

Theory of Change / Problem Tree

Keith Bettinger

East-West Center

Consultant: UNDP, UN Environment, USAID

Logframe Example: Legazpi City, Philippines

PROJECT DEV. OBJECTIVE : BUILD RESILIENCE TO CLIMATE CHANGE AND ENHANCE AGRICULTURAL PRODUCTIVITY TO IMPROVE THE LIVELIHOOD OF SMALL-SCALE FARMERS IN LEGAZPI CITY

IMPACTS

- ENHANCED FOOD SECURITY
- IMPROVED INCOME OF SMALL-SCALE FARMERS

OUTCOMES

- INCREASED YIELD & QUALITY and SUSTAINABILITY OF AGRI PRODUCTS
- COMPETITIVE FARM GATE PRICES
- INCREASED INCOME OF WOMEN & MEN FARMERS

OUTPUTS

- RIGHT FERTILIZERS & NUTRIENTS APPLIED
- FARMING TECHNOLOGIES ACQUIRED BY W/M FARMERS
- INFORMATION ACCESS PROVIDED TO W/M FARMERS
- FARMERS ADOPT CLIMATE-ADAPTIVE & PEST RESISTANT CROP VARIETIES

ACTIVITIES

- DISTRIBUTE NPK FERTILIZERS w/ESSENTIAL NUTRIENTS TO BENEFICIARIES
- CONDUCT SEMINAR ON FARMING Technologies
- ESTABLISH AGRICULTURAL DATABASE & INFORMATION SYSTEM
- DISTRIBUTE CLIMATE-ADAPTIVE & PEST-RESISTANT PLANTS/SEEDS

