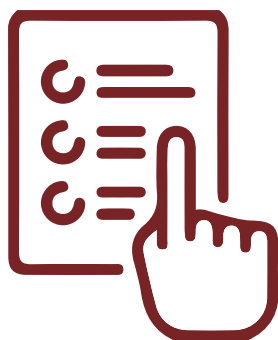# RHoMIS

Rural Household Multi-Indicator Survey

An advanced system to monitor farm management, livelihoods, human welfare, and sustainability indicators. To be used in rural households in lower and middle income countries.

customisable questionnaire | digital infrastructure | advanced analysis

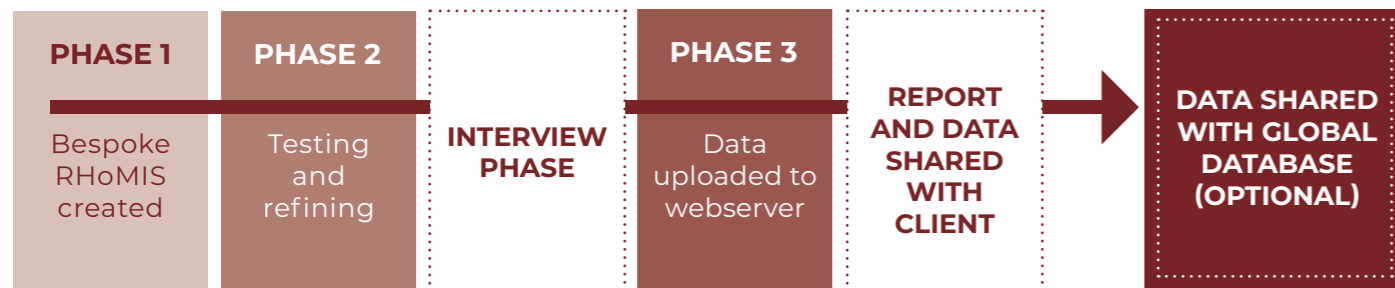# RHoMIS
Rural Household Multi-Indicator Survey

