

Mobile Technologies: Empowerment via Participation and Innovation

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- Evolution of ICTs
- Government "vs." Governance
- The mobile "revolution"
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- Looking ahead...



### The World Today...



- Global recession, fiscal crises, climate change, etc.
- Increased inequality between and within countries
- New "social movements"...



 Rapid growth of mobile technologies and social network use

#### Inequality within countries... Income inequality Gini coefficient, 1=perfect inequality 0.4 Britain United States 0.3 OECD Germany 0.2 Sweden 0.1 0 1975 80 85 90 95 2000 05 08 Source: OECD

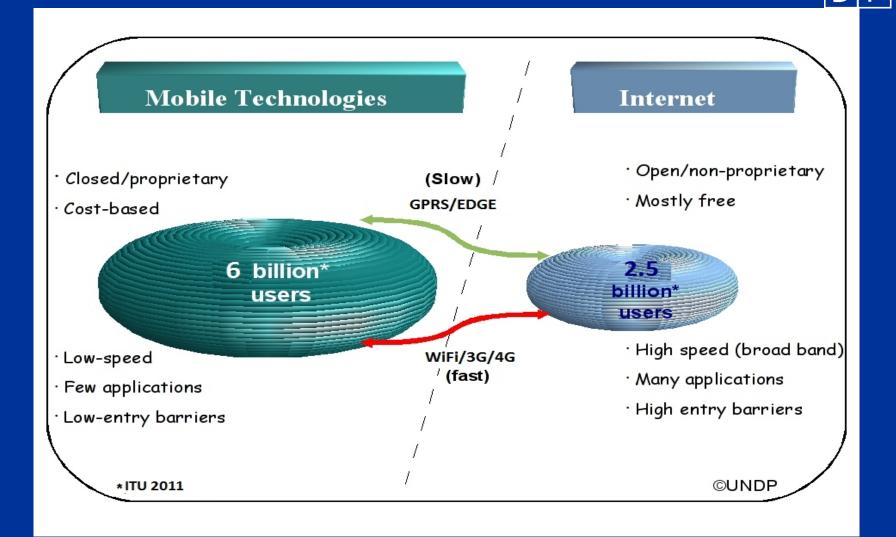
Source: The Economist

### Inequality within countries, MENA

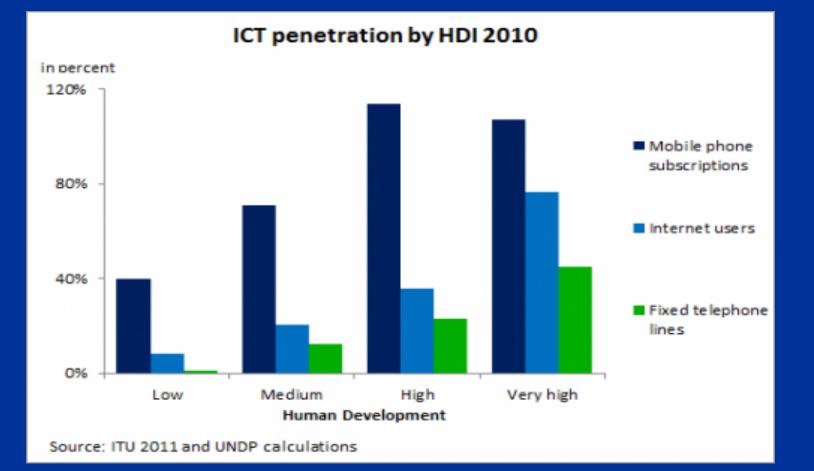


	HDI rank UNDP 2011	Adult literacy rate (% aged 15 and above) UNDP 2009	Headcount of MPI poor (% of population) UNDP 2011	Gender Inequality Index UNDP 2011		Gini Index UNDP/ World Bank, latest data available	e- participation rank UNDESA 2012	e- government readiness rank UNDESA 2012	
