



# Attribution

A practical framework to  
select the most appropriate  
attribution method

# Today's morning program

## Plenary 8:30 – 10:30

- Attribution; what is it and why important ?
- Present a framework to select appropriate method to assess attribution.
- Discuss 4 cases that applied different attribution methods.

## Groups 11:00 – 12:30

MDF 1

MDF 2

NMDP 1

NMDP 2

ALCP 1

ALCP 2

PM 1

PM 2

Before the intervention



After the intervention



Is this the result of our intervention?

Before the intervention



After the intervention

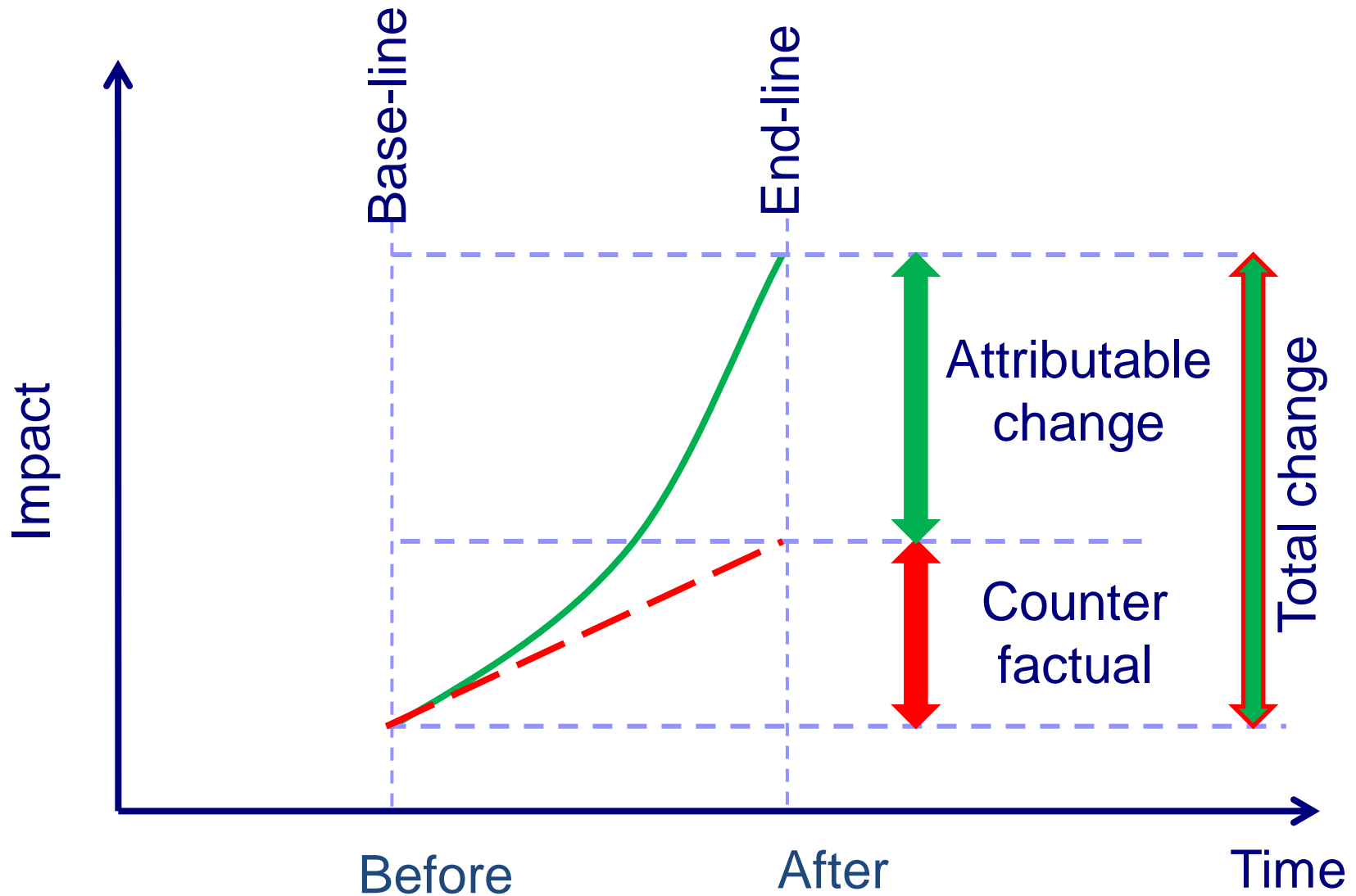


Is this the result of our intervention?

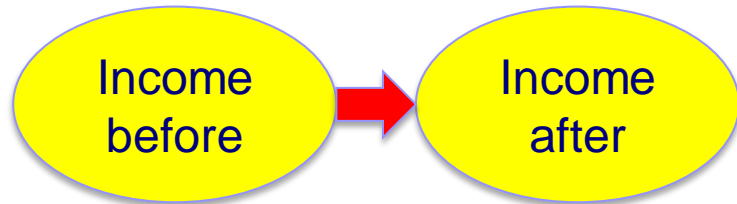


Why it's  
important



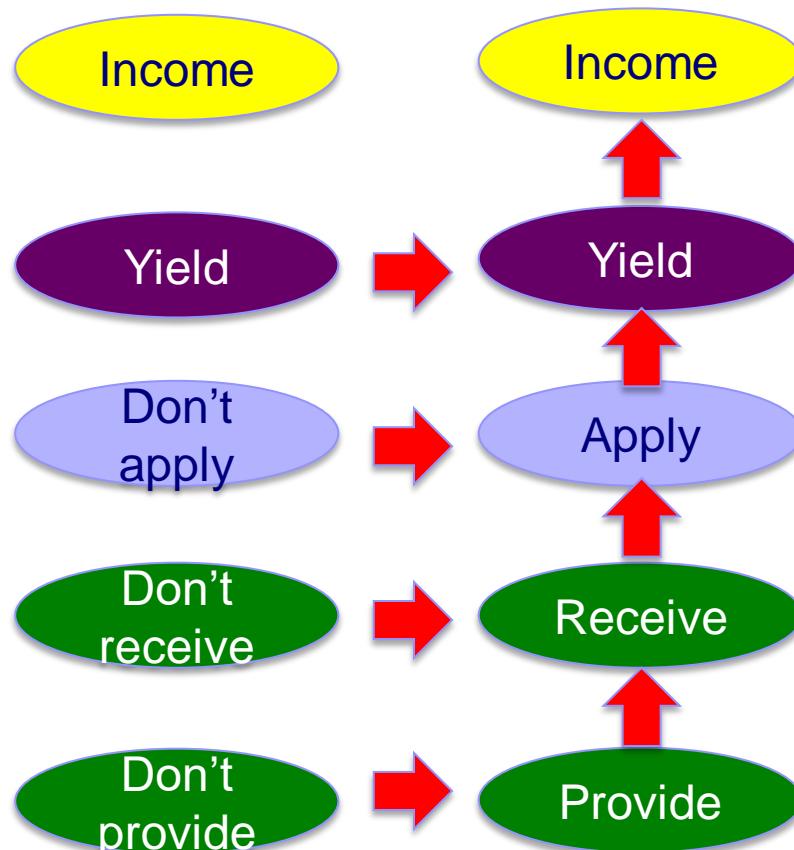
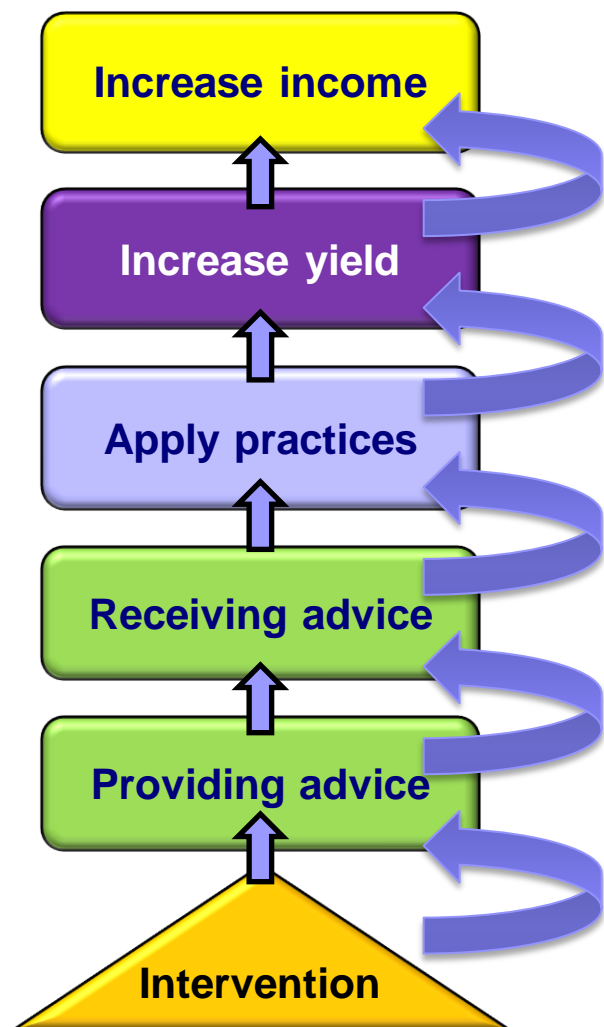


