

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

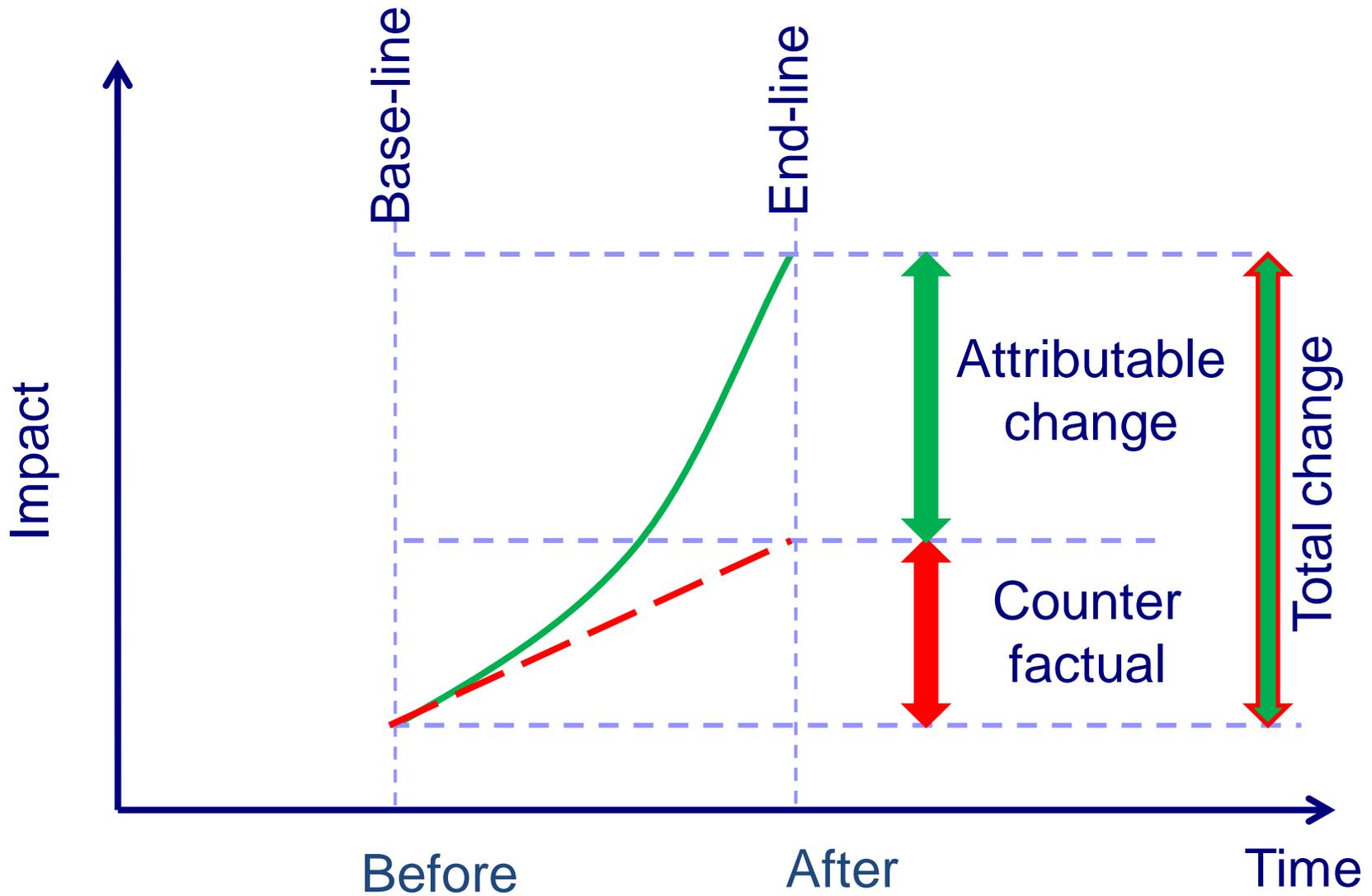


Is this the result of our intervention?

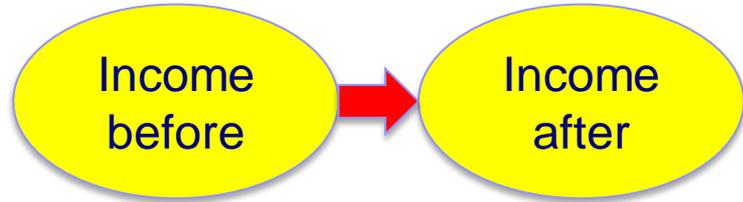


Why it's
important

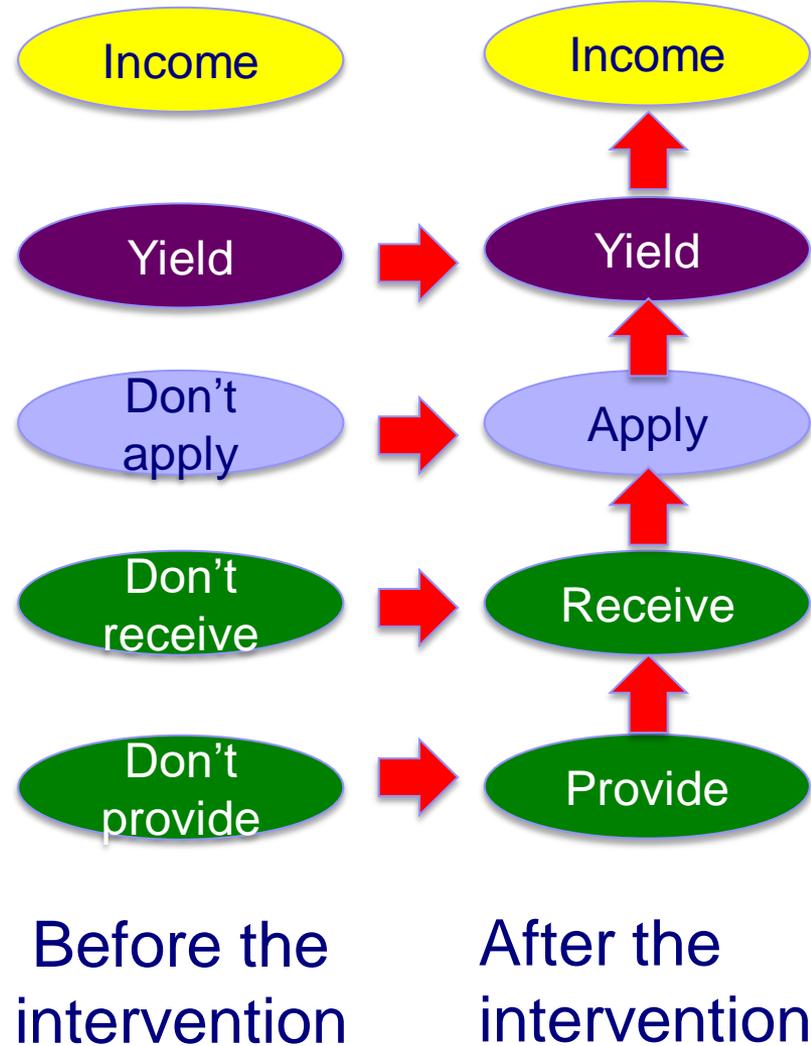
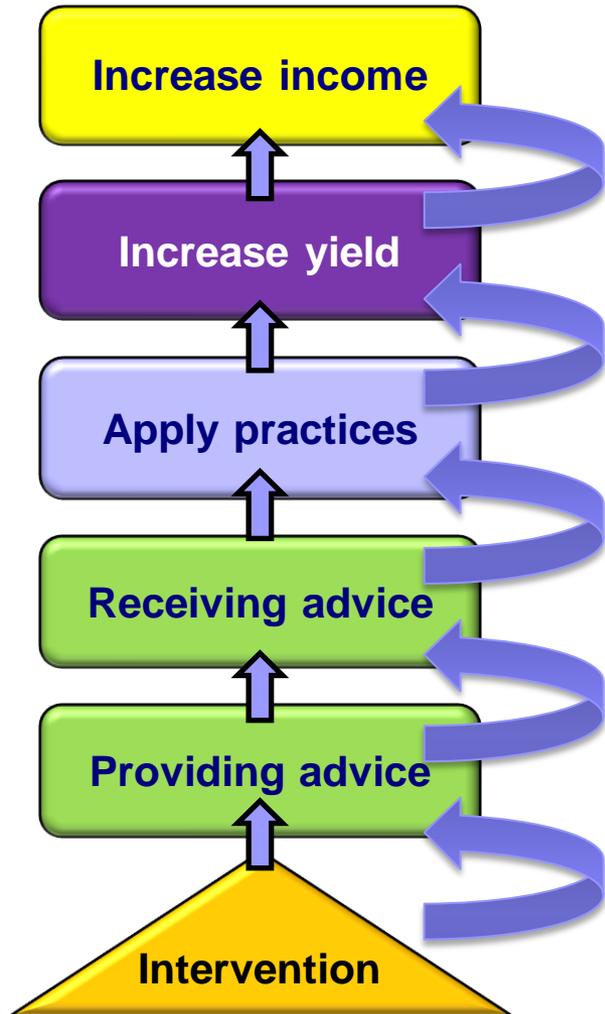




