

# PLATFORMS TO GROW INNOVATION

A coders4africa's perspective

A combination of:

Smart learning

Problem Solving

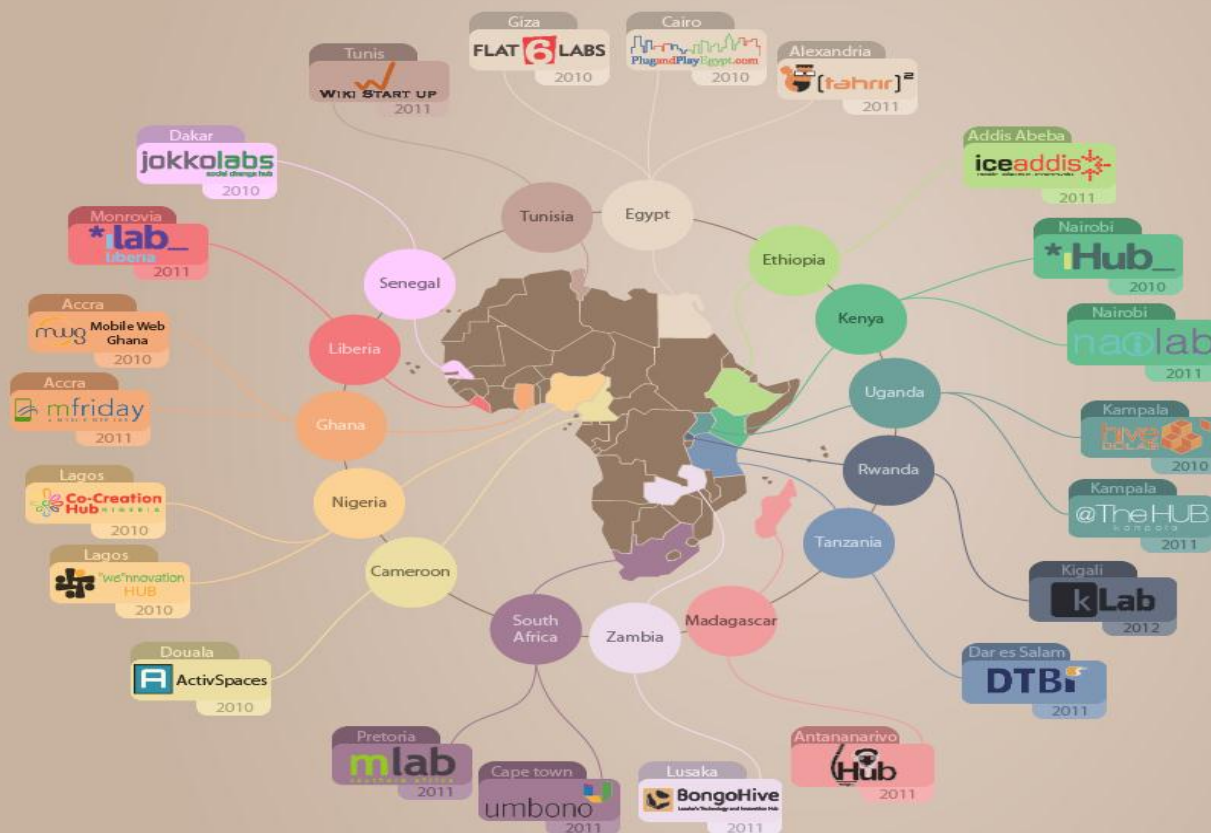
Build Capacity

# This is what innovation looks like



# REINVENT AFRICA

Innovation centers in Africa



## Northern Africa

WikiStartp.tn  
Flat6Labs.com  
PlugAndPlayEgypt.com  
Tahrir2.com

## Western Africa

JokkoLabs.net  
iLabLiberia.org  
MobileWebGhana.org  
mFriday.org  
CCHubNigeria.com  
WenovationHub.com  
ActivSpaces.com

## Eastern Africa

IceAddis.com  
iHub.co.ke  
NaiLab.co.ke  
HiveColab.org  
TheHubKampala.com  
kLab.rw  
Teknohama.or.tz

