WHAT PROBLEM ARE WE TRYING TO SOLVE?

PROBLEM ANALYSIS
&
PROBLEM TREE

16.10.2017

KNOW YOUR impact

PROBLEM ANALYSIS

Problem Analysis identifies the negative aspects of an existing situation and establishes the 'cause and effect' relationships between the identified problems.

POWERTY

-inequality in income distributing
-automation replace labor
-skill-base education
-extreme taxes
-wars
-wild capitalism
-lack of incentive for entrepreneurship
-inequal distribution of resources
…….
……..

ANIMAL RIGHTS

-animal labor
-insufficient shelters
-animal abuse
-using them in scientific experiments
-increase the empathy between human and animals
-no respect to animals
-unawareness of extinction
no sanction
……..

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Problem Analysis involves three main steps:

1) Definition of the framework and subject of analysis

2)Identification of the major problems faced by the target groups and beneficiaries (What is/are the problems? Whose problems?

3) Visualization of the problems in form of a diagram, called a 'problem tree' or hierarchy of problems' to help analyze and clarify cause-effect relationships.

PROBLEM TREE

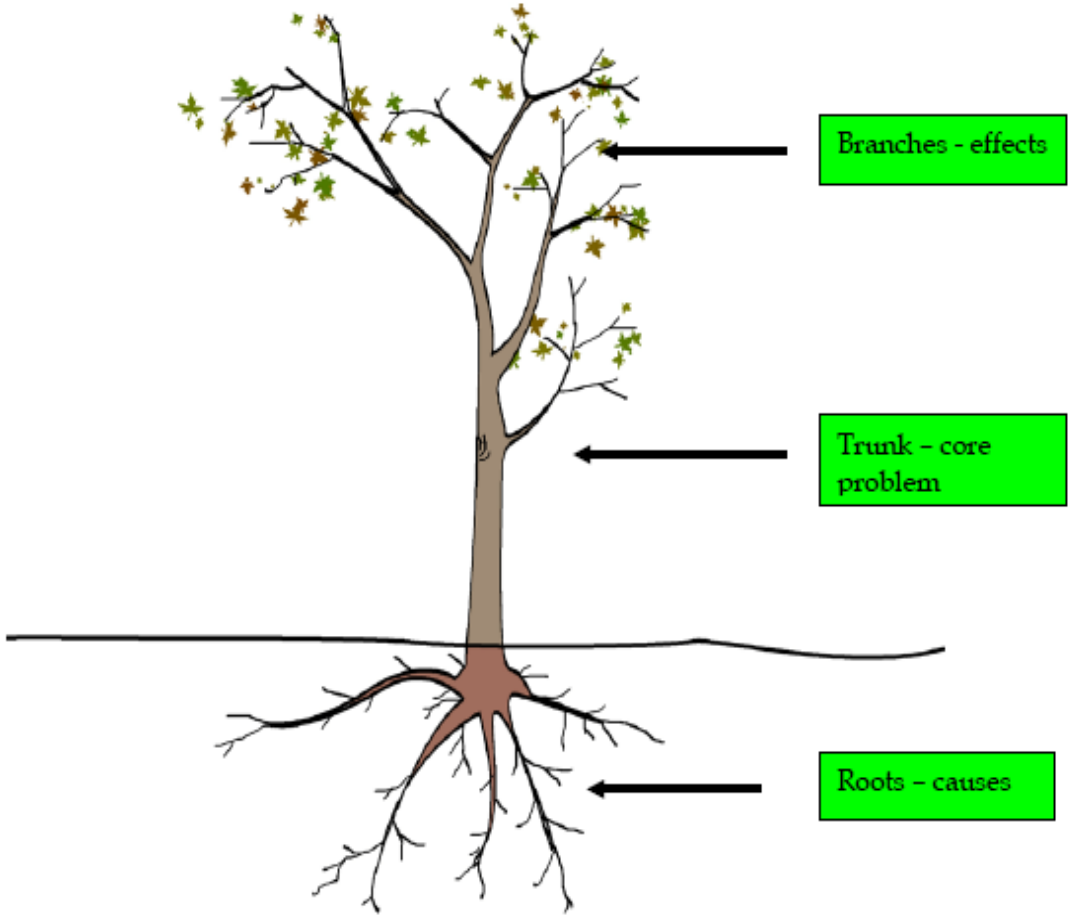
- Problem Trees are used to help analyze a situation and identify a core problem that you want to focus on.
- **You can use problem trees;**

