

## Proiect „Calea Verde spre Dezvoltare Durabilă”

**Operator de Program:**



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**Promotor:**



**Parteneri de proiect din partea Statelor Donatoare:**

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**Parteneri de proiect:**



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Sibiu, Hotel Imparatul Romanilor***

# **Possible instruments to develop local strategies for adaptation to climate change**

***Sibiu***

***SC AVENSA CONSULTING SRL***

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## Proposed instruments

Establishing and defining the general directorates

- SWOT matrix strategies
- Problems and objectives tree method
- Fishbone Diagram

## Internal feasibility

- Strong points
- Weaknesses

## External feasibility

- Opportunities
- Threats

## SWOT matrix strategies - alternative

<b>Weaknesses of the city (Reducing the possibility of a timeliness)</b>	<b>Natural opportunity (Hazard or combination of hazards)</b>	<b>Strong points of the city (Growing opportunity to exploit the opportunity)</b>
<b>Weaknesses of the city (That make it vulnerable to the threat)</b>	<b>Natural threat (Hazard or combination of hazards)</b>	<b>Strong points of the city (Reducing vulnerability threat)</b>

### **Objectives of the strategy can be considered:**

- Avoiding of major problems materialize (by eliminating weaknesses and strengths capitalization)
- Capitalizing emerging opportunities (by capitalizing on strengths and eliminate weaknesses)

## SWOT matrix strategies





### The problem tree

- allows viewing problems as a diagram - the problem tree
- It is built on cause-effect relationships

#### Steps:

- identification of existing problems
- choice of basic problems (major)
- searching for issues of this major problem,
- hierarchy is established causes and effects

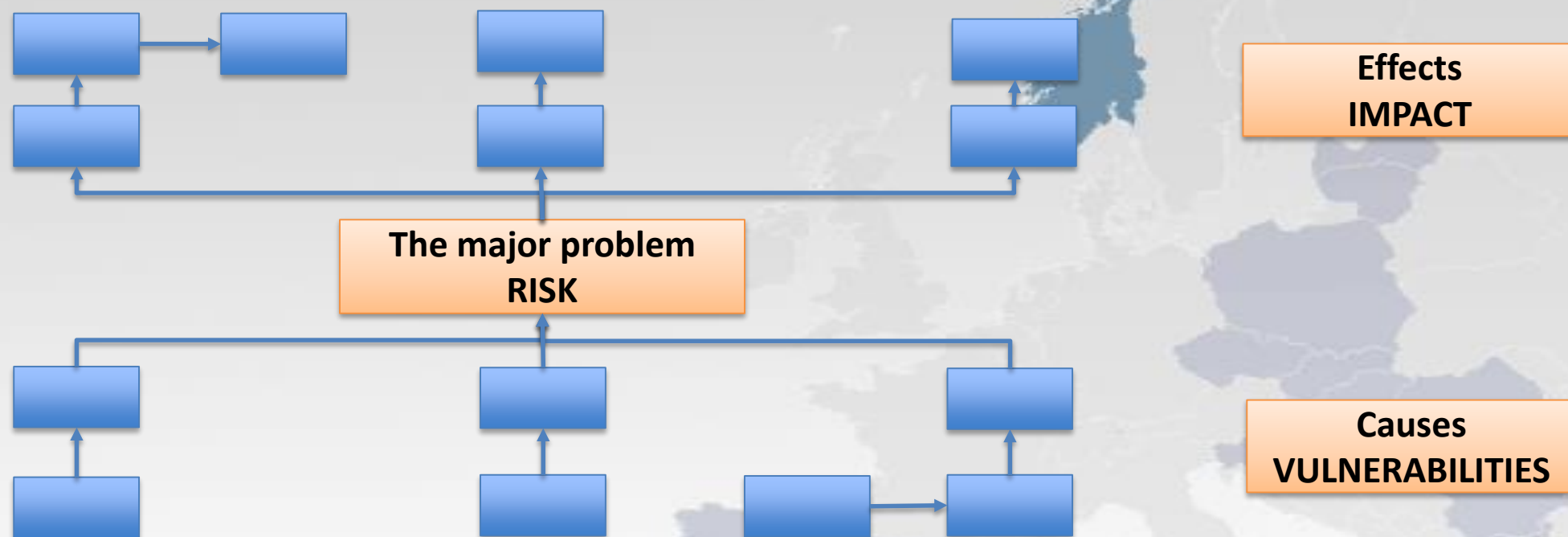


What problems are direct effects of the basic problem?  
They are placed in the crown

