



Connect.
Collaborate.
Innovate.

An Uncommon Alliance



*Inter-Agency
Collaboration*



Public-
Private
Partnership



Technology
Solutions
Enabler

32 INGOS

\$38b. delivered in aid

180+ countries

This is NetHope

Supporters



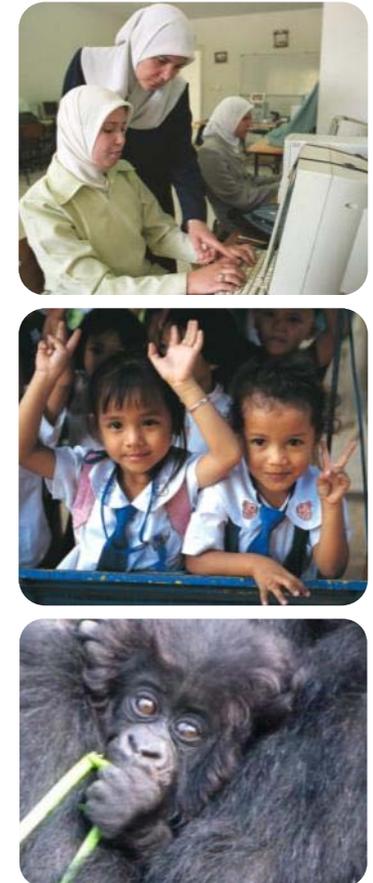
Programs



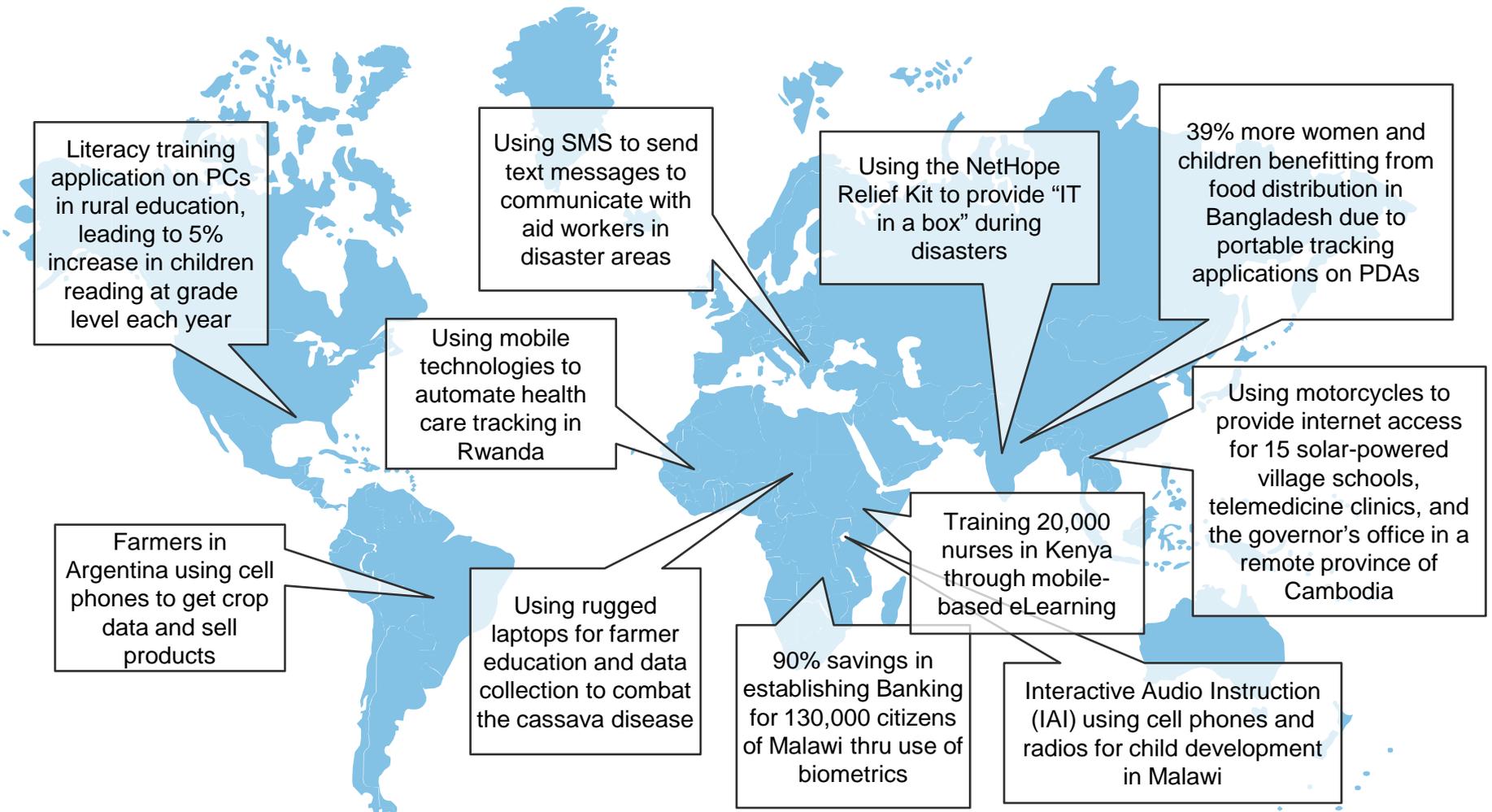
Members



Beneficiaries



The Good, the Bad and the Hope



Why Now and How?

“We have the potential to deploy more resources, build deeper partnerships, and utilize innovative technologies to achieve new progress for our mission.”

Dr. Rajiv Shah. USAID Administrator

Why Now and How?



THE GLOBAL BROADBAND AND INNOVATIONS ALLIANCE

Designed to focus attention and drive connectivity and innovation throughout USAID's development portfolio

Connectivity . . . Mobile . . . Innovation

- **Driving Innovation and Shared Solutions**
- **Mobile Innovations for Development (m4D)**
- **Improving Universal Service Funds**
- **Expanding Rural Connectivity**
- **Leveraging Public-Private Partnerships**
- **Expanding Connectivity through Broadband**
- **Delivering Value Added Services to Missions and Bureaus**