✓ To help analyze a situation

✓ To identify a key issue to focus on

✓ To clarify the causes of a problem

✓ To allow stakeholders and the community to participate in setting project objectives


Branches - effects
Trunk – core problem
Roots – causes

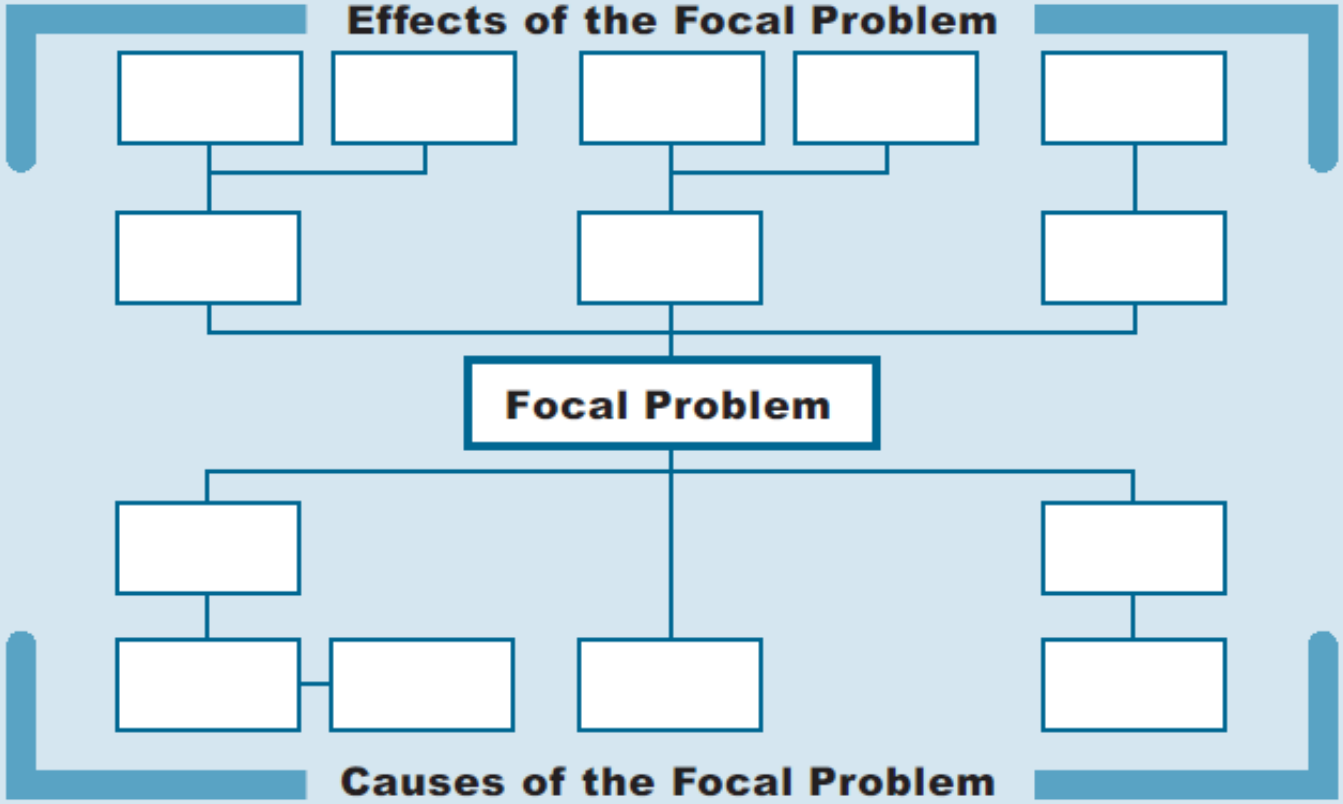
The tree has a trunk that represents the core problem, roots that represent the causes of the problem, and branches that represent the effects.

