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
Science with a human face
International Crops Research Institute for the Semi-Arid Tropics
IRRI
International Rice Research Institute
भाकृअनुप
ICAR

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

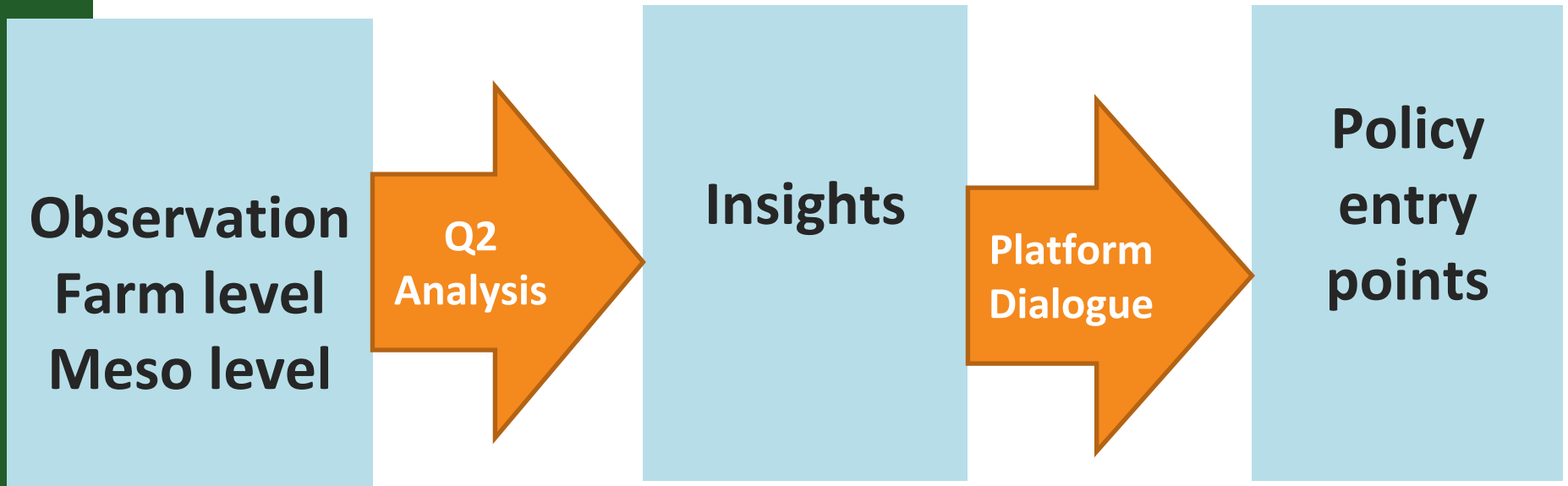
the **voices of the poor will be heard** and grassroots level insights will inform programs and policies that help smallholder farmers lift themselves out of poverty, alongside helping shape future agricultural development strategies