Very High Human Development									
UAE	30	90	n/a	0.234	0.454	n/a	6	28	
Bahrain	42	91.4	n/a	0.288	0.381	n/a	8	36	
High Human 🕻	High Human Development								
Algeria	96	72.6	n/a	0.412	0.467	n/a	30	132	
Iran	88	85	n/a	0.485	0.437	n/a	25	102	
Jordan	95	92.2	2.4	0.456	0.315	37.72	28	51	
Lebanon	71	89.6	n/a	0.44	0.312	n/a	20	93	
Libya	64	88.9	n/a	0.314	0.313	n/a	32	114	
Saudi Arabia	56	86.1	n/a	0.646	0.266	n/a	9	41	
Tunisia	94	77.6	2.8	0.293	0.362	n/a	18	66	
Turkey	92	90.8	6.6	0.443	0.344	41.15	30	69	
Medium Human Development									
Egypt	113	66.4	6	0.599	0.297	30.8	7	107	
Iraq	132	78.1	14.2	0.579	0.2	30.9	28	137	
Morocco	130	56.1	10.6	0.51	0.327	40.88	17	120	
Syrian Arab R	119	84.2	5.5	0.474	0.265	n/a	31	128	
Source: UNDP HDR 2011, World Bank WDI 2011									

### **Evolution of ICTs**



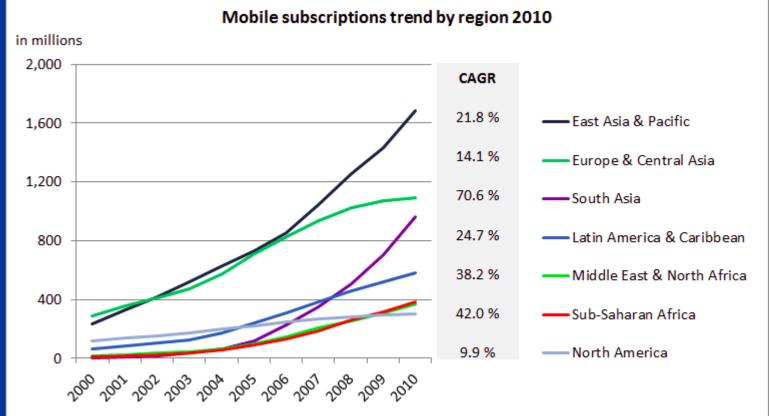
#### **Evolution of ICTs..**





### **Evolution of ICTs..**





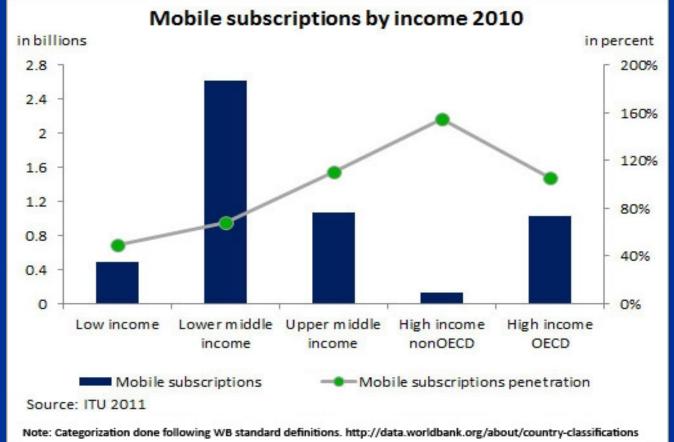
Source: ITU 2011, UNDP calculations Note: CAGR (Compound Annual Growth Rate)