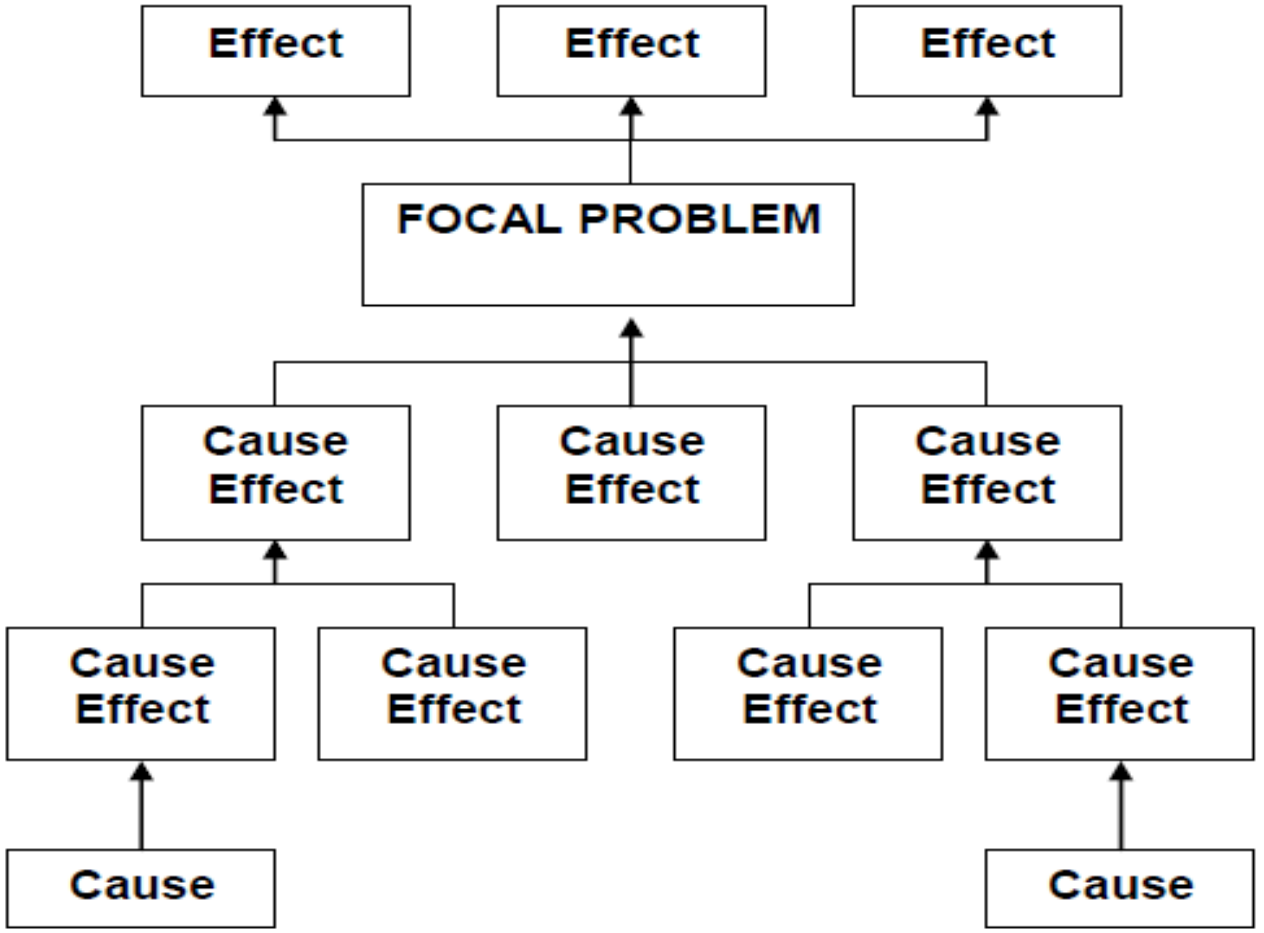
As a visual mapping tool, this is ideal for gathering information in a participatory way.