## Southern Africa

mLab.co.za  
Google.co.za/Umbono  
BongoHive.com  
i-Hub.mg

healthcare / mobile tech / emerging countries

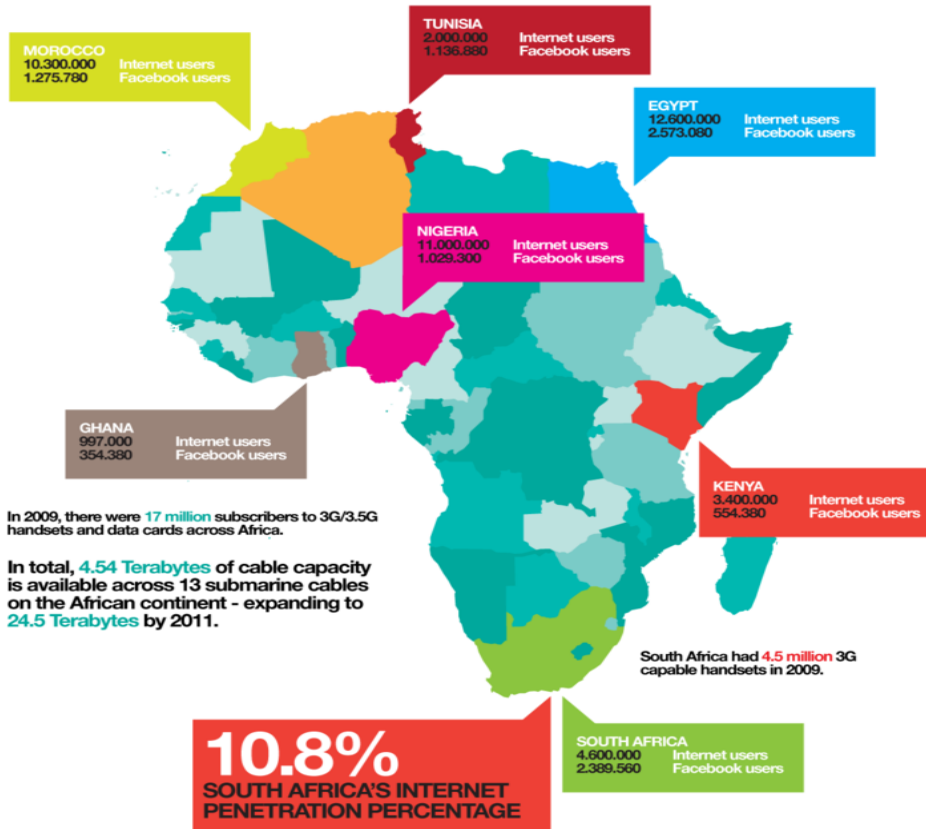
@mHealth\_Africa  
mHealthAfrica.com

June 2012

# The African Digital Frontier

## INTERNET PENETRATION PERCENTAGE BY REGION

77.4% NORTH AMERICA    61.3% OCEANIA / AUSTRALIA    58.4% EUROPE    34.5% LATIN AMERICA / CARIBBEAN  
29.8% MIDDLE EAST    21.5% ASIA    10.9% AFRICA



**500 million +**  
mobile phone subscribers  
246 million in 2008  
INCREASE OF OVER 100%

**110 million +**  
Internet Users in 2010  
4.5 million in 2000  
INCREASE OF OVER 2357.3%

The four biggest mobile phone markets are **Nigeria**, **South Africa**, **Kenya** and **Ghana**

The largest fixed line broadband market is **South Africa**, followed in order of market size by **Egypt**, **Morocco**, **Algeria** and **Tunisia**

## International Internet Usage

1. PEOPLE'S REPUBLIC OF CHINA  
450,000,000 Internet users
3. INDIA  
100,001,000 Internet users
5. BRAZIL  
75,944,000 Internet users
7. RUSSIAN FEDERATION  
59,700,000 Internet users
10. NIGERIA  
43,982,000 Internet users
44. SOUTH AFRICA  
4,600,000 Internet users

## SOURCES:

en.wikipedia.org  
www.internetworldstats.com  
www.nickburcher.com  
www.reuters.com  
www.webtrendsng.com