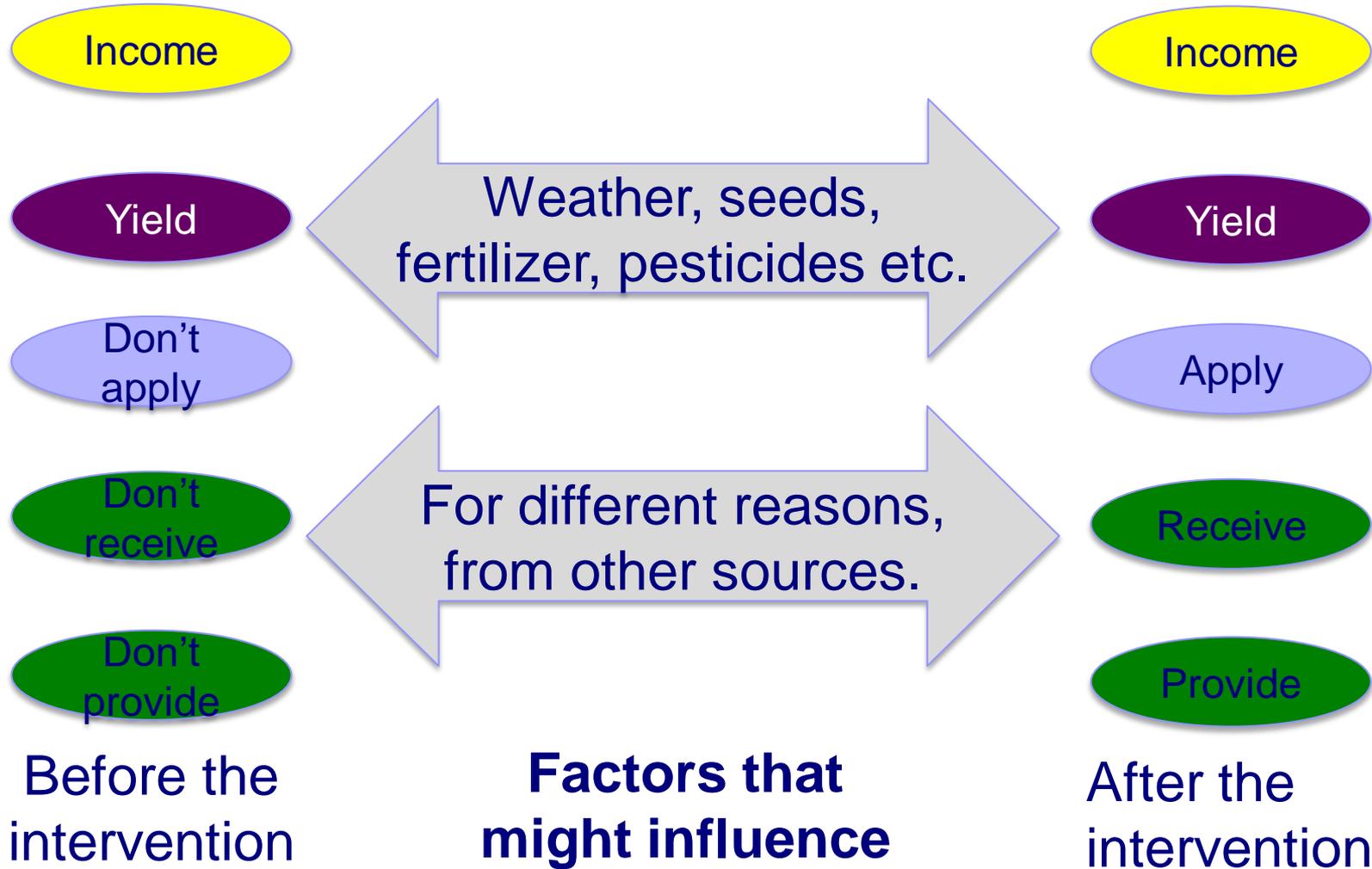
First Question: are changes due to the intervention logic?



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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.

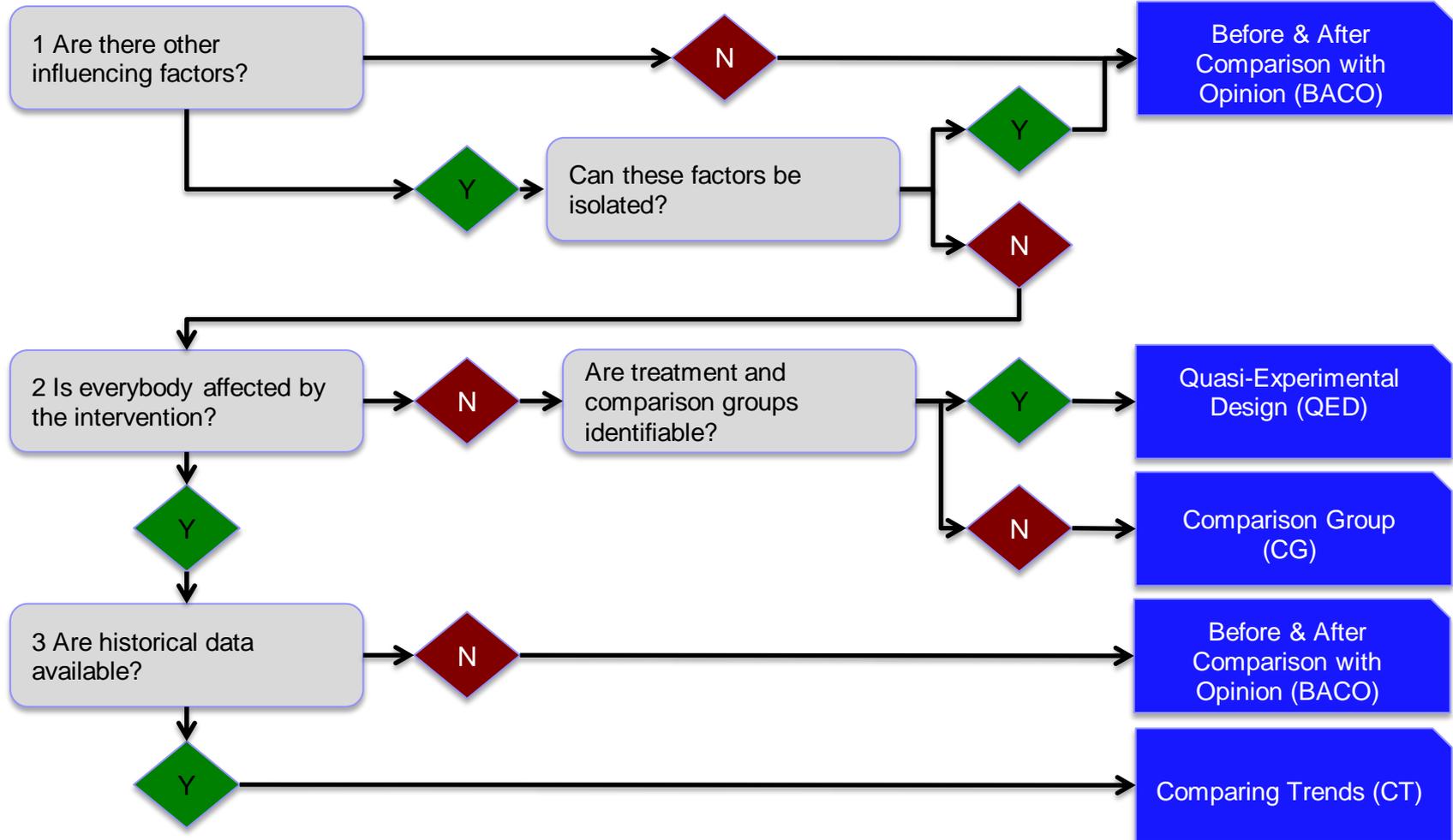
Today:

