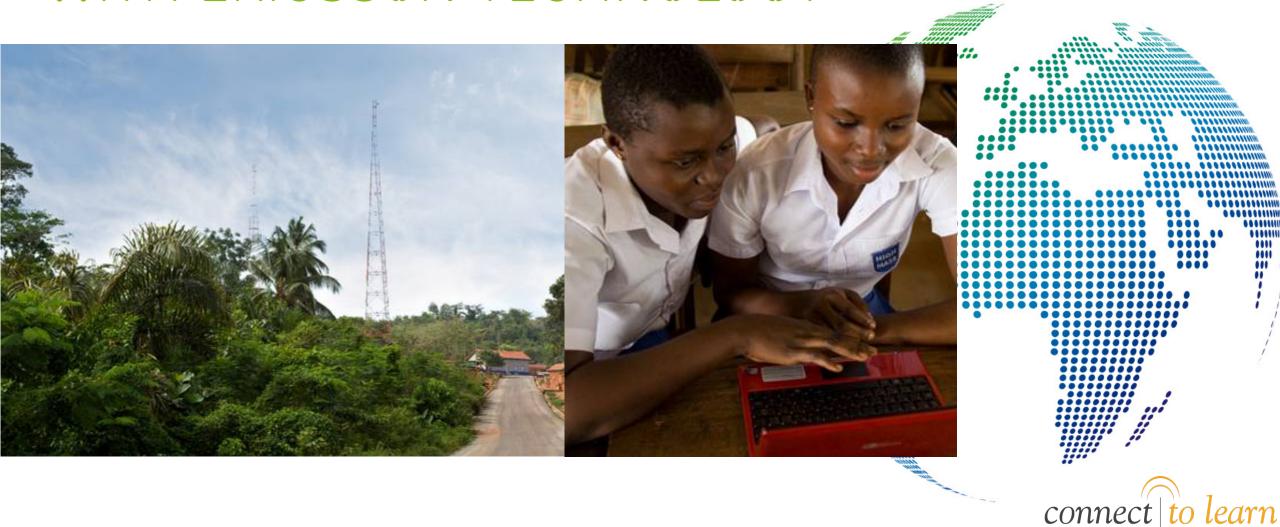
# CONNECT TO LEARN WITH ERICSSON TECHNOLOGY





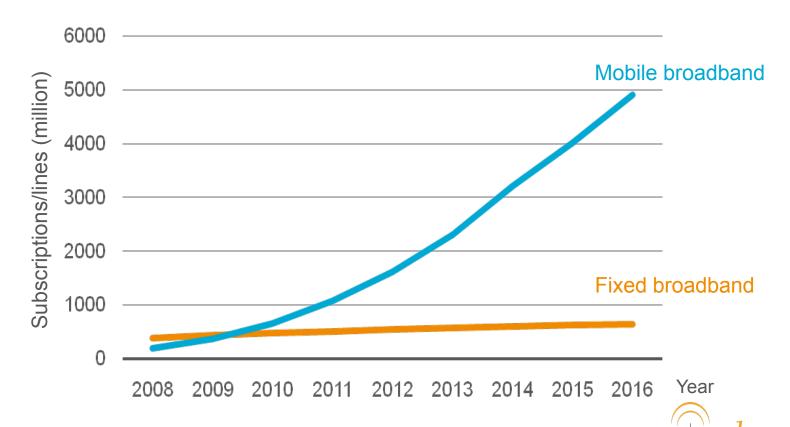
# MOBILE PENETRATION AND ECONOMIC GROWTH



Every 10% increase in broadband penetration is shown on average to deliver a GDP growth of 1%.

In developing and emerging markets, broadband penetration has a significant effect on economic growth, with 80 jobs created for every 1000 broadband connections.