# First Question: are changes due to the intervention logic?





## First Question: are changes due to the intervention logic?

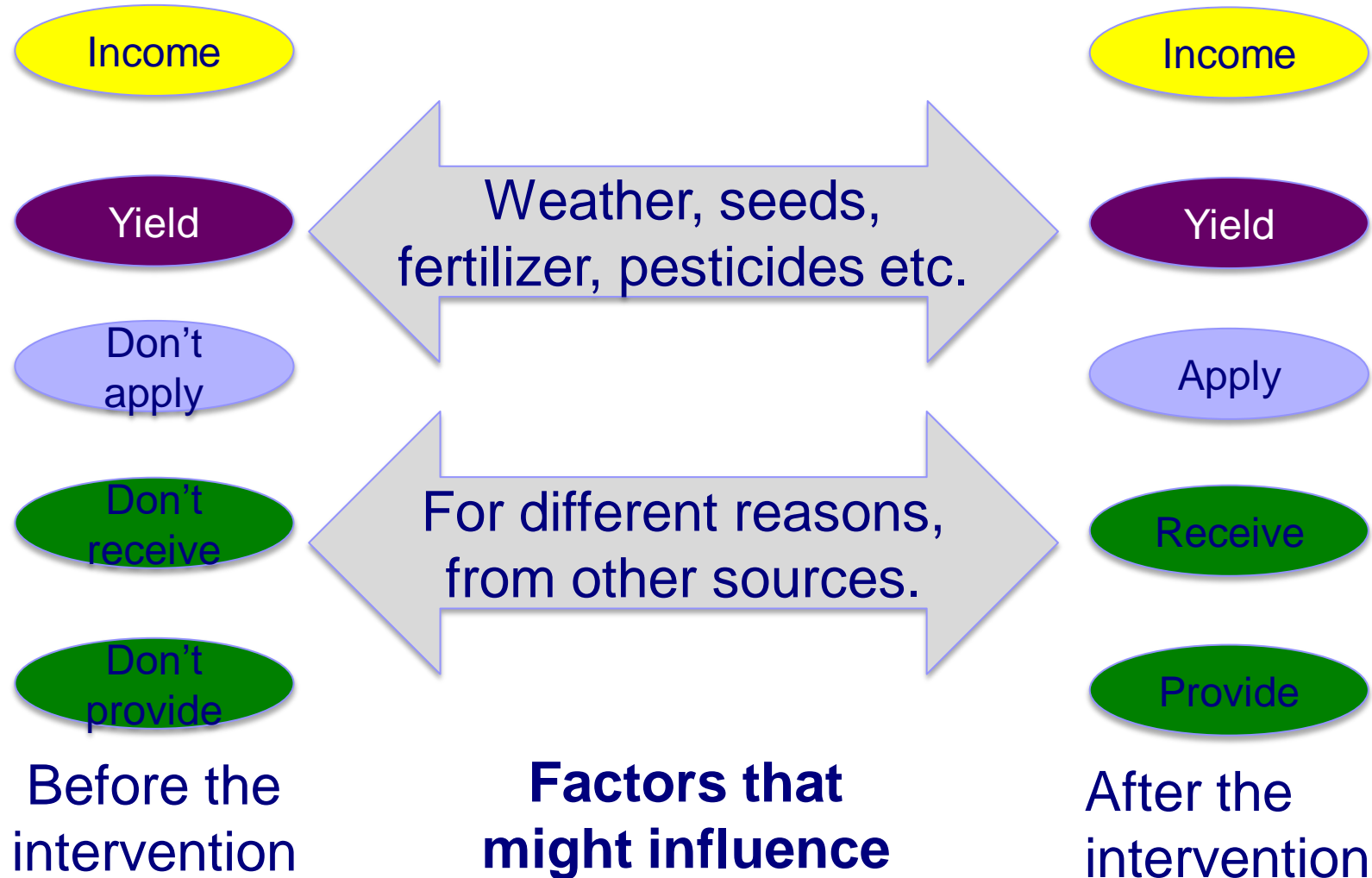


Before the  
intervention

After the  
intervention



## Second Question: external factors influencing changes?





There is not one method to assess attribution; the most appropriate method depends on the intervention logic and program context.

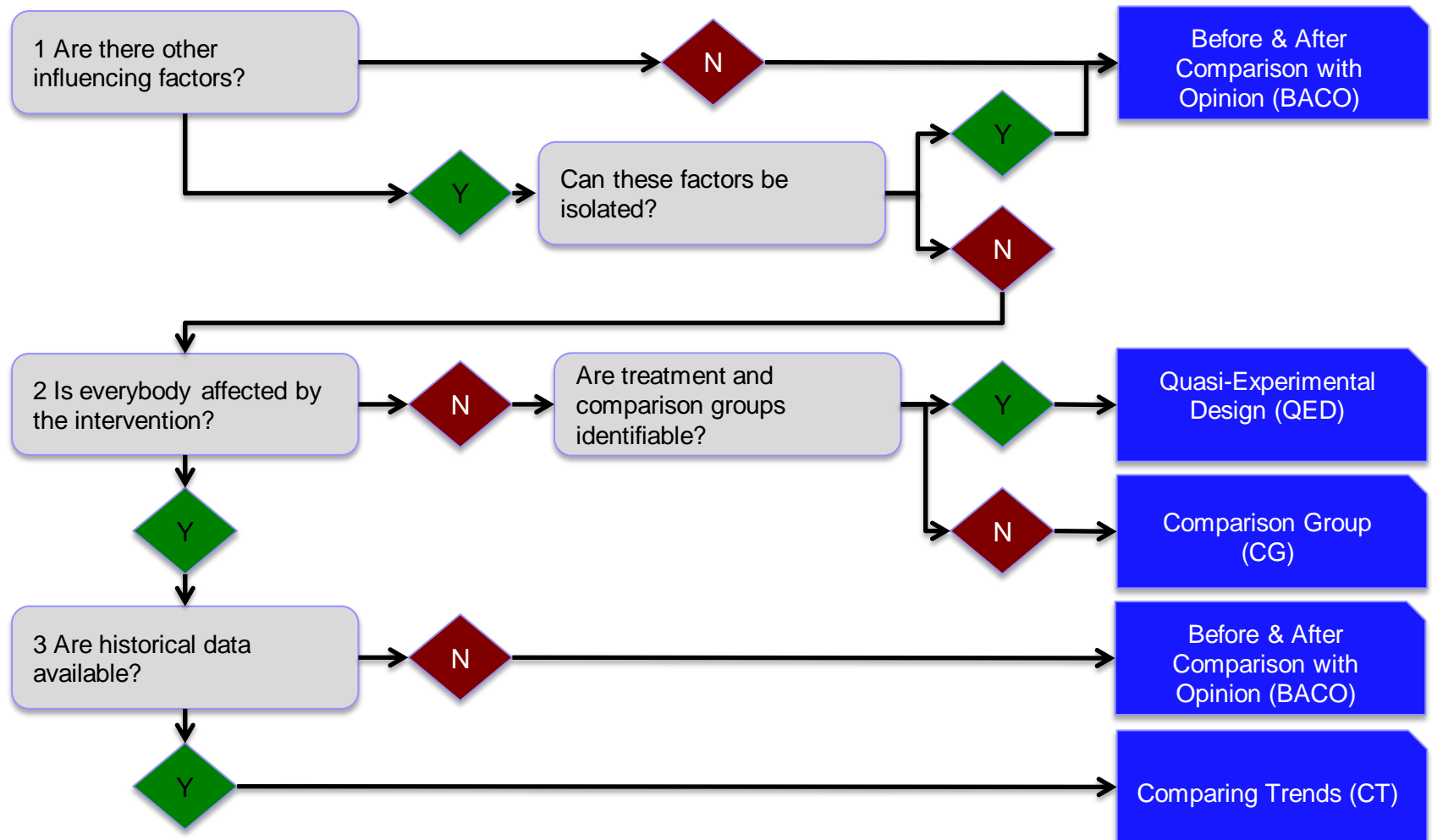
## Today:

- To select an appropriate method
- Common methods only
- Not on research methodology



# Questions

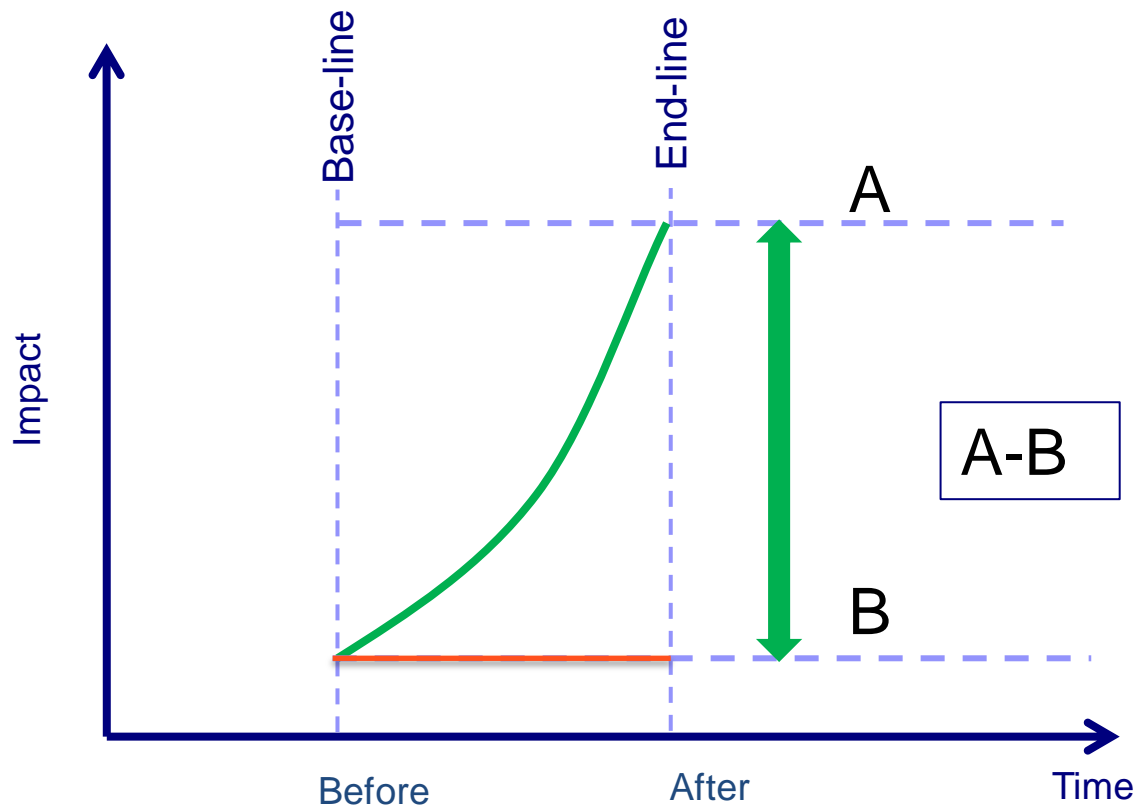
# Attribution method

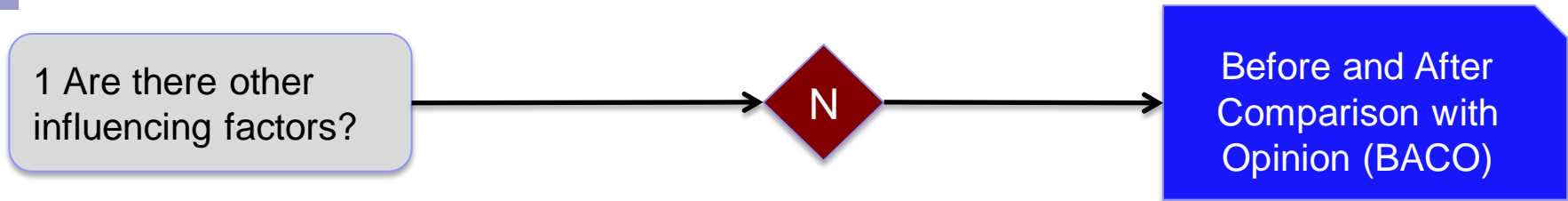


1 Are there other  
influencing factors?

N

Before & After  
Comparison with  
Opinion (BACO)