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



Questions

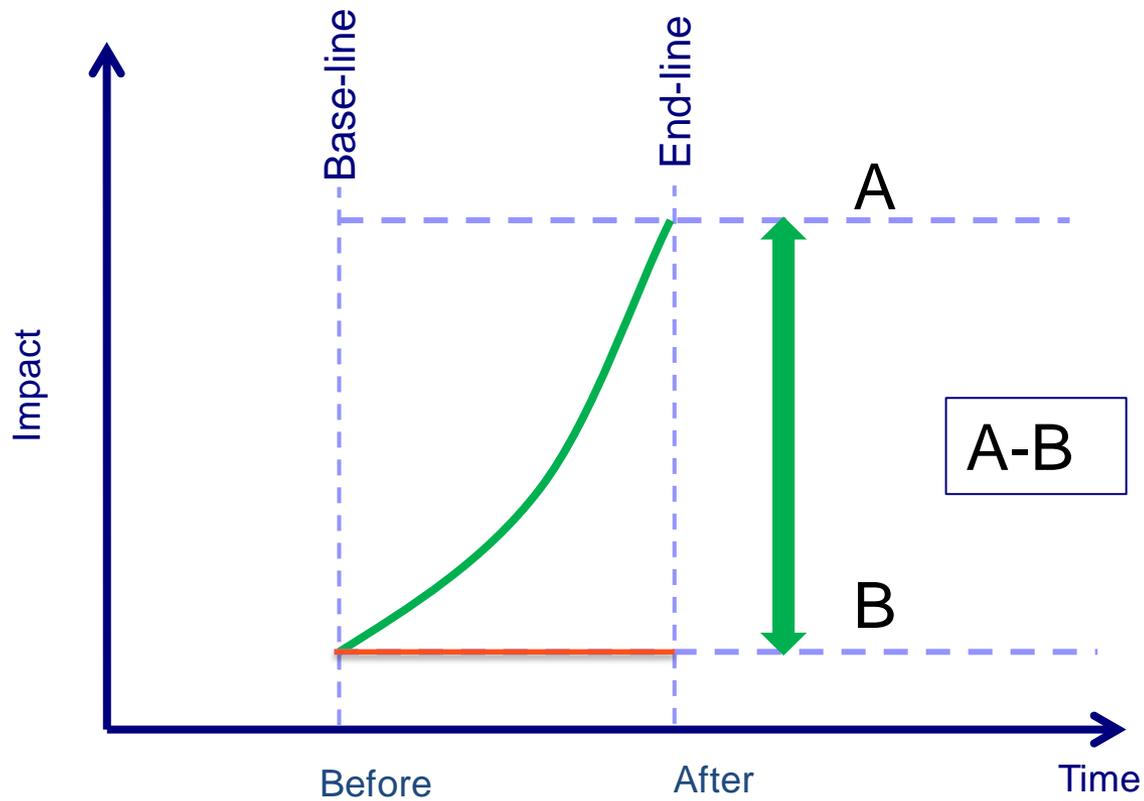
Attribution method

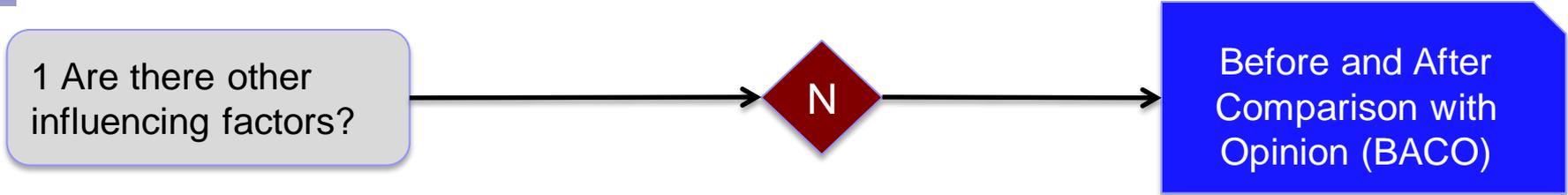


1 Are there other influencing factors?

N

Before & After Comparison with Opinion (BACO)





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

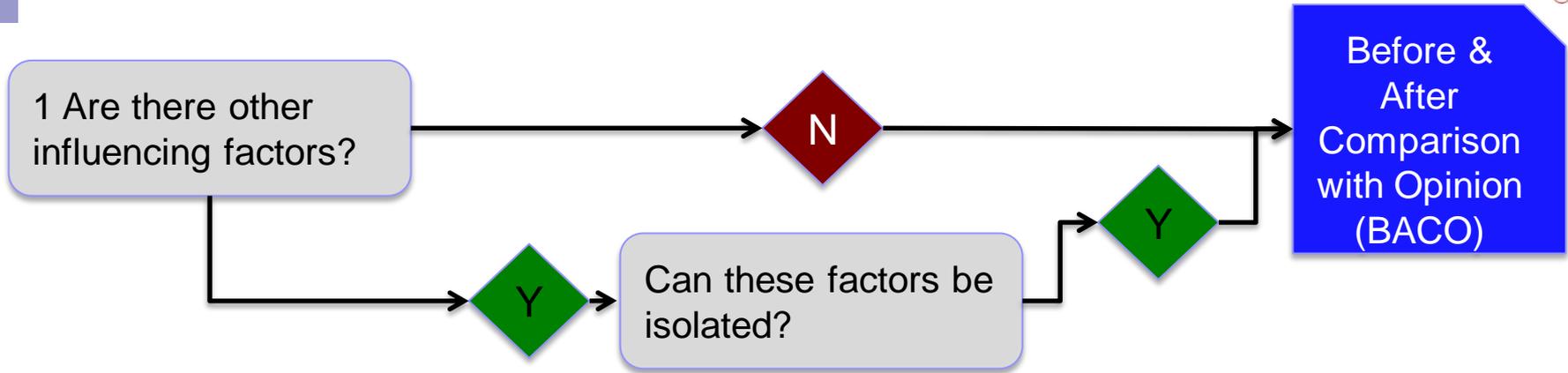
- forgetting other factors

- Estimating the significance of change

- assuming everything influences everything

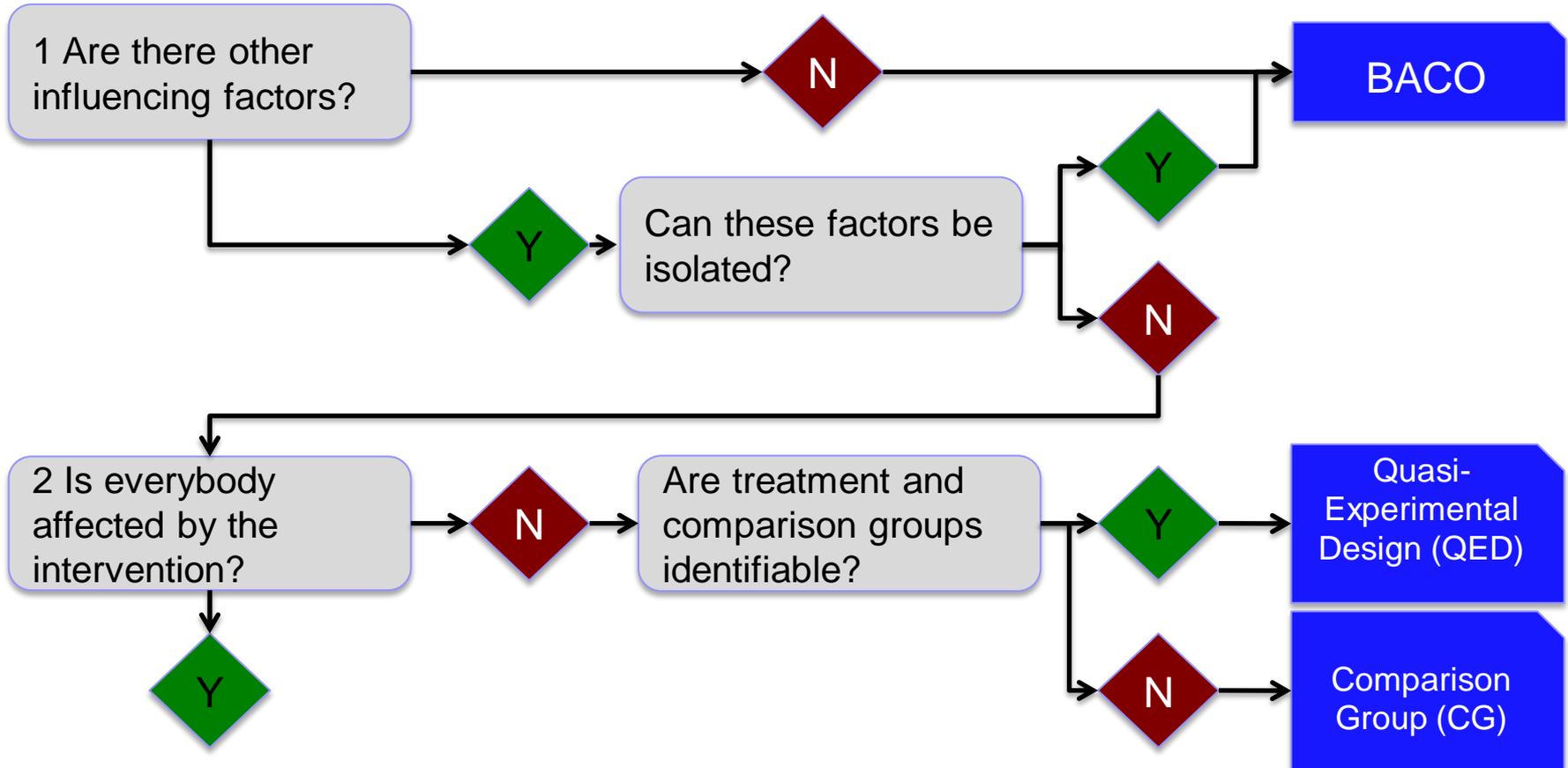
- Has the counterfactual been constant over the past years?