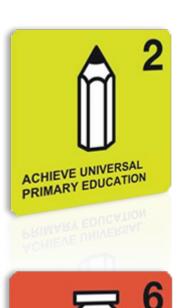
# MILLENNIUM DEVELOPMENT GOALS

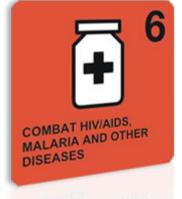


Ericsson has committed to help achieve the Millennium Development Goals by promoting affordable access to telecoms, which can help to fight poverty, support human rights and promote environmental sustainability.



















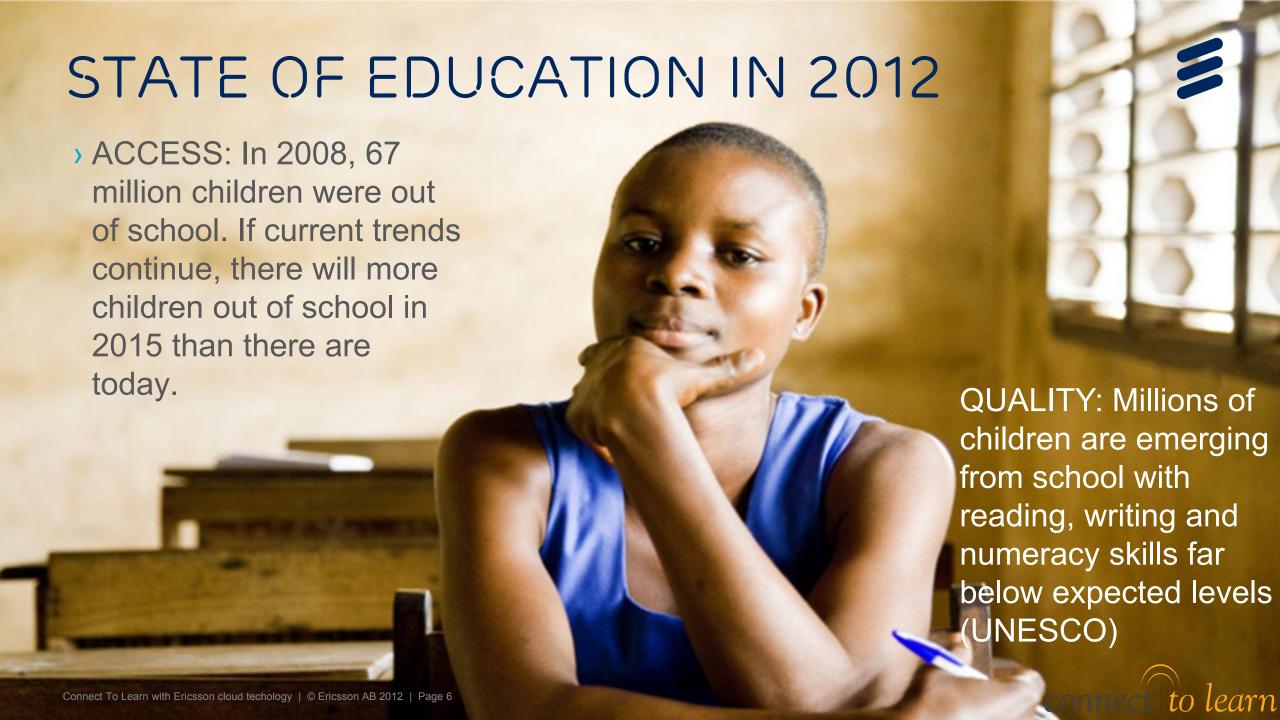


## A. CONNECT TO LEARN

- 1) STATE OF EDUCATION 2012
- 2) CONNECT TO LEARN PROVIDES











## B. ICT IN SCHOOLS

- 1) HOW TECHNOLOGY IMPROVES LEARNING
- 2) FROM COMPLEXITY
- 3) TO SIMPLICITY



## MLEARNING - A JOURNEY THROUGH TIME

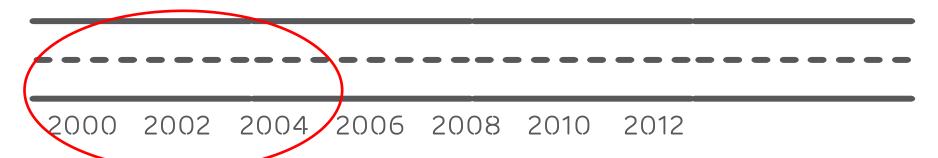








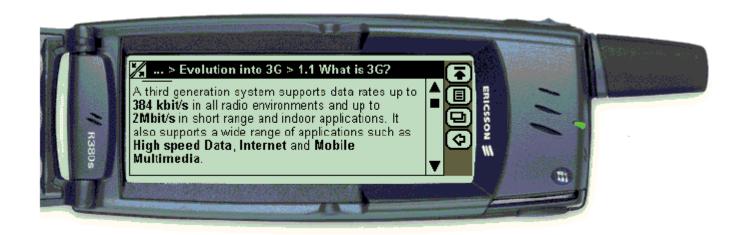
- Beginning of transformation in distance learning to widespread use of eLearning
- Enabled by growing broadband penetration, rise of eLearning standards, multimedia content, virtual classrooms etc
- First 'primitive' trials on mLearning limited by available technology, mainly driven by academics in university/school contexts



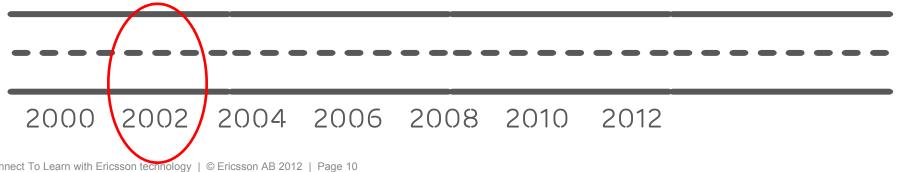


## MLEARNING @ ERICSSON (2002)





- WAP based, low resolution graphics, mainly text-based
- Focus on what was technically possible, rather than usability or pedagogical value





### MLEARNING – A JOURNEY THROUGH TIME









- Move to MBB and improved functionality in handheld device means more sophisticated, media rich content can

be delivered

- mLearning considered as an extension of eLearning

- Hundreds of trials, pilots completed within limited scope --

-no mass market implementations



00800

## MLEARNING - A JOURNEY THROUGH TIME



- Example:

mLearning for Community Health Workers in Millennium Villages in sub-Saharan Africa

#### MVP Reproductive Health

#### Course Objectives

- I. Family Planning
- II. Pregnancy Myths
- III. Types of Artificial Contraceptives
- IV. Postpartum Care Review Questions

Case Studies

Option

#### Review Questions

- 8. What types of contraception should postpartum breastfeeding women avoid?
- Condoms.
- XNone.
- Those with estrogen and cervical caps or diaphragms.

That is correct!

U06 10/12

#### I. Family Planning

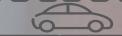
- Family planning enables women and their partners to choose the number of children they want and the time they want to have them.
- It is especially important in poor countries, where about childbearing age are caused by problems of pregnancy and childbirth.