Village Dynamics Studies

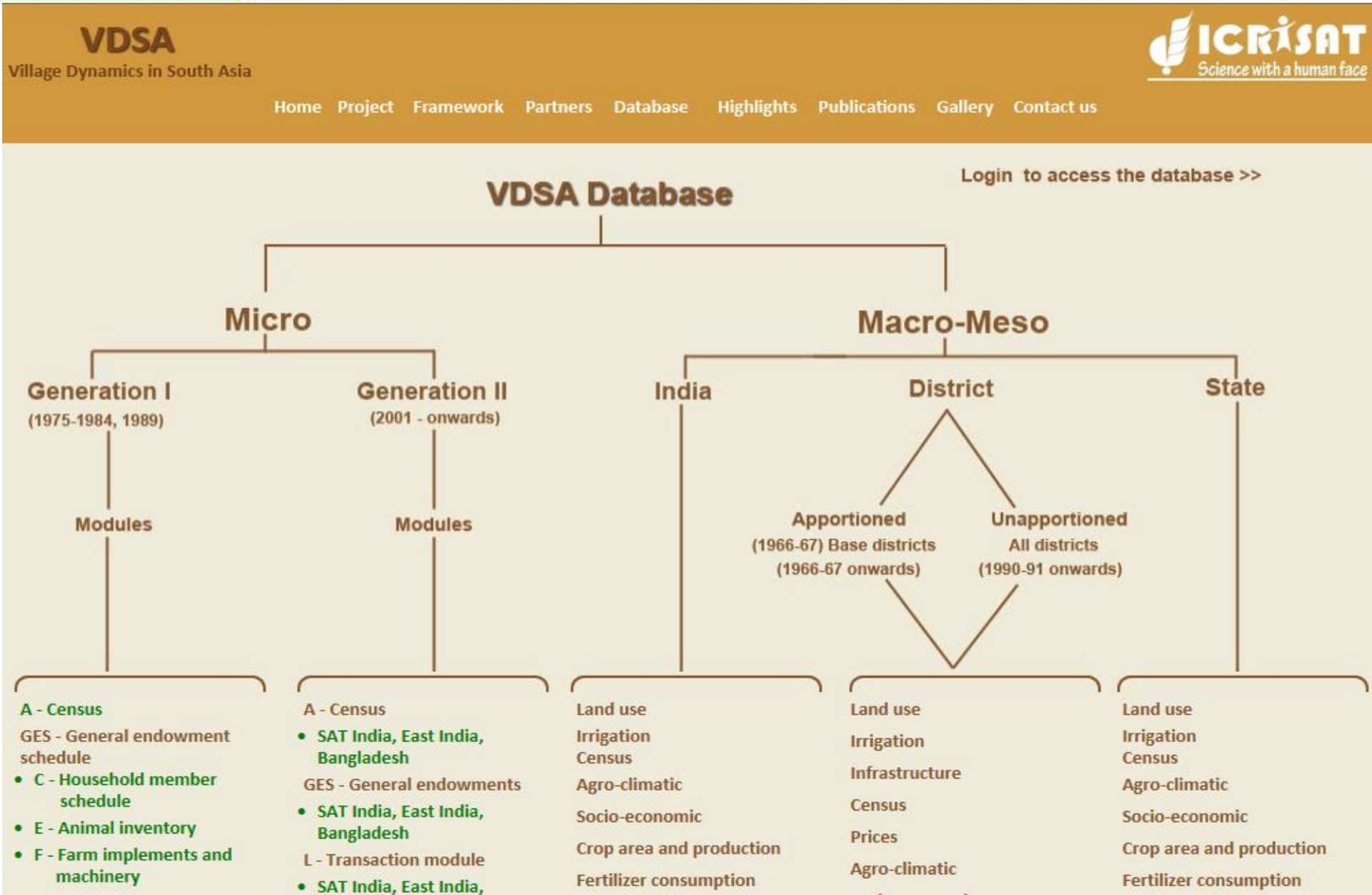
Objectives of the VDSA Project

- 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



VDSA Databases



VDSA website

VDSA
Village Dynamics in South Asia

ICRISAT
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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. >>

VDSA Database
VDSA Locations

Partners

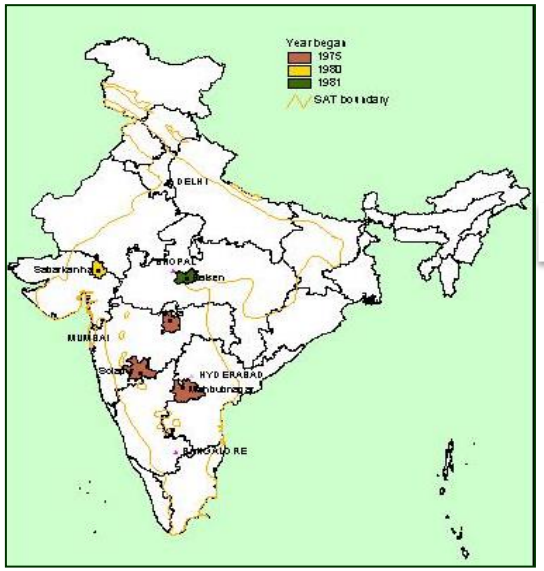
BILL & MELINDA GATES *foundation*

IRRI
INTERNATIONAL RICE RESEARCH INSTITUTE

ICAR
National Centre for Agricultural Economics and Policy Research (NCAP)

