

# **Multi-stakeholder approach to safe-guard both public health and Ghana's export trade relating to pesticide residues in fruits and vegetables (partners in food solutions)**

**Group 2**



# Outline

- Introduction
- Causes and effects
- Interventions
- Processes followed to execute task
  - ❖ *Rich picture*
  - ❖ *Stakeholder analysis*
  - ❖ *Boundary mapping*
  - ❖ *BATWOVE*
  - ❖ *Theory of change*
  - ❖ *Team personality analysis*



# Introduction

- Fruits and vegetables are important components of the human diet
  - ❖ they provide essential nutrients for the body
  - ❖ reduce vitamin deficiency and reduces incidences of cancer, cardiovascular diseases and obesity
- Increasing diet consciousness of Ghanaians
  - ❖ Resulted in high demand for fresh fruits and vegetables
- Pesticides are considered a vital component of modern farming
- These pesticides can be linked to long –term adverse effects on the environment and human health

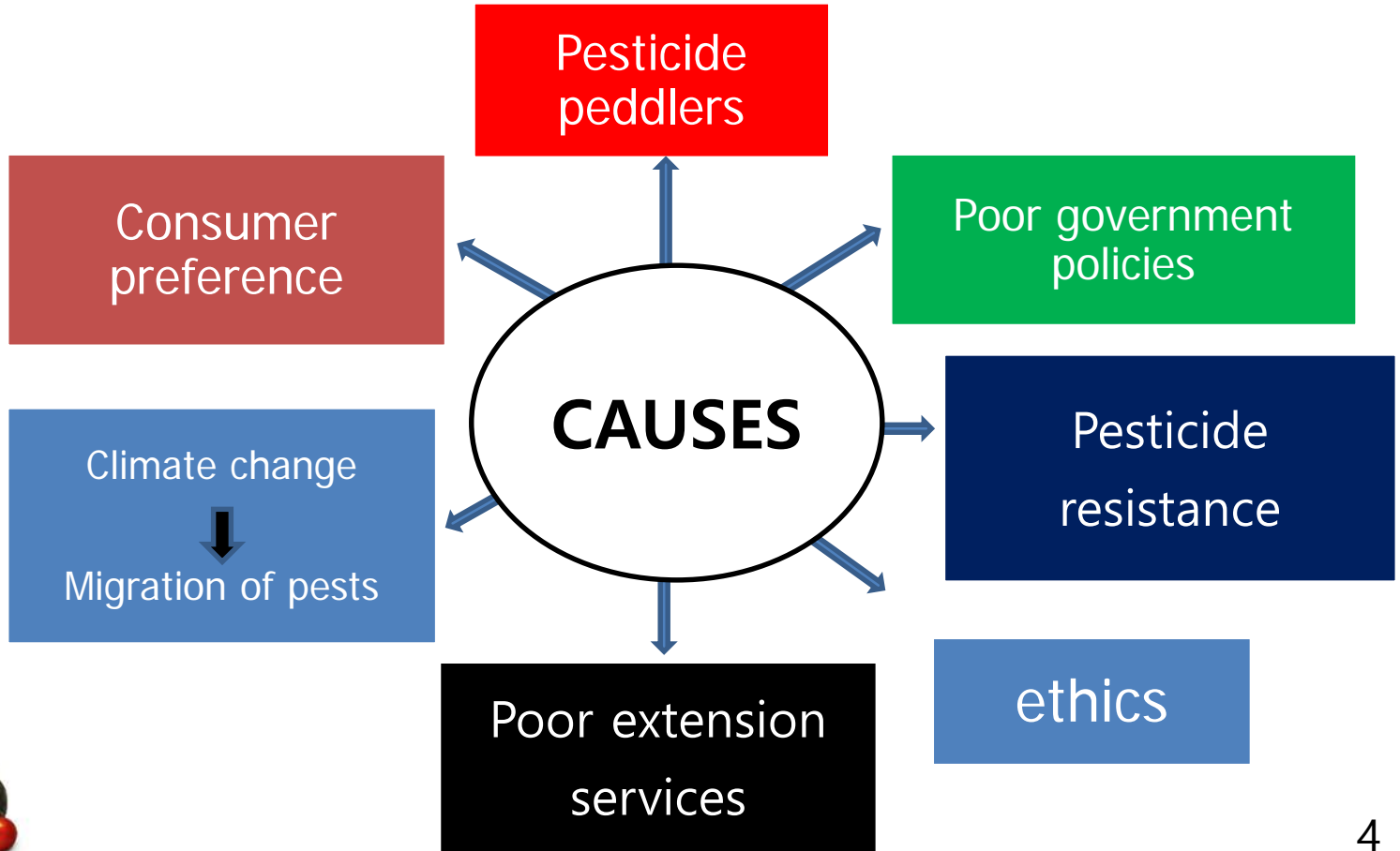
(Jallow et al., 2017)