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

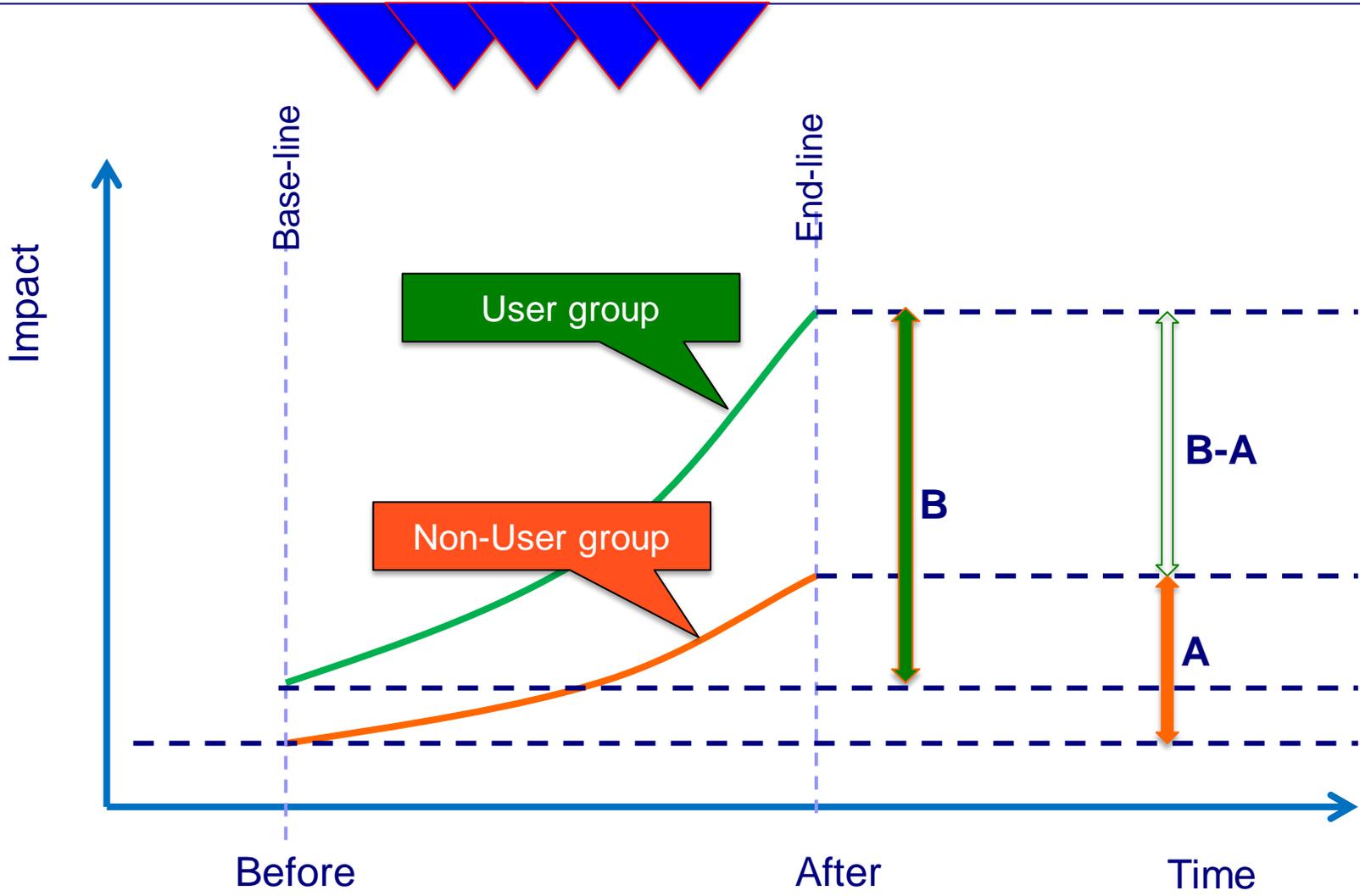


- Remove respondents from your sample if only few of them were exposed to one or two external factors.

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

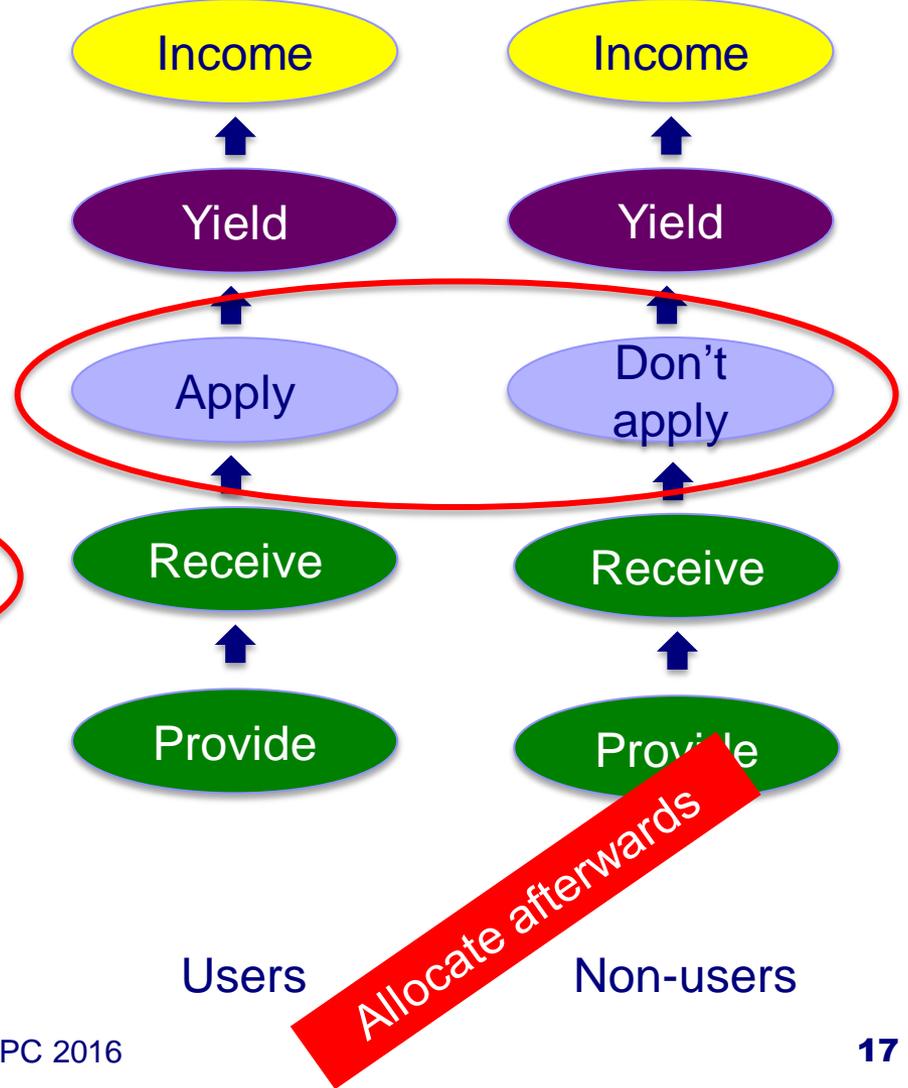
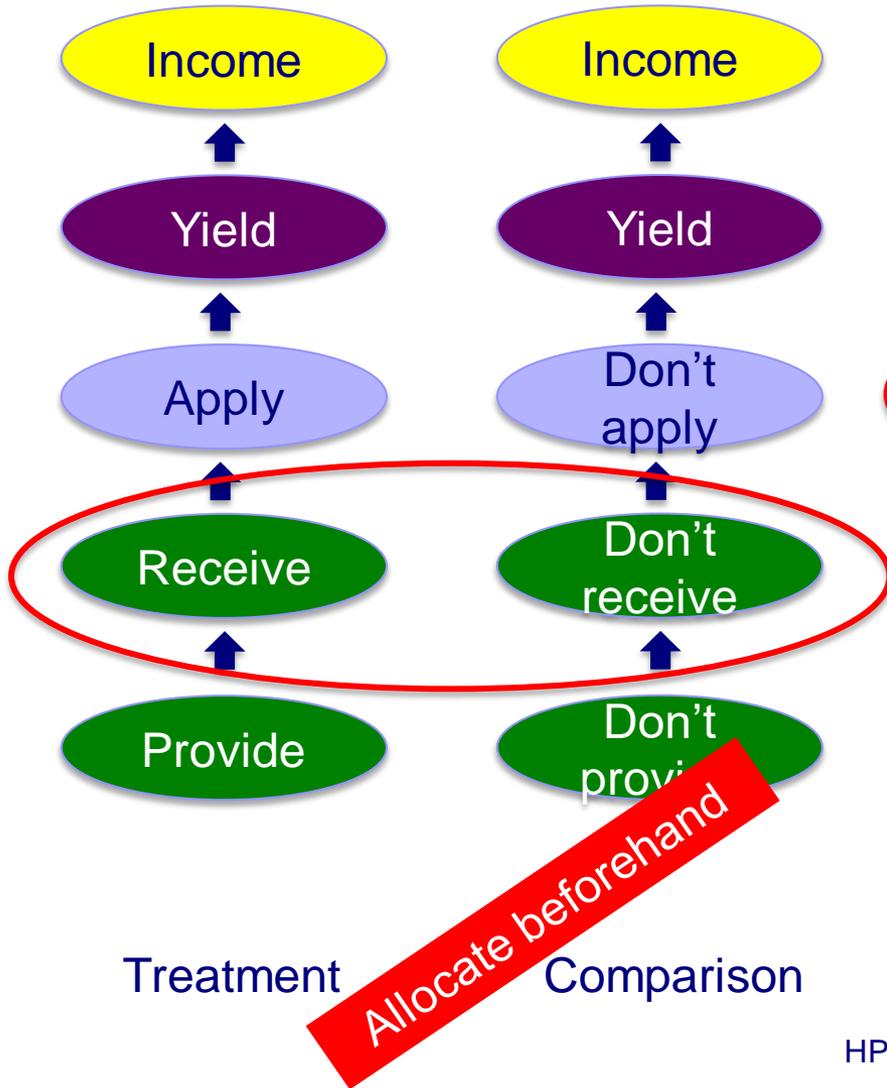