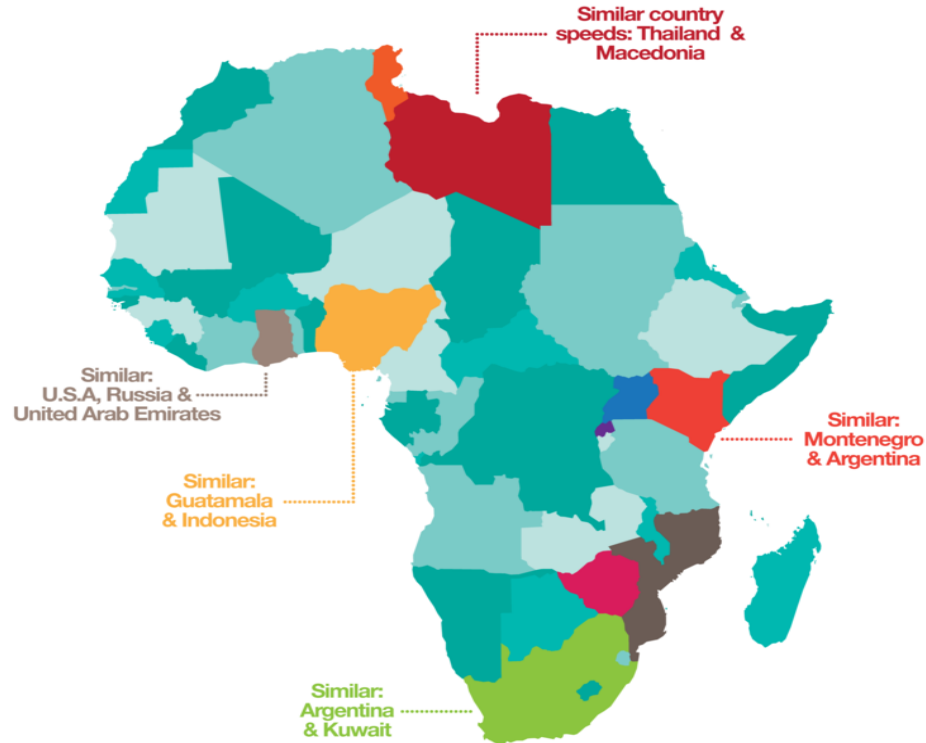
## MORE COOLNESS?

#ODMACT  
@ogilvydma

Infographic designed by  
@Ivanisawesome

# African Broadband Download Performance

01	GHANA	10.1 Mbps
02	LIBYA	4.79 Mbps
03	RWANDA	3.29 Mbps
04	KENYA	3.23 Mbps
05	SOUTH AFRICA	2.95 Mbps
06	MOZAMBIQUE	2.22 Mbps
07	TUNISIA	2.15 Mbps
08	ZIMBABWE	2.04 Mbps
09	UGANDA	1.80 Mbps
10	NIGERIA	1.38 Mbps



**1 Megabit** = **0.128 kiloBytes**  
Unit measuring network SPEED      Unit measuring DATA SIZE

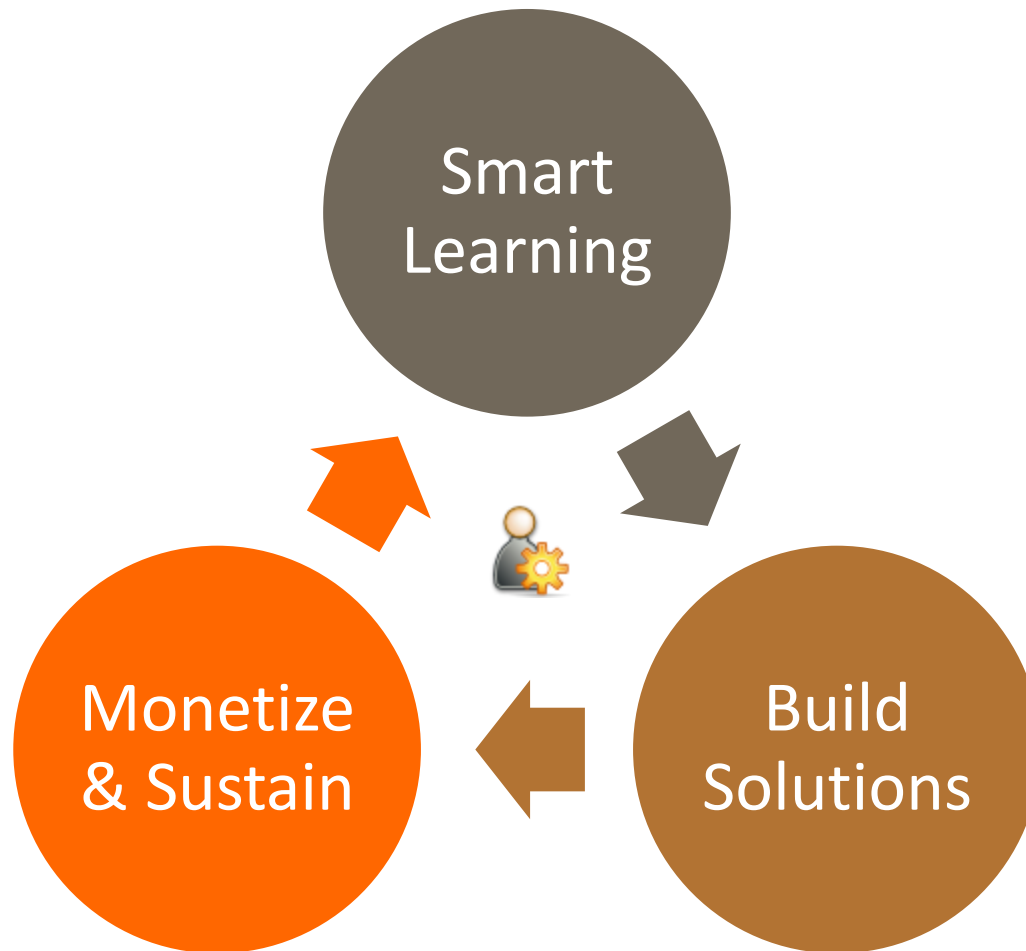
**Average worldwide**  
**8.48 Mbps (April 2011)**