U02 03/05



#### A. What is family planning?

- half of all deaths of women of



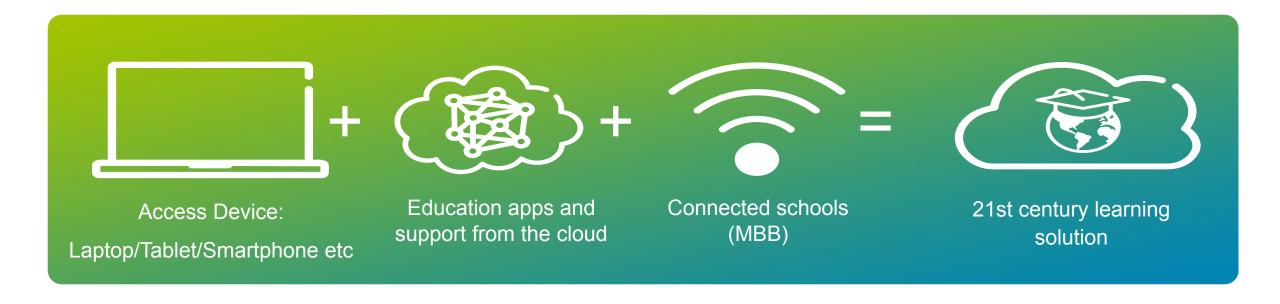




Ok

### THIS IS EDUCATION-IN-THE CLOUD





- > Simple, manageable & safe for students
- > Cost-effective, scalable accurate usage information for schools