ASSUMPTIONS

- SUSTAINED DEMAND FOR FARM PRODUCTS

- STABLE PRICES FOR F&Ns

- FUNDING SUPPORT ASSURED

INPUTS

- LOGISTICS
- HUMAN POWER, EQUIPMENT
- TECHNOLOGY
- FUNDING/FINANCES
- INSTITUTIONAL ARRANGEMENTS

RISKS

- INCIDENCE OF A SERIES OF HIGH IMPACT DISASTERS

- PRICE SPECULATIONS CREATING ARTIFICIAL SHORTAGE

- ACCEPTANCE OF W/M FARMERS OF FARMING TECHNOLOGY & NEED for LARGER STAKEHOLDER PARTICIPATION

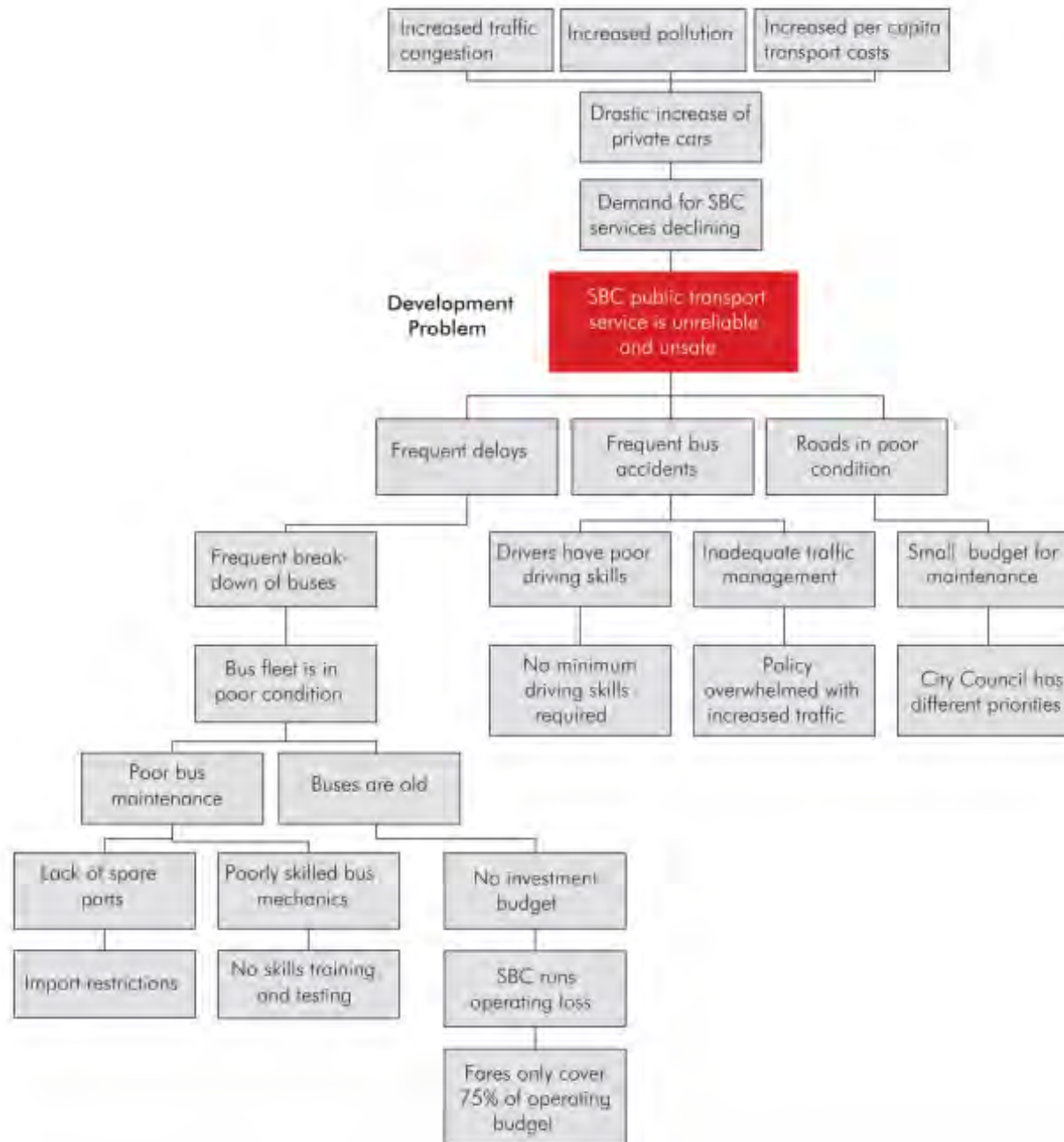
- AVAILABILITY OF PLANTS/ SEEDS LOCALLY

WELL-INFORMED Educated FARMERS

PRIORITY one of the PRIORITIES

Making your case...

- ALL PROJECTS MUST BE BUILT ON A SOLID UNDERSTANDING OF THE “DEVELOPMENT PROBLEM”
- This explains “why” you think your project will work!!!
- “Theory of Change” is a narrative/graphical statement of the “problem” and the “intervention”
- Feeds directly into logical framework...



