What information is needed to better inform policy on ongoing structural changes?

The case of farms monitoring systems in Vietnam

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Part 1.

INTERNATIONAL EXPERIENCES IN AGRICULTURE MONITORING SYSTEMS
International experiences in Livestock monitoring systems

Four types of monitoring systems

1. Individual animal recordings
2. Farms monitoring systems
3. Spacial/territorial monitoring tools
4. Market information systems (MIS)

Widely used in policy making
I. Individual animals recording schemes

- Standards produced by ICAR (International Committee for Animal Recordings)
- Genetic recording systems
  - Conformation, meat prod.
  - Dairy performances…
- Animal health surveillance systems
- Other purposes recordings
2. Farms monitoring system

- Regular **quantitative** surveys (representative sample of farms)
- **Quantitative** analyses (« typology of farms »)

Understanding the dynamics of the farms
2. Farms monitoring system

[Map showing livestock units by type across France]


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3. Spatial / territorial monitoring systems

- Ex.: Livestock & deforestation in Brazil

Amazonia region

1 dot = 50,000 heads

Source: Poccard et al.
3. Spatial / territorial monitoring systems

- Ex. : Livestock & deforestation in Brazil

Source : Poccard et al.
4. Market information systems

- Ex: International dairy prices

Part II.

DATA / INFORMATION
ALREADY AVAILABLE
IN VIETNAM
I. National statistics

- Commune
- District
- Province
- Country

Data on:

- **Agric. production** (land use, number of heads, production...)
- **Trade** (imports, exports...)
- **Prices** (inputs, outputs...)

...
2. In-depth national surveys

- Vietnam Household Living Standard Survey (VHLSS)
  - Demography, Education
  - Labour - Employment
  - Health and Healthcare
  - Income, Consumption expenditures
  - ...
  - (every two years : last survey in 2010)

- Rural household survey in 12 provinces
  - Labour and income
  - Land, property rights…
  - 2006 and 2008
3. Ad-hoc field surveys

- Partial Research studies
- Projects monitoring and evaluation studies
- Private data-bases
  - Feed industries
  - Business and marketing studies
4. Integrative models and tools

- Social Account Matrix (SAM)
- GIS data-base
- Web-sites
- Atlas
The « missing link » : what are the needed data and information?

- Information on production structures
- Long term evolutions
- Multi-dimension of farms activities
- Relations between farms, markets and territories
Part III.

PERSPECTIVES FOR A FARMS MONITORING SYSTEM IN VIETNAM
1. Setting up a farms monitor. system

- Building partnerships
  - MARD – IPSARD, CIRAD, INRA, Fao, and other institutes...

- Sectorial approach to start with...
  - Livestock farms « pilote » monitoring system
  - (MARD-IPSARD seminar in nov. 2010)
I. Setting up a farms monitoring system

- Farms monitoring system
- Regular quantitative surveys (representative sample of farms)
- Quantitative analyses (« typology of farms »)

Understanding the dynamics of the farms
I. Setting up a farms monitor. system

Regular farms quantitative survey

Representative Sample
- Taking into account the variability of prod. systems
- 30 farms x 10 selected districts

Annual survey:
- Ressources endowment
- Technical systems
- Economic efficiency and market performance
I. Setting up a farms monitor system

- Indepth qualitative analysis
  - Small number of farms (selected farms)
  - Understanding strategies

- Integrating other parameters:
  - Technical constraints (animal performances, feed constraints, etc.)
  - Market access
  - Local environment factors (access to resources...)
2. Generating information and dialogue

- Regular Bulletin
- Web-site
- Results discussion
  - District
  - Province
  - National (Conferences)
3. Building integrative models and simulation tools
Conclusion

- What are the most efficient farms?
  - In terms of production costs;
  - Management of environmental externalities;
  - Valorization of local feed resources
  - Employment generation
  - Market competitiveness

- What needs for policy?
Thanks for your attention

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