# HOW TECHNOLOGY IMPROVES LEARNING



Personalized/self-paced learning

Enhanced learning experience

Collaborative/community based learning

Accurate assessment and feedback

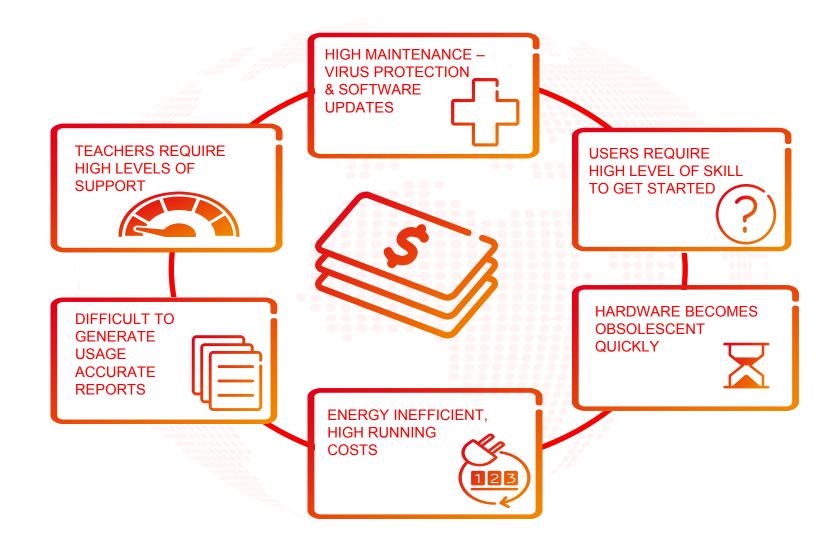
Access to a wide variety of content

Ability to manage large scale issues



### COMPLEX TECHNOLOGY TODAY

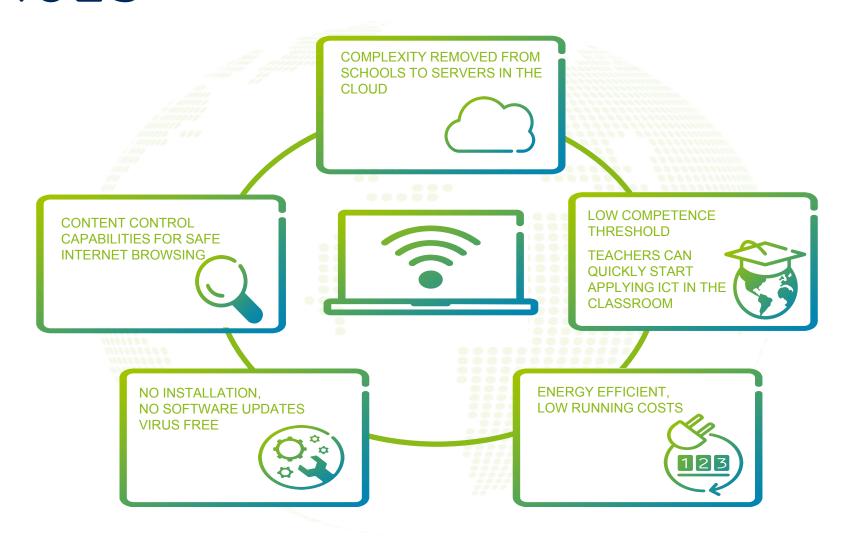






# TO SIMPLICITY WITH CLOUD SERVICES









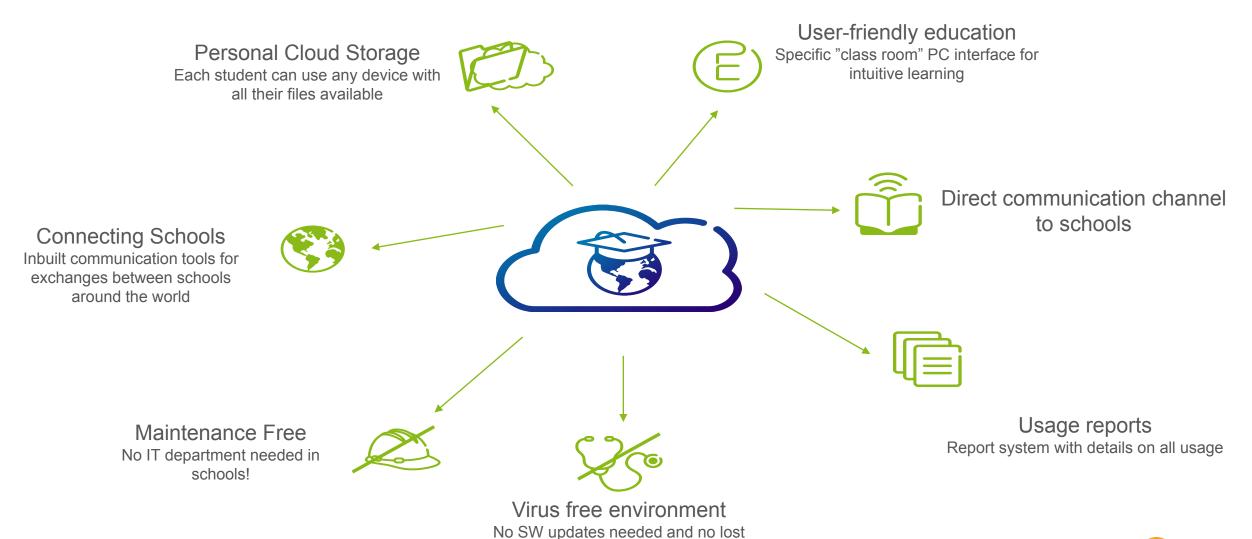
# C. SOLUTION OVERVIEW

- 1) EDUCATION IN THE CLOUD
- 2) SOLUTION VALUES
- 3) TYPICAL DEPLOYMENT



### SOLUTION VALUES

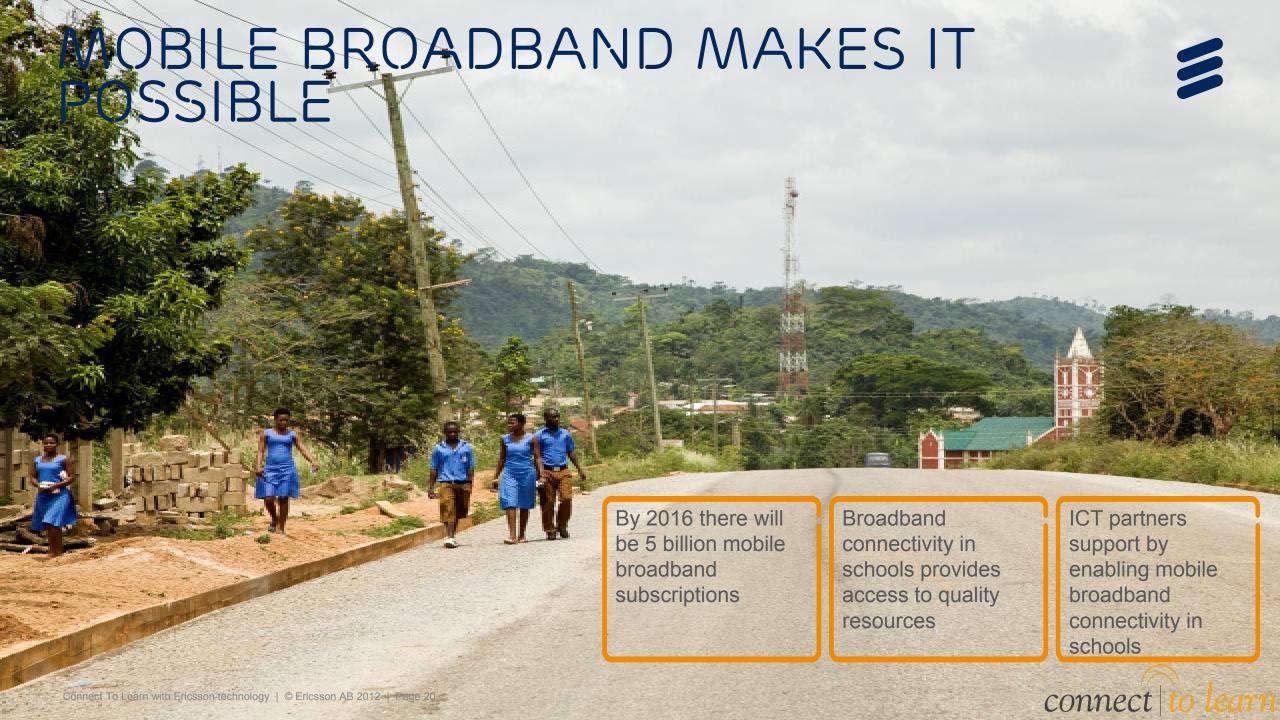