500 BILLION

6.1 TRILLION

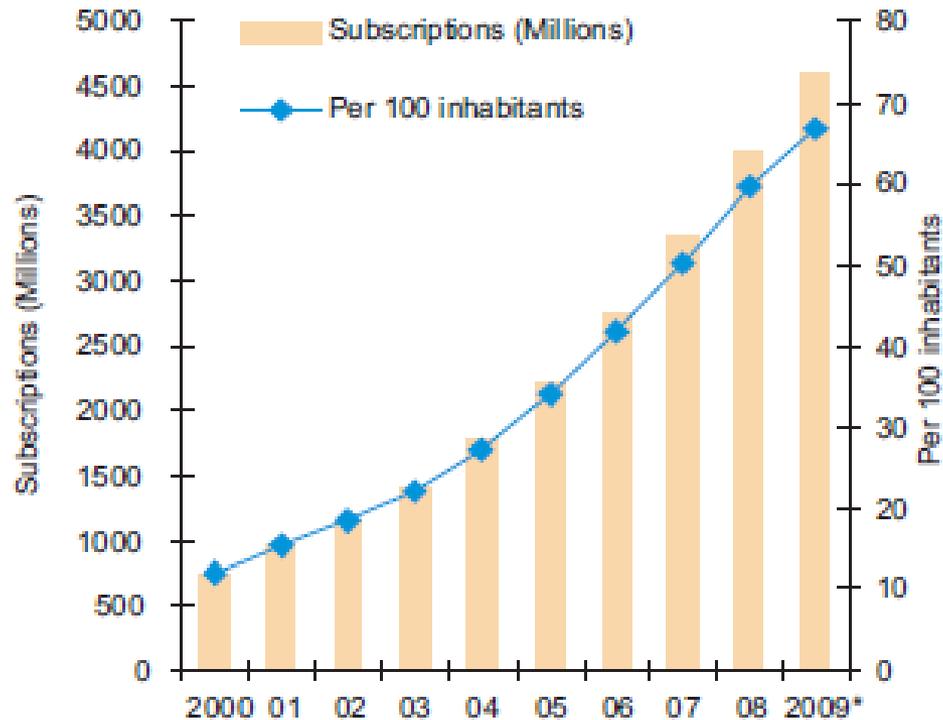
7.4 BILLION

1 BILLION

40

Expanding Rural Connectivity

Chart 10.2: Global mobile cellular subscriptions, 2000-2009

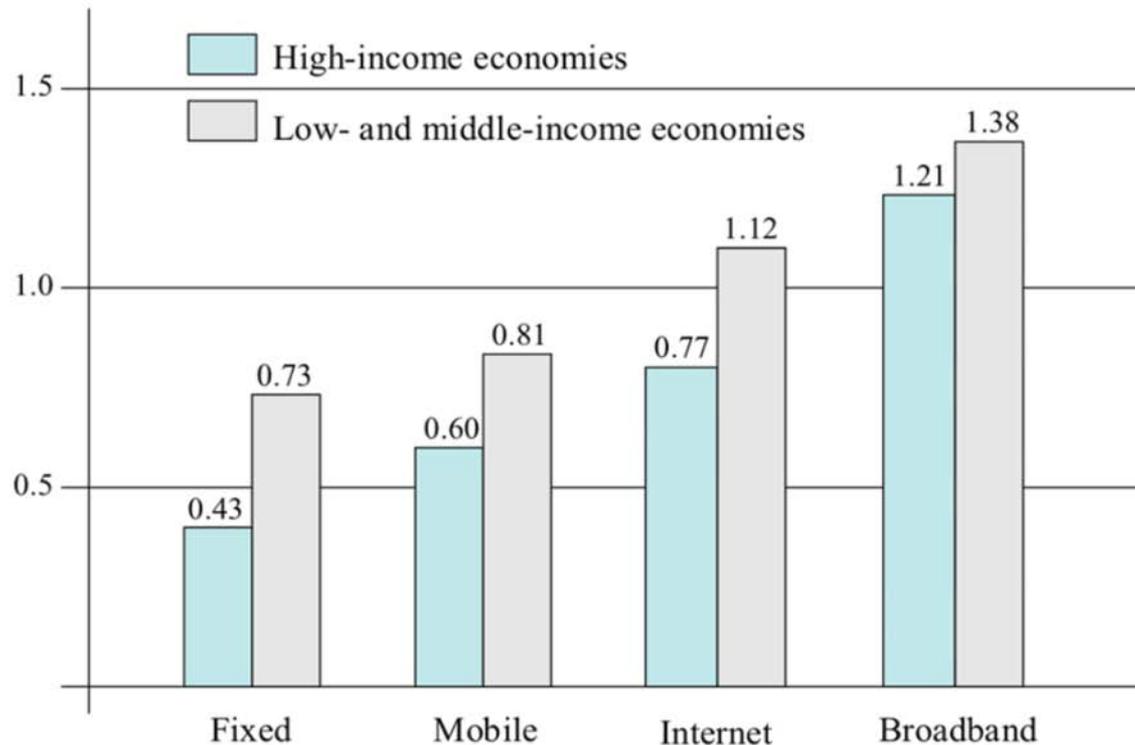


Note: * Estimate.

