VDSA Household Survey Data: An Introduction

by

VDSA Data Management Team

Presented at the Virtual Conference of Village Dynamics Studies in South Asia (VDSA) Data Users

3 September 2013
ICRISAT, Patancheru, India
ICRISAT-NCAP-IRRI

Village Dynamics Studies
Objectives of the Conference

• To have direct interaction among VDSA data users and the VDSA team

• To identify problems faced by the data users and provide pro-active support

• To get feedback on use and user friendliness of the VDSA data
Village Dynamics Studies

- The longitudinal Village Level Studies of ICRISAT have for about four decades provided profound insights into the social and economic changes in the village and household economies in the semi-arid tropics of Asia and Africa.

- The Village Dynamics Studies in South Asia, supported by the Bill & Melinda Gates Foundation (BMGF), has given an impetus to ICRISAT’s efforts to break the vicious cycle of hunger and poverty through better-informed decisions that will improve the plight of small farmers in the semi-arid and humid tropics.
Village Dynamics Studies

- By providing insights and development pathways to identify and understand
  - socio-economic,
  - agro-biological,
  - policy and institutional constraints to agricultural development
- through improved time series meso and micro data,
- it will enable decision making based on evidence on impacts on the poor.
Vision of the VDSA Project

The voices of the poor will be heard and grassroots level insights will inform programs and policies that help smallholder farmers lift themselves out of poverty, alongside helping shape future agricultural development strategies.

Village Dynamics Studies
Objectives of the VDSA Project

• Enhance availability of household survey data

• Increase availability of meso-level data

• Nurture policy analysis and strengthen capacity in policy research and policy influencing activities
Village Dynamics Studies

Observation
Farm level
Meso level

Q2 Analysis

Insights

Platform Dialogue

Policy entry points

International Crops Research Institute for the Semi-Arid Tropics
The longitudinal Village Level Studies of ICRISAT have for over three decades provided profound insights into the social and economic changes in the village and household economies in the semi-arid tropics of Asia and Africa. The Village Dynamics Studies in South Asia, supported by the Bill & Melinda Gates Foundation (BMGF), has given an impetus to ICRISAT's efforts to break the vicious cycle of hunger and poverty through better-informed decisions that will improve the plight of small farmers in the semi-arid and humid tropics. By providing insights and development pathways to identify and understand socio-economic, agro-biological, policy and institutional constraints to agricultural development through improved time series meso and micro data, it will enable decision making based on evidence on impacts on the poor.
Evolution of VLS: 1975 - 2013


6 villages in Andhra Pradesh and Maharashtra, India

2009 onwards

42 villages in India and Bangladesh

6- villages in Andhra Pradesh and Maharashtra, India

International Crops Research Institute for the Semi-Arid Tropics
Established in 42 VLS villages: SAT India, East India and Bangladesh
Three Sets of Panel Data

- 6 SAT villages
  - 2012: (6)
  - 2009: (6)
  - 2004: (6)
  - 2001: (6)
  - 1985: (6)
  - 1975: (6)

- 12 New SAT Villages
  - 2012: (12)
  - 2009: (12)
  - 2004: (12)
  - 2001: (12)
  - 2000: (12)
  - 1988: (12)

- 12 East India Villages
  - 2012: (12)
  - 2009: (12)
  - 2004: (12)
  - 2001: (12)
  - 2000: (12)
  - 1988: (12)

- 12 Bangladesh Villages
  - 2012: (12)
  - 2009: (12)
  - 2004: (12)
  - 2001: (12)
  - 2000: (12)
  - 1988: (12)
VDSA Household Survey Data

• SAT India (6 Traditional villages):
  • Generation II: 2001 to 2011

• SAT India (12 New villages):
  • 2009 to 2011

• East India: 2010 and 2011

• Bangladesh data:
  • 62 villages, led by Dr. Mahabub Hossain
    • IRRI-BIDS-Scio-consult: 1988, 2000, 2004
    • BRAC: 2008
  • 12 villages under VDSA project: 2009 to 2011
Modules for Household Survey