THE RHoMIS SURVEY

The RHoMIS survey is designed to be conducted on an Android device. It contains a number of core modules on farming practice, livelihoods, and food security, and optional bolt-on modules covering a wide range of topics. The core survey typically takes 35 to 45 minutes to complete.
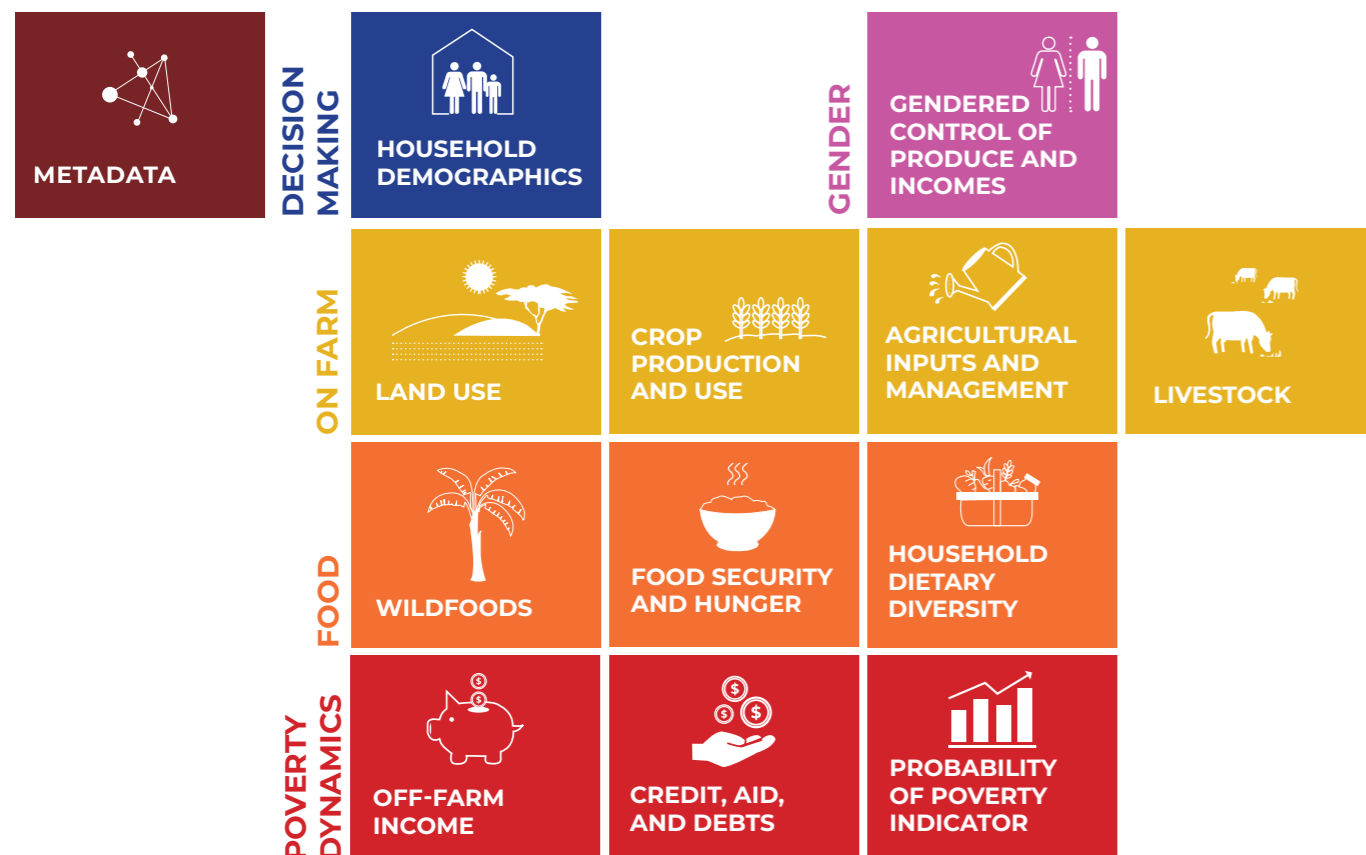
RHoMIS is available to use in research projects, development programs, and for collection of official statistics.

The questionnaire is available in eight languages: ARABIC | ENGLISH | FRENCH | HINDI | KHMER | KISWAHILI | KINYARWANDAN, AND SPANISH and has been deployed to date in 27 countries.