If a problem is neither cause nor effect, then placed at  
the same level, forming a new tree

What are the basic problems that are causing the  
problem? They are placed at root

## Problems and objectives tree method





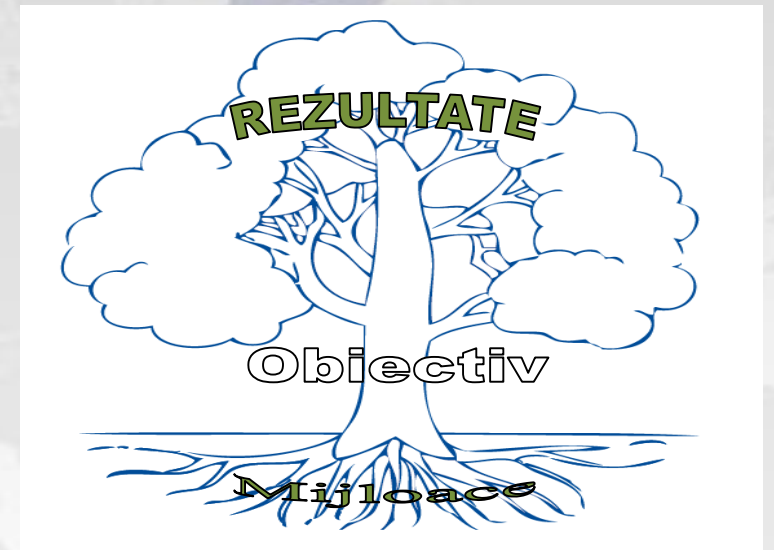
## Problems and objectives tree method

### Objective tree

- Analysis of objectives describes a future situation, which is reached by solving problems
- Identify potential solutions to a given situation
- Turns negatives into positives desired
- Problems will be transformed into targets

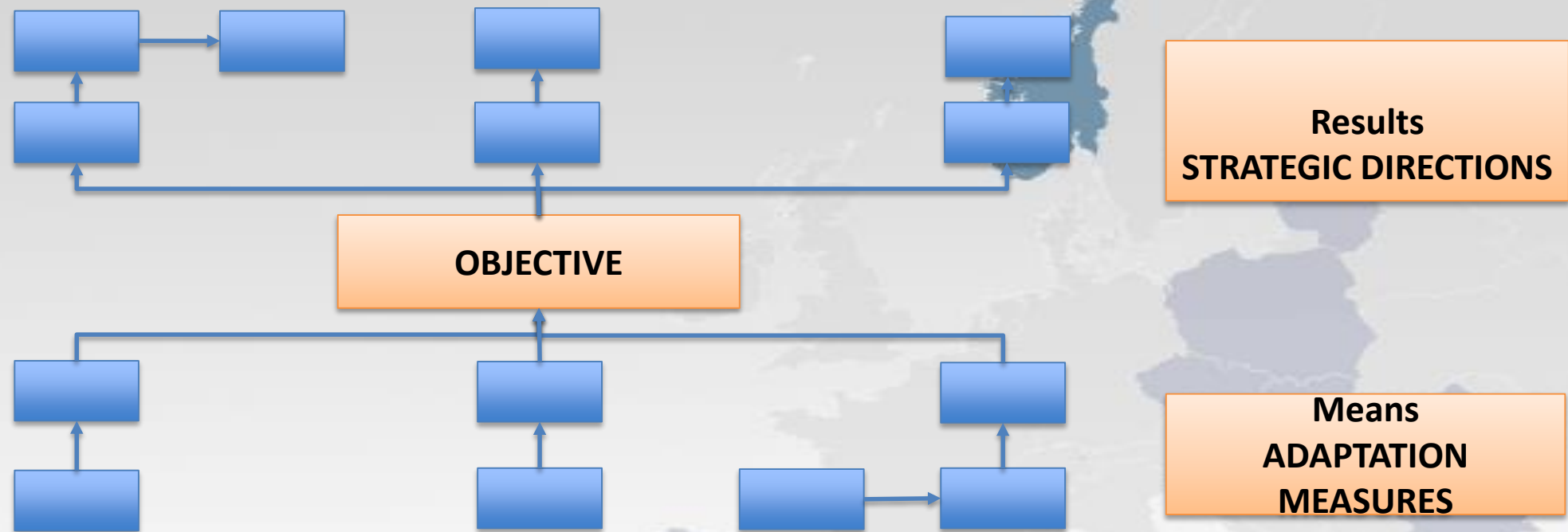


Is reformulated negative situations identified in the problem tree in positive situations desirable and realistic.