## Be realistic when deciding if there are no other influencing factors:

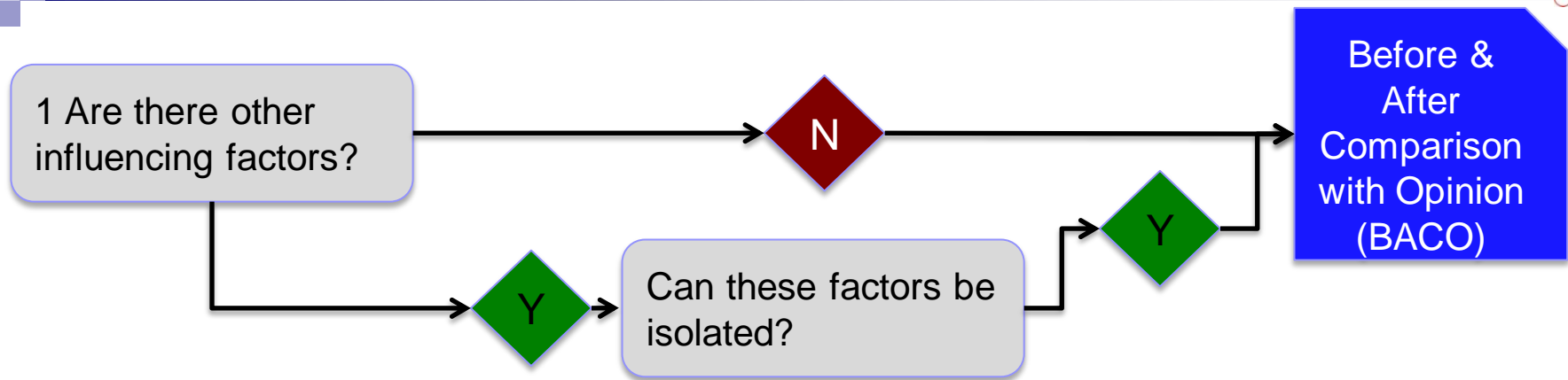
- forgetting other factors

- Estimating the significance of change

- assuming everything influences everything

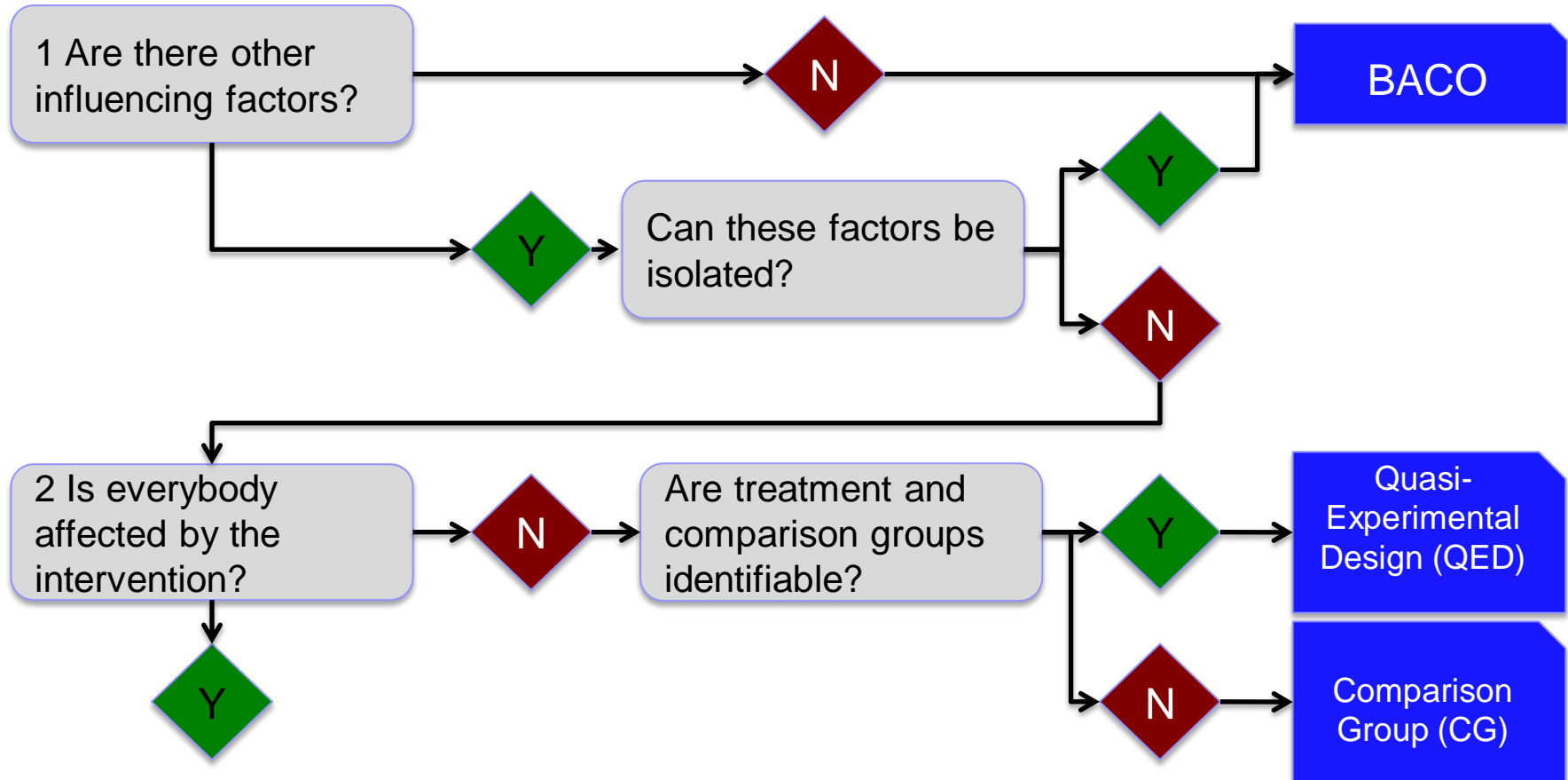
- Has the counterfactual been constant over the past years?

- Can we ignore minor changes due to other factors given the significance of change due to our intervention?



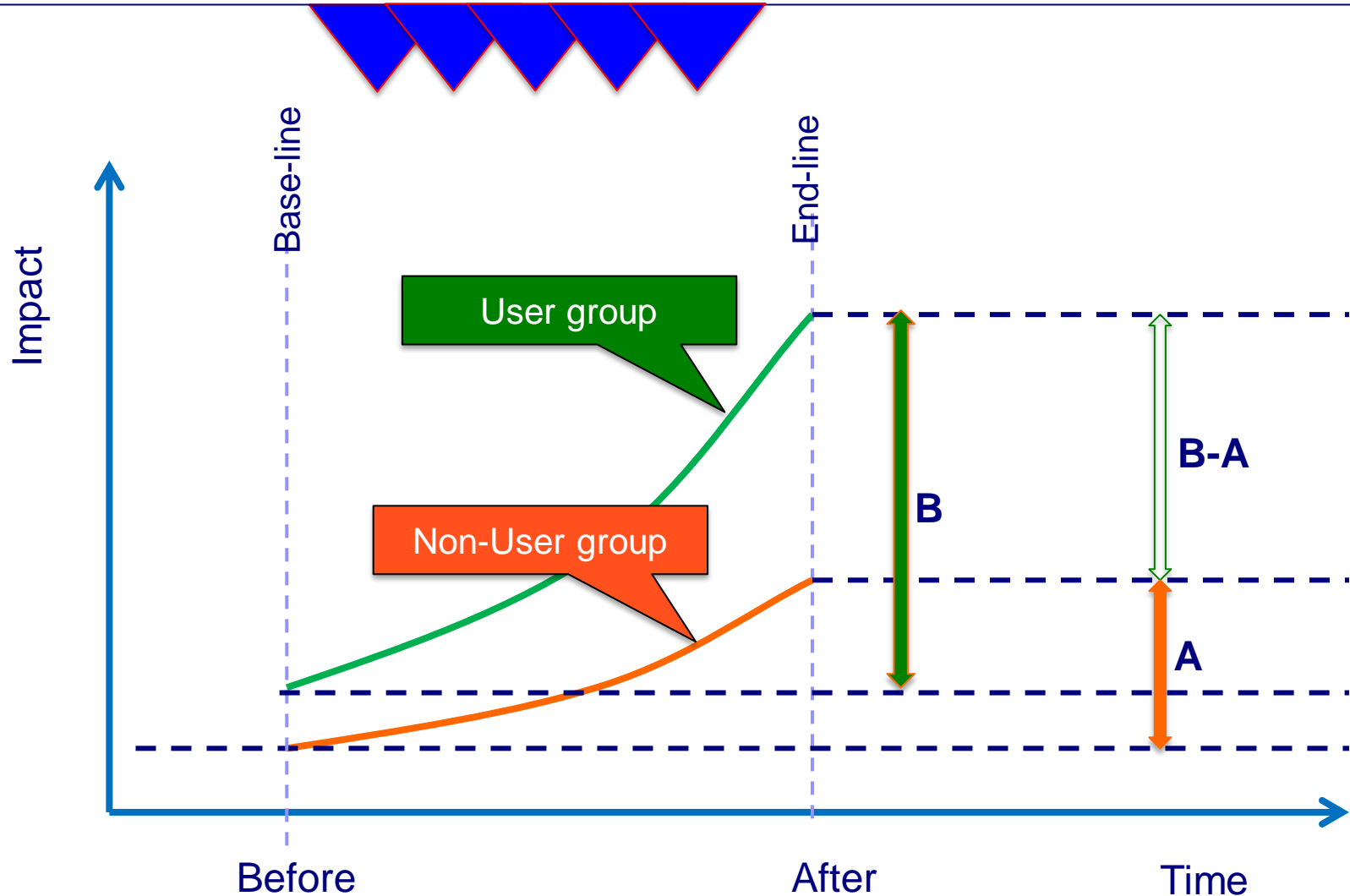
- Remove respondents from your sample if only few of them were exposed to one or two external factors.