How?

- State a common problem facing the community- (this is the **trunk** of the tree- the core problem)
- Why does this problem exist? Get to the **roots** (the causes)
- How does the problem impacts upon the community….understand the **branches** (the effects)

Box 3: Problem tree analysis





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Constructing a problem tree involves the following steps

Step 1

Identify major problems existing within a given situation (brainstorming)

Step 2

Select an individual starter problem

Step 3

Look for related problems to the starter problem

Step 4

Establish hierarchy of cause and effects:

Problems which are directly causing the starter problems are put below

Problems which are direct effects of the starter problem are put above

Step 5

Complete with all other problems accordingly

Step 6

Connect the problems with cause-effect arrows

Step 7

Review the diagram and verify its validity and completeness

Often the problem is not clearly defined, or may not be the actual problem. In order to determine what the real problems are, we need to determine the cause and effect relationship between problems.

The tree allows for many problems to be identified, and to analyze how they relate to each other. **These linkages are important in deciding which problems are the ones that a project should focus on and try to address.**

REMEMBER

- ✓ Problems have to be worded as negative situations as they exist
- ✓ Problems should be as specific as possible- what is the problem, who does it affect?
- ✓ Problems have to be existing problems, not future ones or imagined ones
- ✓ The position of the problem in the hierarchy does not indicate its importance
- ✓ A problem is not the absence of a solution, but an existing negative situation, that is a 'lack of' something.

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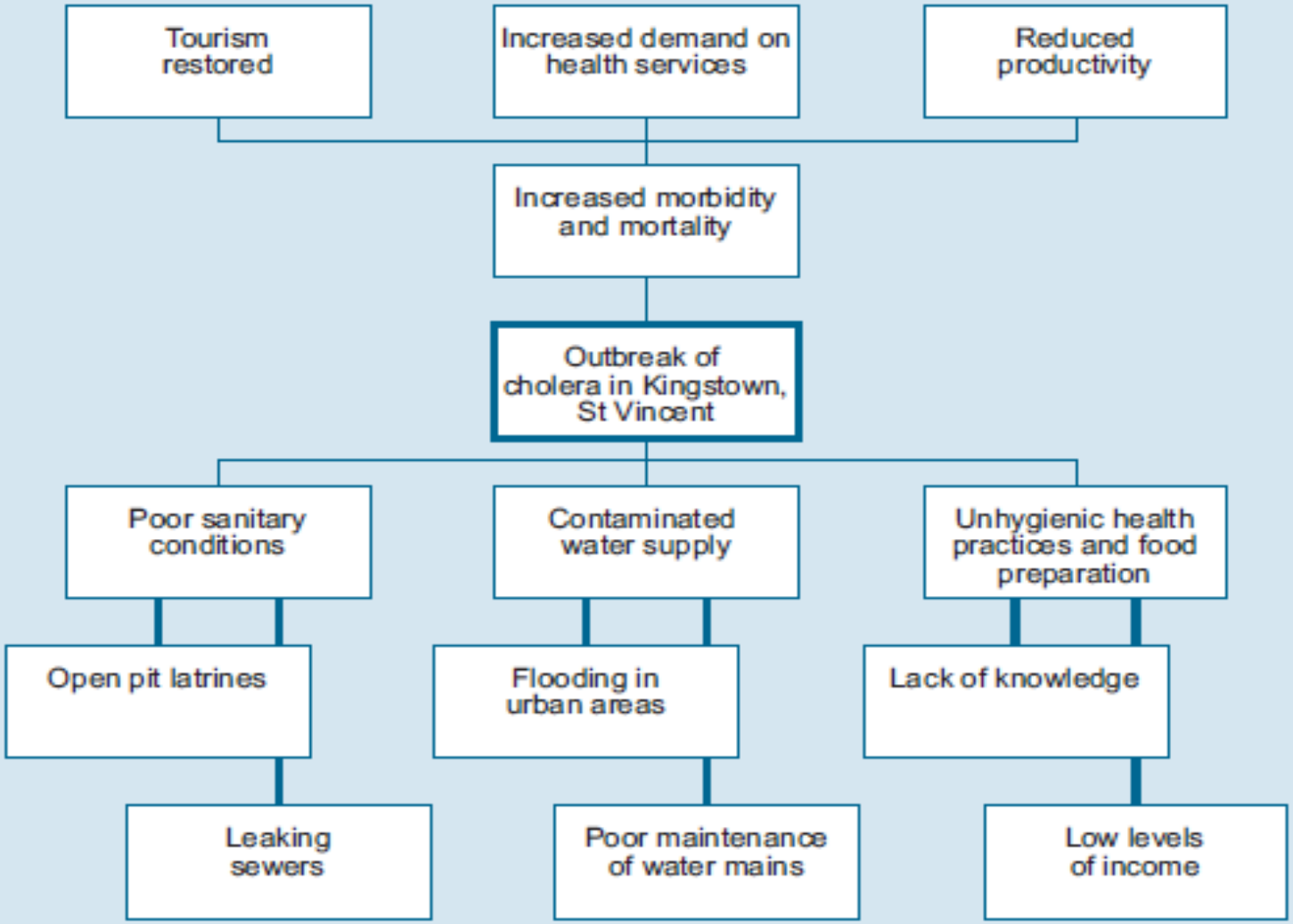
Remember also that there is no one 'correct' tree- there can be many perspectives and different problems between different people and groups!

