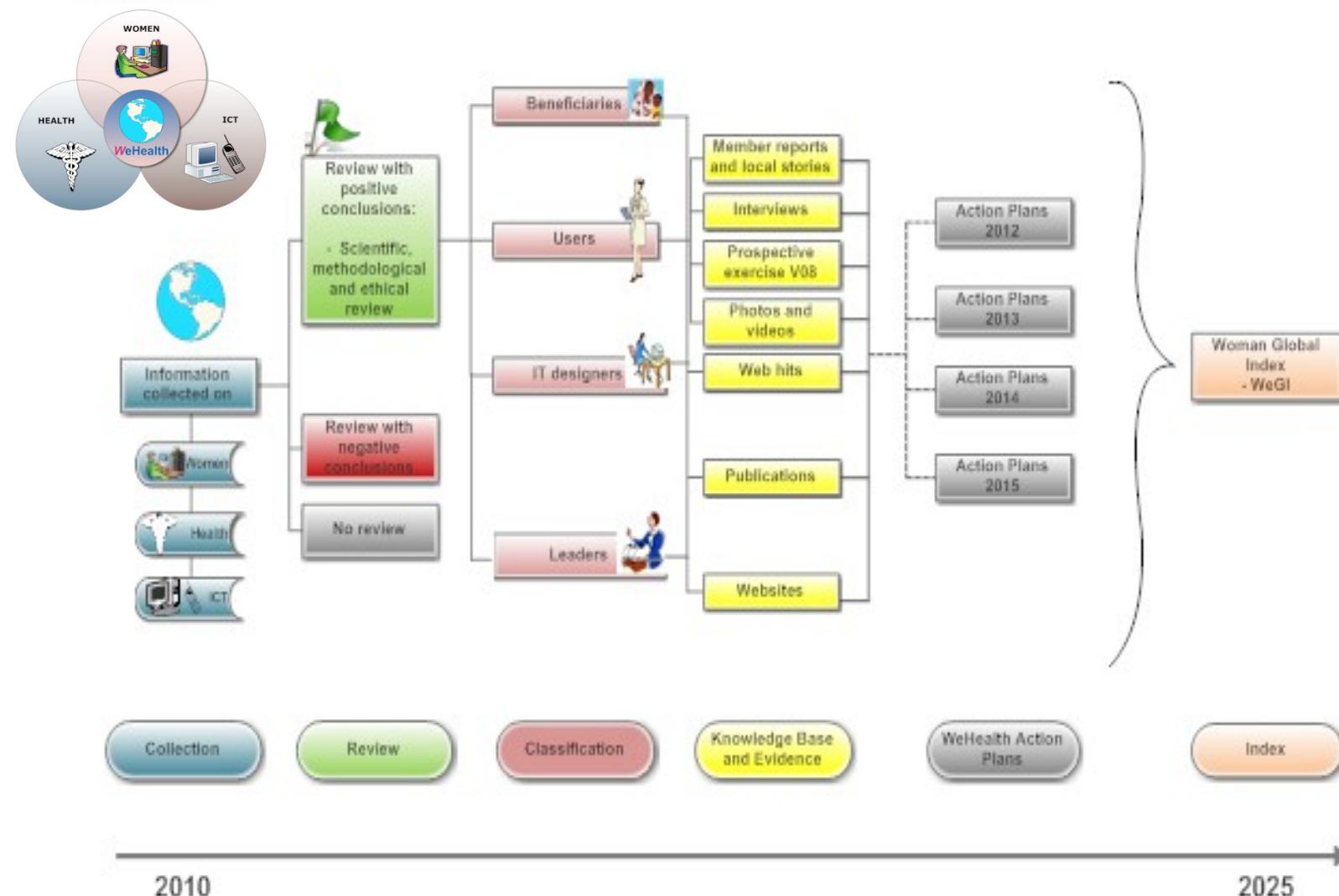


- **2. DATA ANALYSIS**

2011-2012

WeHealth 4-D Quality Analysis Model

Women and eHealth





- **3. Results**

2010-2012

Women and eHealth Special Session

10 April, 14:00 – 17:30

10-12 APRIL 2013



[Home](#) [News](#) [Schedule](#) [Contact](#)