- Freeze factors that influence the change but are not related to your intervention.

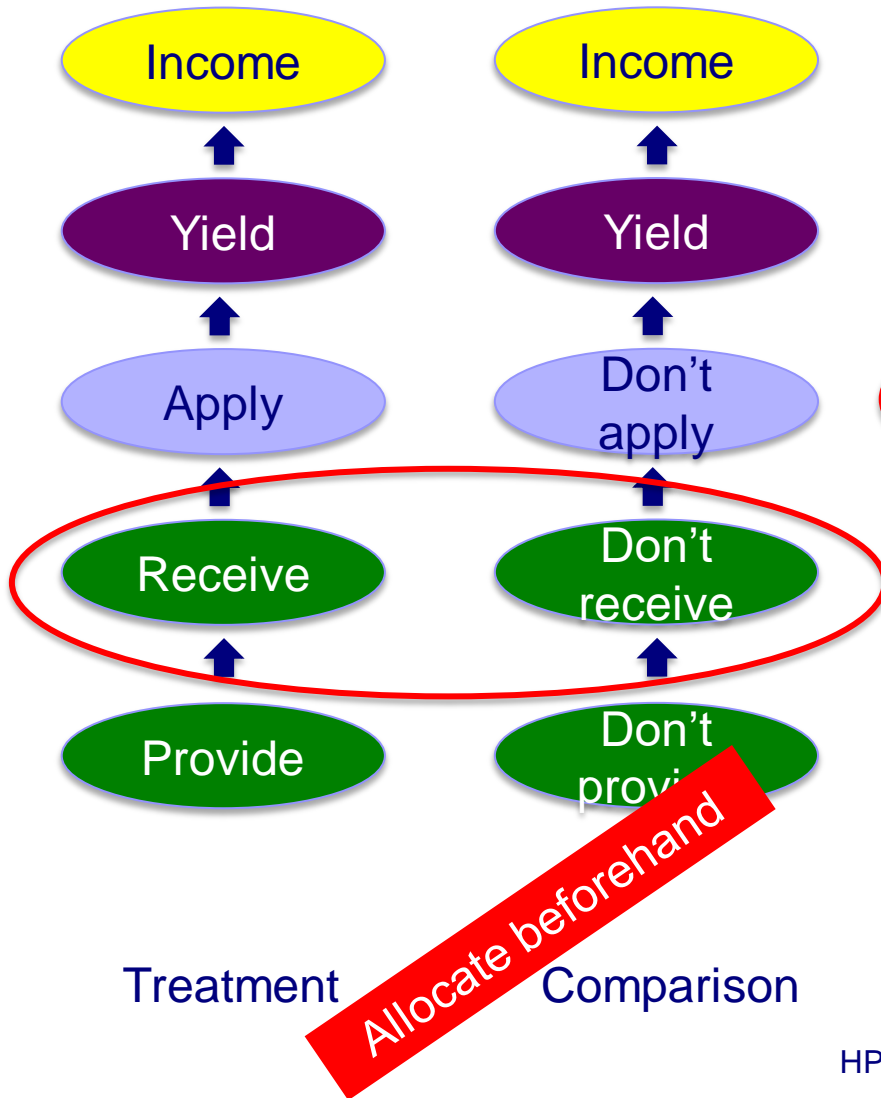




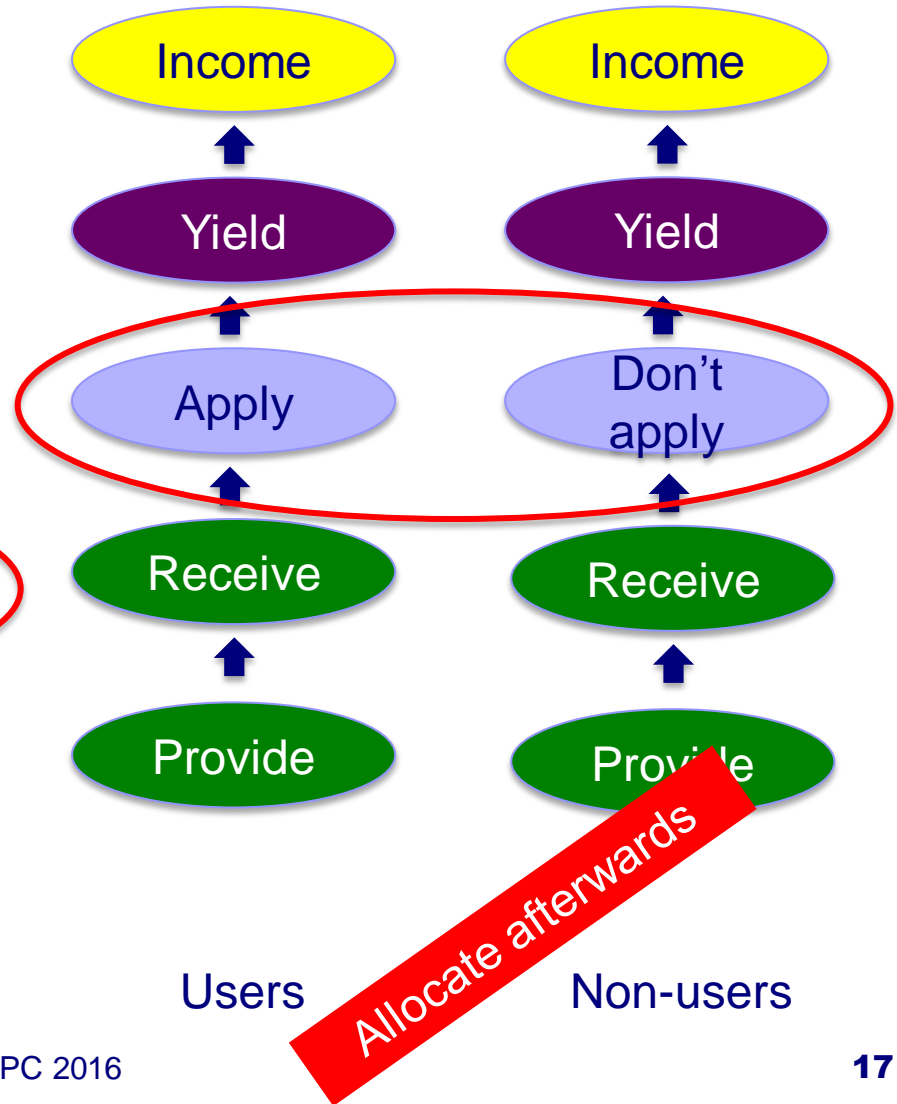
Both groups exposed to the same external factors



## Quasi-Experimental Design (QED)



## Comparison Group (CG)



## Quasi-Experimental Design (QED)

## Comparison Group (CG)

- Certainty
- Exposure to same external factors feasible
- Self-selection is important