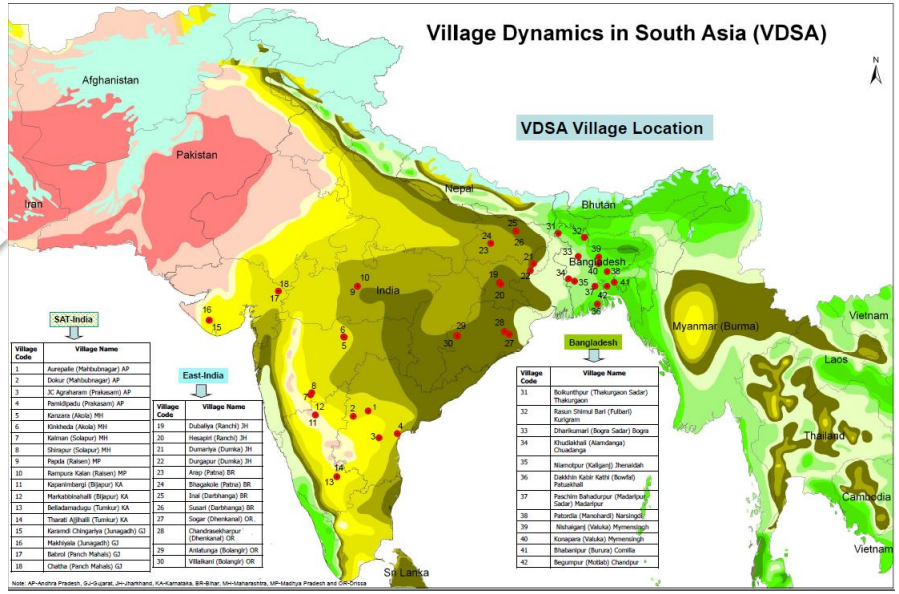
Evolution of VLS: 1975 - 2013

1975-1984, 1989, 2001-2008



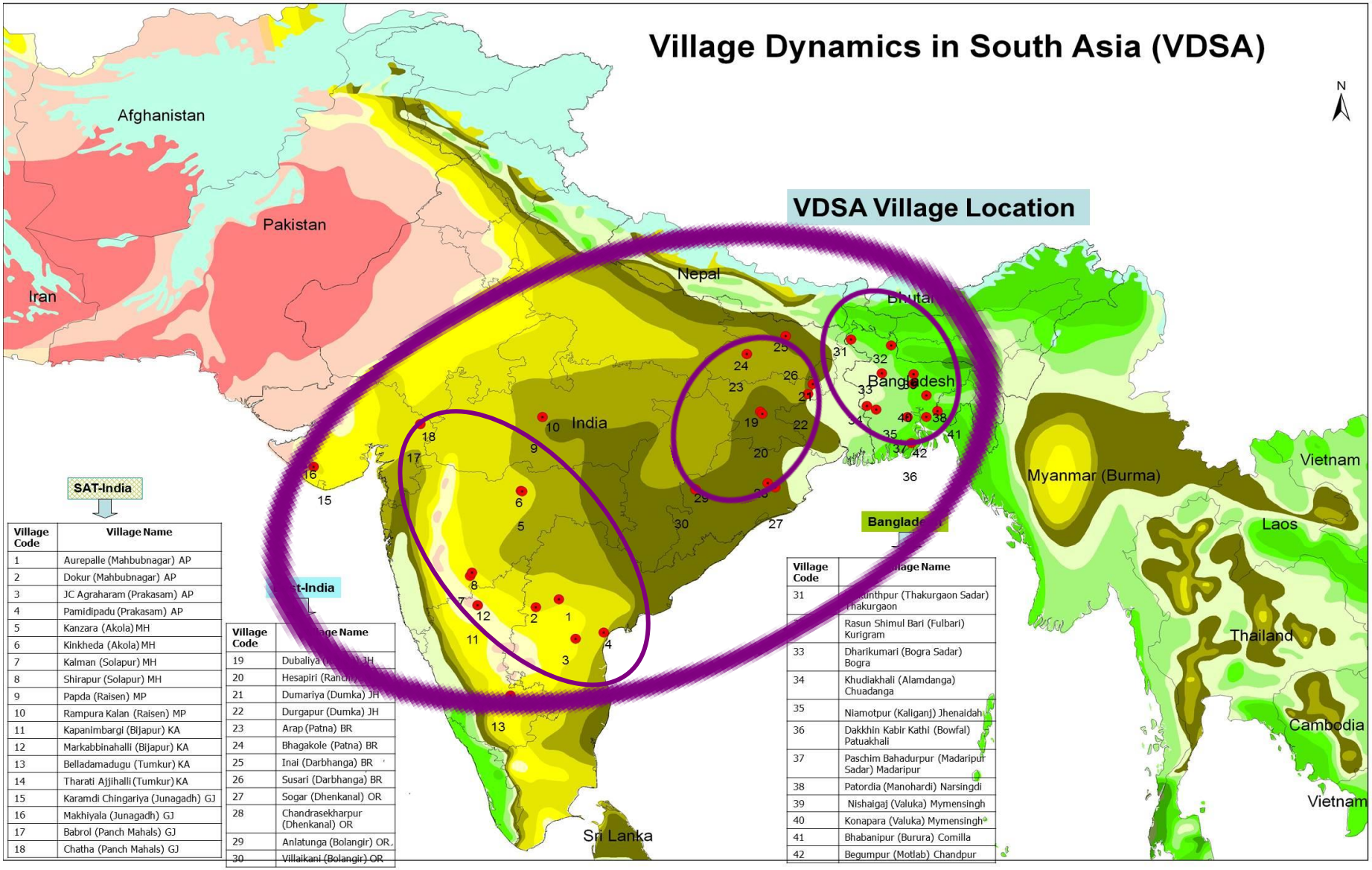
6- villages in Andhra Pradesh and Maharashtra, India