equipment due to viruses









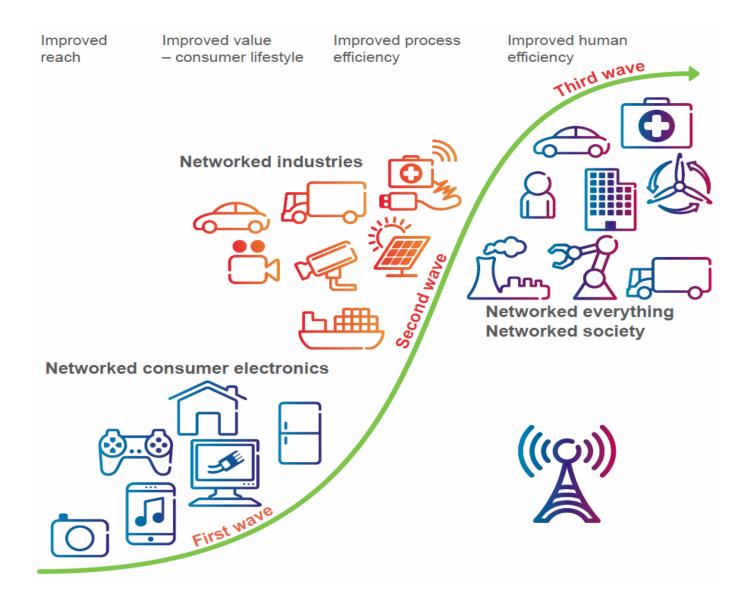
## D. INDUSTRY TRENDS

- 1) NETWORKED SOCIETY
- 2) HETNETS

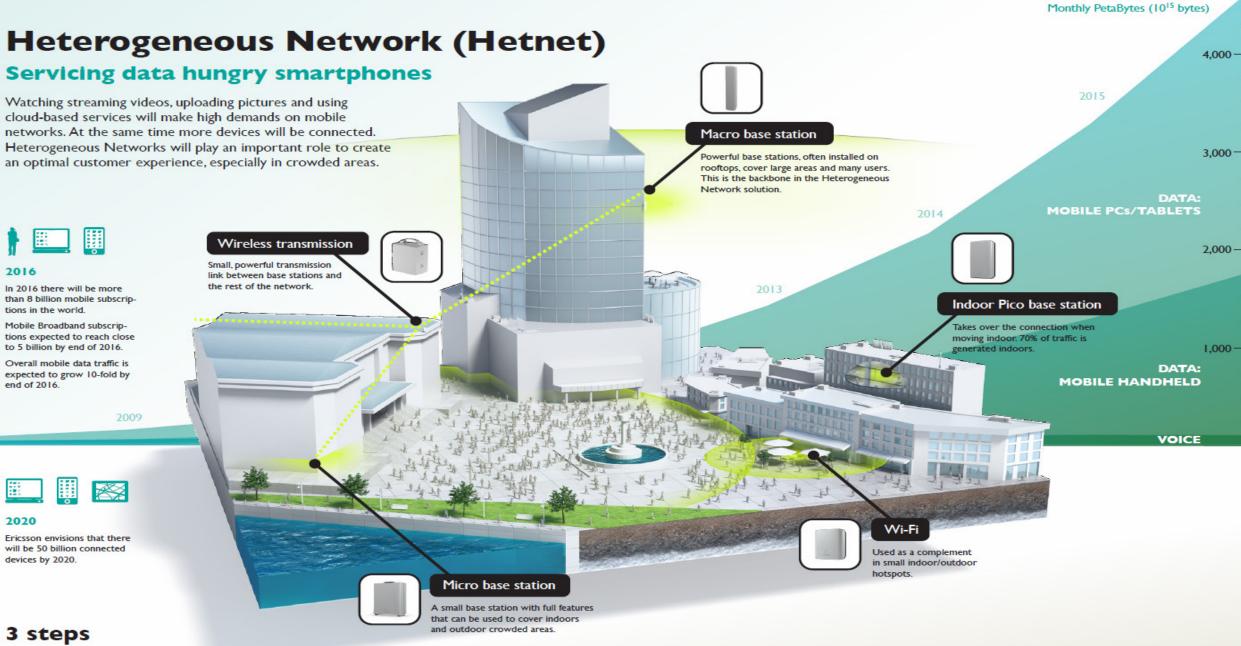












#### 3 steps

#### TO A HIGH-QUALITY MOBILE USER EXPERIENCE

Heterogeneous Network involves a mix of radio technologies and cell types, working together seamlessly to deliver the additional capacity and coverage needed.



Improve existing macro cells - this involves improving macro cells with more spectrum, advanced antennas and advanced RBS processing within and between nodes.