The survey, web infrastructure, and analysis code are all built from open source software.
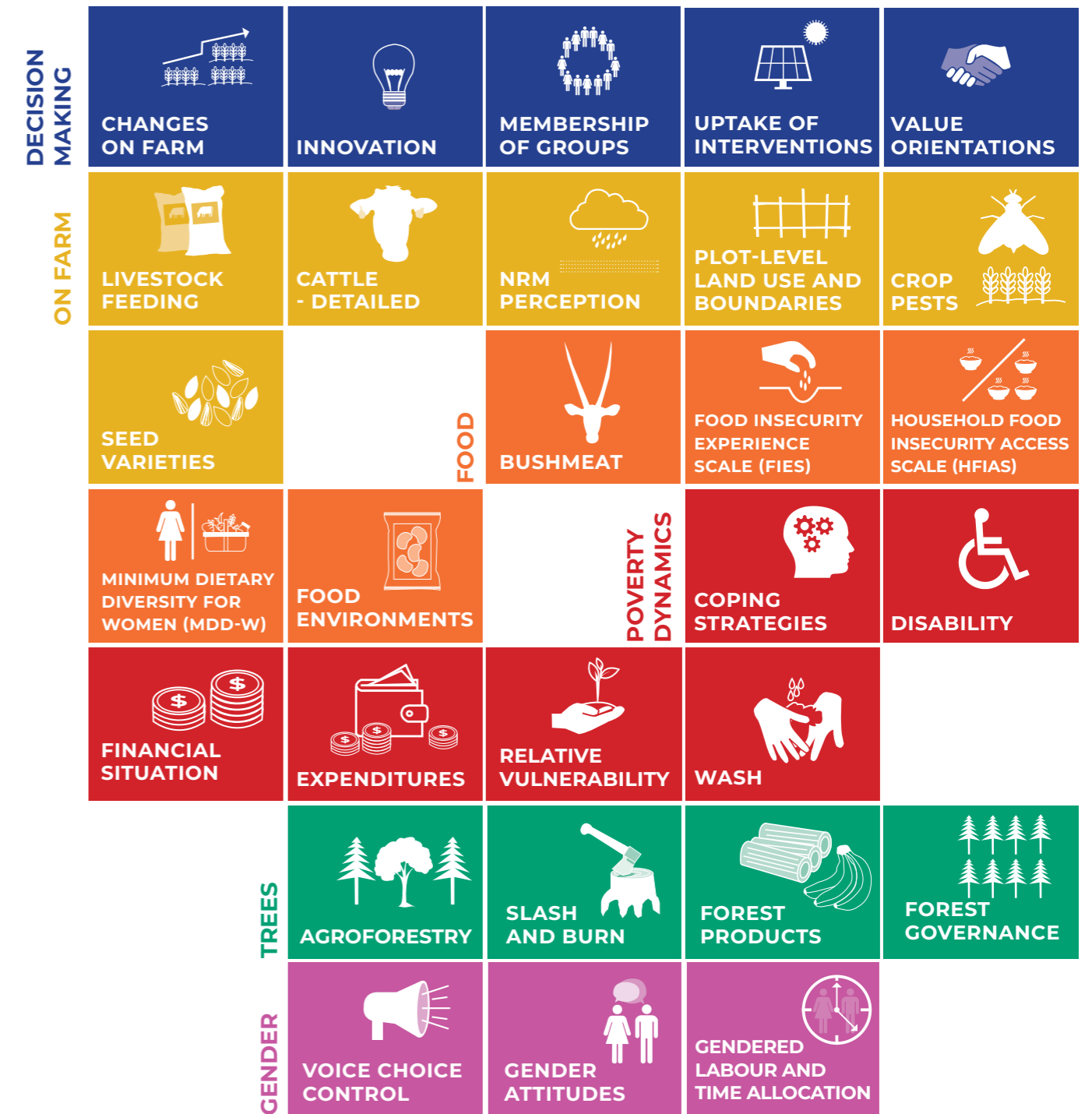**The process of developing the survey is illustrated here:**

PHASE 1	PHASE 2	INTERVIEW PHASE	PHASE 3	REPORT AND DATA SHARED WITH CLIENT	DATA SHARED WITH GLOBAL DATABASE (OPTIONAL)
Bespoke RHoMIS created	Testing and refining		Data uploaded to webserver		

THERE ARE **CORE MODULES** IN EACH SURVEY:

METADATA

DECISION MAKING
- HOUSEHOLD DEMOGRAPHICS

GENDER
- GENDERED CONTROL OF PRODUCE AND INCOMES

ON FARM
- LAND USE
- CROP PRODUCTION AND USE
- AGRICULTURAL INPUTS AND MANAGEMENT
- LIVESTOCK

FOOD
- WILDFOODS
- FOOD SECURITY AND HUNGER
- HOUSEHOLD DIETARY DIVERSITY

POVERTY DYNAMICS
- OFF-FARM INCOME
- CREDIT, AID, AND DEBTS
- PROBABILITY OF POVERTY INDICATOR

AND THERE ARE **OPTIONAL MODULES:**

The survey is adapted to suit the local context in each project, as such a range of optional modules have been developed.

There is no cap on number of modules but it is recommend that the survey does not last more than 90mins, with 60mins being optimal.