Source: ITU World Telecommunication/ICT Indicators database.

Expanding Rural Connectivity

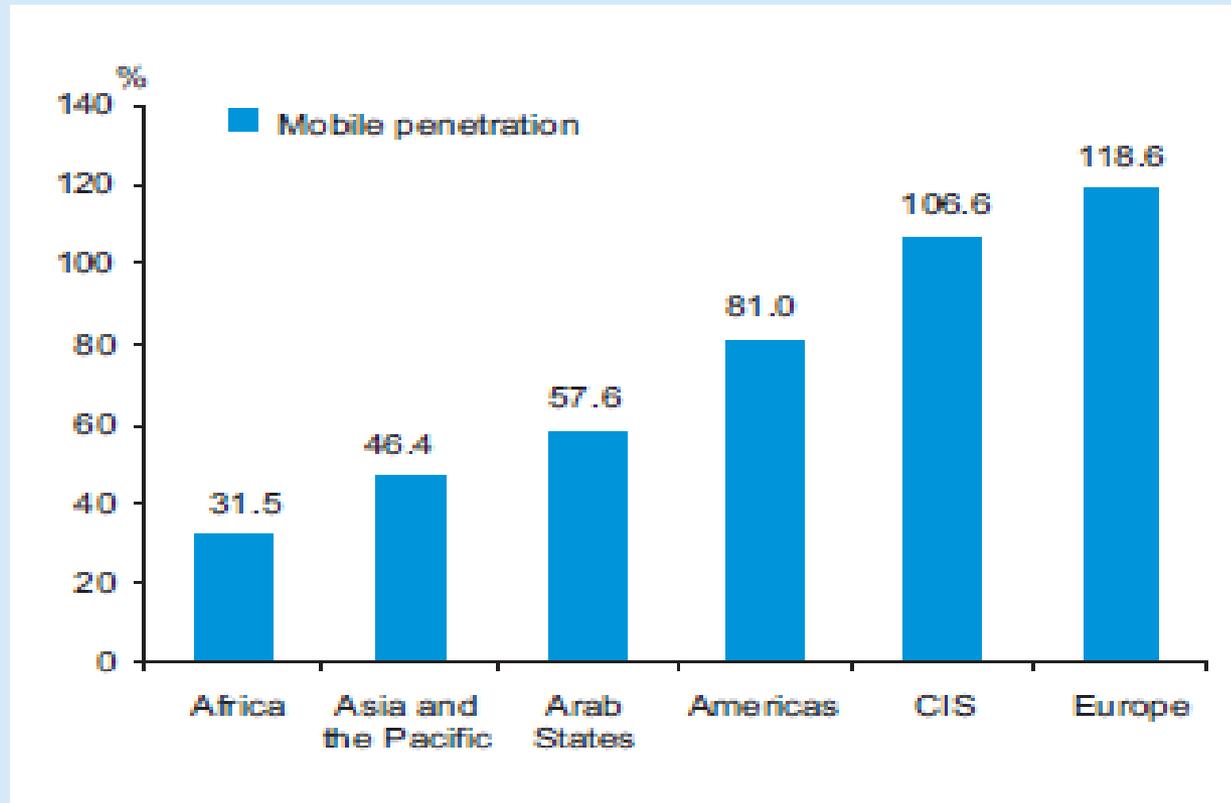
Figure 1: Growth effects of ICTs
Percentage point increase in GDP per capita for every ten percentage point increase in ICT penetration, 1980-2006