Donsify the macro network with a small number of strategic cells to improve capacity. In dense urban areas, inter-site distances could be as low as 100 meters.



Add small cells and dedicated indoor solutions, which may be based on 3GPP standard (micro cells, pico cells, or low-power Remote Radio Unit (RRU)), as well as WiFi.



# E. KEY PROGRAMS

1) SCHOOL TO SCHOOL CONNECTIONS







# F. REFERENCE CASES

1) GLOBAL REFERENCE CASES



## CTL ICT DEPLOYMENTS



GHANA (Q1 2011)

2 schools, 2070 students

**TANZANIA (Q3 2011)** 

2 schools, 550 students

**KENYA (Q3 2011)** 

2 schools, 620 students

**UGANDA (2011)** 

2 schools, 970 students

TOTAL (Q4 2012)

75 schools

**GHANA (Q4 2012)** 

Accra, 50 schools

(Q1 2012)

2 schools, 700 students

BRAZIL (Q2 2012)

2 schools, 200 students

INDIA (Q3 2012)

1 school, 250 students

**DJIBOUTI (Q3 2012)** 

5 schools, 3200 students

**SENEGAL (Q3 2012)** 

2 schools, 600 students

**RWANDA (Q4 2012)** 

2 schools, 600 students

MALAWI (Q4 2012)

2 schools, 600 students

NIGERIA (Q3 2012)

1 school, 500 students



#### FOUNDING PARTNERS





EDUCATE A GIRL. CHANGE THE WORLD.

THE EARTH INSTITUTE
COLUMBIA UNIVERSITY
Scientific Advisor









**ERICSSON**