Both groups exposed to the same external factors



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



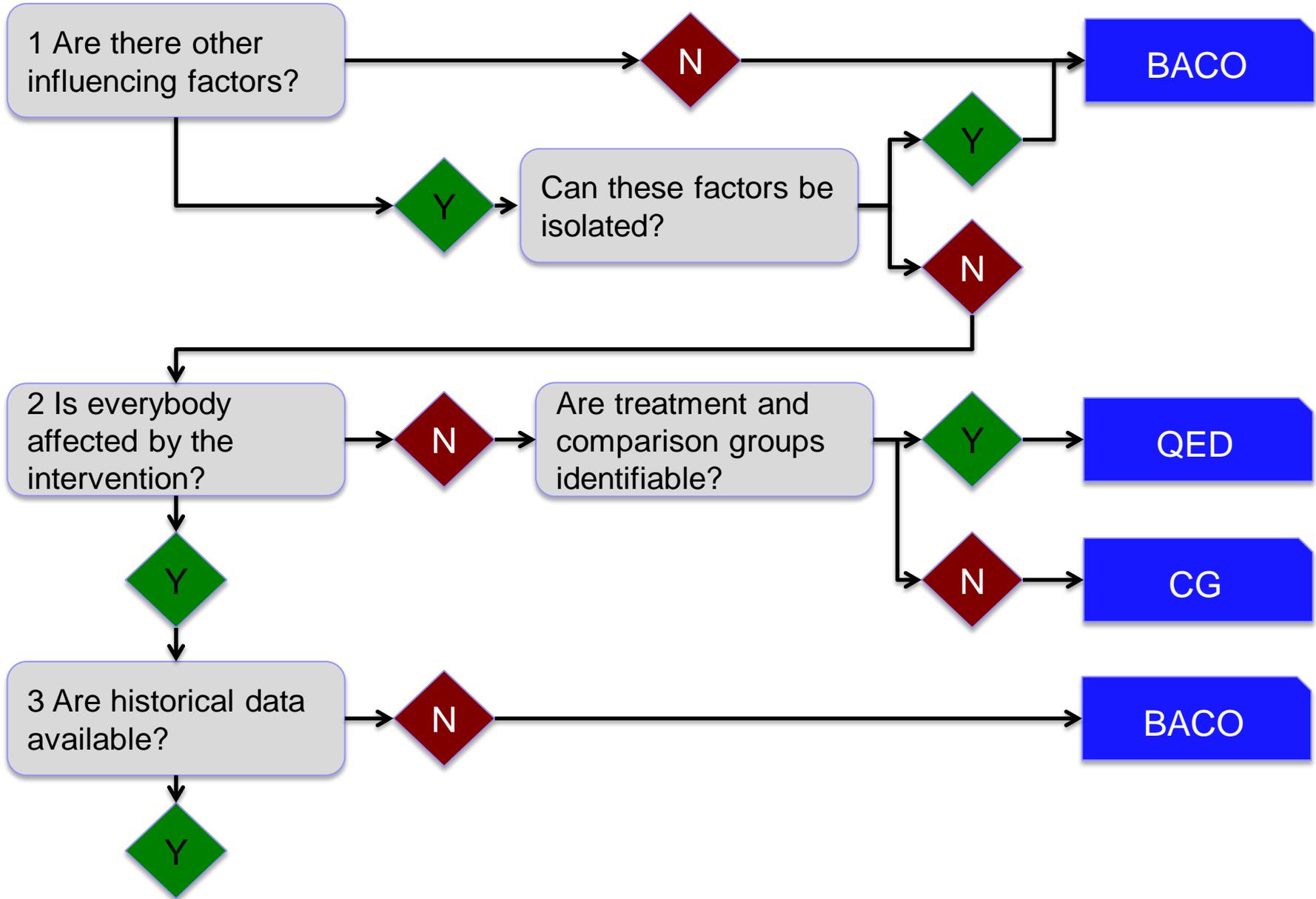
- Self-selection is not important

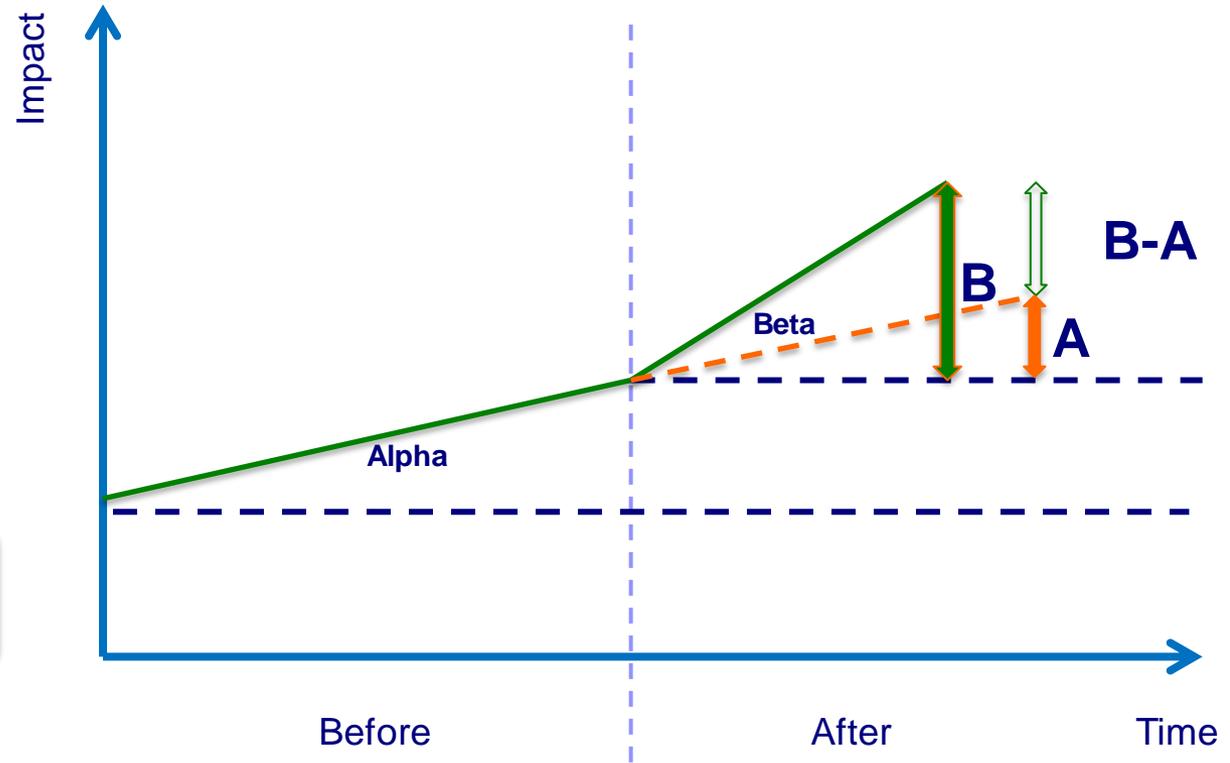
Treatment

Comparison

Users

Non-users





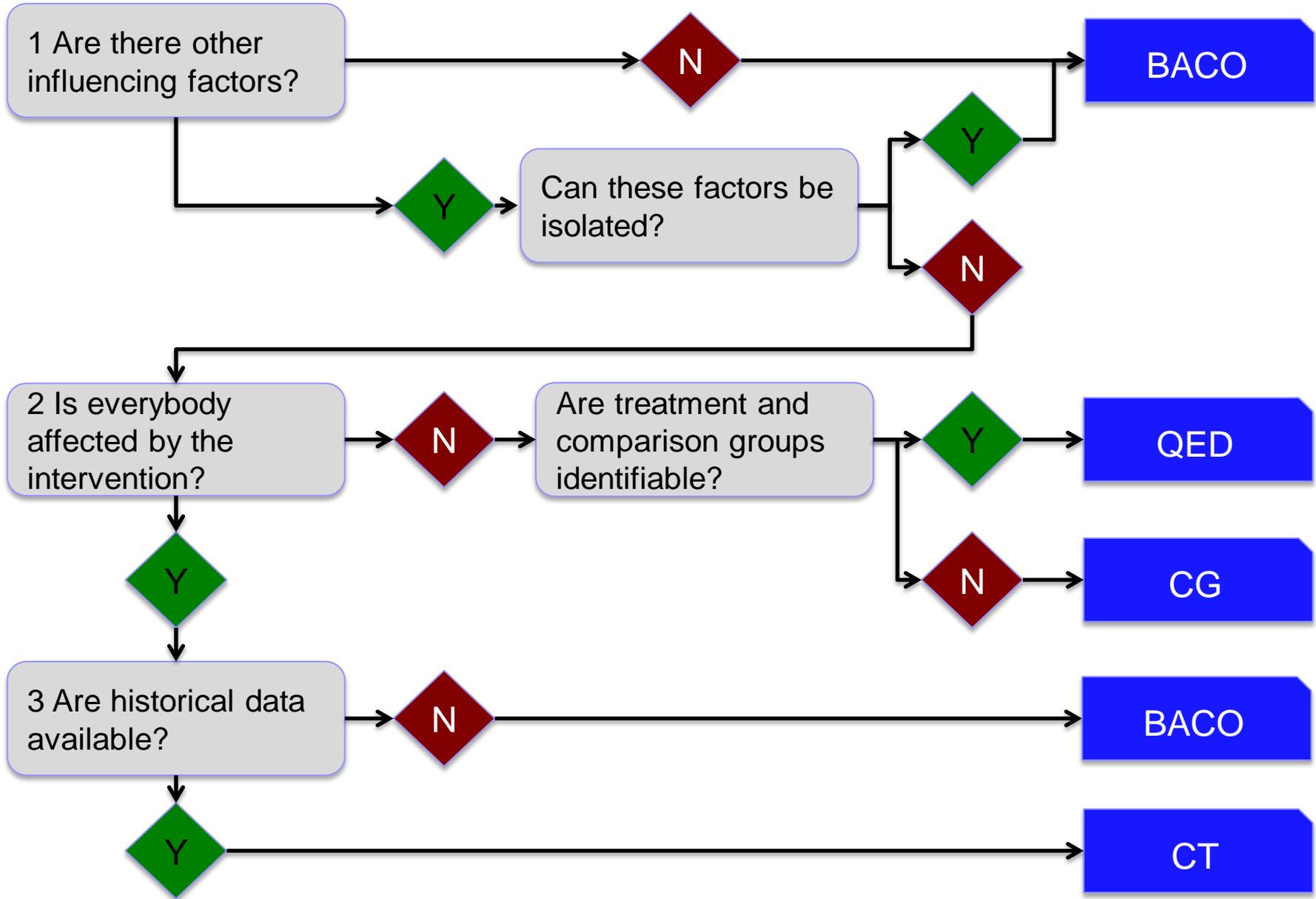
2 Is everybody affected by the intervention?