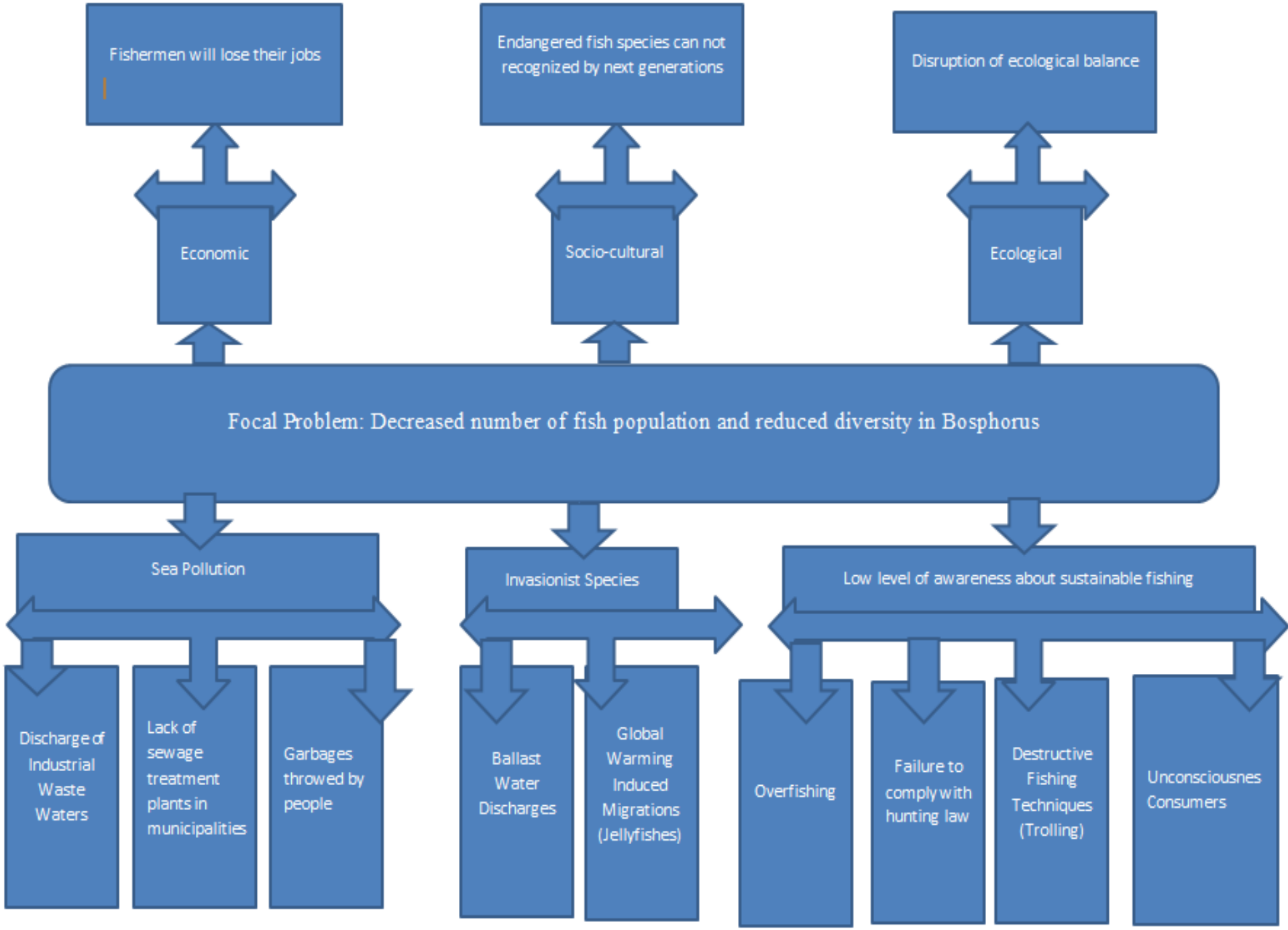
Box 3: Problem tree analysis

Define the focal problem, its immediate and direct causes and its effects



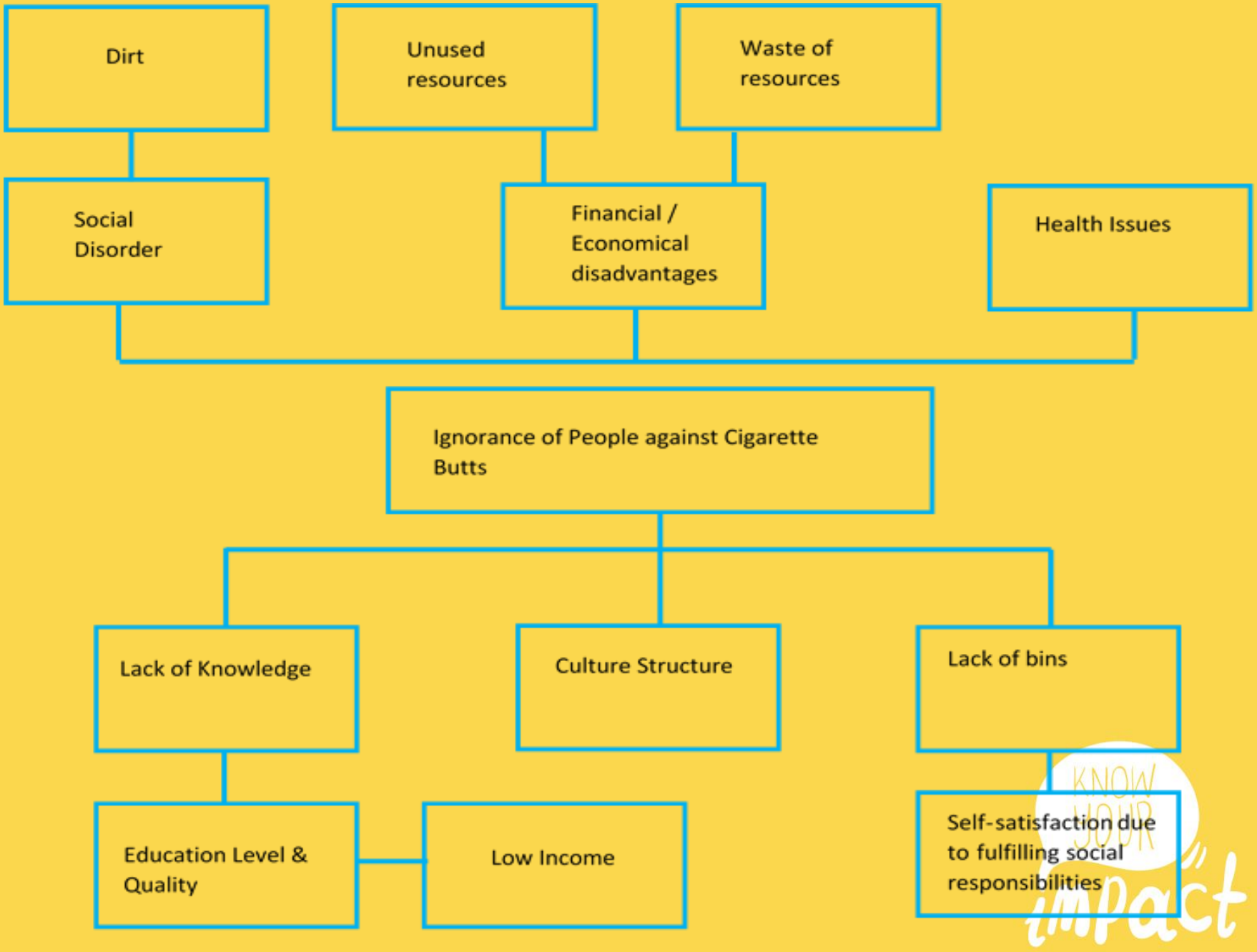
PROBLEM TREE OF SUSTAINABLE FISHING IN SARIYER PROJECT

By Student Group of MGMT 310 YEAR 2014


Fishermen will lose their jobs
Endangered fish species can not recognized by next generations
Disruption of ecological balance
Economic
Socio-cultural
Ecological
Focal Problem: Decreased number of fish population and reduced diversity in Bosphorus
Sea Pollution
Invasionist Species
Low level of awareness about sustainable fishing
Discharge of Industrial Waste Waters
Lack of sewage treatment plants in municipalities
Garbages throwed by people
Ballast Water Discharges
Global Warming Induced Migrations (Jellyfishes)
Overfishing
Failure to comply with hunting law
Destructive Fishing Techniques (Trolling)
Unconsciousnes Consumers