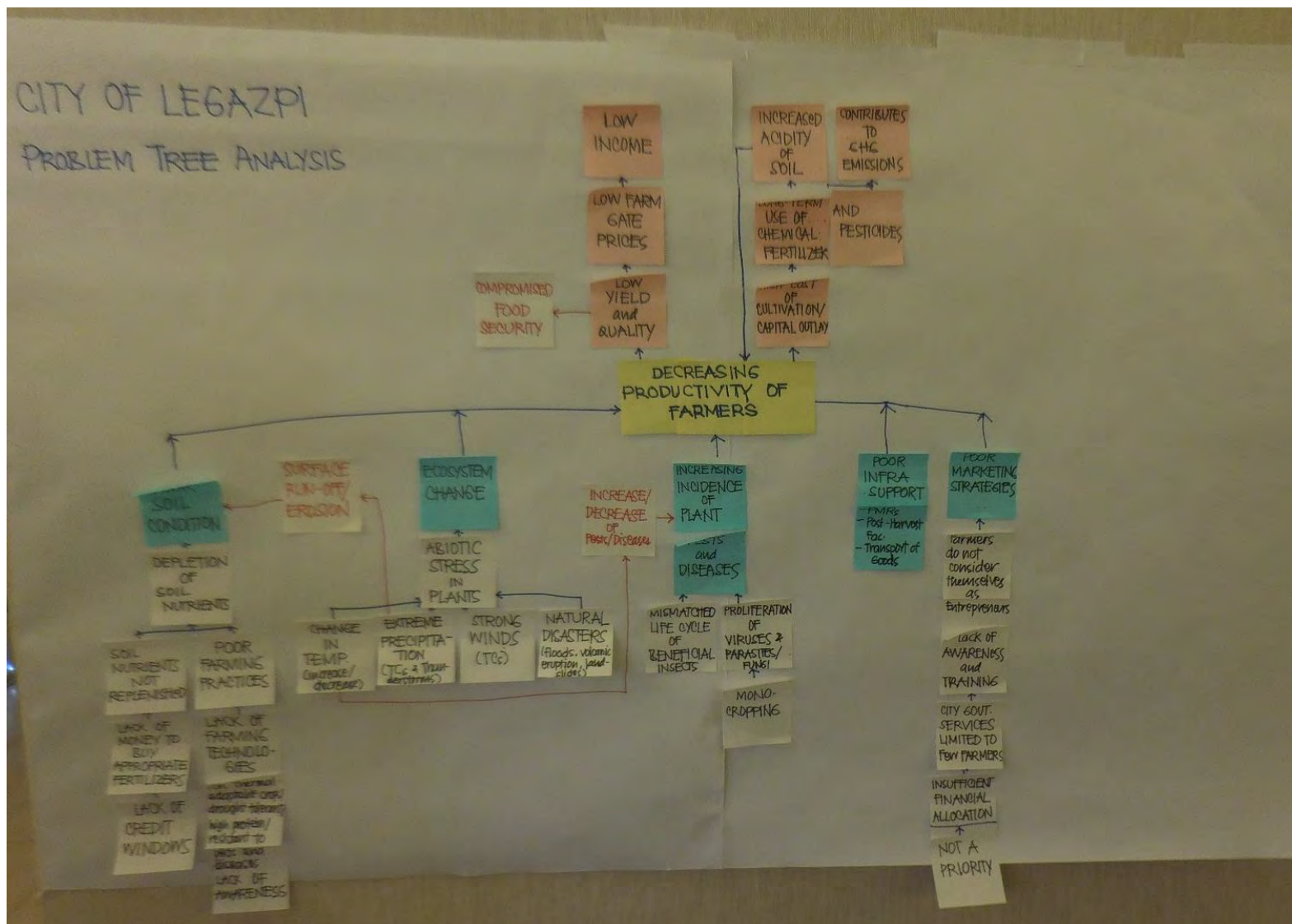
Problem Tree Best Practices

- Problems should be **evidence-based**
- Identify **cause and effect relationships**
- Immediate **causes** suggest the major aspects of the **core problem**
- Identify the **right problem!**
- **MUST BE PARTICIPATORY!**
- Allow time for **reflection and revision**