- Uncertainty
- Exposure to same external factors is crucial



- Self-selection is not important

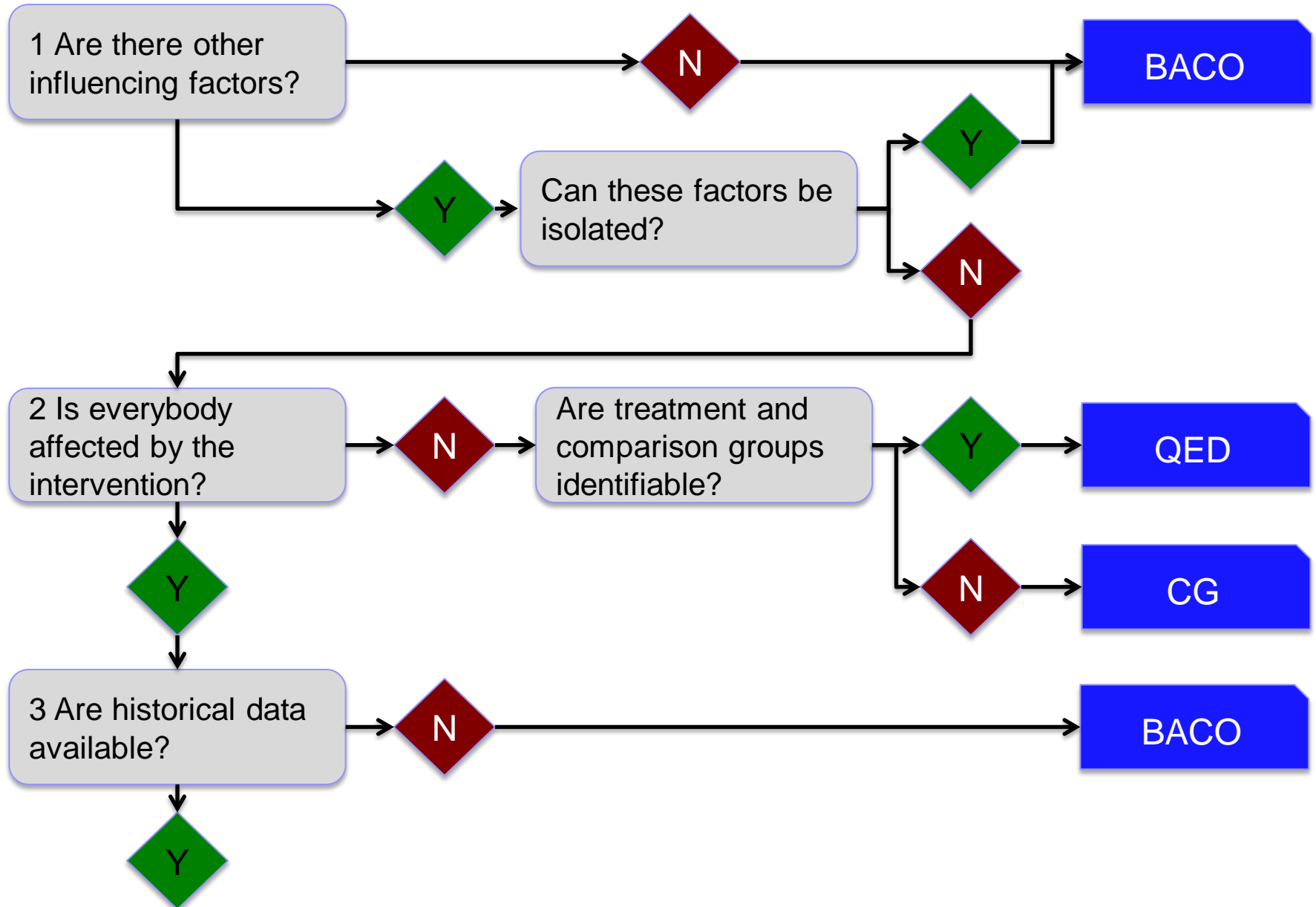


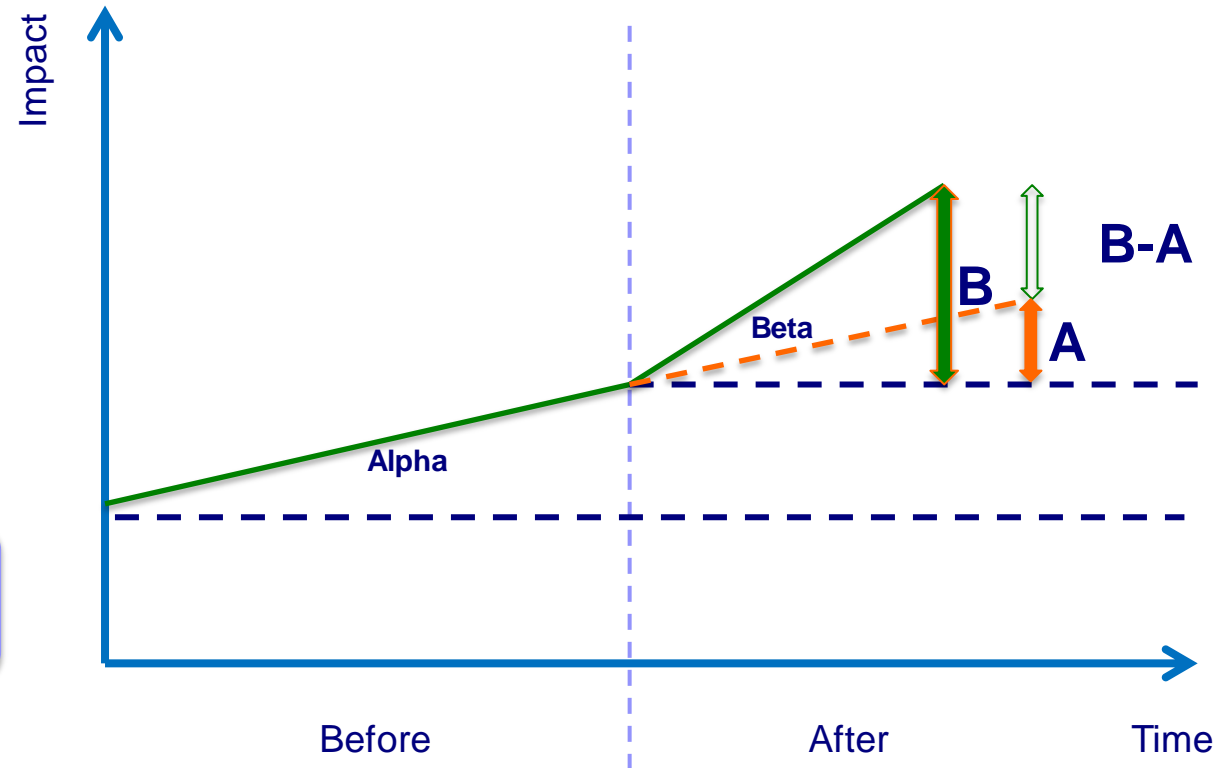
Treatment

Comparison

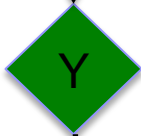
Users

Non-users





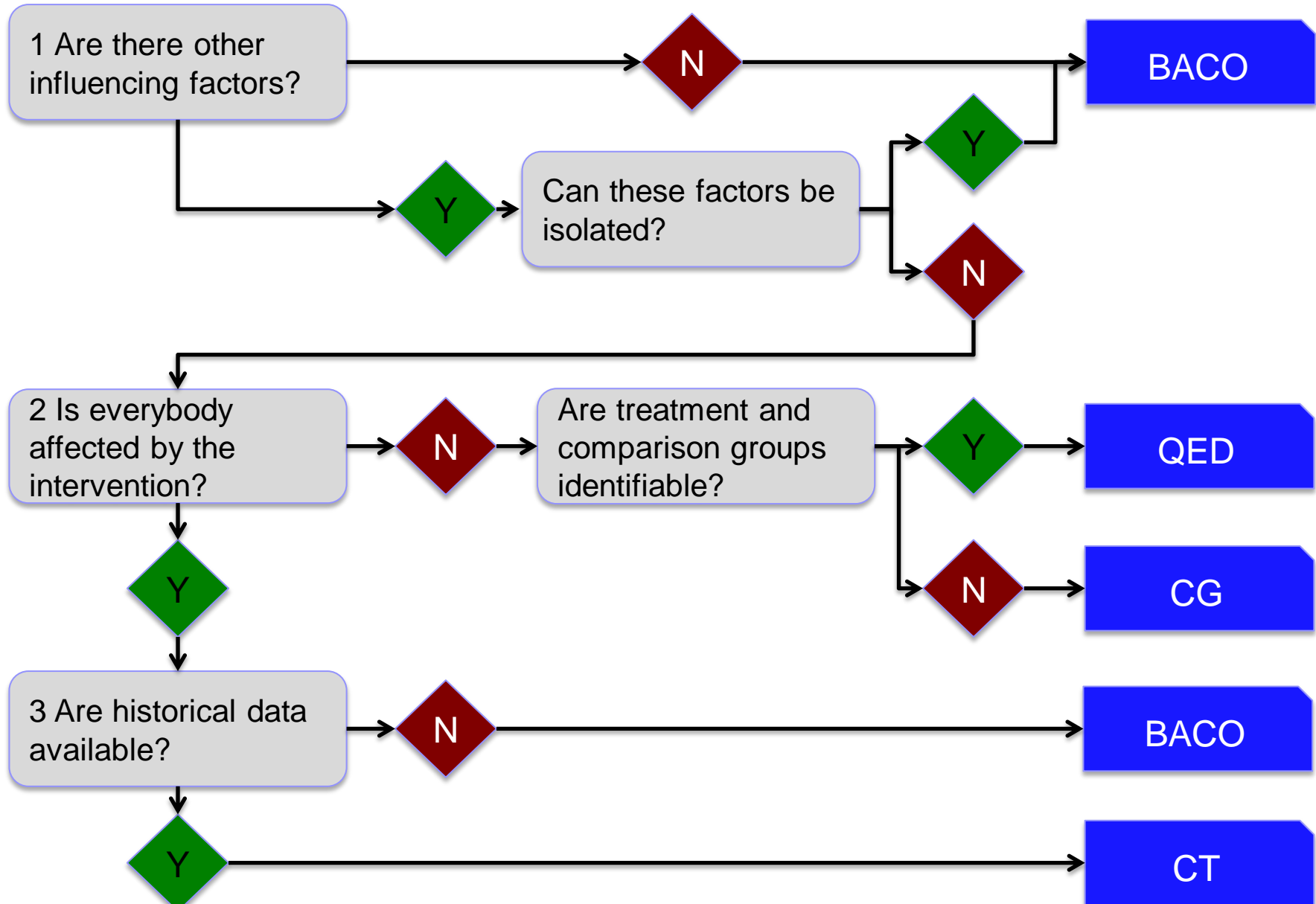
2 Is everybody affected by the intervention?



3 Are historical data available?



Comparing Trends (CT)



Before we go the  
four cases...



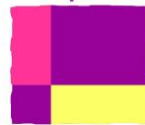


**MDF**

Market  
Development  
Facility

**SAMARTH**  
Nepal Market Development Programme

Propcom



Mai-karfi

Making rural markets work for the poor

**ALCP** Alliances Lesser  
Caucasus Programme



Timor-Leste

Nepal

Nigeria

Georgia

Syeda  
Samira Saif

Sanju  
Joshi

Belinda  
Boateng

Zakaria  
Tavberidze

# Market Development Facility



- Stimulates business innovation, investment and regulatory reform with the aim to create **additional jobs and income** for poor women and men in rural and urban areas through **sustainable and broad-based pro-poor growth**
- Operates in Fiji, Timor-Leste, Pakistan, Sri Lanka and Papua New Guinea
- In **Timor-Leste** since 2012 with a budget of AUS\$ 6.5 million over 5 years
- **Sectors**            Agribusiness, Processing & Rural Distribution  
                             Greenfield Industries (Manufacturing and Tourism)
- A team of 10 staffs supported by 1 MD Adviser and 1 MD & RM Adviser
- Some 2,947 men & women benefitted with a NAI of USD 344,935 (Dec 2015)

# Samarth - Nepal Market Development Programme



- Focuses on improving the **incomes of the poor in rural markets**
- Implemented in more than **30 districts** (out of 75)
- **5 year programme** up to March 2017
- Budget of GBP 15 million
- **10 sectors comprising 3 portfolios**
  - Crops: Ginger, Vegetables, Mechanization, Crops Protection Inputs
  - Livestock: Dairy, Pigs, Fish, Livestock Feed
  - Tourism and Media
- 38 implementation staffs, 4 MRM staffs
- **Scale:** 77,100 outreach reported to date