**SOURCES:**  
[www.google.com/publicdata](http://www.google.com/publicdata)

**MORE COOLNESS?**  
#ODMACT  
[afrographique.tumblr.com](http://afrographique.tumblr.com)

Infographic designed by  
@Ivanisawesome

# Coders4Africa formula to insure innovation growth







**coders  
AFRICA**  
Coding my way towards success bit by bit...

Search...

SEARCH

HOME

ABOUT US

FORUM

BLOG

COMMUNITIES

THE TEAM

CONTACT US

RESOURCES

PARTNERS & SPONSORS

RADIO SHOW

SUPPORT US

## TRAFFIC

### Statistics

Total Members : 1161

Total Groups : 25

Total Events :

## COMMUNITY ACTIVITY STREAM



Amadou Daffe added 22 new photos in Team GeoPharma (c4a training) presenting their progress to the client: Assoc of Pharmacists album

18 hours ago



ANDREW KANDIE and Fatoumata Dembele are now friends

## LATEST POSTS

by

Suite de fibonacci (0)

by Idjiba

Oct.22.12

Exporter les données d'un...

Number of members and groups

Ex. of groups



### Sud Informatique

The "Sud Informatique" Institute was created since 1994. The Institute enjoys an excellent reputation, a seriousness and a quality. Their students meet everywhere in Senegal. He is the main supplier of middle managers to the companies of Ziguinchor.

Created on: Sunday, 27 November 2011

2 Members 0 Discussions 1 Wall Post



### EUCOSSA(KENYA)

Egerton University Computer Science Students Association.

Created on: Saturday, 22 October 2011

8 Members 1 Discussion 9 Wall Posts



### KUZABIZ

KuzaBiz is a web application with a mobile interface that allows SMEs to record their business transactions that is, goods sold and their prices, their expenses and thus track both their sales and calculate their profits.

Created on: Friday, 21 October 2011

3 Members 0 Discussions 2 Wall Posts

# Smart Learning

- Coders4Africa practical project training model
  - Real Projects
  - Real Clients
  - Learn by doing
  - Currently taking place in Senegal
  - Training program starts
    - Kenya in February 2013
    - Ghana in March 2013



# Project based training Happening right now in Dakar, Senegal



# Example of products being built:

**Daral:** Farmers and Cattle herding management system - Client: Amadou Sow (Secretary of the Union of farmers of Fatick, Senegal)

**DARAL**

[Tableau de Bord](#) [Eleveurs](#) [Darals](#) [Vols](#) [Maldies](#)

Bienvenu, Sylla Drame -- [Mon Compte](#)

**Daral 1578** - Adresse 125 Rue du Fleuve, Podor, Matam

Selectionner une categorie pour la recherche

Rechercher

**Nouveaux Eleveurs**

Amadou Sow – Region Dioubel - Troupeau 254  
Saliou Balde – Region Fouta – Troupeau 1300  
Habib Diallo – Region Matam – Troupeau 456