### **Evolution of ICTs, MENA**

	ons/100 inhabitant s ITU, data	inhabitant s ITU, data from 2010	broadband subscription s per	Face book users Socialbakers, data from 02/2012	100 ່	twitter users (Average number betw. 01/01	Category ITU, data from 2010	as a % of GNI per capita ITU, data	sub- price basket as a % of GNI per	Human Developmen t Level UNDP, data from 2011
Saudi Arabia	187.9	41.0	5.5	4,916,240	20.0	115,084	Upper	1.1	0.6	High
Oman	165.5	62.6	1.9	397,780	14.5	6,679	Upper	1.2	0.9	High
Kuwait	160.8	38.3	1.7	885,140	32.3	113,428				High
lsrael	133.1	67.2	25.1	3,889,820	47.1	104,849	High	0.9	0.7	Very high
Qatar	132.4	69.0	9.2	433,000	57.1	133,209	Upper	2.7	0.9	Very high
Bahrain	124.2	55.0	12.2	332,200	46.2	61,896	Upper	0.7	0.2	Very high
Jordan	107.0	38.0	3.2	2,057,500	35.0	55,859	Medium	3.9	2.9	High
Tunisia	106.0	36.8	4.6	2,925,040	28.5	35,746	Medium	2.5	0.8	High
Morocco	100.1	49.0	1.6	4,176,700	14.1	17,384	Medium	9.6	9.2	Medium
Iran	91.2	13.0	0.7			34,292	Medium			High
Egypt	87.1	26.7	1.8	9,544,400	13.3	131,204	Medium	3.5	1.7	Medium
Lebanon	68.0	31.0	4.7	1,618,940	34.9	79,163	Medium	3	1.5	High
Yemen	46.1	10.9	0.3	396,380	2.0	29,422	Low	36.8	1.2	Low
Sudan	40.5		0.4			9,459				Low
Palestine		37.4		850,540	37.0	11,369				Medium

### **Evolution of ICTs..**





%

### **ICTs: Efficiency vs. Transformation**

- ICTs as efficiency tool

   => cost reduction, scale
   => economic perspective
- ICTs as transformational tool

   => qualitative changes
   => networking...
   => new ways of doing things!



*The essence of technology is by no means anything technological* (Heidegger)



#### What is that "e" for?



## Let us remove the "*e*" from *e*-government and *e*-governance

#### We are left with...



# Government "vs." Governance within a given

State!

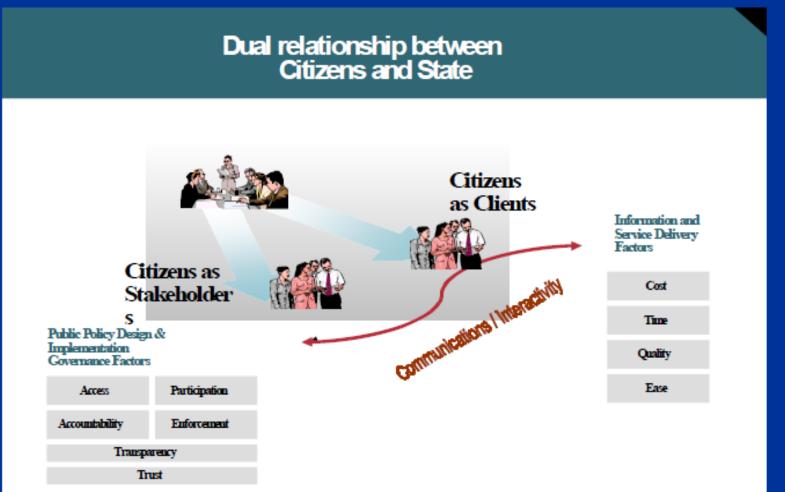




- The State:
   => territory, institutions, culture,etc.
- Government:
   => people who run the state
- Governance:
   => rules and mechanisms to run a given state of affairs

# Dual role of people in governance..





#### **Open Government: Overview**



Transparency Open Data, Information Access laws, etc.

#### **Participation**

Networking, collaboration Voice, etc.