**Adam Smith**  
International



# Propcom Mai-karfi

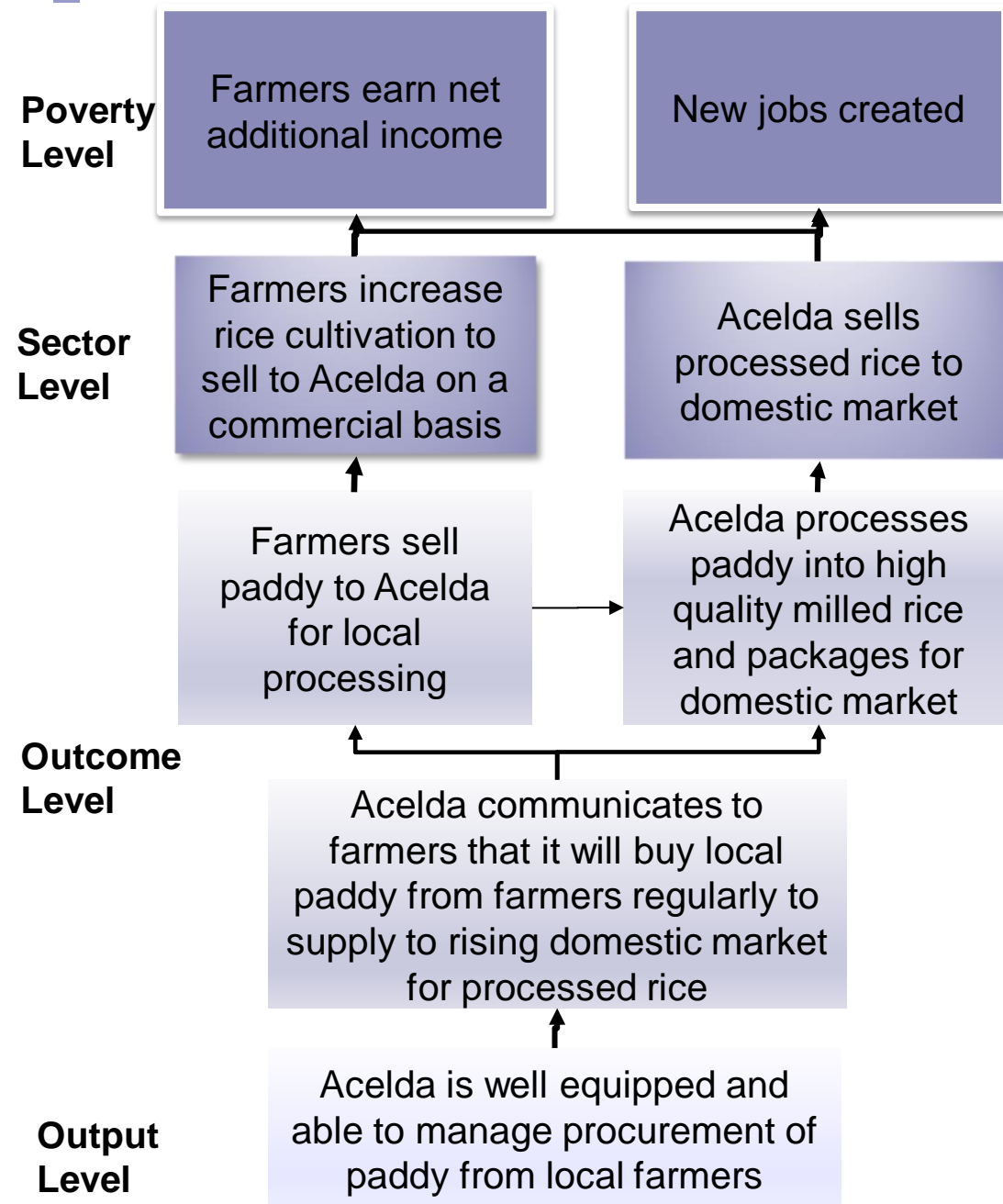


- **Objective:** To raise the incomes of 250,000 women and 250,000 men in northern Nigeria by March 2018.
- **Country and geographical coverage:** 20 states in Northern Nigeria
- **Project period and budget :** 2012-2018, GBP 27M
- **Sectors:** Mechanization, Ag. Inputs, Storage and Livestock
- 26 Implementation staff and 7 MRM staff
- **Impact reported to date:** 350,649 (45,946 women), Dec 2015

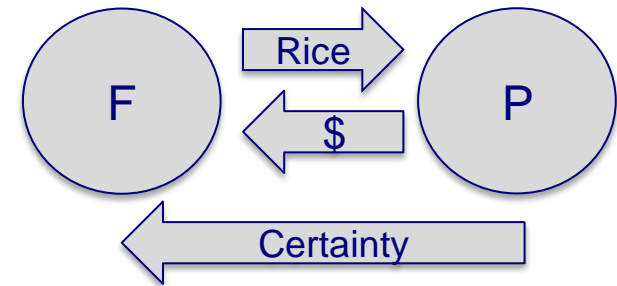
# Alliances Lesser Caucasus Programme

**ALCP** Alliances Lesser  
Caucasus Programme

- **Project objectives:** Poverty alleviation and transition to durable market economy for the livestock sector
- **Georgia:** Kvemo Kartli, Ajara & Samtskhe-Javakheti
- March 2008 until March 2017; Total budget: 13 M CHF
- **Sectors:** Dairy, Meat, Sheep and Honey
- 38 Implementation staff and 4 MRM staff
- **Scale:** 431,691 HHs; NAIC:18.5 M USD; Jobs: 442

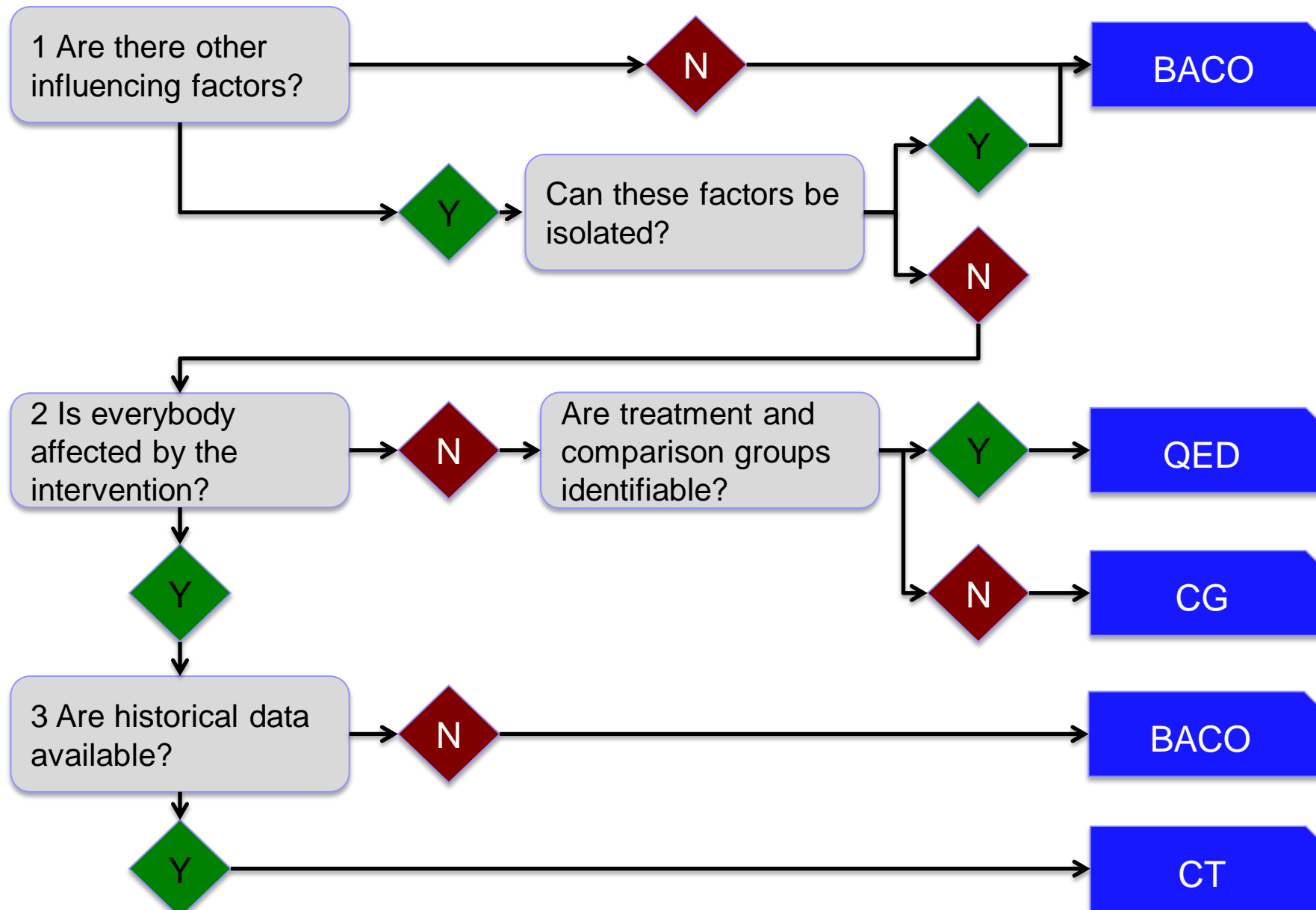


- Connectivity between producers and market
- Partner- Acelda Unipessoal Lda
- Target beneficiaries - Farmers selling paddy to Acelda

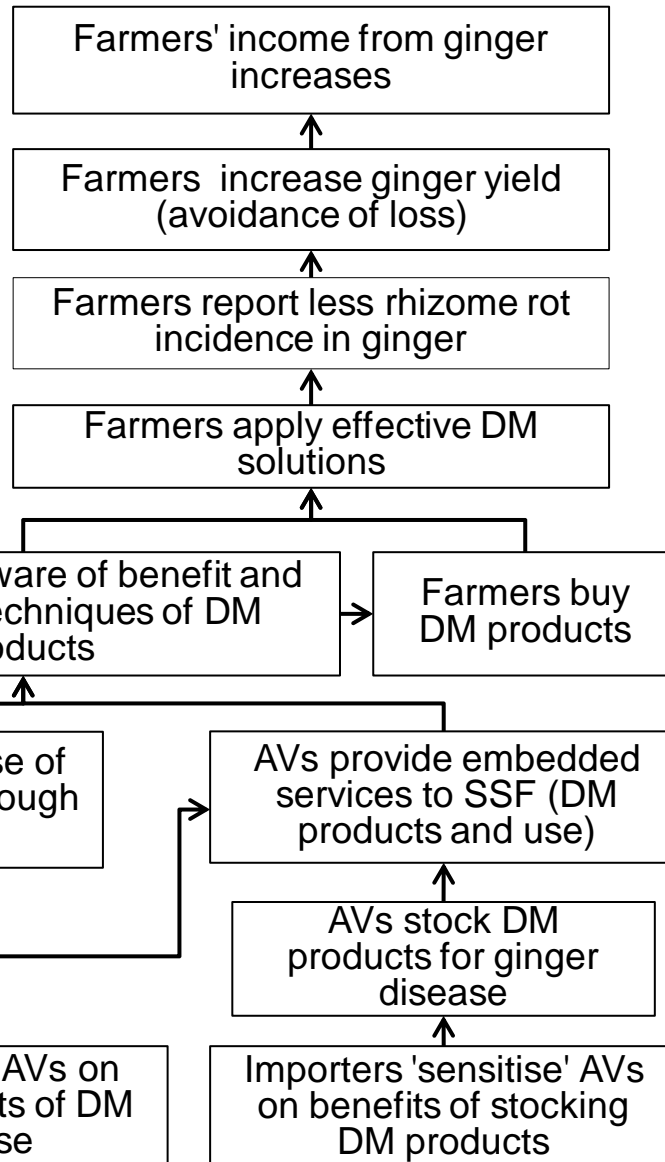


- Counterfactual- 'What would the farmers have done with the rice production had Acelda not bought it?'