# Introduction

- GSA has recorded high contents which has raised concerns
- According to GSA, exposure could lead to certain cancers, reproductive issues and developmental effects.
- This development raises Government concern on both the domestic front and international trade
  - ❖ Banned by EU from exporting vegetables due to violation of phytosanitary measures





# Effects of pesticide residues

Public  
health

Trade suffers

Pollution of  
environment

Loss of  
credibility



# Task/objective

Design a multi-stakeholder approach to safe-guard both public health and Ghana's export trade relating to pesticide residues in fruits and vegetables



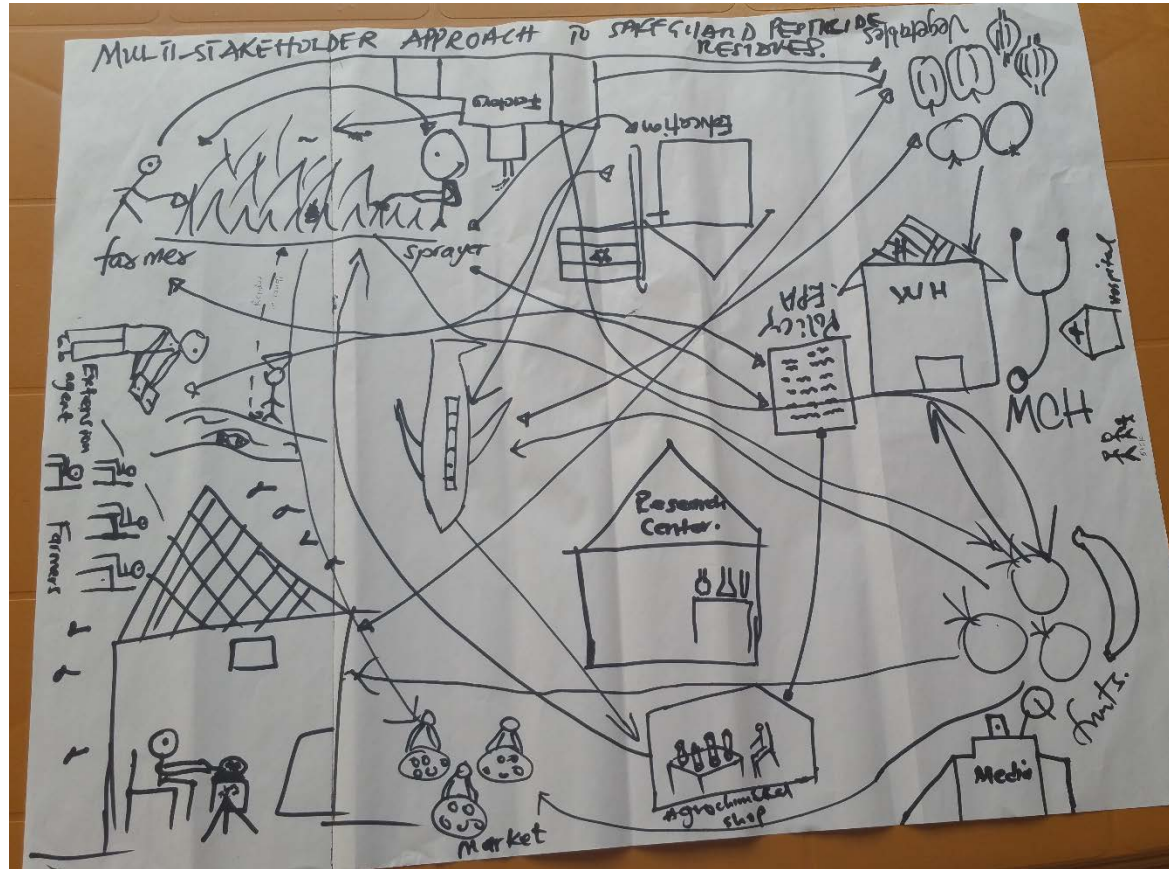
# Interventions/Conclusion

- Sensitize, certify, train, subsidize pesticides and regular inspection
- Develop standard for processing and implement all food safety regulations
- Provide interventions to farmers
- Train staff, provide fund and intensify regulations
- Researchers to intensify research to support farmers
- Sensitize consumers to help make guided decisions
- Adopt organic farming and selling certified residue free pesticides