PROBLEM TREE OF CIGARETTE BUTTS AWARNESS PROJECT

By Student Group of MGMT 310 year 2014


Dirt
Unused resources
Waste of resources
Social Disorder
Financial / Economical disadvantages
Health Issues
Ignorance of People against Cigarette Butts
Lack of Knowledge
Culture Structure
Lack of bins
Education Level & Quality
Low Income
Self-satisfaction due to fulfilling social responsibilities
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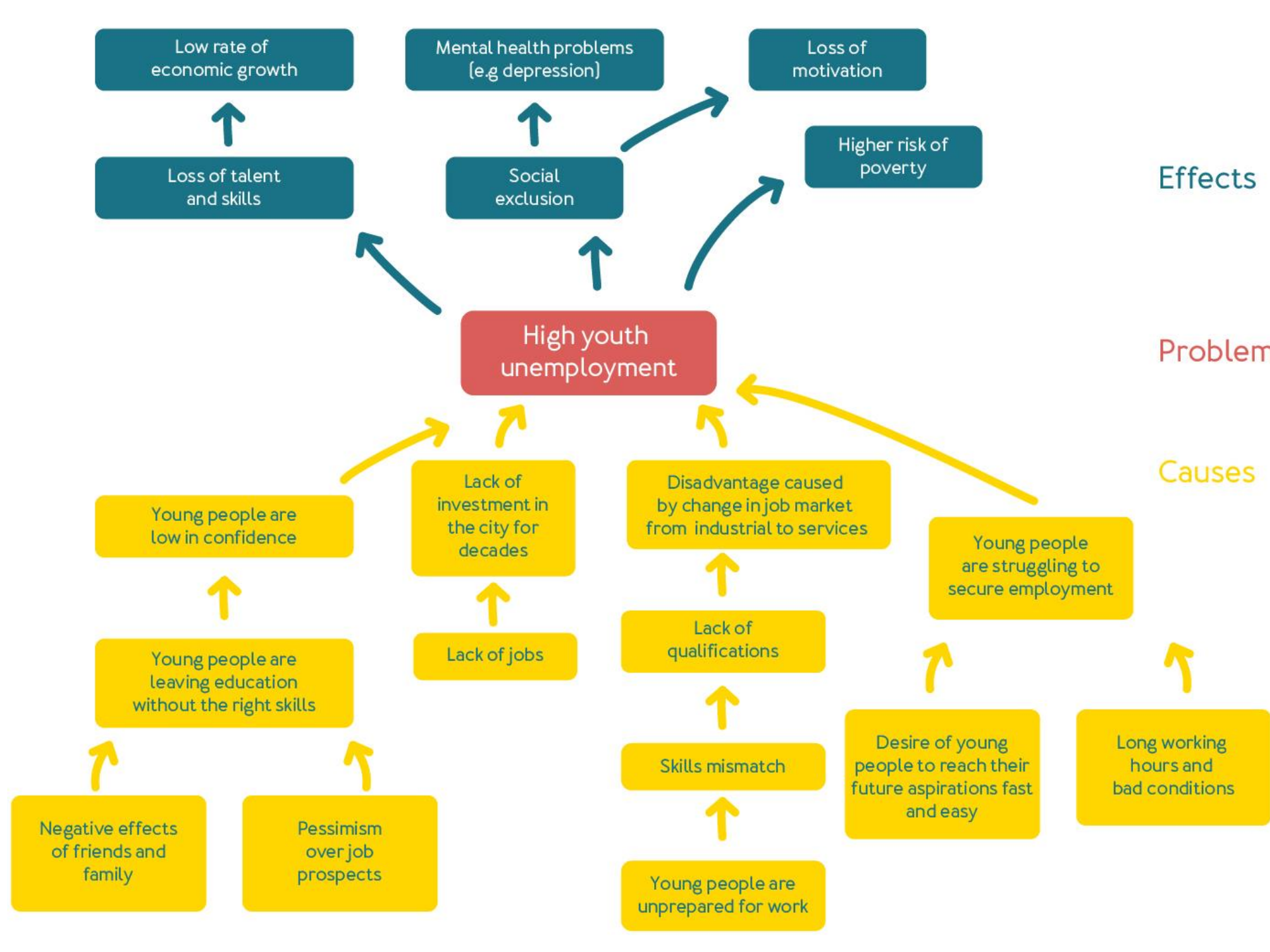
PROBLEM TREE AND OBJETIVE TREE OF GIZAJOB FROM MAXIMIZE YOUR IMPACT


Low rate of economic growth
Mental health problems (e.g depression)
Loss of motivation
Loss of talent and skills
Social exclusion
Higher risk of poverty
Effects
High youth unemployment
Problem
Causes
Young people are low in confidence
Lack of investment in the city for decades
Disadvantage caused by change in job market from industrial to services
Young people are struggling to secure employment
Young people are leaving education without the right skills
Lack of jobs
Lack of qualifications
Desire of young people to reach their future aspirations fast and easy
Long working hours and bad conditions
Skills mismatch
Negative effects of friends and family
Pessimism over job prospects
Young people are unprepared for work

Control List

Rethink if there is any other reason than the ones you thought that might be the cause of the major problem. If there are any, define the problems and place them on the diagram

Look again at the structure and make sure that cause-effect relations are placed properly

For every problem in the problem tree, read and present your problem tree to your friends in the form of 'this causes that, and these cause that etc…' While you are presenting you or your friends might see important points that you might have missed.

You can disseminate your written tree to others for further comments.

Thank you!