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Logical framework matrix

Joensuu 23.-24.1.2019
Jarkko Kärkimaa
Henna-Mari Laurila

Developing logical framework matrix

= Defining project structure, testing its internal logic and risks, formulating indicators

Matrix is the product of the analysis!

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	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective				
Specific objective				
Outputs				
Activities				

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Developing logical framework matrix

	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective	**1**			
Specific objective	**2**	8	9	7
Outputs	**3**	10	11	6
Activities	**4**			5

Intervention logic

Overall objective, specific objective, outputs and activities should clearly be linked to each other.

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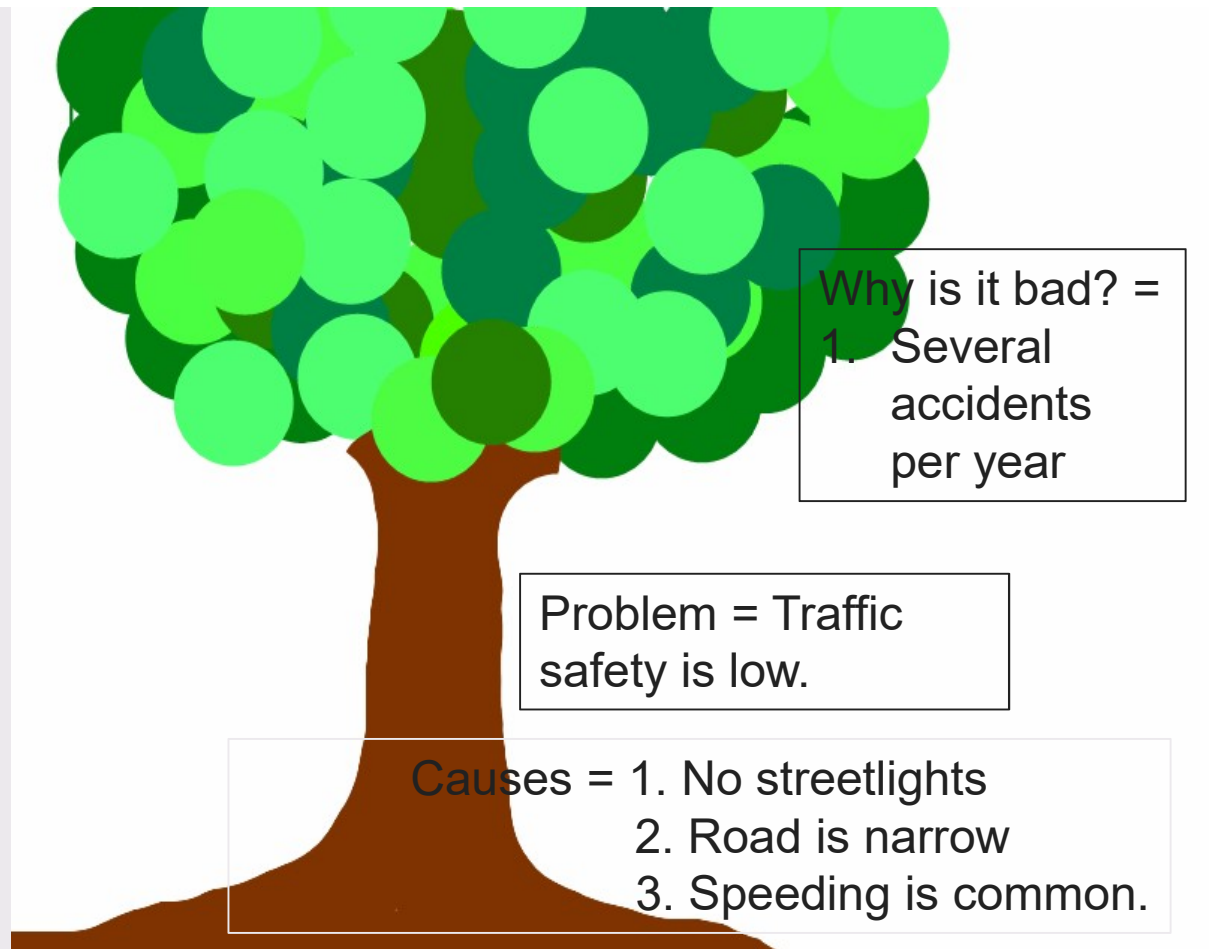CBC // Cross-border cooperation

Problem analysis

- Problem is not included in the matrix but the analysis needs to be made before the intervention logic can be defined.