DECISION MAKING
- CHANGES ON FARM
- INNOVATION
- MEMBERSHIP OF GROUPS
- UPTAKE OF INTERVENTIONS
- VALUE ORIENTATIONS

ON FARM
- LIVESTOCK FEEDING
- CATTLE - DETAILED
- NRM PERCEPTION
- PLOT-LEVEL LAND USE AND BOUNDARIES
- CROP PESTS
- SEED VARIETIES

FOOD
- BUSHMEAT
- FOOD INSECURITY EXPERIENCE SCALE (FIES)
- HOUSEHOLD FOOD INSECURITY ACCESS SCALE (HFIAS)
- MINIMUM DIETARY DIVERSITY FOR WOMEN (MDD-W)
- FOOD ENVIRONMENTS

POVERTY DYNAMICS
- COPING STRATEGIES
- DISABILITY
- FINANCIAL SITUATION
- EXPENDITURES
- RELATIVE VULNERABILITY
- WASH

TREES
- AGROFORESTRY
- SLASH AND BURN
- FOREST PRODUCTS
- FOREST GOVERNANCE

GENDER
- VOICE CHOICE CONTROL
- GENDER ATTITUDES
- GENDERED LABOUR AND TIME ALLOCATION

THEME COLOUR KEY ■ Decision Making ■ On Farm ■ Food ■ Poverty Dynamics ■ Trees ■ Gender

RHoMIS
Rural Household Multi-Indicator Survey

1 METADATA

Enumerator data, time and date, location, GPS, consent, enumerator notes

- Date of interview
- Duration
- GPS
- Enumerator sex

(4) EN | FR | ES | HI | AR | SW | KM | RW

2 HOUSEHOLD DEMOGRAPHICS

Name, sex, age, education, h/h population

- Household members
- Male adult equivalent members
- Marital status
- Education of head
- Age of head
- Sex of respondent

(4) EN | FR | ES | HI | AR | SW | KM | RW

3 LAND USE

Tenure, cultivation, land area, slope, labour

- Land area cultivated
- Land area owned
- If labour hired on farm
- Land slope perception
- Tree use

(15 LIFE ON LAND) (5) EN | FR | ES | HI | AR | SW | KM | RW

7 WILDFOODS

Gathering, types, time of year, processing, sales

- Which months wildfoods collected
- Which foodstuffs
- Proportion consumed or sold

(2 ZERO HUNGER) (15 LIFE ON LAND) (4) EN | FR | ES | HI | AR | SW | KM | RW

8 FOOD SECURITY AND HUNGER

Hunger months, HFIAS or FIES indicator

- Months of lean season
- Worst month, best month
- HFIAS or FIES

(2 ZERO HUNGER) (4) EN | FR | ES | HI | AR | SW | KM | RW

9 HOUSEHOLD DIETARY DIVERSITY

HDDS score during lean and post-harvest seasons, and sourcing of foodstuffs

- Household Dietary Diversity Score, during lean season and good season ● Optional Individual 24 hour deitary diversity score ● Source of food groups during lean and good seasons

(2 ZERO HUNGER) (5 GENDER EQUALITY) (5) EN | FR | ES | HI | AR | SW | KM | RW

4 CROP PRODUCTION AND USE

Crop types, planting seasons, yield, use of land, post-harvest, sales, residues, crop products, planning

- All field crops, vegetables and fruits grown in last year ● For most important crops: crop area, crop yield ● Farmer's perception of harvest ● Proportion of crop consumed and sold ● Sale prices ● Use of crop residues ● Income ● Total Value of Activities ● Food Availability

(15 LIFE ON LAND) (10) EN | FR | ES | HI | AR | SW | KM | RW

5 AGRICULTURAL INPUTS AND MANAGEMENT

Fertilisers, pesticides, improved seed, storage, irrigation, agroforestry, tillage