Problem Tree Example



Problem Tree Example: Legazpi City, Philippines



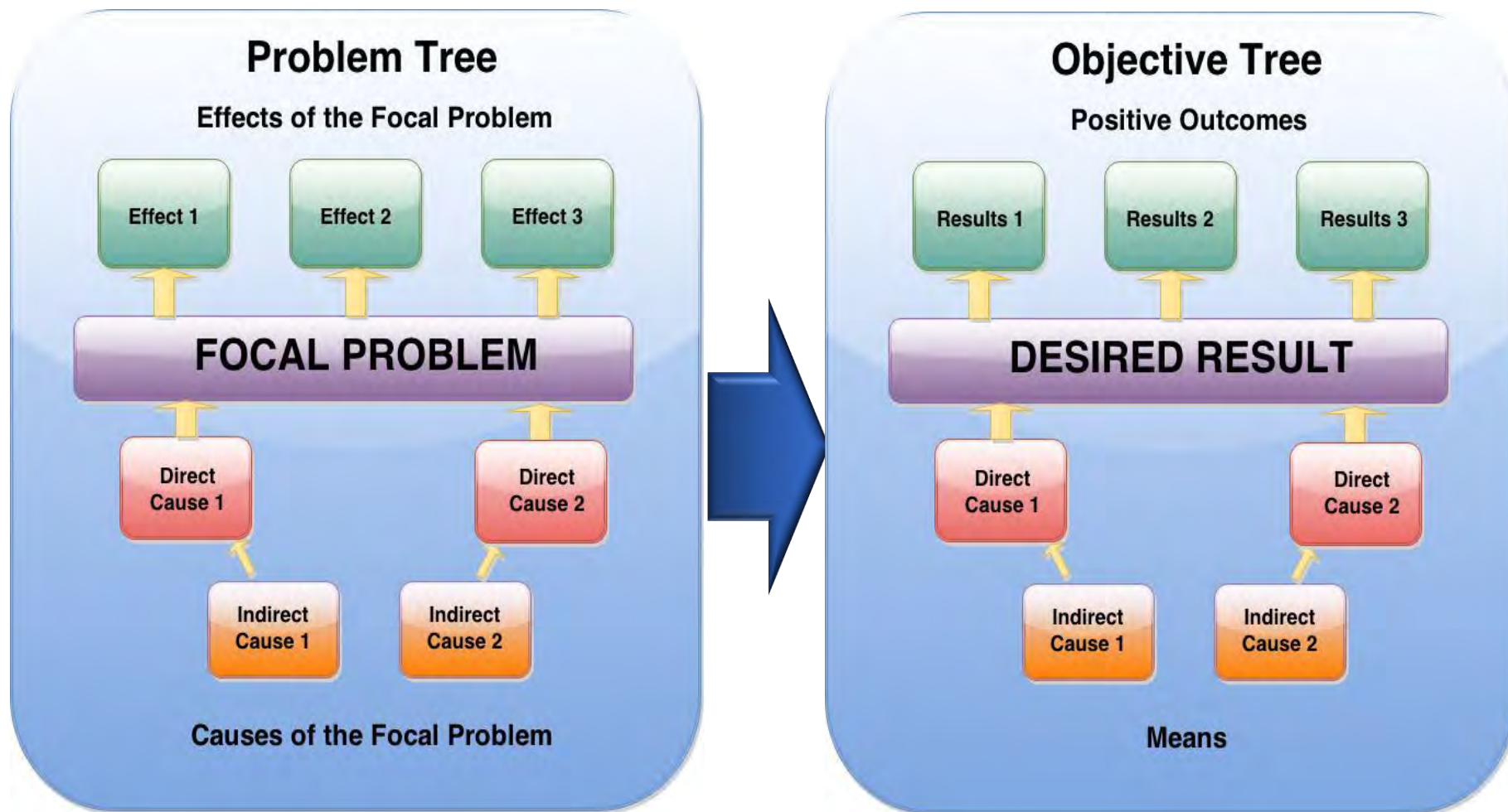
Developing YOUR Problem Tree

- **Divide into groups**
- **Use the flipchart/whiteboard**
- **Inclusive discussions**
- **Reflect on structure**
- **Report on your findings**

