Global Strategy to Improve Agricultural and Rural Statistics

Strategic Directions and Challenges
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Overview

• What has been accomplished?
• What are the strategic directions?
• What are the challenges?
• What is the way forward?
What has been accomplished?

• UN Statistical Commission endorsed the Global Strategy
  – Technical Content and strategic directions
  – Directed following actions
• Develop Implementation Plan to integrate agriculture
  – Master Sample Frame
  – Integrated Survey Framework
  – Data Management System
• Establish
  – Technical Assistance and training programs
  – Research agenda
• Start with country Assessments
What are the strategic directions?

• Broadens Scope of Agricultural Statistics
  – Include aspects of Rural households, forestry, fishery

• Translates policy into statistical language
  – Connect farm holding and household to the natural environment—land

• Provides Conceptual Framework—three pillars
  – Minimum set of core
  – Integration of agriculture into national system
  – Sustainability through governance, capacity building
Pillar One: Minimum set of Core Data

• Start with Menu of Indicators
  – Data requirements and sources

• Data requirements for menu of indicators
  – 149 crops, 28 livestock species, 1,000+ fishery, etc.
  – Not all produced or important in every country

• Choice of minimum set of core data items
  – 15 commodities—95 percent of world production
  – Key economic, environmental, social indicators
  – Beginning point to implement global strategy
The second pillar
Integration into national system

- Coordinate data collections across sectors for agriculture, rural households, etc.
  - Eliminate duplication of work, conflicting estimates

- To achieve integration:
  - Develop Master Sample Frame for agriculture
  - Implement Integrated Survey Framework
  - Provide data management system for census, survey, administrative, and other data
More about integration of agriculture into national system

- Master Sample Frame Farms and households Geo-referenced to land cover/use
- Integrated Survey framework
- Indicators
- Data Management System
- Data Analysis
- Data dissemination
Statistics current status
-The Dilemma – who does what

- National Statistics Offices
- Ministry – Departments of Agriculture
- Land Management/Natural Resources Agencies
- Marketing Boards/Commissions
- Health, education agencies
- Development efforts by donors, WB

Each Collects data for own use with results that do not always agree – and limited ability to share data
The Third Pillar
Sustainability through governance and capacity building

• Establish governance structure to coordinate national statistical systems
• Formalize global, regional, national coordination
• Form national statistics council to:
  – Determine national set of core data
  – Develop master sample frame
  – Coordinate integrated survey system
  – Coordinate data management activities
UN Statistical Commission
(Friends of Chair)

National Statistical Offices

Global steering Committee

Global Coordinator (FAO)

Regional Coordinating Organizations (Structure determined by regions)

Technical Advisors

FAO and Ministries of Agriculture

National Statistical System
The Third Pillar
Statistical Capacity Building

• Country assessment of capacity
• National Strategies Development of Statistics
• Training
• Technical Assistance
• Research
The challenges

• Rebuild statistical capacity
  – Statistical methodology for sampling, survey design, data analysis
  – Data dissemination—advocacy
  – Uses of administrative and other data

• Implement new methodology
  – Master Sample frame, integrated survey

• Implement new technology
  – Remote sensing, GPS, PDA’s
Master Sample Frame Overview

- Digitized census enumeration areas
- Satellite imagery classified by Land use geo referenced
- Digitized administrative areas
- Farms & households pop census
- Farms & Households-Ag Census
- Register of commercial farms
- Area Frame

Multiple Frame
Integrated Survey Framework

Master Sample Frame
Farms and households Geo-referenced to land cover/use

Annual-periodic surveys

Supplemental surveys

Supply, utilization, Income & environmental accounts, food balances, other indicators

Administrative data
Remote Sensing
Agri-Business
Expert Judgment
Community Surveys

Data Management system
The Way Forward—Things to think about

• The Global Strategy is a long range plan just as was the implementation of the SNA
• Not everyone will start at the same place or move at the same pace
• The desire to improve and the spirit of teamwork that got us this far will carry the development forward.
So, What has been accomplished?

• A ground-breaking effort that began with ICAS-IV
• A collaborative effort with input from
  – Conferences
  – National, regional, international organizations

Reason to jump, shout, and cheer---**We did it!!!**