- Total amount and types of nitrogenous fertiliser used, and on which crops ● Use of manure, compost, pesticides, improved seed - per crop only, not total amount ● Soil tillage practices ● Irrigation crops, method, and months ● Crop storage method

(2 ZERO HUNGER) (5) EN | FR | ES | HI | AR | SW | KM | RW

6 LIVESTOCK

Livestock types, numbers, grazing land, pens/stabling, use of animals, buying, selling, slaughtering, eating, medicine, dairy/egg/honey/wool

- Heads of livestock species
- If improved/local breeds
- Number sold and sale price
- Use of meat, milk, eggs
- Use of medicinal inputs
- Income
- Total Value of Activities
- Food Availability

(2 ZERO HUNGER) (10) EN | FR | ES | HI | AR | SW | KM | RW

10 OFF-FARM INCOME

Sources of income, time of year, planning, spending

- Incomes
- Total Value of Activities
- Food Availability

(1 NO POVERTY) (7) EN | FR | ES | HI | AR | SW | KM | RW

11 GENDERED CONTROL OF PRODUCE AND INCOMES

Gendered and youth decision making over incomes and produce, at aggregate and commodity levels

- Gendered and youth decision making over incomes and farm production

(7) EN | FR | ES | HI | AR | SW | KM | RW

12 CREDIT, AID, AND DEBTS

Government/NGO assistance, support from friends, type of aid, access to credit

- Aid received
- Gifts received

(1 NO POVERTY) (4) EN | FR | ES | HI | AR | SW | KM | RW

KEY:

TIME TO COLLECT MODULE: (4) Indicates the number of minutes to complete the module
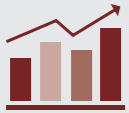
SDGS RHOMIS HELPS TO REPORT ON:

1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 5 GENDER EQUALITY | 6 CLEAN WATER AND SANITATION | 7 AFFORDABLE AND CLEAN ENERGY | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY INNOVATION AND INFRASTRUCTURE | 10 REDUCED INEQUALITIES | 11 SUSTAINABLE CITIES AND COMMUNITIES | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | 13 CLIMATE ACTION | 14 LIFE BELOW WATER | 15 LIFE ON LAND | 16 PEACE, JUSTICE AND STRONG INSTITUTIONS | 17 PARTNERSHIPS FOR THE GOALS

INDICATORS THIS MODULE MEASURES: (location pin icon)

LANGUAGES MODULE AVAILABLE IN:
EN: English, **FR:** French, **ES:** Spanish, **HI:** Hindi, **AR:** Arabic, **SW:** Kiswahili, **KM:** Khmer, **RW:** Kinyarwanda

13 PROBABILITY OF POVERTY INDICATOR

Asset-based rapid poverty indicator

- Likelihood household is below poverty line

(4) EN | FR | ES | HI | AR | SW | KM | RW

ADDITIONAL MODULES:

17 CATTLE DETAILED

Herd structure, age, sex, breeding, milking, diseases and health treatments

- Herd structure
- Age
- Sex
- Breeding
- Milking
- Diseases and health treatments

(15) EN

18 CHANGES ON FARM

Changes over past few years: land, crop types and yields, inputs, livestock, sales, incomes, off farm work, reasons for changes

- Changes over past few years:
- Land ● Crop types and yields,
- Inputs ● Livestock ● Sales
- Incomes ● Off farm work
- Reasons for changes

(7) EN

19 COPING STRATEGIES

Coping strategy index (CSI), changes of food access over the year

- Coping strategy index (CSI)
- Changes of food access over the year

(5) EN | FR

14 AGROFORESTRY

Use of trees, quantity of trees used, species, management.