- A: Household Census Schedule
- GES: General Endowment Schedule
- D: Plot List and Cropping Pattern Module
- K: Employment Module
- L: Transaction Module
- M: Monthly Price Module
- Y: Cultivation Module
- Z: Livestock Module
- Daily Rainfall Data
GES: General Endowment Schedule

1. Building
2. Consumer and other Durables
3. Government Assistance
4. Family Composition
5. Farm Equipment
6. Financial Assets and Liabilities
7. General Information
8. Landholding Details
9. Livestock Inventory
10. Operational Holding
11. Proactive Measures
12. Ranking of Market and other Information
13. Reliability Ranking
14. Role of Gender in Crop Cultivation
15. Role of Gender in Resource ownership and Decision making
16. Stock Inventory
VDSA Household Survey

Government Development Programs
1. Government Development Programs

Coping Mechanisms
1. Coping Mechanisms
VDSA Household Survey

L: Transaction Module
1. Expenditure of food and non-food items
2. Financial Transactions
3. Loans
4. Sale of crop and livestock products
5. Sale and Purchase of Capital assets

Z: Livestock Module
1. Livestock Economics
2. Purchase of fodder and feeds
VDSA Household Survey

K: Employment Module
1. Employment

D: Plot List and Cropping Pattern Module
1. Plot list

Y: Cultivation Module
1. Cropping Pattern and Output details
2. Cultivation input details
VDSA Household Survey

M: Monthly Price Module
1. Commodities
2. Machines
3. Other Commodities
4. Transport
5. Wages (2005 onwards)

Daily Rainfall Module
1. Daily Rainfall Data
## Sample size for each village

<table>
<thead>
<tr>
<th>Landholding Groups</th>
<th>Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor/ Landless</td>
<td>10</td>
</tr>
<tr>
<td>Small</td>
<td>10</td>
</tr>
<tr>
<td>Medium</td>
<td>10</td>
</tr>
<tr>
<td>Large</td>
<td>10</td>
</tr>
<tr>
<td>All</td>
<td>40</td>
</tr>
</tbody>
</table>

PLUS split households
Frequently Asked Questions (FAQs)
FAQ 1:
I had tried to login for several times but failed. Can you tell me the procedure for proper login and accessing the database?

Answer:
Please use your registered name as it is in the data request form (with the same case) as username and password provided to login and access the database.
FAQ 2::
How to match the household IDs of the years 2001-2004 to the households of 2005 onwards?

Answer:
Please download the file ‘Master list linking households’ available on the link http://vdsa.icrisat.ac.in/Include/Document/Masterlist1.xls which enables linking of all the households across the years.
Frequently Asked Questions (FAQs)

FAQ 3:
I have been looking at the ICRISAT data, as well as the documentation, and having trouble in finding individual level consumption data.

Answer:
We have consumption data at household level in the Transaction (L) module.
FAQ 4:
I have read in one of the documentations online that STATA datasets are available for the years between 2005 & 2009. However, the data that I could see via this login is all in excel format. How I can access the STATA datasets as well?

Answer:
We are providing the source data only in excel format.
Frequently Asked Questions (FAQs)

FAQ 5: How do I calculate income?

• Farm Income
  • Crops (Y module)
  • Livestock (Z module)
  • Farm Labour (K module)
  • Income from Fishing (K module)
  • Income from Farm Labour due to Migration (K module)

• Non-Farm Income
  • Salaried Job (K module)
  • Caste Occupation (K module)
  • Business (K module)
  • Income from Common Property Resources (CPR) (K module)
  • Income from other non-farm sources (K module)
  • Rental Income (K and L modules)
  • Gifts and Remittances (L module)
  • Savings and Interest received on deposits (L module)
Thank You for Your Attention