- **Problem analysis provides basis for the objective of the project and justification for the project!**

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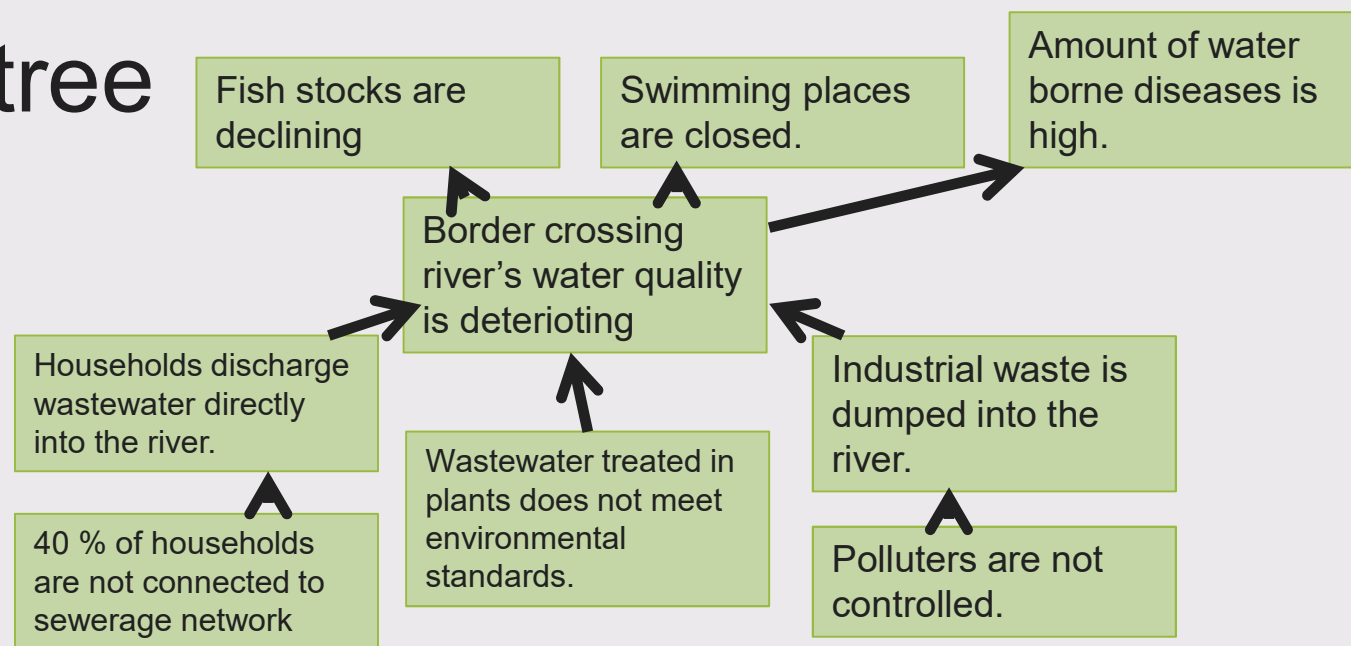For example:

Justification could be for example accident statistics.

Why is it bad? =
1. Several accidents per year

Problem = Traffic safety is low.

Causes = 1. No streetlights
2. Road is narrow
3. Speeding is common.

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Problem tree

Fish stocks are declining

Swimming places are closed.

Amount of water borne diseases is high.

Border crossing river's water quality is deterioting

Households discharge wastewater directly into the river.

Wastewater treated in plants does not meet environmental standards.