Step 2: Develop an Objectives Tree

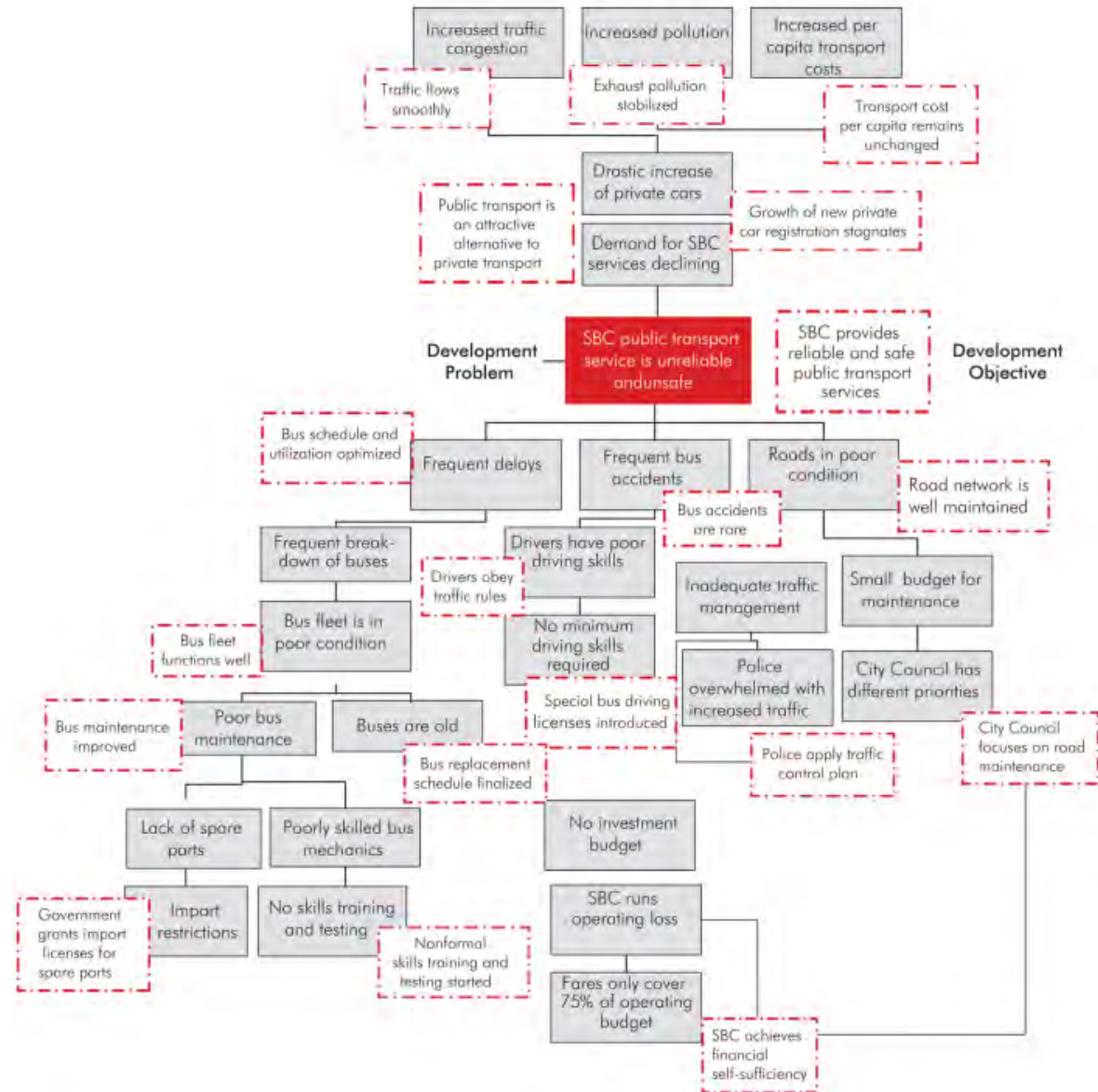
1. Now, reverse **negative statements** from the problem tree into **positive ones**:
 - Imagine that the problem has already been solved!
 - “Reduced fisheries capture” → “sustained fisheries capture”
2. Modify the “**causes**” so they lead to the **desired effects**
 - “Habitat changed → habitat restored”
 - Thus, root causes become root solutions
 - Convert your problem tree to an objectives tree