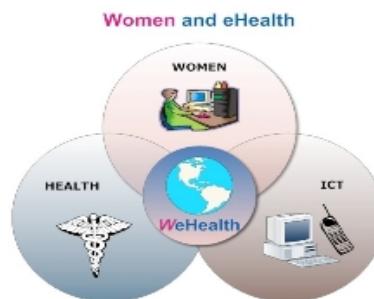
| Sponsor/Exhibitor | Visitor | Educational Program | Hotel Travel | Press Center | Partners | Proceedings | Knowledge Resources |
|-------------------|--------------------|---------------------|--------------|--------------|----------|-------------|---------------------|
| Info | Call for Abstracts | Program | | | | | |

Roles and Empowerment of Women in eHealth and Telemedicine

Special Women and eHealth (WeHealth) Session at Med-e-Tel 2013

Background

The participation of women in eHealth and Telemedicine is the focus of a study, since August 2010, undertaken by the **Millennia2015 Women and eHealth (WeHealth) International Working Group** chaired by Dr. Veronique Thouvenot. Its goal is to investigate how women get access to, and use, ICT for health. It aims to give a voice to local communities and silent populations living in difficult conditions. A network of 410 volunteers from 61 countries actively collects information, ideas, wishes, photos and videos illustrating the theme of women's access and use of ICT for health in their local communities. WeHealth covers three main areas: Women, Health and Technologies.



Organized by:



Supported by:





Millennia2015
Women actors of development for the global challenges
Foresight Research Process and International Conferences
Liège 2008 → UNESCO, Paris 2012 → United Nations, New York 2015

Closing the Gender and Digital Gaps to Improve Women's Health



Results of the Women and eHealth Study 2010 – 1012

14 Key Findings and 6 Action Plans

Dr. Véronique Inés Thouvenot - Dr. Kristie Holmes

http://www.millennia2015.org/files/files/WeHealth_Research/millennia2015_wehealth_key_findings_and_action_plans_2012.pdf

WeHealth 14 Key Findings

- **Addressing Barriers:** education, languages/dialects, cost/complexity, sustainability
- **Getting Solutions:** radios/TV, mobiles, telemedicine, free call lines, alternative energy solutions
- **Accessing eHealth:** pregnancy, family health, HIV, malaria, cancer, immunisation
- **Emerging Trends:** social media, broadband, cloud computing, girls, disabilities

WeHealth Results along the Four Dimensions

Beneficiaries



1. Reduce ICTs and connection COSTS
2. Accelerate Education
3. Address illiteracy, disabilities, local dialects, cultural factors

Users

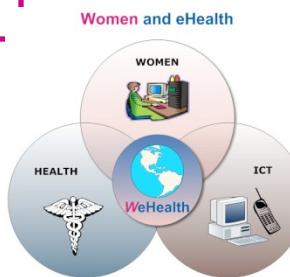


1. Equip, Train, Connect Health Professionals
2. Educate girls at 14 on emergency and first aid for pregnant women in local communities (CASA model)

IT designers



1. Boost ICT We-Innovation
2. ICTs reaching the Last Mile to save lives
3. Educate girls in ICTs



Leaders



1. Increase Women's Leadership along the four WeHealth dimensions
2. Foster Global initiatives (GLOW)
3. Scale up projects and initiatives from communities to regional and international levels !

Predictors of Telehealth Participation among Filipino Elderly from a Senior-Learning-Computer (SLC) Program in the Philippines*



RESEARCH FOCUS
To explore the prognosticators of behavioral intention to participate in TeleHealth as a tool to empower (improved functional independence and quality of life) the Filipino elderly



**IT IS POSSIBLE FOR OUR
ELDERLY TO BECOME EQUALLY
COMPETENT IN TECHNOLOGY**



mHealth, santé des femmes et VIH : Analyse sociotechnique des dispositifs de lutte contre le sida

- **Marine AL DAHDAH**, Doctorante à l'Université Paris Descartes - Axe Santé et Genre - [CEPED](#) (UMR 196 Université Paris Descartes-INED-IRD). Allocataire de recherche à l'[ANRS](#).



Millennia2025 Foundation

Action Plans 2013 – 2025

Addressing Women's health needs by 2025



UniversalDoctor

UniversalNurses

UniversalWomen

UniversalDoctor has been working to facilitate communication between health professionals and patients from different backgrounds. We employ multimedia technology to develop different applications with the goal of helping to improve multilingual communication and integration.