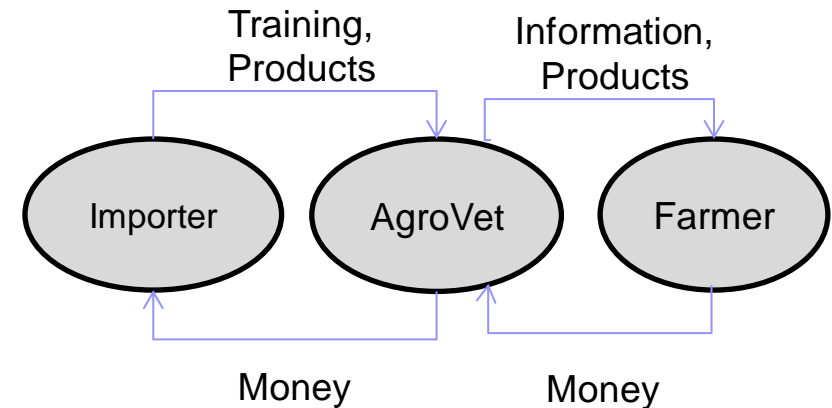




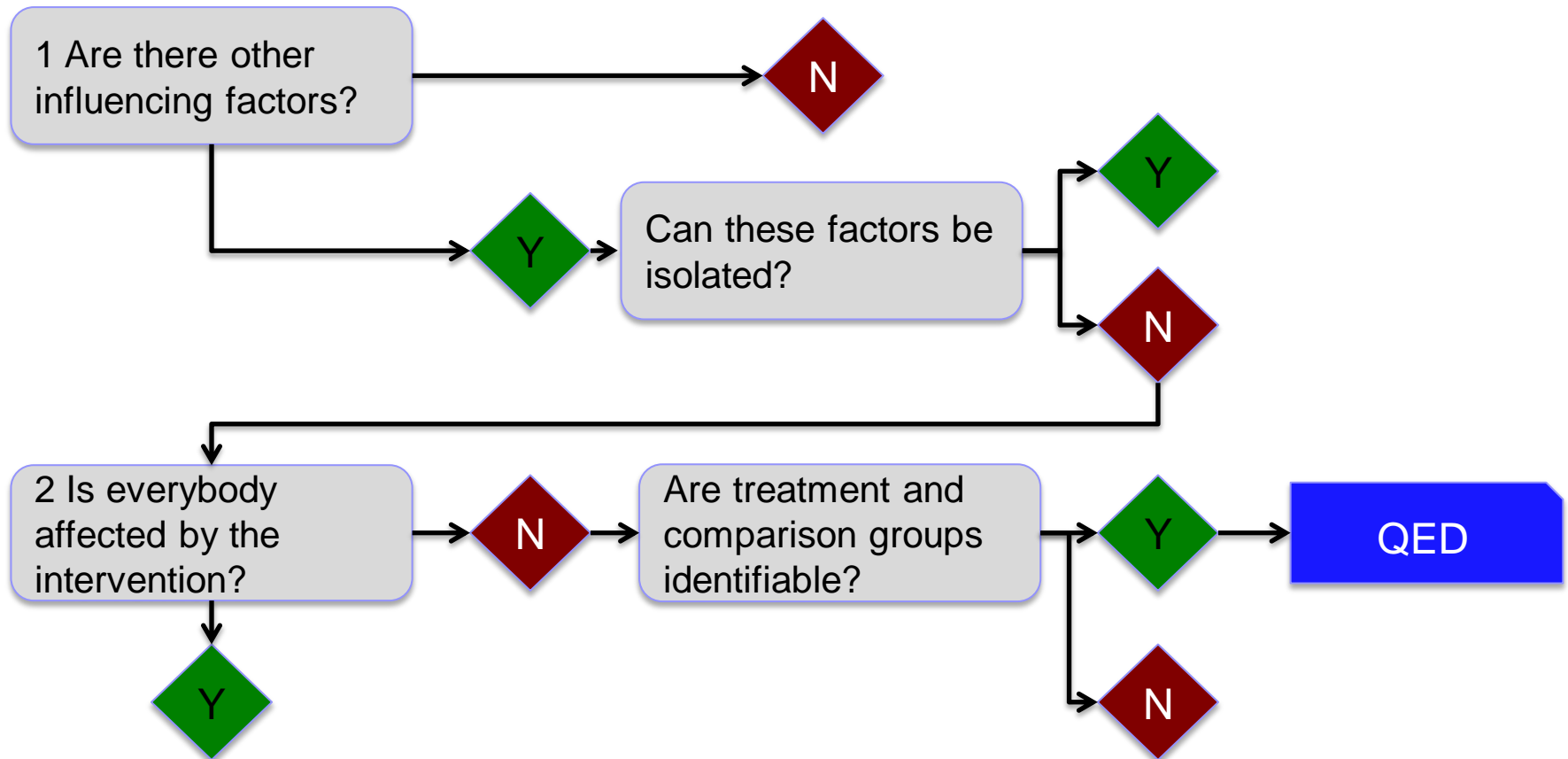


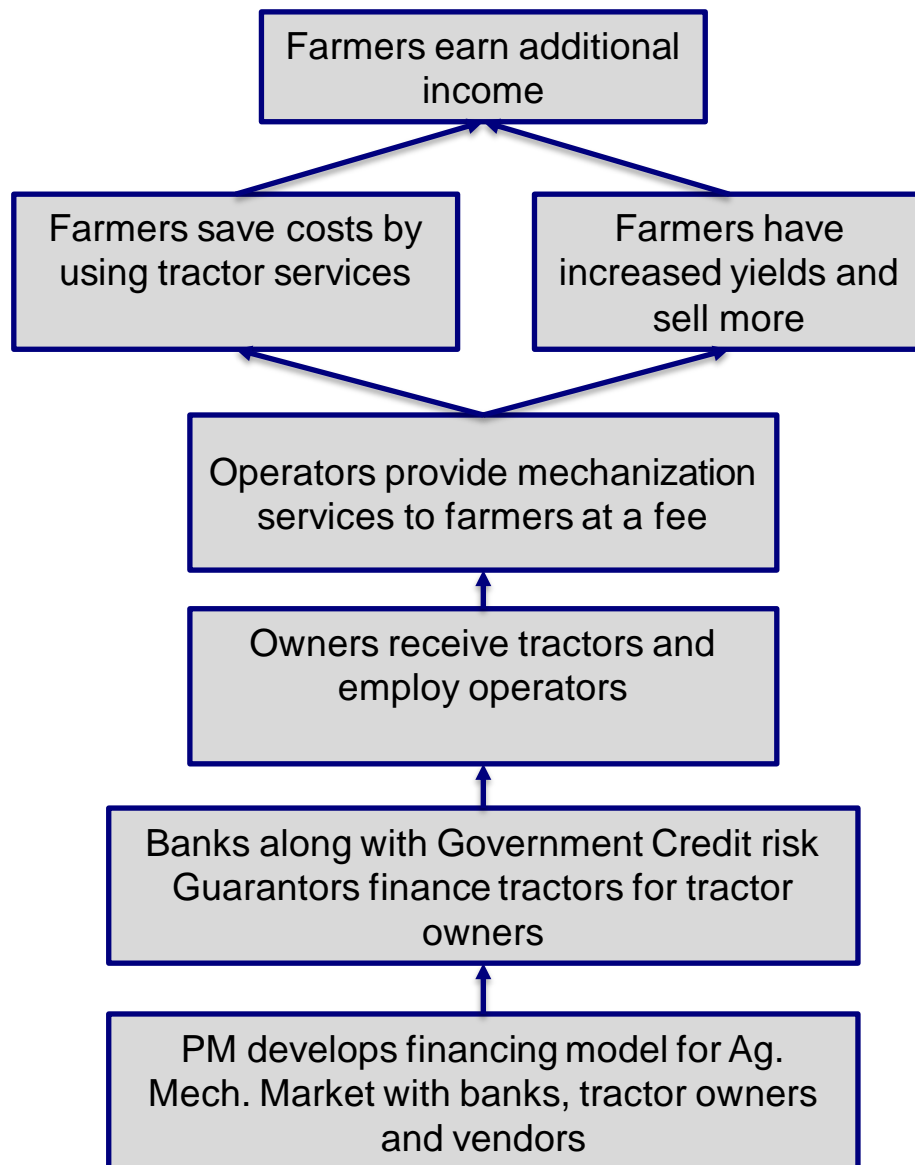
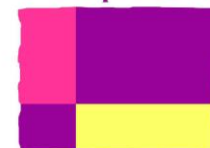


- Reducing incidence of rhizome rot by using bio-fungicide



- PPI \$2.50/day, Proxy- Farmers owning/renting 0.5 ha of land or less, of which up to 0.15ha is used for ginger
  - Counterfactual- 'What would the yields have been had the farmers not used and applied the BM?'