- Use of trees
- Quantity of trees used
- Species
- Management

(7) EN

15 LIVESTOCK FEEDING

Type of feed, grazing, bought feeds

- Type of feed
- Grazing
- Purchased feeds

(3) EN

16 BUSHMEAT

Hunting and trapping, species, and frequency

- Hunting and trapping
- Species, and frequency

(7) EN

20 DISABILITY

Quantification of disabled individuals in household (Washington Group questions)

- Quantification of disabled individuals in household (Washington Group questions)

(4) EN

21 FIES

Food Insecurity Experience Scale (FIES)

- Food Insecurity Experience Scale

(4) EN | SW

22 HFIAS

Household Food Insecurity of Access Scale (HFIAS)

- Household Food Insecurity of Access Scale (HFIAS)

(4) EN | SW

KEY:

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SDGS RHOMIS HELPS TO REPORT ON:

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23 MDD-W

Minimum Dietary Diversity for Women (open recall or closed categories)

- Minimum Dietary Diversity for Women (open recall or closed categories)

(4) EN | SW

24 FINANCIAL SITUATION

Self-identified purchasing power

- Self-identified purchasing power

(2) EN | FR

25 FOOD ENVIRONMENTS

Market access, packaged food

- Market access
- Packaged food

(4) EN | SW

29 NRM PERCEPTION

Change of experience relating to soil, water, weather, fauna, trees

- Change of experience relating to soil, water, weather, fauna, trees

(4) EN | KM

30 RELATIVE VULNERABILITY

Vulnerability to shocks compared to neighbours

- Vulnerability to shocks compared to neighbours

(5) EN | KM

31 SLASH AND BURN

Clearing land, change of use, fallow practices

- Clearing land, change of use, fallow practices

(4) EN

26 INNOVATION

Farm plans, adoption of new technologies, aspirations, life satisfaction

- Farm plans
- Adoption of new technologies
- Aspirations
- Life satisfaction

(4) EN

27 EXPENDITURES

Sources of income, spending of income - family costs, farm costs, giving to others

- Sources of income
- Spending of income - family costs, farm costs, giving to others

(4) EN | FR

28 MEMBERSHIP OF GROUPS

Farmer groups, credit unions, cooperatives, leadership roles

- Farmer groups
- Credit unions
- Cooperatives
- Leadership roles

(4) EN

32 UPTAKE OF INTERVENTIONS

New practices trialled and evaluated

- New practices trialled and evaluated

(10) EN

33 VALUE ORIENTATIONS

Value orientations: self-benefit, community-benefit, innovative, conservative

- Self-benefit
- Community-benefit
- Innovative
- Conservative

(4) EN

34 WASH

Water source, access, storage, hand cleaning, sanitation

- Water source
- Access
- Storage
- Hand cleaning
- Sanitation

(4) EN

KEY:

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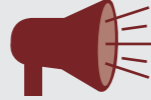
35 FOREST PRODUCTS

Harvesting, processing, and use of Non-Timber Forest Products and Woody Forest Products

- Harvesting, processing, and use of Non-Timber Forest Products and Woody Forest Products

⑦ EN | FR

36 VOICE CHOICE CONTROL

Gendered experiences of power and communication outside the home

- Gendered experiences of power and communication outside the home

⑤ EN | FR

37 FOREST GOVERNANCE

Community forest governance structures

- Community forest governance structures

⑧ EN | FR

41 CROP PESTS

Pictoral estimation of crop pests occurance and damage (focus on fall army worm)

- Pictoral estimation of crop pests occurance and damage (focus on fall army worm)

⑩ EN | FR

42 SEED VARIETIES

Uptake and use of improved crop seed varieties

- Uptake and use of improved crop seed varieties

⑤ EN | ES | HI

38 PLOT-LEVEL LAND USE AND BOUNDARIES

GPS boundaries of plots, plot level land use and history

- GPS boundaries of plots
- Plot level land use and history

60⁺ EN

39 GENDER ATTITUDES

Mobility, decision making, violence, care for others

- Mobility
- Decision making
- Violence
- Care for others

⑧ EN

40 GENDERED LABOUR AND TIME ALLOCATION

24 hour time allocation, work allocation in farm and home

- 24 hour time allocation
- Work allocation in farm and home

⑧ EN

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