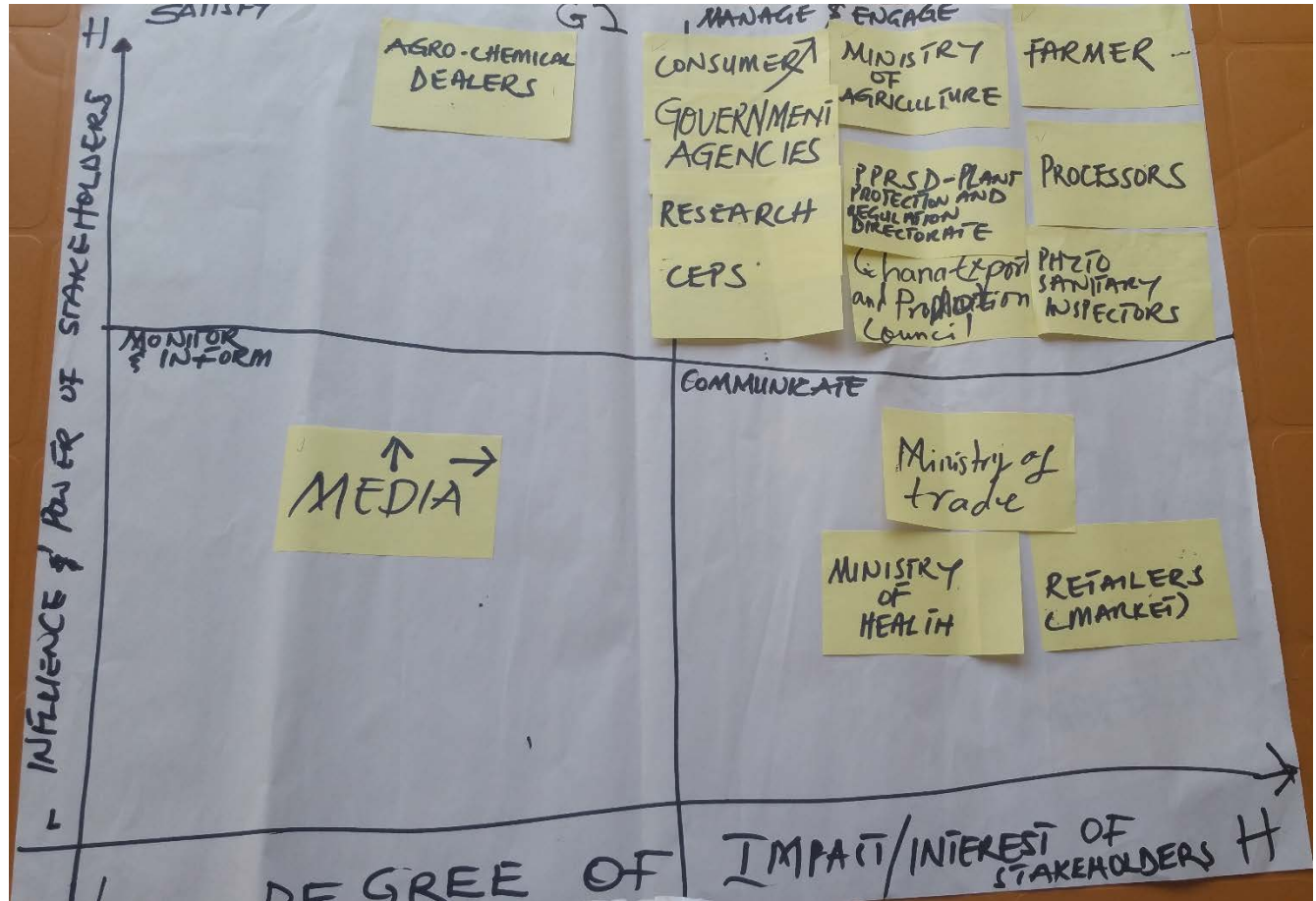
# Approach; Rich picture



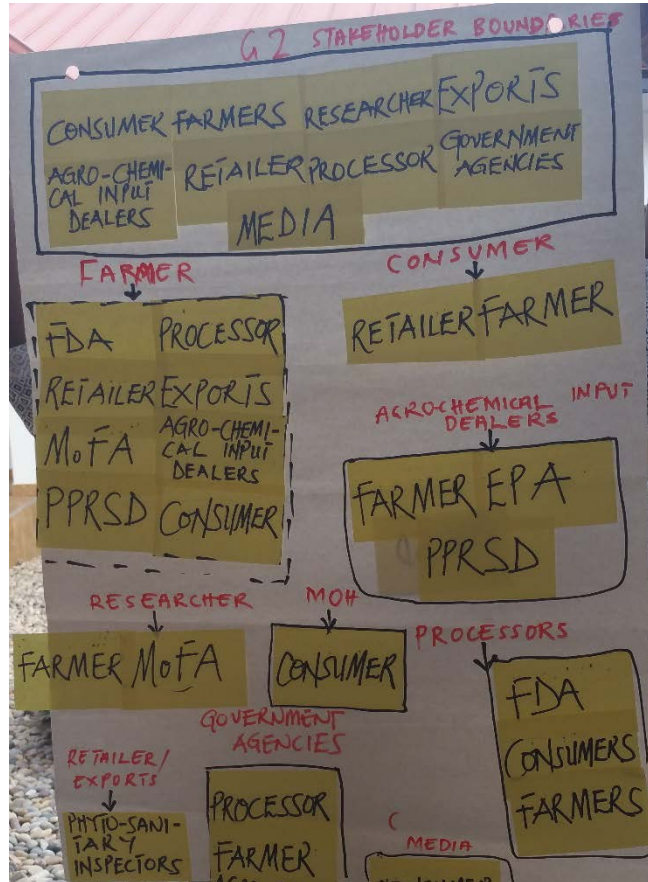
# Approach; Identifying stakeholders



# Approach; stakeholder analysis



# Approach; Boundary mapping

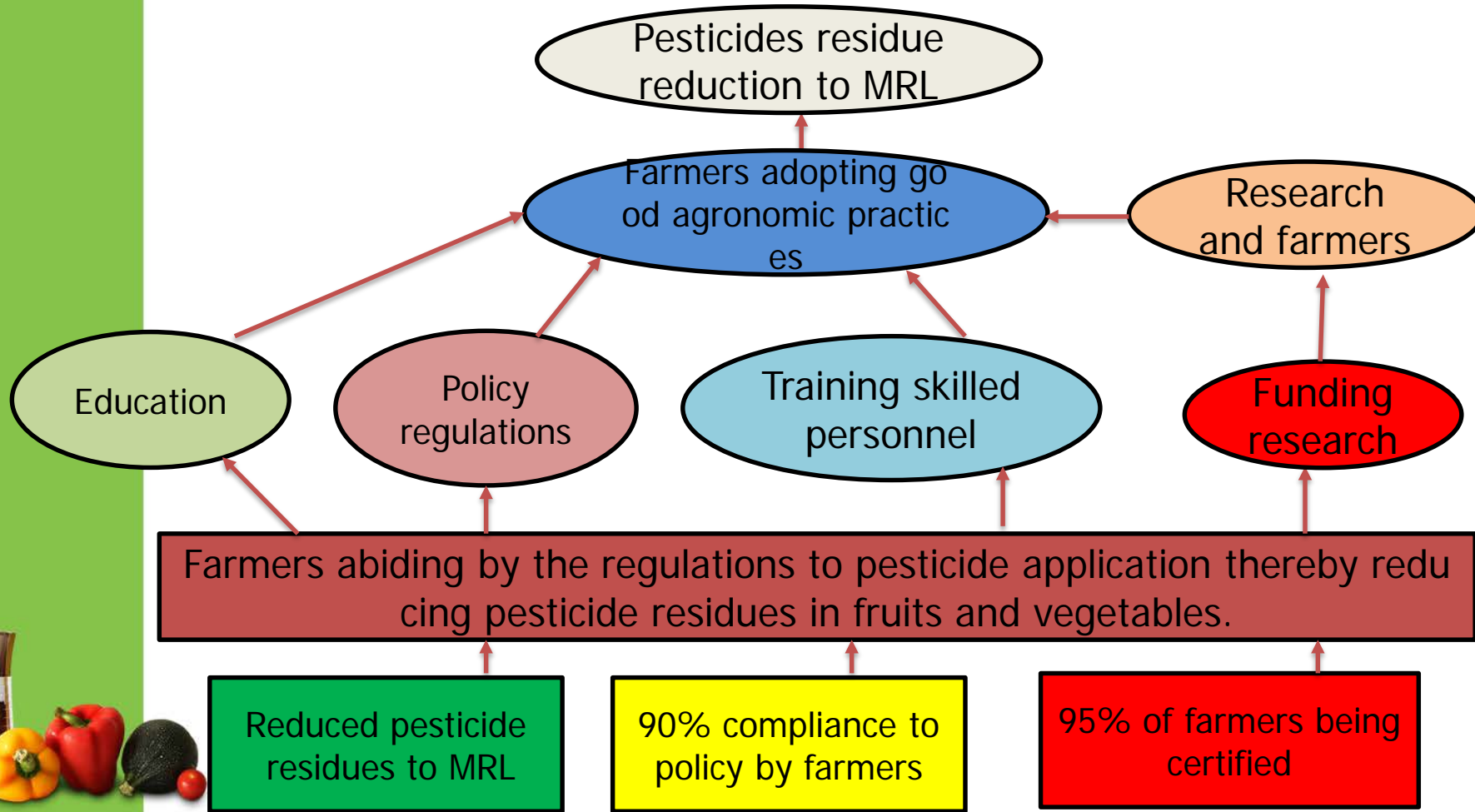