2009 onwards



42- villages in India and Bangladesh

Established in 42 VLS villages: SAT India, East India and Bangladesh



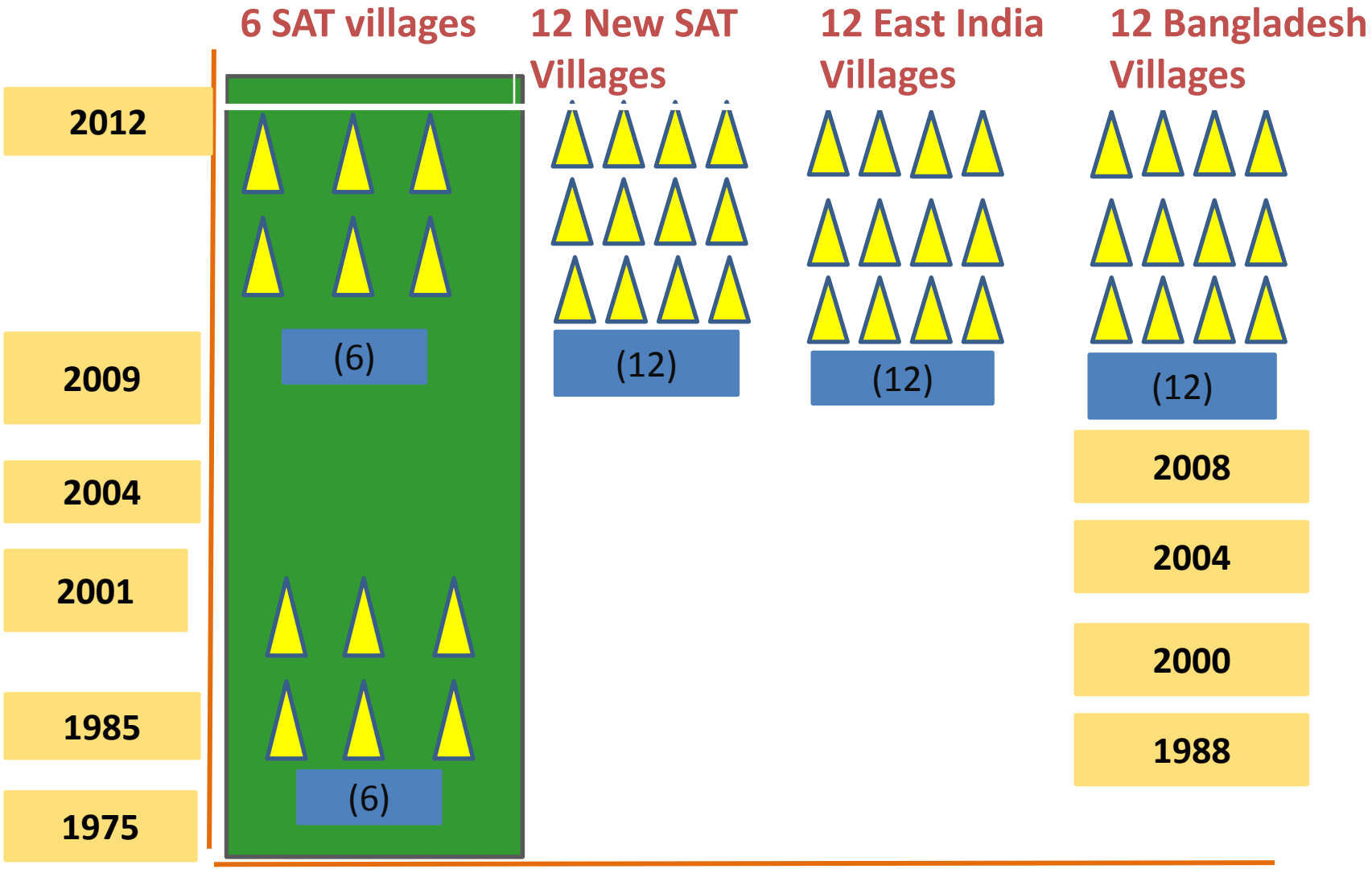
Village Code	Village Name
1	Aurepalle (Mahbubnagar) AP
2	Dokur (Mahbubnagar) AP
3	JC Agraharam (Prakasam) AP
4	Pamidipadu (Prakasam) AP
5	Kanzara (Akola) MH
6	Kinkheda (Akola) MH
7	Kalman (Solapur) MH
8	Shirapur (Solapur) MH
9	Papda (Raisen) MP
10	Rampura Kalan (Raisen) MP
11	Kapanimbargi (Bijapur) KA
12	Markabbinahalli (Bijapur) KA
13	Belladamadugu (Tumkur) KA
14	Tharati Ajjihalli (Tumkur) KA
15	Karamdi Chingariya (Junagadh) GJ
16	Makhiyala (Junagadh) GJ
17	Babrol (Panch Mahals) GJ
18	Chatha (Panch Mahals) GJ