Multiple Implementations and New Applications with Millennia2025Foundation

UniversalDoctor's applications have been implemented in more than 50 hospitals around the world. Now UniversalDoctor and Millennia2025Foundation are working together to develop UniversalNurses and UniversalWomen.

WoW



Mujeres Globales

Iniciativa Sur-Sur de Inclusión Digital



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WeObservatory

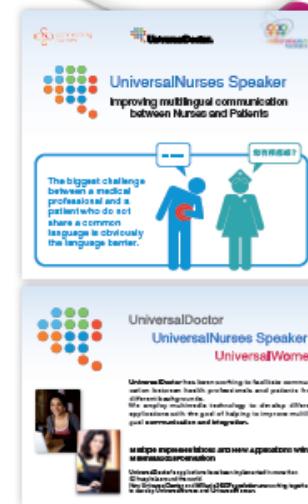
SUBMIT
YOUR PROJECT!
TO THE CARE
CHALLENGE
PLATFORM



AND TAKE A CHANCE
TO BE SELECTED AT THE

INNOVATE
AND CARE!

ACCESS TO
DIGITAL TOOLS
AND APPLICATIONS



AND USE THEM
FOR FREE!

WeObservatory

SHARE
AND LEARN!
INCREASE YOUR
VISIBILITY AND
NETWORKS

The
WeObservatory
supports your participation
to international events,
online courses and trainings,
telemedicine consultations and
scientific publications

CONNECT TO THE
MILLENNIA2015
WeTelemed GLOBAL
NETWORK



Millennia2015 WeTelemed

If your project is innovative,
unique, low cost and re-usable
in other communities

CONTACT:
WeObservatory@millennia2015.org
www.millennia2015.org/WeObservatory

www.millennia2015.org/WeTelemed

4.

Personalized Medicine and Biomedical Innovations: Public Health, Economic, Ethical and Social Challenges

Addressing Women's health needs by 2025

North – South innovative solutions

Global Network of Women in Telemedicine

LAUNCH of WeTelemed - 19 April 2012

Panama – Lagos - Namur

Conferencia Internacional

Mujeres y TICs :

Inclusión Digital para la Salud y el Desarrollo Sostenible



Panamá, 18 a 19 de abril de 2012 - Teatro Auditorio de la Universidad Tecnológica de Panamá



Global Network of Women in Telemedicine

LAUNCH of First Virtual Telemedicine course

Panama- LAC



**Curso Introducción a la Informática en Salud y
Telemedicina (40 horas virtuales)**
18 de noviembre al 20 de diciembre de 2013
Panamá, Panamá

UniversalWomen Speaker

<http://www.youtube.com/watch?v=Tm4vb7CwKmU&feature=youtu.be>

<http://www.u-women.com/>





- * pod.RN Nurses' Podcast aims to deliver interactive online shows educating essential health concerns.



August 19, 2011 Podcast
"Pilot Airing of Nars at Bavan"
Sapagkat ang Usaping Kalusugan ay Usapan ng Bayan



October 28, 2011 Podcast
'May oportunidad pa ba ang mga Nars sa ibang bansa?
at kumusta na kaya ang kalagayan ng Pinoy Nurse sa ibang bansa?
(PART 2)



October 14, 2011 Podcast
"Venturing of Nurses into Special Practice"



October 21, 2011 Podcast
'May oportunidad pa ba ang mga Nars sa
ta na kaya ang kalagayan ng Pinoy Nurse sa

WeObservatory



The screenshot shows the homepage of the WeObservatory website. At the top, there is a navigation bar with links: Accueil, Actualités, CPC 2014, Pansement, Formations, Dispositifs (which is highlighted in blue), Etudes Cliniques, Contact, and a search icon. Below the navigation bar, there is a banner featuring a hand holding a white cloth and the text "Tous les dispositifs", "Toutes les classes", and "Tous les stades". To the right of the banner is a blue icon of two crossed medical instruments. The main content area has a heading "RÉSULTAT DE RECHERCHE DE DISPOSITIFS" and three product cards: "SORBACT HYDROGEL" (showing a stack of green pads), "SORBACT ASSORBANT" (showing a stack of white pads), and "URGOCLEAN" (showing a box). To the right, there is a "Comparateur" section with a message "Aucun dispositif dans le comparateur" and a link "Ajouter un dispositif".

