

# Information and Communication Technologies for Extension



**ECHO Asia Conference** 

Chiang Mai, Thailand

October 6-8, 2015

Paul E. McNamara

Associate Professor, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign; Director, Modernizing Extension and Advisory Services Project (MEAS)



### **Outline**

- ICT overview
- Topics and questions about ICTs
- Challenges and benefits of ICTs
- Some examples of ICTs
- Group work on ICTs
- Wrap up

#### **ICTs definition**

 Information and Communications Technology is an umbrella term that includes all types of technologies for the communication of information. It encompasses any medium to record and broadcast information, as well as technologies for communicating information through voice, sound, and/or images. Information technology (IT) has become a hub for communicating information, most often using computers. Begin with the audience in mind

#### **ICTs definition**

"ICT (information and communications technology - or technologies) is an umbrella term that includes any communication device or application, encompassing: radio, television, cellular phones, computer and network hardware and software, satellite systems and so on, as well as the various services and applications associated with them, such as videoconferencing and distance learning. ICTs are often spoken of in a particular context, such as ICTs in education, health care, or libraries. The term is somewhat more common outside of the United States.

## **ICTs (MEAS glossary)**

According to the European Commission, the importance of ICTs lies less in the technology itself than in its ability to create greater access to information and communication in underserved populations. Many countries around the world have established organizations for the promotion of ICTs, because it is feared that unless less technologically advanced areas have a chance to catch up, the increasing technological advances in developed nations will only serve to exacerbate the already-existing economic gap between technological "have" and "have not" areas. Internationally, the United Nations actively promotes ICTs for Development (ICT4D) as a means of bridging the digital divide. (retrieved 9/21/2010 from http://searchciomidmarket.techtarget.com/sDefinition/0,,sid183\_gci928405,00.html)

# **ICT Principles from MEAS Work**

- · Begin with the audience in mind
- The technology is a tool
  - Take care that the ICT does not become the main focus – reaching farmers and linking farmers and assisting farmers should be the at the center
- Don't underestimate the need for staff capacity building and training with ICTs
- · Costs vary widely depending on ICT approach
- For NGOs and Farmer Associations, can start with print, radio, audio, video

# **Discussion: Questions**

 What questions do you have about information and communication technologies in agricultural extension?



Patricia Lazicki (former ECHO intern) conducting a training on soil testing and analysis for Ministry of Agriculture consultants (field staff) in Georgia by USAID-funded SEAS project

# **Discussion: Benefits and Challenges**

- What advantages and benefits do you observe in using information and communication technologies in your extension work?
- What challenges do you see in utilizing ICTs in your program with farmers?





#### Digital Green — Farmer Filmed Videos of Best Practices

- Digital Green India based NGO
- Farmer filmed videos of good agricultural practices
- A database of films that other farmers can view and learn from
- Low cost and substantial impact and learning from other farmers

#### Internet Assisted Extension Training Program

- Min of Agriculture (Govt of Kenya), CRS, and University of Illinois
- Extension workers trained in Five Skills (Smart Skills): Group management, financial management, marketing, natural resources and environment, and farmer learning
- Face to face training and internet-based Five Skills training using tablets

# **Farmbook**

- ICT tool to record extension work, track farm level data, help with farm business planning and gross margin analysis, feeds into M&E system
- Catholic Relief Services ICT tool developed over about 10 years
- Used in Malawi, Zambia, Kenya and other countries

# Your experiences