Source: Qiang and Rossotto, World Bank Information and Communication for Development Report 2009.

Expanding Rural Connectivity

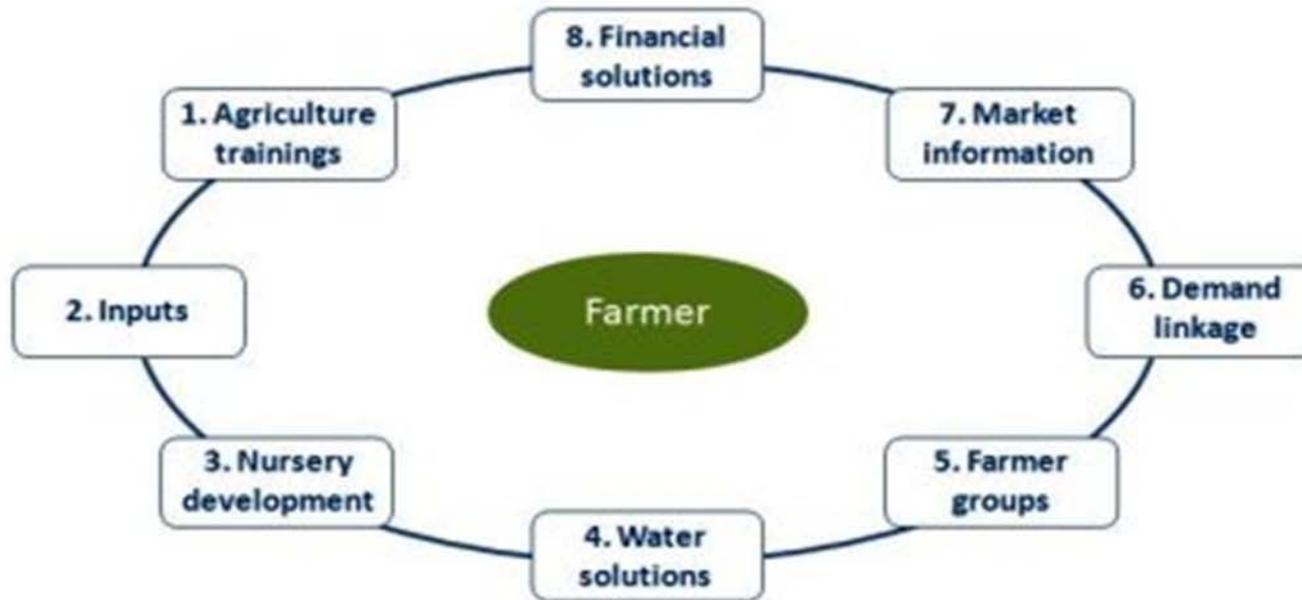
Chart 10.3: Global mobile cellular penetration, by region, 2009*



Note: * Estimate.

Source: ITU estimates based on World Telecommunication/ICT Indicators database.

The Reality & The Challenge



The Reality & The Challenge



Will the market address these issues?