# Approach; BATWOVE

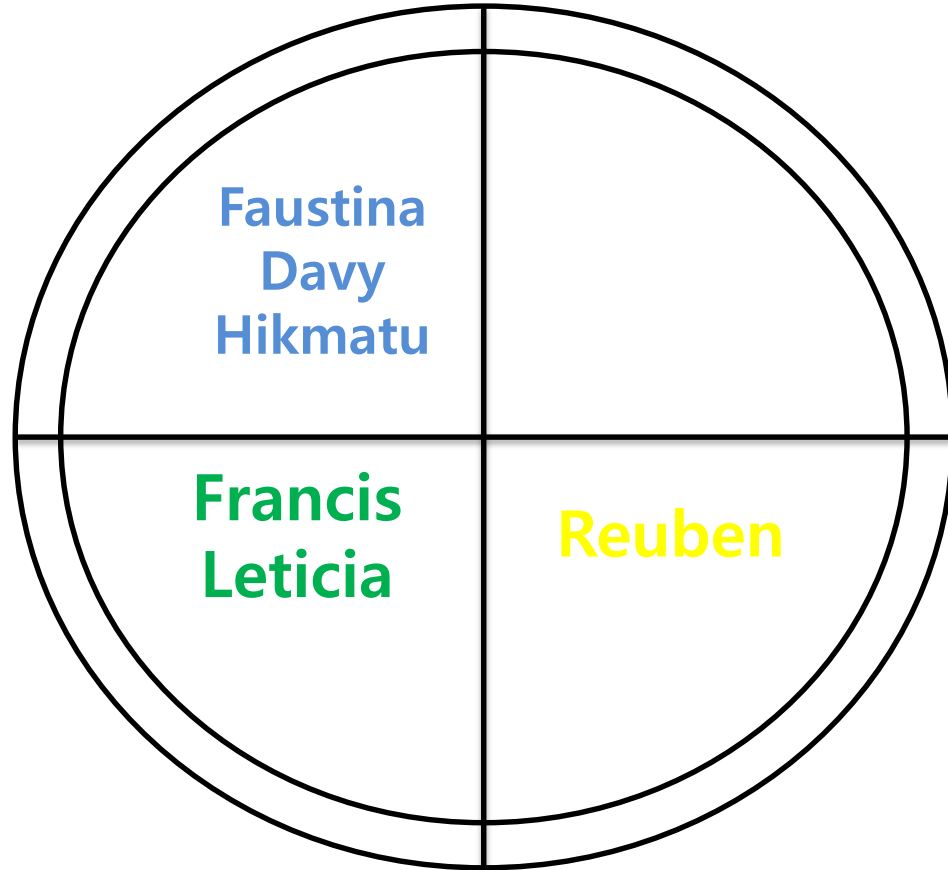
BENEFICIARIES	GROUP 2 (BATWOVE) FARMERS, PROCESSORS PUBLIC, MOH
ACTORS	PUBLIC/GOVT AGENCIES, FARMERS EDU. INST., AGRO. INPUT SUPPLIERS
TRANSFORMATION	DESIGN A MULTI-STAKEHOLDER APPROACH TO SAFE-GUARD BOTH PUBLIC HEALTH AND GHANA'S EXPORT TRADE RELATING TO PESTICIDE RESIDUES IN FRUITS AND VES.
WORLD-VIEW	PUBLIC HEALTH
OWNERS	FARMERS, GOVT AGENCIES, AGRO INPUT SUPPLIERS
VICTIMS	FARMERS, CONSUMERS, AGRO CHEMICAL SHOPS, MOH
ENVIRONMENTAL CONSTRAINTS	COST, CLIMATE, INDIVIDUAL EFFORT, TECHNICAL KNOW-HOW



# Approach; Theory of Change



# Group personality analysis



# Team approach

- **Forming** – fairly easy
- **Storming** – very turbulent
- **Norming** – smooth but a challenging
- **Performing** - excellent
- **Mourning** –