Objective tree is the image "mirror" of the problem tree

## Problems and objectives tree method



## Problems and objectives tree method

Goals should be so defined as SMART:

**S**

Specific - indicate the subject simply and precisely what one wants to achieve?

**M**

Measurable- there are clear indicators/measurable target?

**A**

Appropriate - falling the global vision that objective

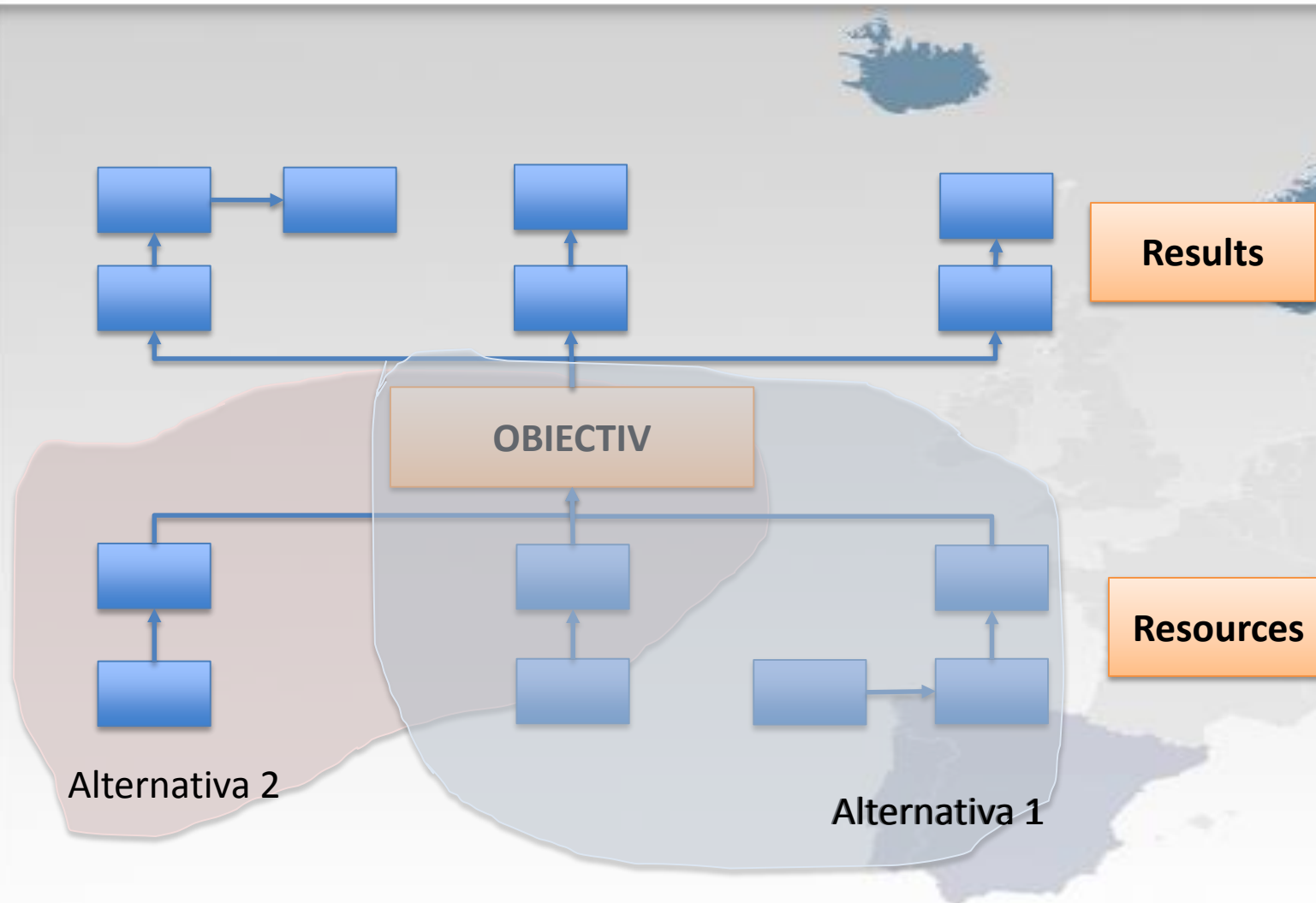
**R**

Realistic – can achieve the goal under the existing conditions (resources available, obstacles)?

**T**

Timed - may set a deadline for achieving the objective?