Zero Mothers Die

Project Components

Zero Mothers Die will comprise six components, employing a systematic use of ICTs to accelerate the achievement of MDG 5 to improve maternal health:

- 1 **MumHealth**, a mobile messaging service delivering health information to pregnant women and new mothers in local languages and dialects.
- 2 Systematic distribution of **100,000 mobile phones per year** to pregnant women.
- 3 Allocation of **36,000,000 minutes of free airtime per year** to pregnant women to enable their communication with local health workers and facilities.
- 4 Capacity-building of local health workers in rural communities using ICTs and localized content.
- 5 **Mobile money savings scheme** to help finance and increase access to skilled care during childbirth.
- 6 **Solar power business generation scheme** to bring financial empowerment to pregnant women and provide sustainable energy to support the charging of their mobile phones.

Zero Mothers Die Public-Private Partnership

About Us

Zero Mothers Die is led Advanced Development for Africa and the Millennia2025 Women and Innovation Foundation, in partnership with UNAIDS, and supported by three technical partners: UniversalDoctor Project, The People's Vision, and Airtel, which joins the partnership for the first implementation phase of Zero Mothers Die in Ghana.



Contact Us – Join Zero Mothers Die

Point person for Zero Mothers Die:

Jeannine Lemaire

Email: lemaire.jeannine@gmail.com

www.millennia2025.org/zero-mothers-die

www.adaorganization.org/index.php/project/s/zero-mothers-die



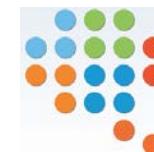
Zero Mothers Die

**Mobile Health
For Pregnant
Women To
Improve
Maternal Health**

Zero Mothers Die

Empowering Pregnant Women with Mobile Health

- Systematic distribution of 100,000 mobiles per year to pregnant women
- allocation of 36,000,000 minutes of free airtime per year
- Capacity-building of community health workers
- Reaching the most isolated



UniversalDoctor

UniversalNurses

UniversalWomen

USD 1.500.000 per year

WeObservatory



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Women Leaders Forum , New York, 27 September 2013 Official UN Side Event

ADVANCED DEVELOPMENT for AFRICA
Scaling Development from a Thriving Africa

Events 2013

Women Leaders Forum 2013

GLOBAL PARTNERSHIPS FORUM
Creating social impact through collaboration

Global Digital Health Initiative
Technology and Innovation for Equity

Women Leaders Forum 2013:
Connecting Women's Health and Girls' Education for Scalable and Sustainable Development

An Official side event of the United Nations General Assembly

The 2013 Women Leaders Forum was held on September 27th at The Pierre Hotel in New York City. Click the links below to access the official documents of the event.

Press Release: WLF 2013





- **4. Publications and events**

2012 - 2014



Publications



Las Tecnologías de Información y Comunicación en el combate de las enfermedades desatendidas en América Latina y el Caribe



Special Issue

Telemedicine

Numéro spécial
Télémedecine

2013

Millennia2015 WeTelemed: the global network of Women in Telemedicine



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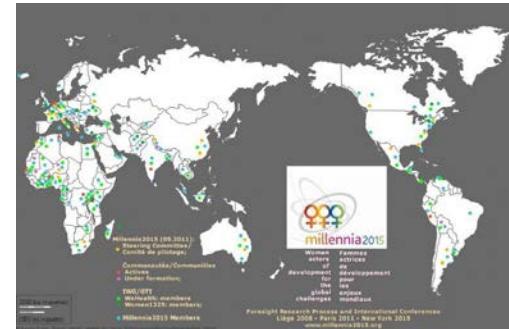
WeObservatory

Upcoming events 2014

- GSMA, 24 – 27 February 2014, Barcelona
- Medetel, 9 – 11 April 2014, Luxembourg
- WeObservatory Round Table, Geneva, May 2014
- IWEEE, 29 – 30 May, Canarias
- Women Leaders Forum, September 2014, New York