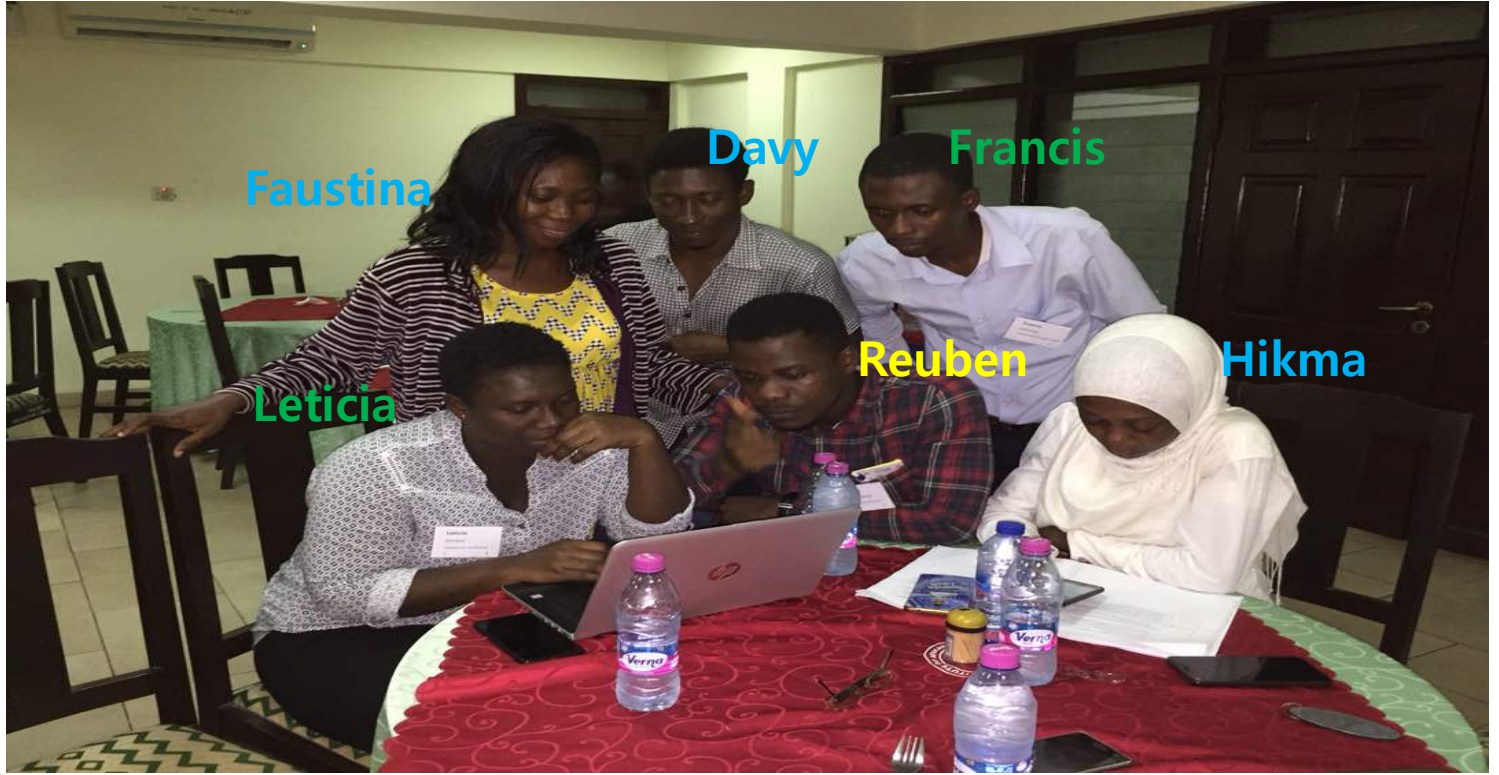




# References

- Jallow M.F.H, Awadh D.C, Albaab M.D, Vimala Y and Ahmad N (2017) monitoring of pesticide residues in commonly used fruits and vegetables. International journal of environmental research and public health.





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# GROUP MEMBERS PROFILE

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