Supplementary File S1. Data collection tools

It should be noted that the tool was applied in multiple studies conducted in Bangladesh and Lao PDR by the same author (s).

Qualitative Data Collection Guideline

[Please note that this is a general tool that will be modified based on the program/case selection]
[Start this section only after completing consent]
[Please circle appropriate group and code in sequence using code manual]

Group 1: Program Implementers /(I)NGOs/ Civil society organizations/community-based groups
Group 1: Government
Group 2: Donor agencies
Group 3: UN groups
Group 5: Business/private sector
Group 6: Academic/research institutions
Group 7: Smallholder farmers/target beneficiaries

PHASE 1. EXPLORATORY INTERVIEW AND OR FOCUS GROUPS
(Group 1-6 only)
Background question
Current role and involvement in …. program
Theme 1. designing and implementing the NSA interventions
Mechanisms, strategies and processes involved to design and implement the program
How were the interventions/programs designed and implemented?
Consideration of sustainability and scale-up during design and implementation
Specific strategies adapted for better implementation
Your role in the process
What did you like most about the process? Why? What could have been improved?

Facilitators and barriers to designing and implementation of interventions
Positive factors/reasons that enabled implementation
Barriers to implementation
Suggestions for better implementation of interventions
Theme 2. Impact of program/ intervention(s) on food insecurity and malnutrition
Intervention selection process- based on what considerations?
Embedding of interventions in the system: which were chosen to be embedded in the system and why
Impact of the interventions to reduce food insecurity and malnutrition
Solutions to make them more effective
Any other effective interventions not implemented by …program? Why?
Theme 3. Scaling up the NSA interventions
Mechanisms, strategies and processes involved
Process of scaling-up
Scaling-up linked to national plans, programs and system reform processes? Linked to your organization's plans and strategies?
Specific strategies used
What did you like most about the process? Why? What could have been improved?

Facilitators and barriers to scaling-up
Positive factors/reasons that enabled scaling-up
Barriers to scaling-up
Suggestions for better scaling-up of the interventions

Changes in the system (government or community/household or private) during scaling-up

Close the interview
THANK YOU. We have learnt a lot from you today and would like to stay in touch with you. May we keep in touch with you over the next three years to further learn from you? What would be the best way to contact you?

Group 7: Target Beneficiaries (women from smallholder farmers 'families) stakeholder and focus groups with beneficiary groups
Knowledge about …program and its interventions, including integration with different sectors
Participation during design, implementation and scaling-up of the program
Perceived changes due to the interventions/program on malnutrition and food insecurity
Facilitators and barriers experienced during implementation of the…. program and …interventions
Suggestions for program/interventions for better improvements in addressing malnutrition and food insecurity
Suggestions for improved implementation of program/interventions
Integration of …program/interventions in their daily life
Integration of …. program/interventions in community and household system, and their sustainability
What other interventions could have been implemented?
What do you like most about the program? What do you think could have been done differently?

Close the interview
THANK YOU. We have learnt a lot from you today.