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




swisscontact



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



 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC

Poverty Level

Farmers earn net additional income

New jobs created

Sector Level

Farmers increase rice cultivation to sell to Acelda on a commercial basis

Acelda sells processed rice to domestic market

Outcome Level

Farmers sell paddy to Acelda for local processing

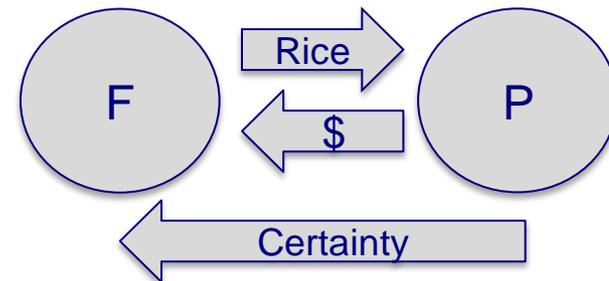
Acelda processes paddy into high quality milled rice and packages for domestic market

Output Level

Acelda communicates to farmers that it will buy local paddy from farmers regularly to supply to rising domestic market for processed rice

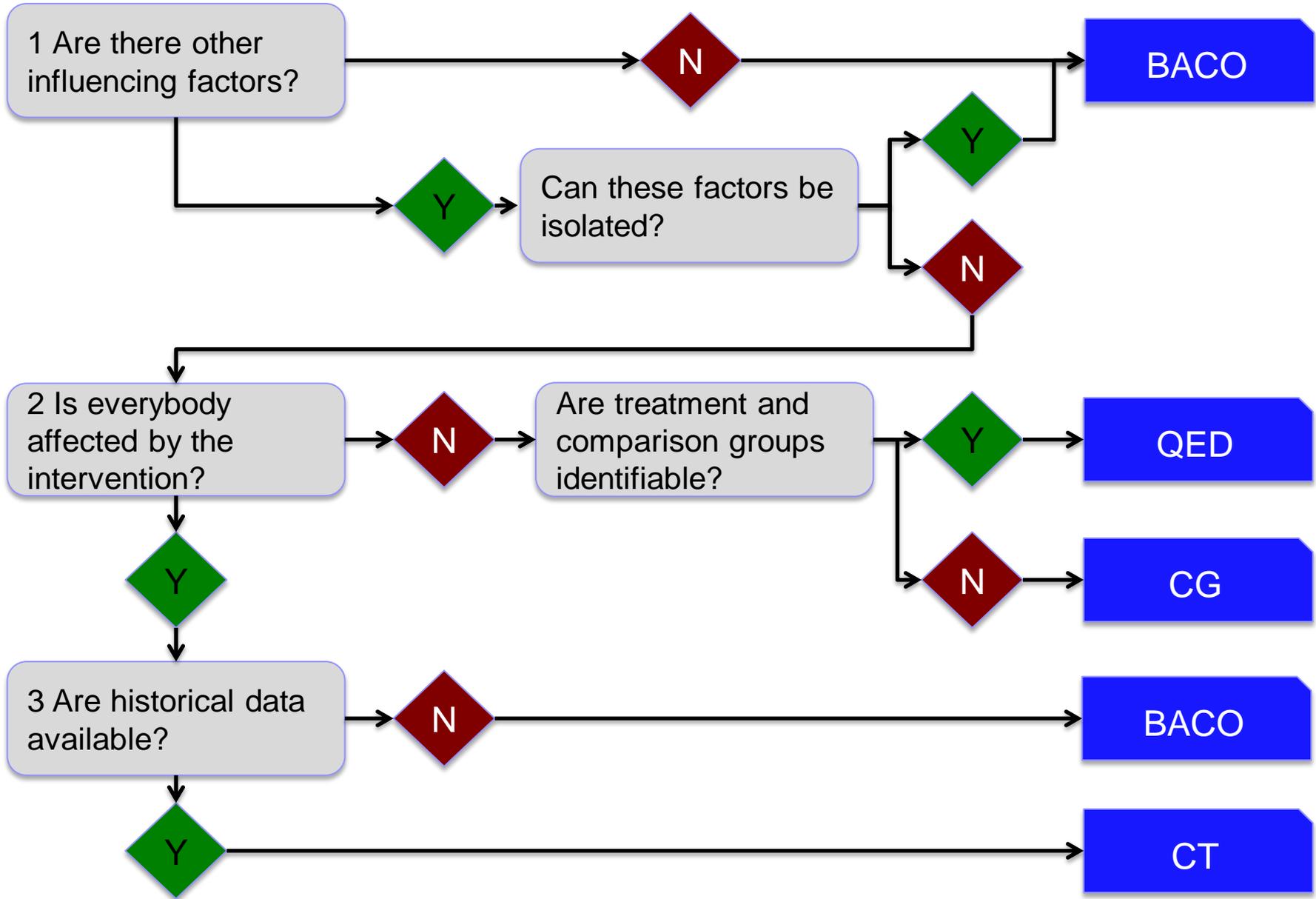
Acelda is well equipped and able to manage procurement of paddy from local farmers

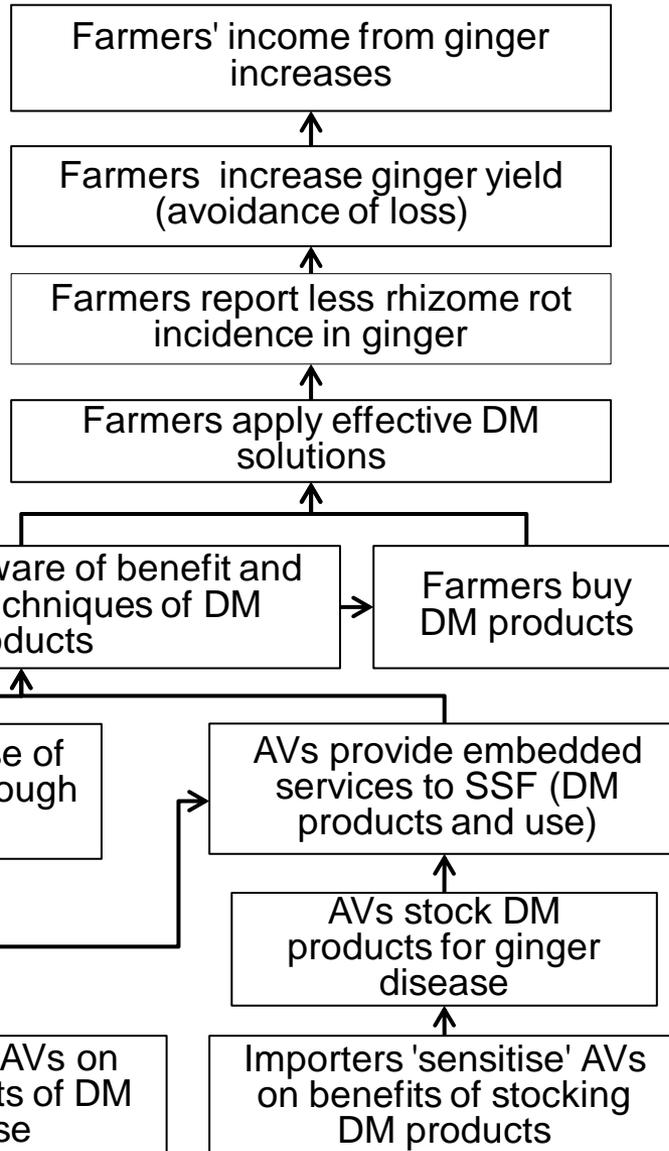
- Connectivity between producers and market
- Partner- Acelda Unipessoal Lda
- Target beneficiaries - Farmers selling paddy to Acelda