Soumettre Eleveur

**Nouveaux Darals**

Matam – Eleveurs 347 – Betails total 76000  
Velingara – Eleveurs 347 – Betails total 76000  
Oussouye – Eleveurs 347 – Betails total 76000


**Alertes de vol de Betail**

Vol a Matam – Eleveur Amadou Sow -2 tetes  
Vol a Podor – Eleveur Kalidou Faye – 6 tetes  
Vol a Velingara – Eleveur Ibrahima Sall – 1 tete

Soumettre Alerte

[Carte](#) [Liste](#)

Tous les Eleveurs enregistres sur Daral 1578



**Ressources**

[? Campagne de vaccination nationale](#)  
[i Declaratio epidemie nationale](#)  
[\\$ Financement – prix - ventes](#)

**News**

[News dans le monde de l'elevage](#)  
[News dans le monde de l'elevage](#)  
[News dans le monde de l'elevage](#)

# Example of products being built:

**GeoPharma: Management of Pharmacies and health facilities in Senegal** - Client: Senegalese Association of Pharmacies

Bienvenu, Alioune Diop – [Mon Compte](#)

# GEOPHARMA

Geo-referencement des officines de pharmacie hopitaux et centres de santes

Tableau de Bord

Pharmacies

Centres de Sante

Hopitaux

Recherche par nom de ville, quartier ou Pharmacie

Rechercher

5 Nouvelles Pharmacies enregistrees

Ajouter

Pharmacie El Hadji Malick Sy – Ville: Dakar – Quartier: Malick Sy - Pop 90,000 – Dist. par default: 2,5 KM

Pharmacie Principale – Ville: Dakar – Quartier: Ngor Village - Pop 100,000 – Dist. par default: 1,5 KM

Pharmacie du centenaire – Ville: Dakar – Quartier: Centre Ville – Po 80,000 – Dist. par default: 3 KM

Pharmacie du Potou – Ville: Dakar – Quartier: Centenaire - Pop 230,000 – Dist. par default: 1 KM

Grande Pharmacie de Bambey – Ville: Bambey – Quartier: sud Bambey – Pop 75,000 – Dist par default: 1 KM

5 plus grandes pharmacies

Pharmacie El Hadji Malick Sy

Grande Pharmacie de Bambey

Pharmacie de la poste

Pharmacie la linguere

Pharmacie Centrale

Carte

Liste

Toutes les pharmacies enregistrees

Map

Satellite

Hybrid

Terrain

12 mi

2 km

Imagery ©2012 TerraMetrics, Map data ©2012 Google - Terms of Use

Ressources et news

Combattre contre facons

Declaratio epidemie nationale

Financement – prix - ventes

# Monetize & Sustain

- ICT Hub
- Fuel the ideas
- Focus on mobile and web
- Focus on Young start-ups
- Access to knowledge, networks and financial resources



### **African Strengths**

- Growing ICT infrastructure (Broadband connections & Mobile)
- Strong understanding about importance of using ICT4Dev
- Growing entrepreneurship
- Growing Investor Interests
- Closer integration within continent
- Unified Market of ~1 billion people

### **African Opportunities**

- Global growth of ICT industry (\$500+ Billion market)
- Africa as an Economic Bloc (pop ~1 billion)
- Growing interest in ICT applications to address challenges of the continent
- ICT Centers of Excellence popping up across Africa (Rwanda, Carnegie Mellon University)

### **African Weaknesses**

- Non-ICT infrastructures still under development
- Better business environment still under development
- Lack of skilled labor force to fuel growth
- Lack of international recognition

### **African Threats**

- Increased Global competition
- Pace of human capacity development not meeting growing needs
- Slow expansion of intra-African markets
- International Internet bandwidth growth below global standard
- Cost of Internet is high
- Regulation, taxes, other costs— a burden

# How does initiative like C4A scale?

- Funding
  - To strengthen the capacities of its 4 current chapters in Senegal, Ghana, Kenya and Burkina Faso
  - To spread to more African countries in 2013 as well as attract more members/students
  - To create hub/lab in each country we operate in
- Partnerships with private and public agencies
  - To bring us more visibility, capability and innovative projects.

# Q&A & Contact Info

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