85% = 2050

Will the market address these issues?



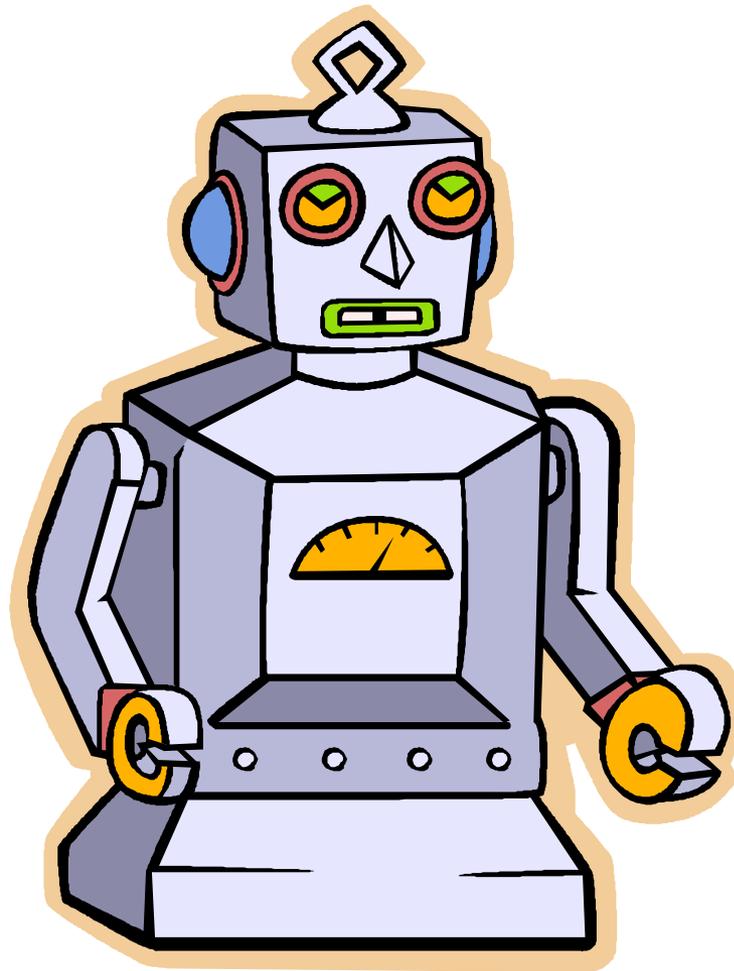
NOKIA



Will the market address these issues?



The future of agricultural extension?



The future of agricultural extension?



The Challenge of Agricultural Extension



- **THE HUMAN FACTOR – TRUST**
 - The signal biggest indicator of success in community worker platforms is the level of perceived trust between the worker and the beneficiary
- **Consistent messaging**
- **Varying degrees of the access to infrastructure**
- **Information asymmetry**
 - Different challenges over varying environmental conditions
 - Varied data collection feeds and measures

The Great Lakes Cassava Initiative

Opportunity

- Develop common, scalable education and data collection solutions that
 - Help build local capacity
 - Operate in extreme environments
 - Support varying levels of internet access
- Leverage cost-effective components that have been used successfully in for-profit and non-profit environments
 - Low cost rugged laptops (Intel)
 - Learning management system (Agilix)
 - Electronic forms capture (FormRouter)
- Develop local business partnerships that support the use of this technology over time

Benefits

- Short-term benefits include:
 - Reduce costs associated with data collection and analysis, improve quality and timeliness of data
 - Standardize training, reduce cost of adaptation to local environments, provide tools for measuring its effectiveness
- Long-term benefits include:
 - Extend use of technology to extend CRS and partnership's outreach capabilities
 - Provide a comprehensive solution that can be easily adapted by CRS staff to address the full range of:
 - CRS' field, partner and household field data collection and M&E needs
 - CRS' field staff, partner, and beneficiary training needs

- **Integration of GIS data feeds and mapping for disease prevalence**
- **Locally adapted content**
- **Integrating, growing and evaluating 50 new cassava varieties**
- **In some regions, 70% - 100% rate of recovery**
- **Generating financial security**
- **Receiving agro-enterprise training**



INTEGRATED PLATFORMS THAT ACKNOWLEDGE THE RURAL GAP IN ACCESS AND CONNECTIVITY

- **Low Cost Internet Devices – Netbooks and NetTops – low cost and low power**
- **Smart Phone – The computers of the developing world – convenience and choice – low power**
- **Mobile applications – low cost, use specific applications and locally developed**
- **Cloud Computing – Opportunity for lower costs, scaled and replicated solutions; application to local partners**

