# ICT for Administration of Land Tenure and Property Rights

ICT@USAID Series Presentation 8 February 2006 Kim G. Glenn, ARD, Inc.

### Overview

- Land Tenure and Property Rights Administration (5 minutes)
- ICT Tools (15 minutes)
- Lessons Learned from the Philippines, Albania, and East Timor (20 minutes)
- Discussion (20 minutes)

### Tenure and Property

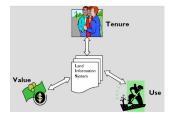
- Tenure = right to own or use
- Property = land and permanent immovable objects



Land Administration Systems
Register Rights and Identify Properties

#### Four Land Administration Functions

- 1. Tenure: specific rights to specific properties.
- 2. Use: define and enforce.



- **3. Value:** for taxation, appraisal to support land markets, leasing of state properties.
- **4. Information:** updating, protecting, and distributing.

### ICT Tools, but ...

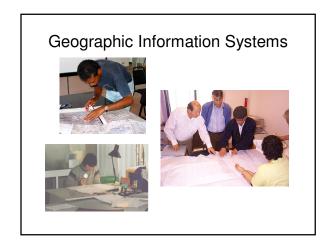
- · Computerized Databases
- Geographic Information Systems (GIS)
- · Aerial Photography
- · Remote Sensing
- Global Positioning Systems (GPS)
- · Digital Cameras
- Networks

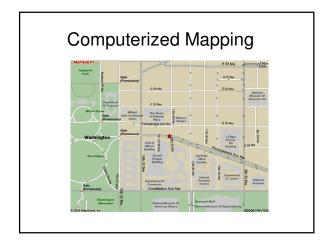
### **Databases**

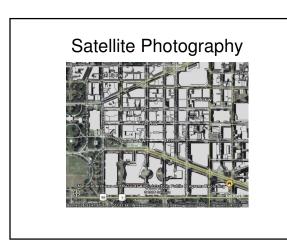
- Owners
- Value
- Technical Description
- Unique Property ID Number
- Transactions

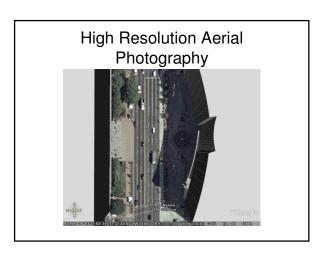




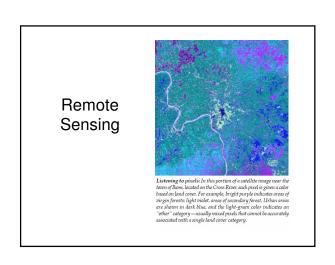




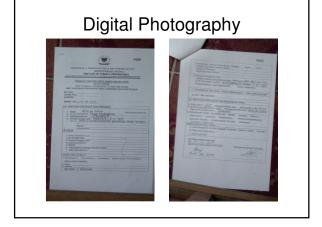


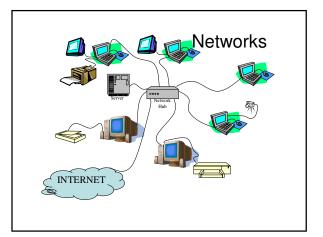






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ICT Tools, but ...

Information Systems often fail because the emphasis is on the technology, and not on those who are meant to use and benefit from it.

# Philippines Land Titling Computerization Project

- · Well-established "Torrens" system
- · Internally driven
- USTDA Technical Assistance
- · Private sector financed
- · Long-term implementation
- · Processes Re-engineered
- · Total conversion to digital media

### Albania

- · Post-conflict environment
- Transitioning from deeds to registry system
- · Heavily donor financed "First Registration"
- ICT's applied to initialize, but manual systems remain in place
- · Public information and education key
- Transparency dramatically reduced conflict

## **East Timor**

- · Post conflict
- Starting from scratch
- · Aerial photographs a key resource
- Restitution, compensation, claims resolution, privatization, all require "preliminary cadastre"
- Digital documentation

### Conclusion

- The technology is the easy part, the human context is the real challenge
- While expensive, high connectivity leads to essential synergies
- Digital technologies carry a bias towards transparency, a critical component of successful administration of land tenure and property rights