Village Code	Village Name
19	Dubaliya (...) JH
20	Hesapiri (Ranchi) ...
21	Dumariya (Dumka) JH
22	Durgapur (Dumka) JH
23	Arap (Patna) BR
24	Bhagakole (Patna) BR
25	Inai (Darbhanga) BR
26	Susari (Darbhanga) BR
27	Sogar (Dhenkanal) OR
28	Chandrasekharpur (Dhenkanal) OR
29	Anlatunga (Bolangir) OR
30	Villaikani (Bolangir) OR

Village Code	Village Name
31	...kunthpur (Thakurgaon Sadar) Thakurgaon
	Rasun Shimul Bari (Fulbari) Kurigram
33	Dharikumari (Bogra Sadar) Bogra
34	Khudiakhali (Alamdanga) Chuadanga
35	Niamotpur (Kaliganj) Jhenaidah
36	Dakkhin Kabir Kathi (Bowfal) Patuakhali
37	Paschim Bahadurpur (Madaripur Sadar) Madaripur
38	Patordia (Manohardi) Narsingdi
39	Nishaigaj (Valuka) Mymensingh
40	Konapara (Valuka) Mymensingh
41	Bhabanipur (Burura) Comilla
42	Begumpur (Motlab) Chandpur

Note: AP Andhra Pradesh, GJ Gujarat, JH Jharkhand, KA Karnataka, BR Bihar, MH Maharashtra, MP Madhya Pradesh and OR Orissa

Three Sets of Panel Data



VDSA Household Survey Data

- **SAT India (6 Traditional villages):**
  - Generation I: 1975-1984 and 1989.
  - 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

Landholding Groups	Sample Size
Labor/ Landless	10
Small	10
Medium	10
Large	10
All	40

PLUS split households

Frequently Asked Questions (FAQs)

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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.

Frequently Asked Questions (FAQs)

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.

Frequently Asked Questions (FAQs)

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

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