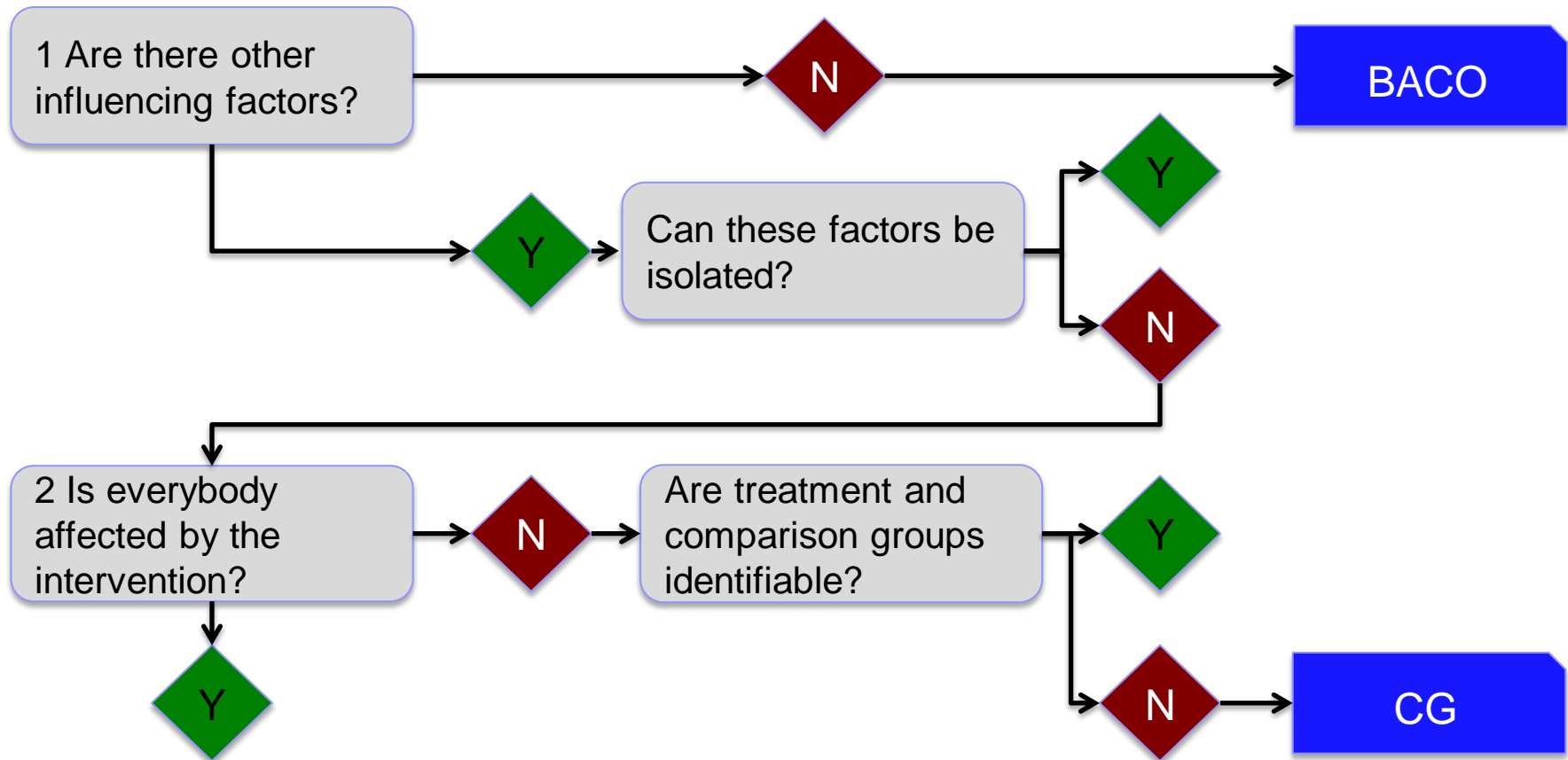
**Increase the supply and use of commercial tractor services for farmers in Northern Nigeria.**

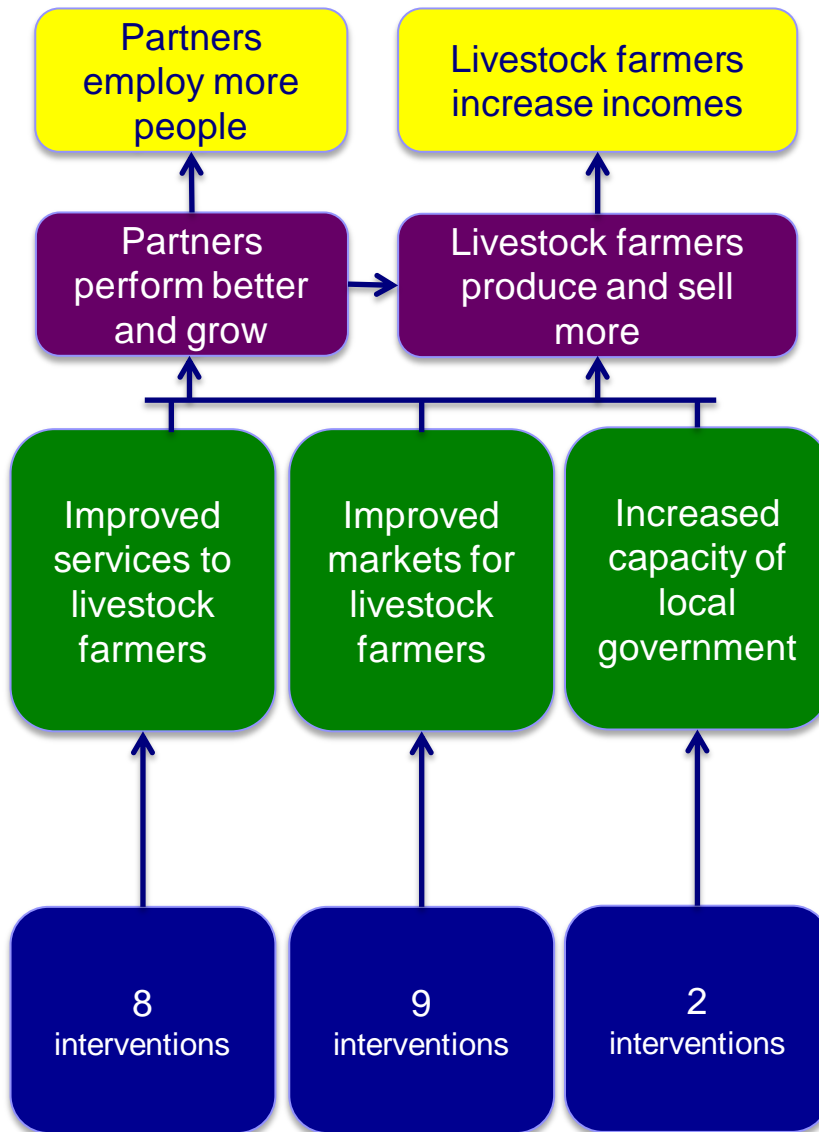
**Partners:**

TOHFAN, Agro Pro, ACT-AFINA, FCMB, NIRSAL, Co-tek, etc.

**Counterfactual:**

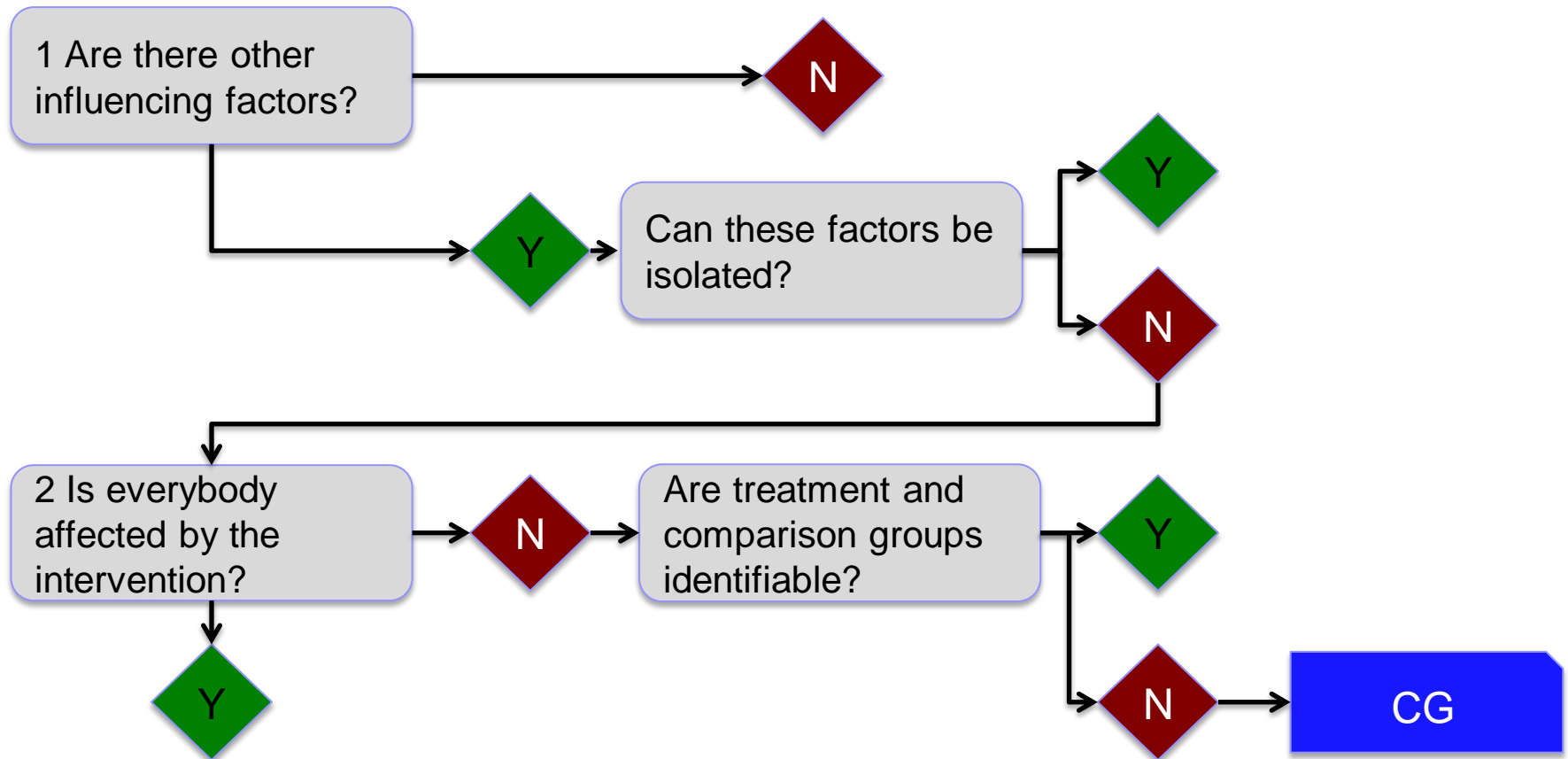
1. The cost of land preparation when not using tractor services
2. The yield when not using tractor services





- **Goal:** Poverty alleviation and transition to durable market economy for livestock sector
- **Partners:** Private sector enterprises (processors, vets, others ) and Government agencies
- **Beneficiaries:** livestock farmers
- **Business models:** 19 business models with different partners
- **The counterfactual:** livestock farmers producing and selling products not using any of these services and products





Before we go for  
coffee...