**TAP: Three key pillars of Democratic Governance!** 

#### **Open Government revisited**



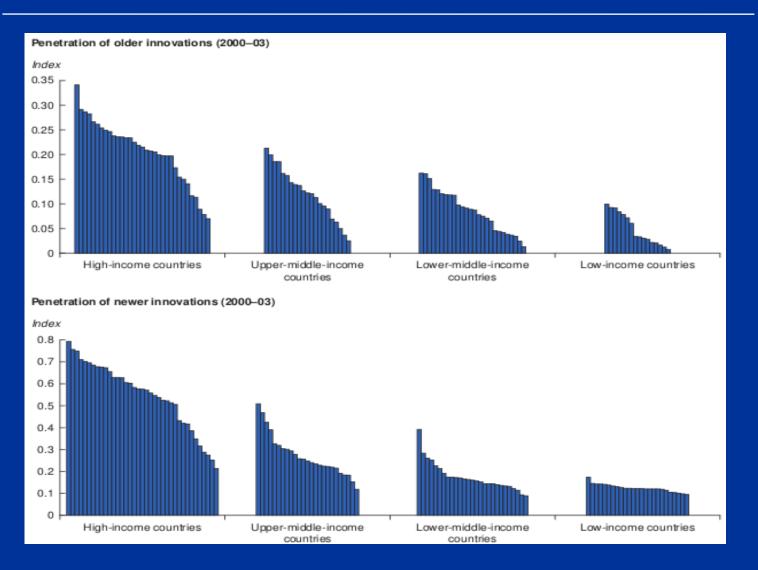
#### Transparency Open Data, Information Access laws, etc.

#### Participation Networking, collaboration Voice, etc.

#### ICTs: enable, transform

#### Accountability Social audits, etc.

### **Diffusion of mobiles..**





### Why?



- Lower costs (devices and access)
- Broader network coverage
- User interface (voice plus simple text)
- Usability and portability
- Appropriation (personal device, usually)
- Social status

### **Mobiles Socio-economic Impact**

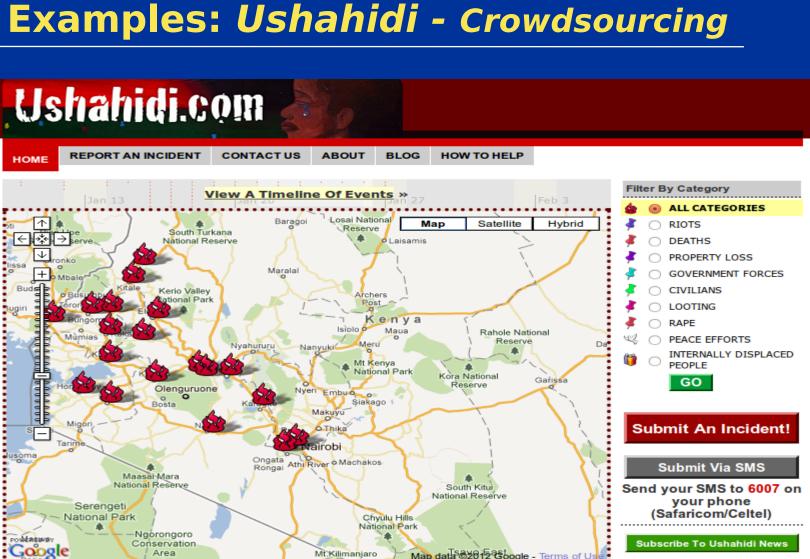
- Link to GDP growth
- Increase of tax revenues
- New jobs in sector and outside
- Infrastructure leap-frogging
- Enhance public service delivery
- Reduce Information asymmetries





### **Mobiles Socio-economic Impact**

- Reduce cost/travel expenditures for SMEs
- Creates new infomediaries
- Facilitates access to information
- Fosters communications (9 trillion SMS sent in 2011)
- Provide access to poor people over 90 million people have a mobile but have no access to electricity!



#### TAGS: ALL, Riots, Deaths, Property Damage, Government Forces, Civilians, Looting, Rape, Peace

nal Dark

U N D P

#### m-Pesa - Mobile Money, Kenya





### I Paid a Bribe! - India

Do **you** think **CORRUPTION** is corroding our country? **Your** data will help to change the system. **Your** bribe story can help others. Act **NOW!** 



BRIBERY HAS A NEW NUMBER: SMS 561 6151 bribe JOIN THE POSTER LAGAO CORRUPTION HATAO CAMPAIGN FOR YOUR CITY

**NEW! STORIES ON MEDICAL CORRUPTION** 

#### **BRIBE STORIES I PAID A BRIBE**

Stories of those who had to pay bribes

#### My friend bribed Traffic Police

Noida | Others | Rs. 300

#### 7 hours | 8 Views | 0 Comment

Hi..One of my friend has learning license , he unknowing break the red light rule( while he...