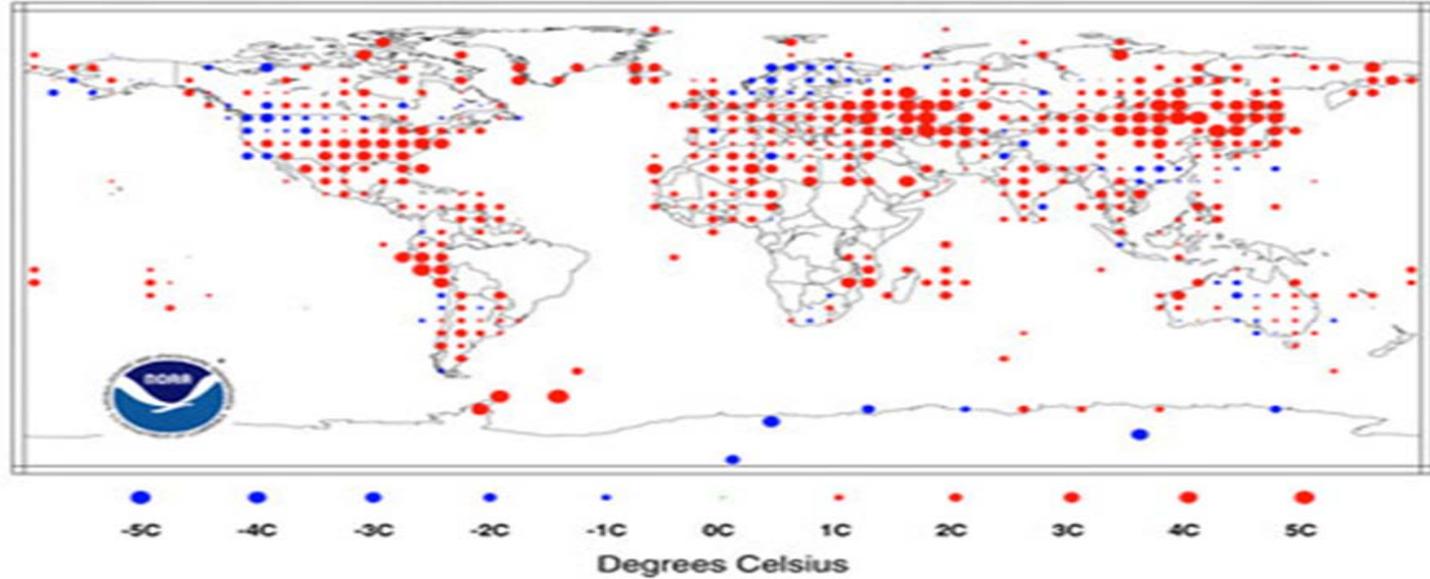
Climate kind of trains the boxer, but weather throws the punches. And what climate will do is help train weather to throw certain punches more often. We'll see these as extreme precipitation events, extreme droughts.

Deke Arndt, [State of the Climate in 2009](#), NOAA, July 28, 2010

Temperature Anomalies June 2010

(with respect to a 1961-1990 base period)

National Climatic Data Center/NESDIS/NOAA



WIFA – Weather Information for All

- Increase reliable weather and climate information for farmers throughout Africa
- Enable NMSs to improve their observations
- Demonstrates the benefit of improved weather and climate information services on agriculture production
- Integration into finance tools
- Integrated platform with mobile delivery
- Donor coordination and standards



40 BILLION

1 BILLION

20 MILLION

- **Failing to integrate ICT fails to acknowledge one of the greatest consumer trends and catalytic forces for sustained economic growth**
- **Technology is great BUT it is not a silver bullet . . . It is a tool to enhance the “human connection”**
- **Technology solutions should consider integrated platforms – mobile, occasionally connected, and PC**
- **Platforms provide us with the best chance of migrating away from one off solutions but will always have to be contextualized and localized**
- **The private sector sees a MARKET here – take advantage**

Thoughts, Feelings, Reflections?



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Mathew Taylor and Intel World Ahead support GBI, NGOs, and government agencies with trusted, strategic ICT advice.

Unlike many private partners, Intel does not bid or sell products or services for any project.

Instead, Intel benefits by making our ICT efforts successful which leads to wider technology adoption in the long term.

Mathew Taylor

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