Problems to Objectives

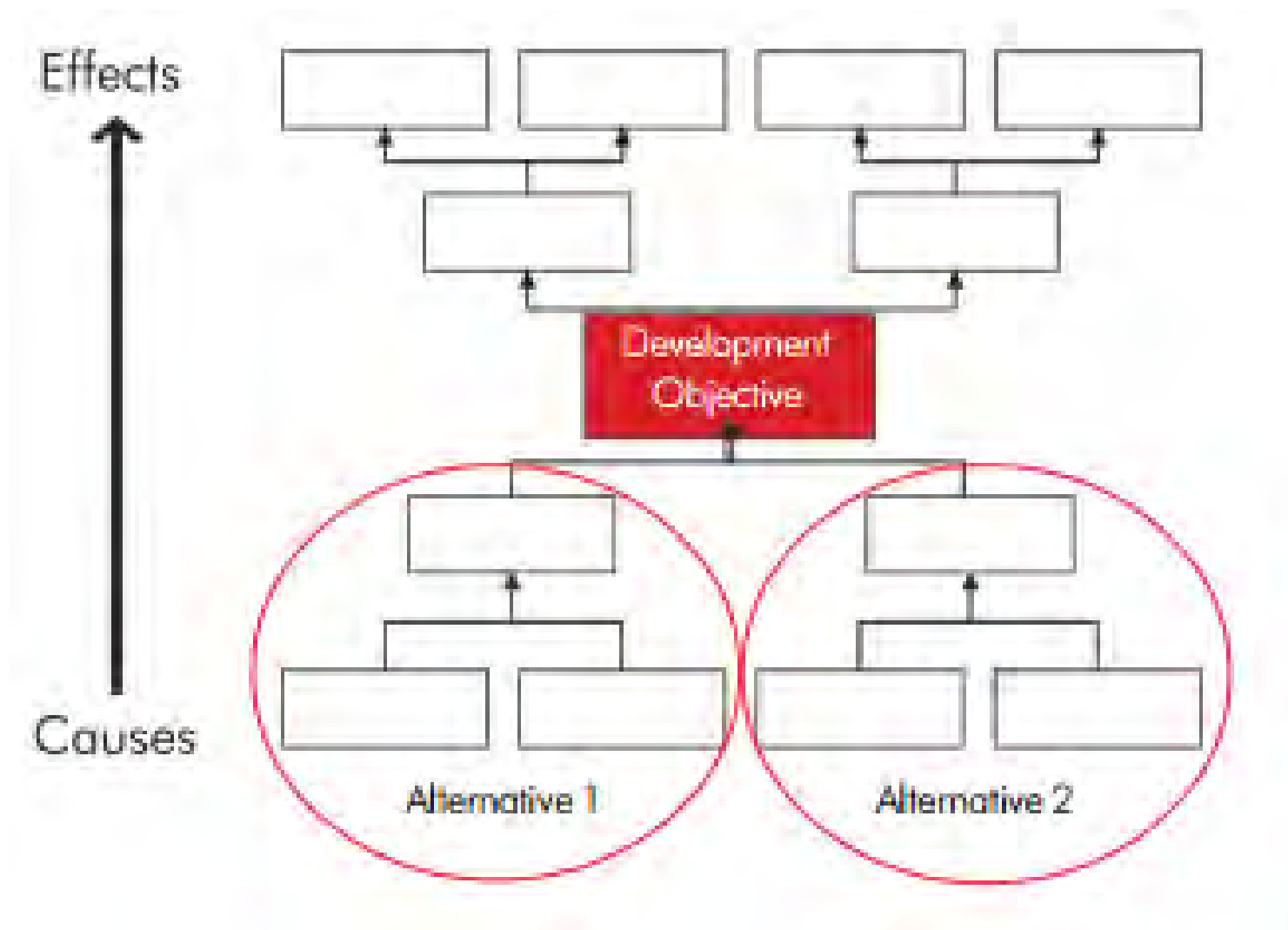


Objectives Tree Best Practices

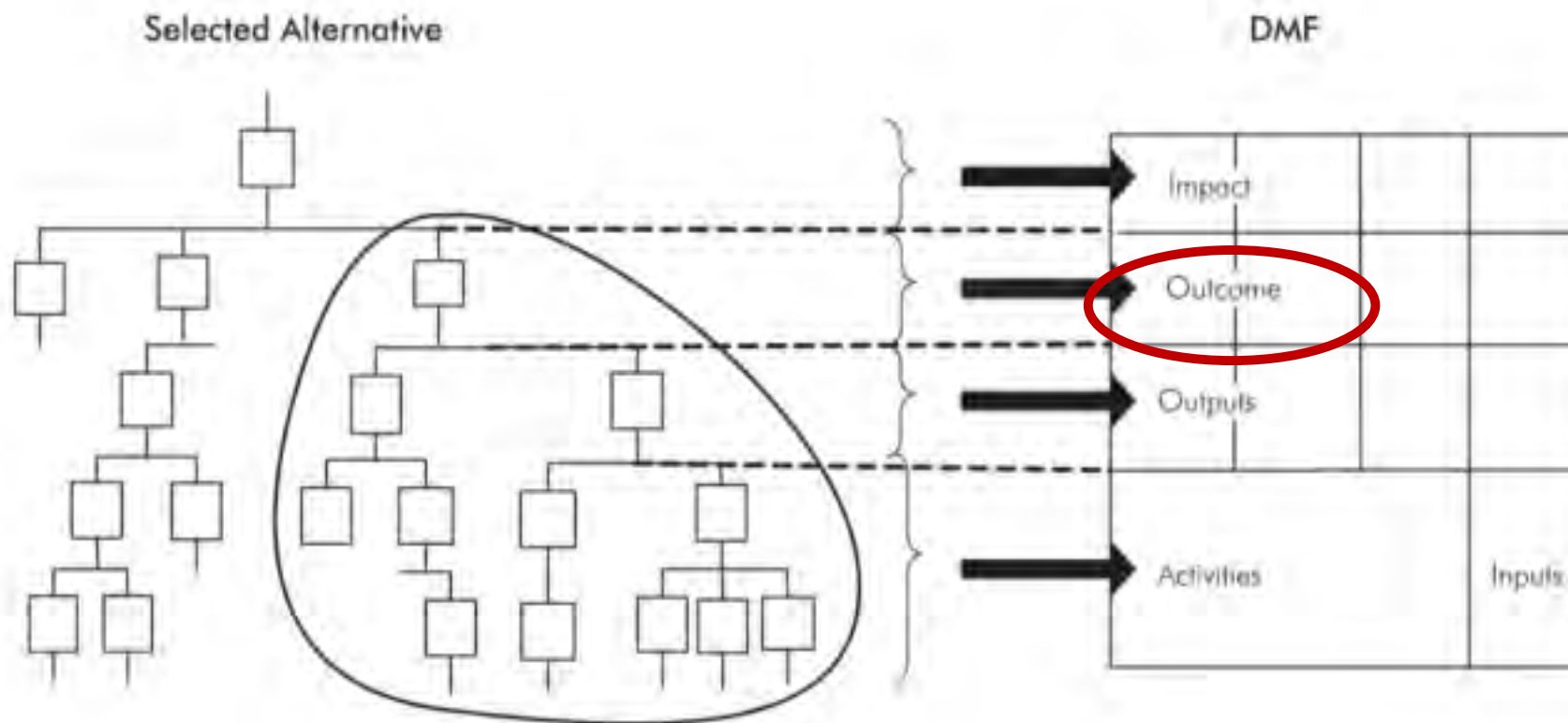
- Positive statements of the desired state of the system
- Are the statements **clear and unambiguous**?
- Are the **links** between each statement logical and **reasonable**?
- Is there a **need to add any other positive actions** and/or statements?
- Are the **positive actions at one level sufficient to lead to the result** in the level above it?
- Is the **overall structure simple and clear**?



Step 3: Applying the Objectives Tree



From Objectives to DMF Matrix/Logframe



IMPACT—OUTCOME—OUTPUTS—ACTIVITIES—INPUTS

Thank You! Thank You Very Much!



keithb@hawaii.edu