Rea

#### THE ANTI-BRIBE BRIGADE I DIDN'T PAY A BRIBE

Stories of those who resisted bribes

#### Finally I won...

Bhubaneswar | Others

#### 1 day | 20 Views | 0 Comment

Since last 2 years one of our application was pending at state dept ,Odisha. Though this...

Read

#### HONEST OFFICIAL I DIDN'T HAVE TO PAY A BRIBE Stories of those who didn't demand bribes

#### Bride for outsider on outside chowk chandigarh

Abohar | Police

#### 2 days | 27 Views | 0 Comment

HI! i does not found chandigarh in dropdown list. get driv with vehicle from rural...

Read

RESOLVE TO RESIST I DON'T WANT TO PAY A BRIE How to avoid paying a bribe

Q. asked bribe for showing bangla sahib gurudwara...



### Post-crisis and peace keeping



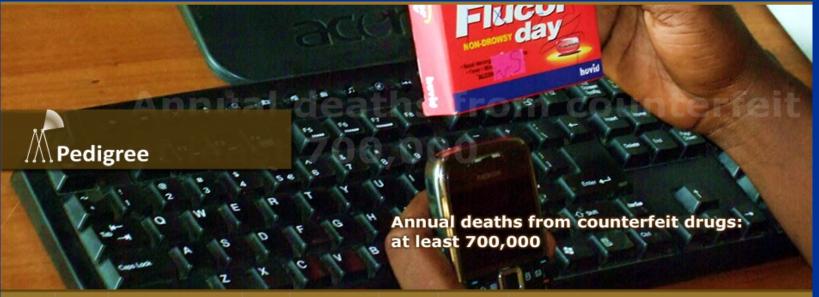
Central African Republic: Disarmament & demobilization



#### M-Pedigree - mobile health, Ghana



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mPedigree Partners



We Are the mPedigree Network

We partner the principal telecom operators in Africa, the leading pharmaceutical industry associations on the continent and Fortune 500 technology powerhouses to empower African patients and consumers to protect themselves from the fatal effects of pharmaceutical counterfeiting, which kills nearly a million people a year, and maim countless more, in vulnerable parts of the world.

An important side effect of this effort is the steady recovery of the more than \$200 million that legitimate pharmaceutical companies lose DAILY to this genocidal trade.

Our mobile health platform allows all patients and consumers - regardless of educational background, income or status - to instantly verify the safety and efficacy of their medicines using their own or a shared mobile phone at no cost across the 95% of territory where a mobile signal is available.

As a social enterprise, and a member of the Ashoka and World Economic Forum communities, we owe equal duty to our consumer clients, pharmaceutical clients, impact investors, and regulatory allies. And of course to you, the concerned public. Together, we can clean up the health market.

Social Profiles

Follow us in these Social Networks

#### More in UNDP Report on Mobiles



DEMOCRATIC GOVERNANCE

#### MOBILE TECHNOLOGIES AND EMPOWERMENT:

Enhancing human development through participation and innovation



#### **Download from here NOW!**





http://undpegov.org/mgov\_primer.html





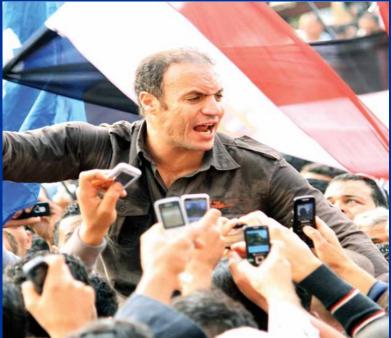
- Innovations in the South!
- Lower barriers to entry (access & technology)
- Local social innovators/ entrepreneurs
- Responding to local needs/gaps



### Looking forward...



- Policy makers be aware!
- Empowers people
- New ways to interact with governments
- Gives voice to those who had none before



### Looking forward...

BUT..

### UN DP

Scalability Issues

•Weak links to national development policies and strategies

 Not a panacea, nor a one size fits all approach

### Thank you!



http://undpegov.org/