## Problems and objectives tree method



The choice of strategy can sit criteria for evaluating various options such as:

- relevance strategies at higher levels,
- complementarity with other strategies,
- availability of financial resources,
- availability of skills,
- the importance given to partners,
- urgency,
- social acceptability.

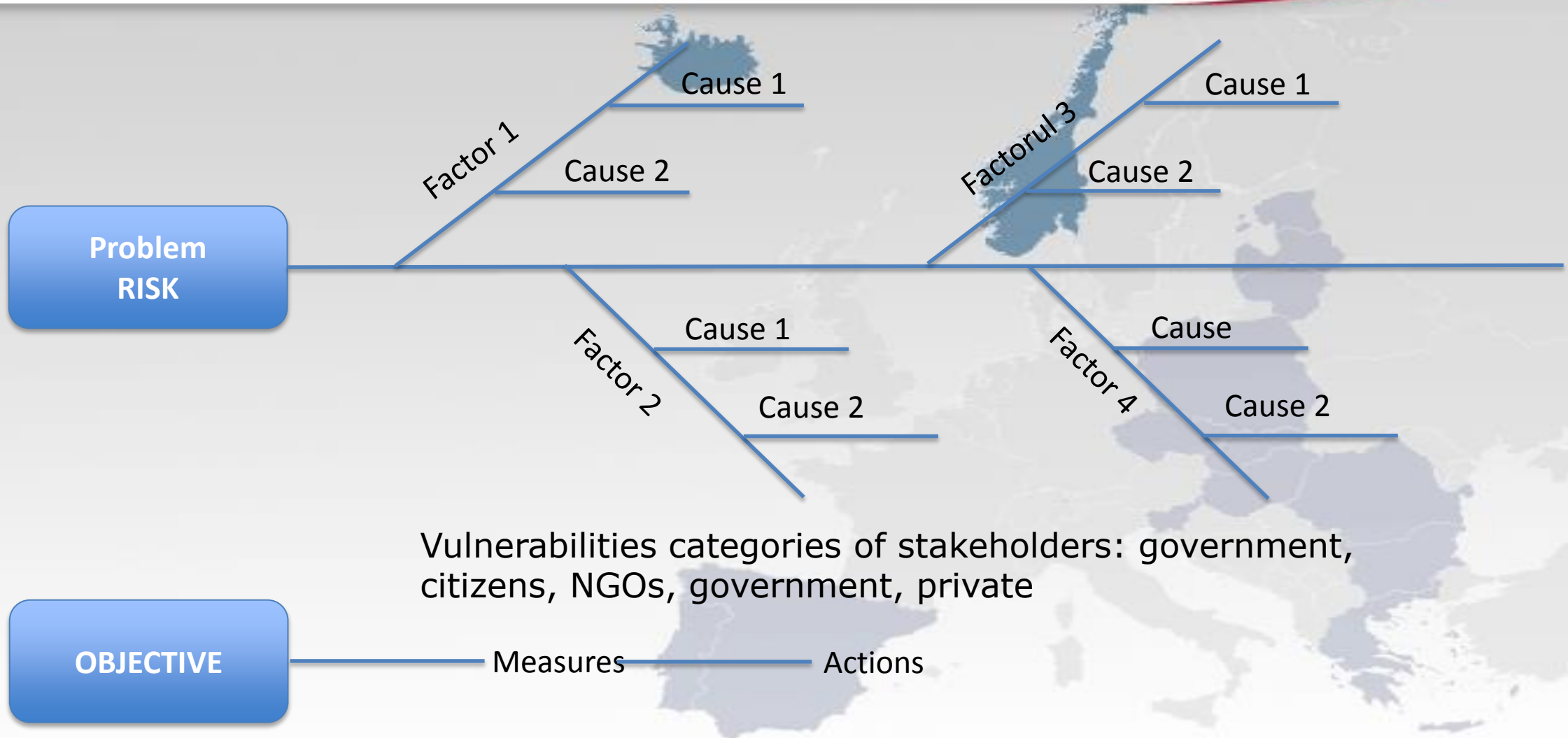
## Ishikawa Diagram (Fishbone - Fishbone)

- Method of analysis of cause-effect

### **Steps:**

- identifying the problem
- Identifying the factors that led to the problem (root cause or causes that generate the problem categories): institutional organization, procedures, human resources, financial - -- -
- Resources, material resources, communication
- Identifying secondary causes
- Identify measures necessary - solutions that could eliminate the cause of the problem

## Ishikawa Diagram (Fishbone - Fishbone)





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**VĂ MULȚUMESC PENTRU ATENȚIE!**

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