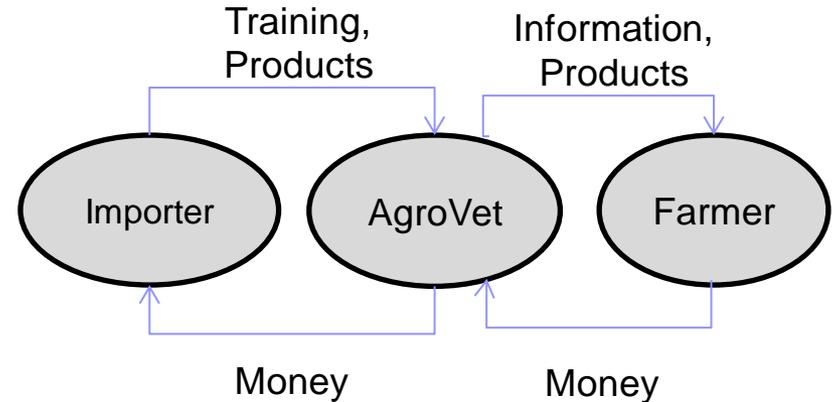
- Counterfactual- *'What would the farmers have done with the rice production had Acelda not bought it?'*



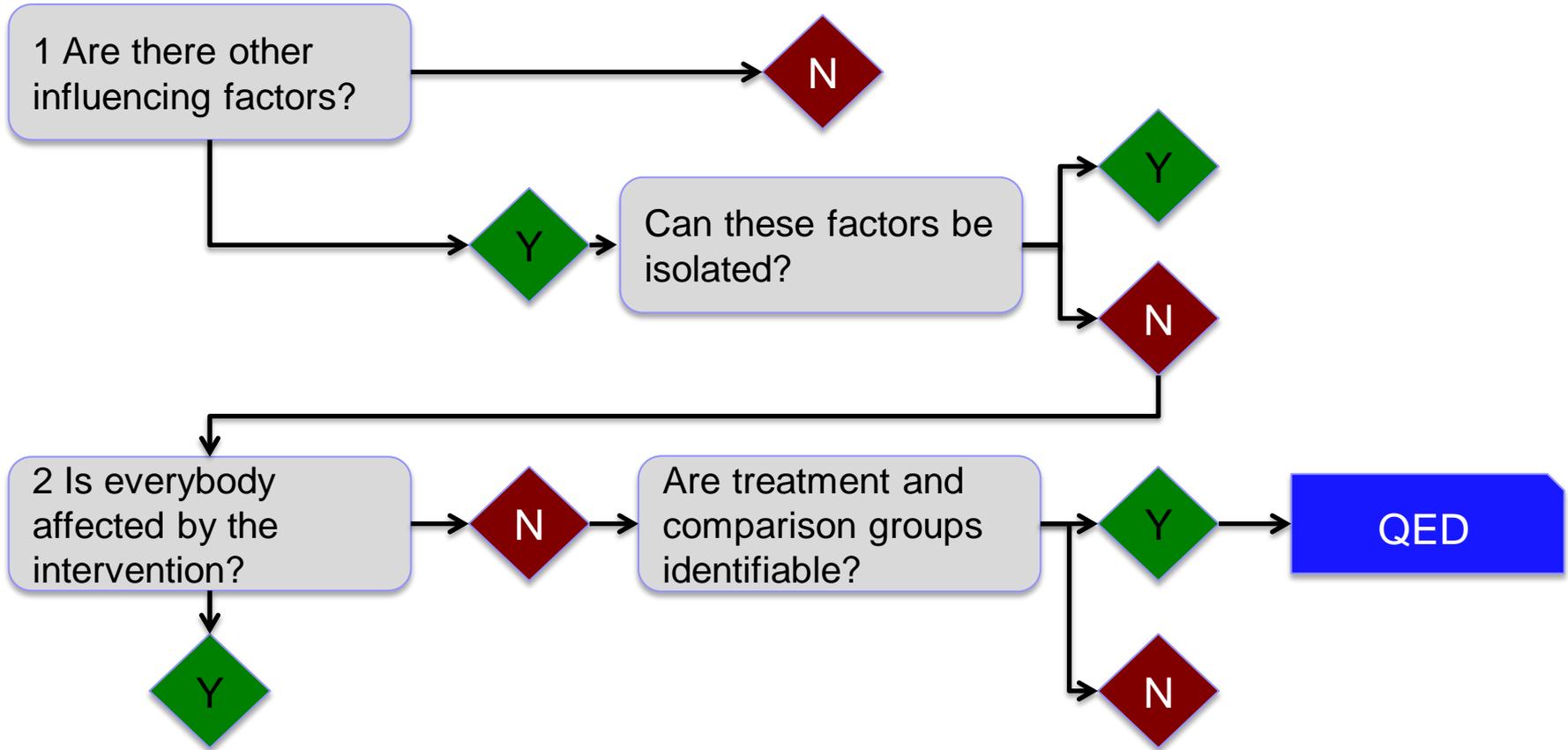


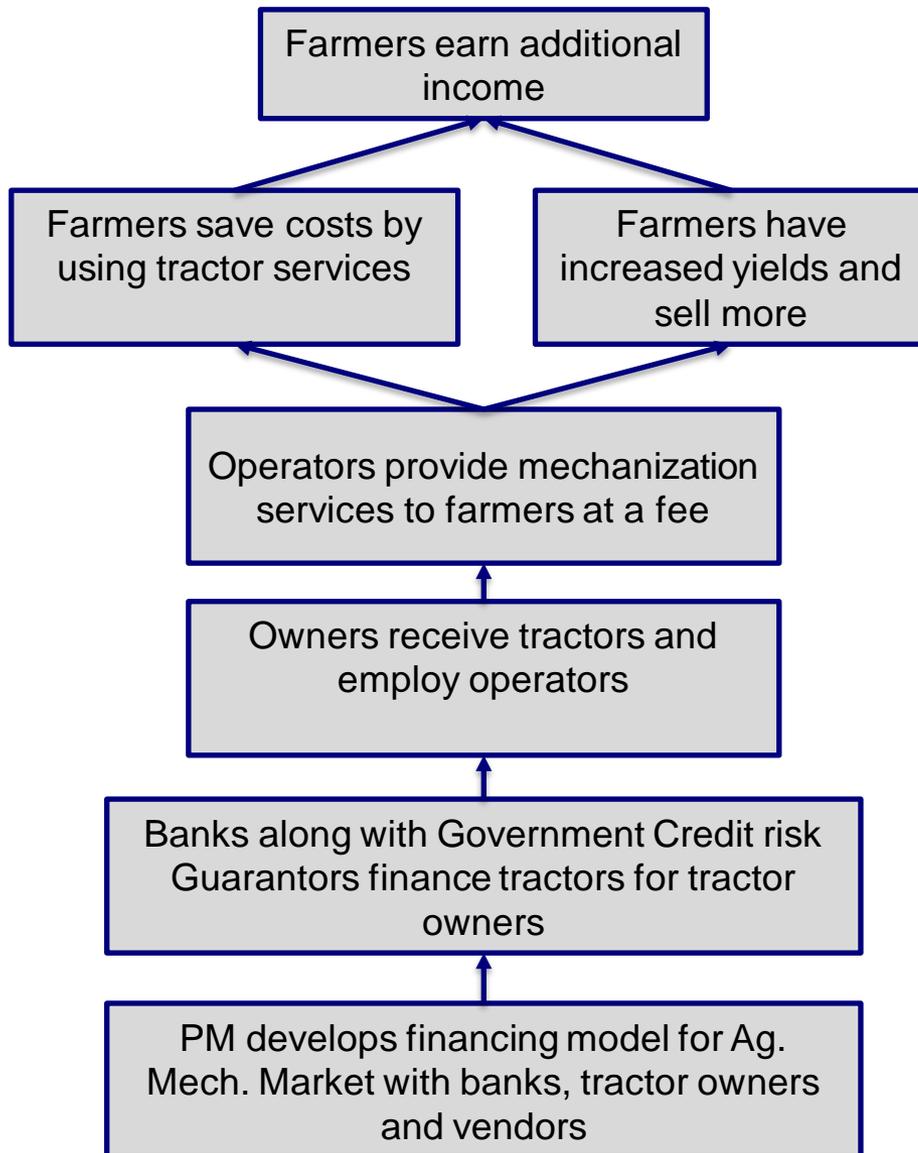
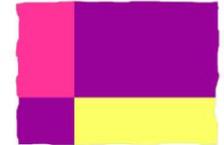