Partnerships



Millennia2015 Women and eHealth –
www.millennia2015.org

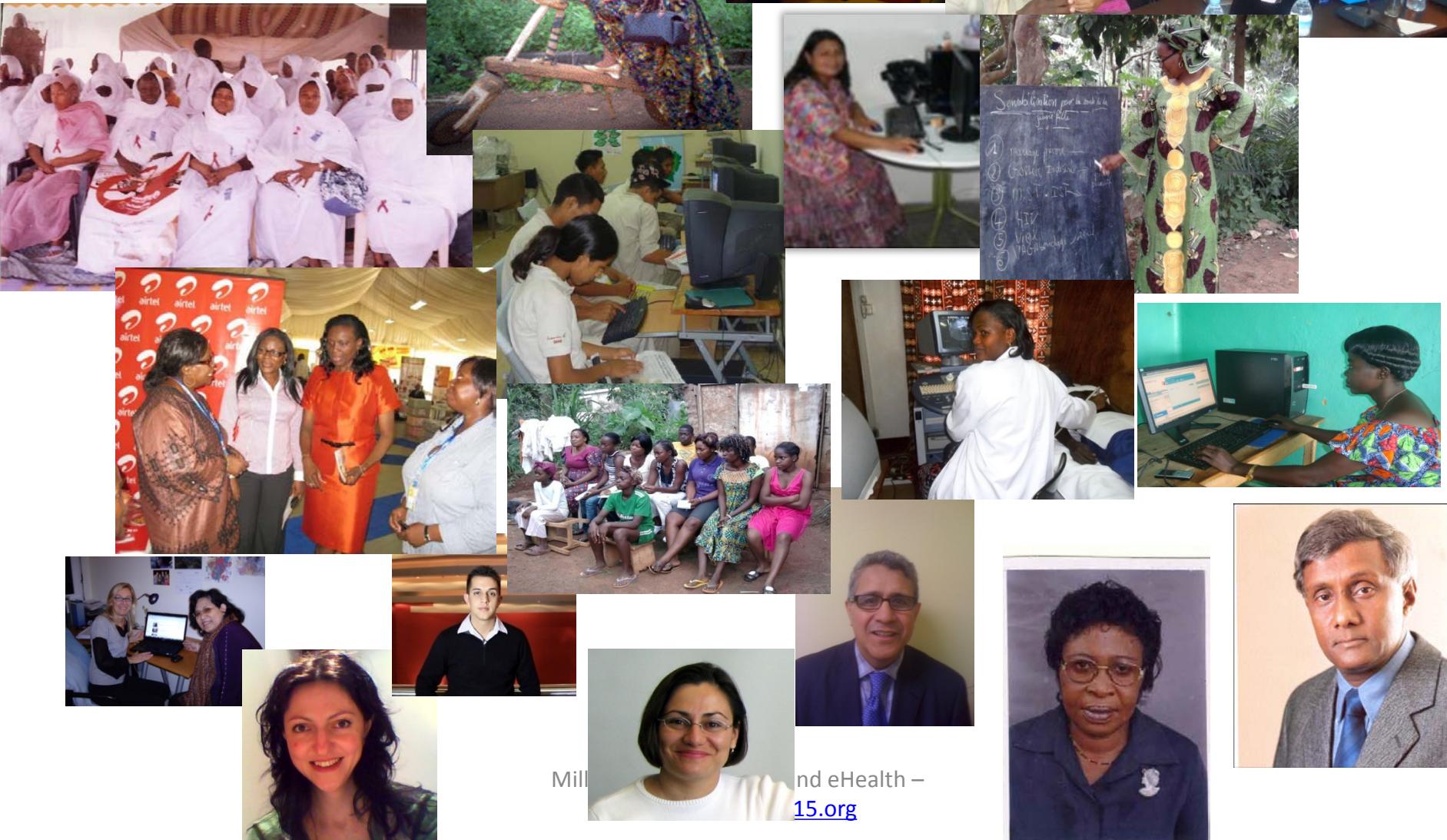
Your participation!

- Universities, students, researchers
- Professionnal associations
- Donors and grants
- Journalists and reporters
- Private sector (Telecom, Software, Devices...)



[www.millennia2015.org/Women and eHealth](http://www.millennia2015.org/Women_and_eHealth)

Thanks for your attention!



Millennia 2015
WeHealth –
15.org