- Reducing incidence of rhizome rot by using bio-fungicide



- 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?’*





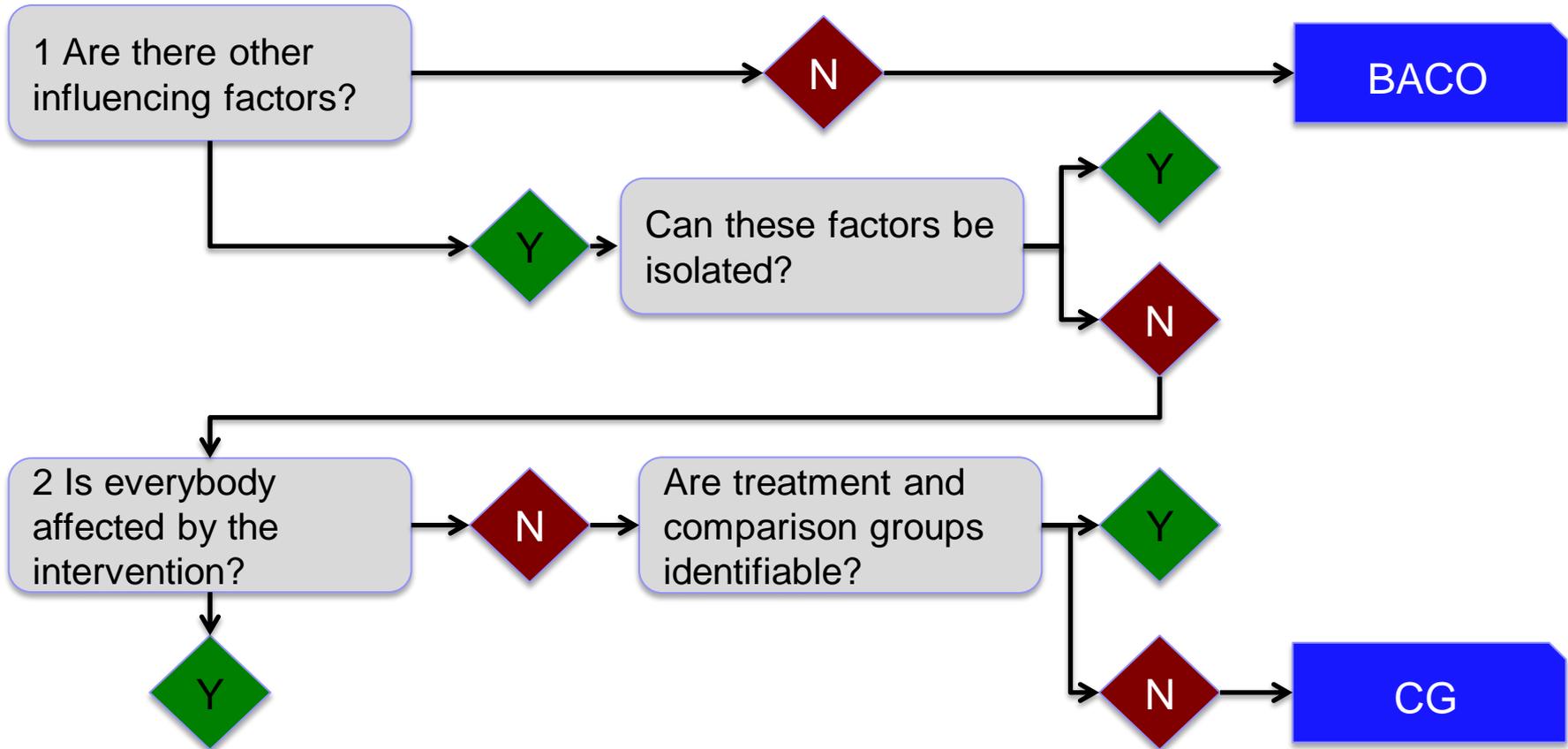
Increase the supply and use of commercial tractor services for farmers in Northern Nigeria.

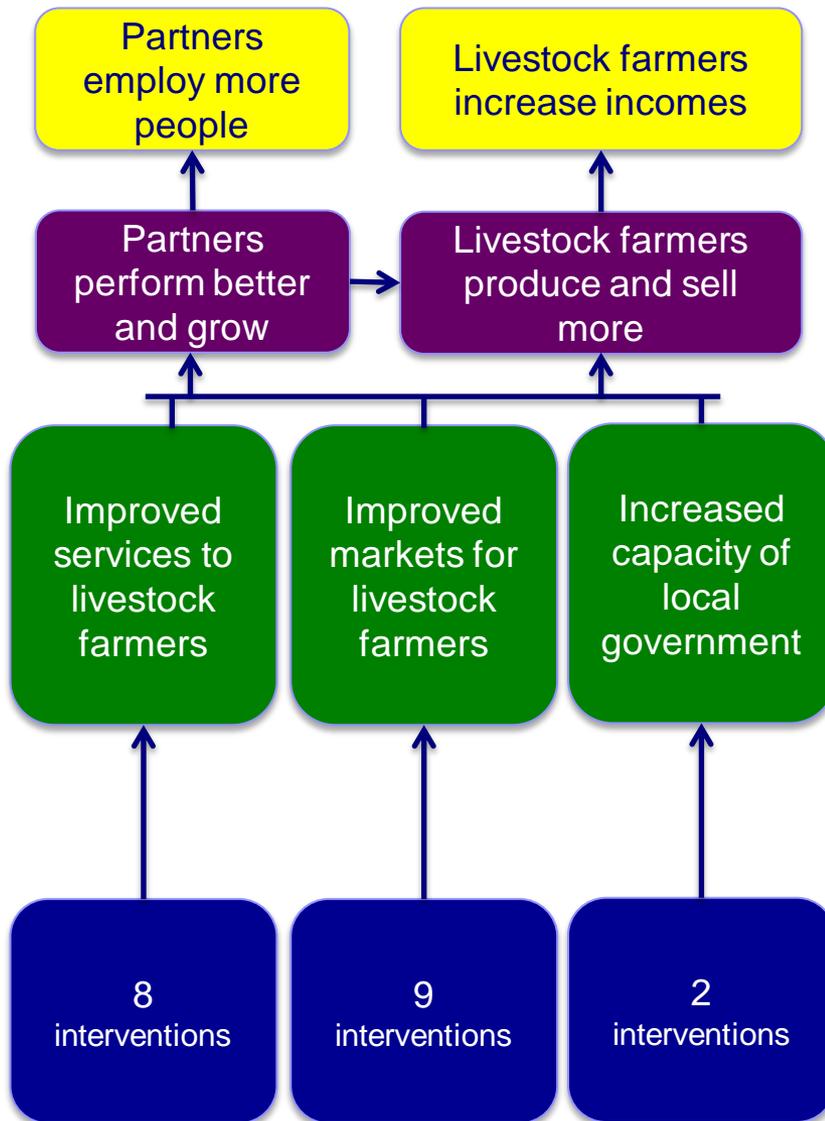
Partners:

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

Counterfactual:

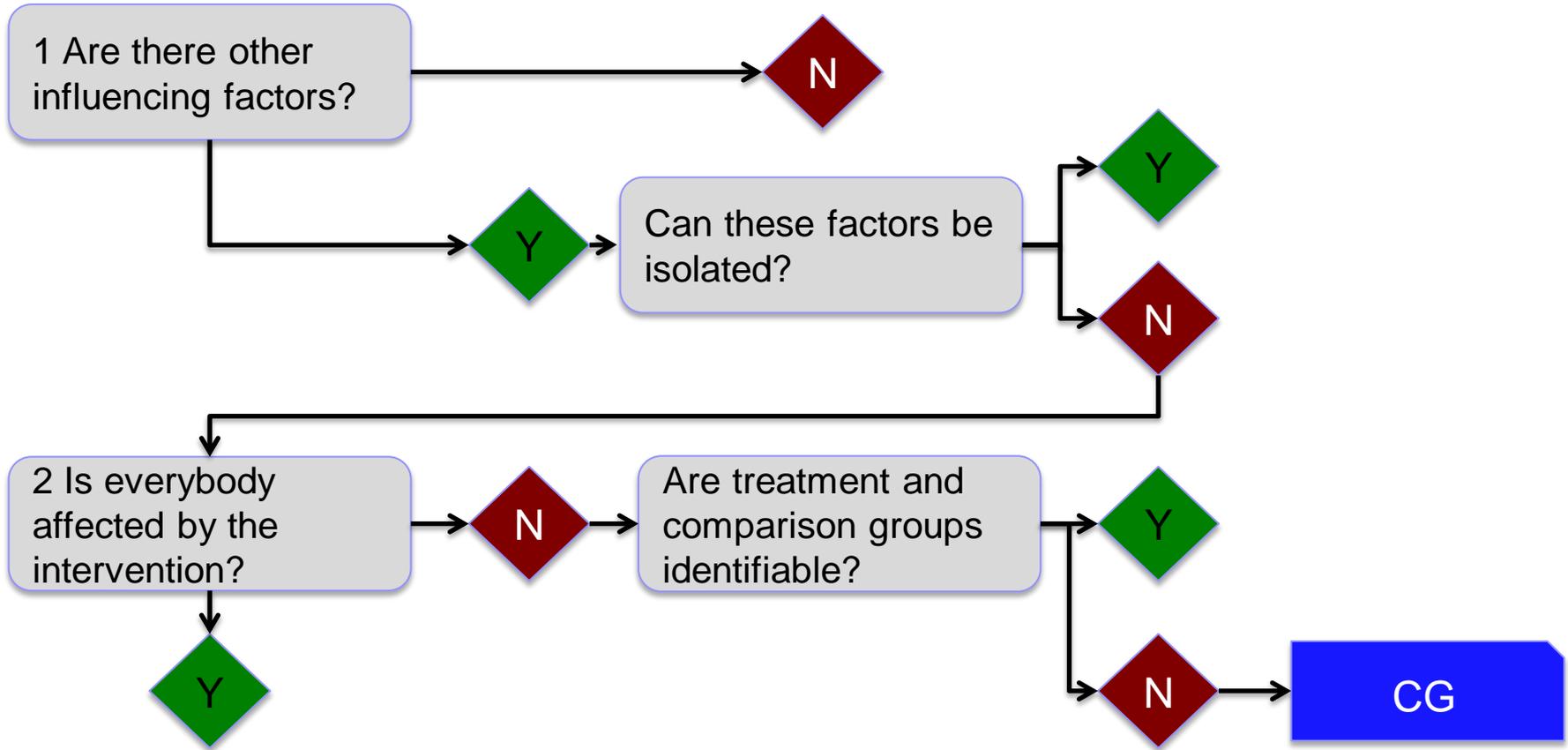
1. The cost of land preparation when not using tractor services
2. The yield when not using tractor services





- **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...