Industrial waste is dumped into the river.

40 % of households are not connected to sewerage network

Polluters are not controlled.

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Choosing the problem
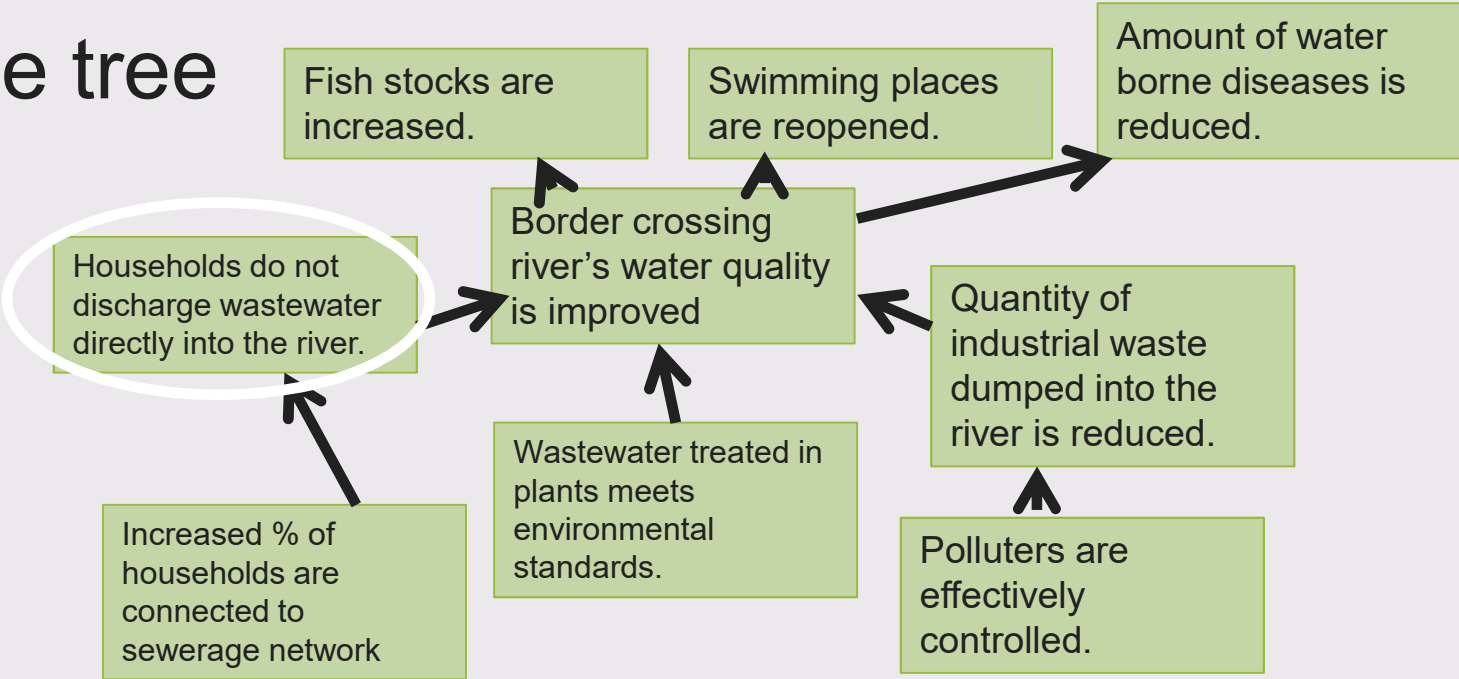
Fish stocks are declining

Swimming places are closed.

Amount of water borne diseases is high.

Border crossing river's water quality is deterioting

Households discharge wastewater directly into the river.

40 % of households are not connected to sewerage network

Wastewater treated in plants does not meet environmental standards.

Industrial waste is dumped into the river.

Polluters are not controlled.

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	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective				
Specific objective				
Outputs				
Activities				

Amount of water borne diseases is reduced.

Fish stocks are increased.

Swimming places are reopened.

Border crossing river´s water quality is improved.

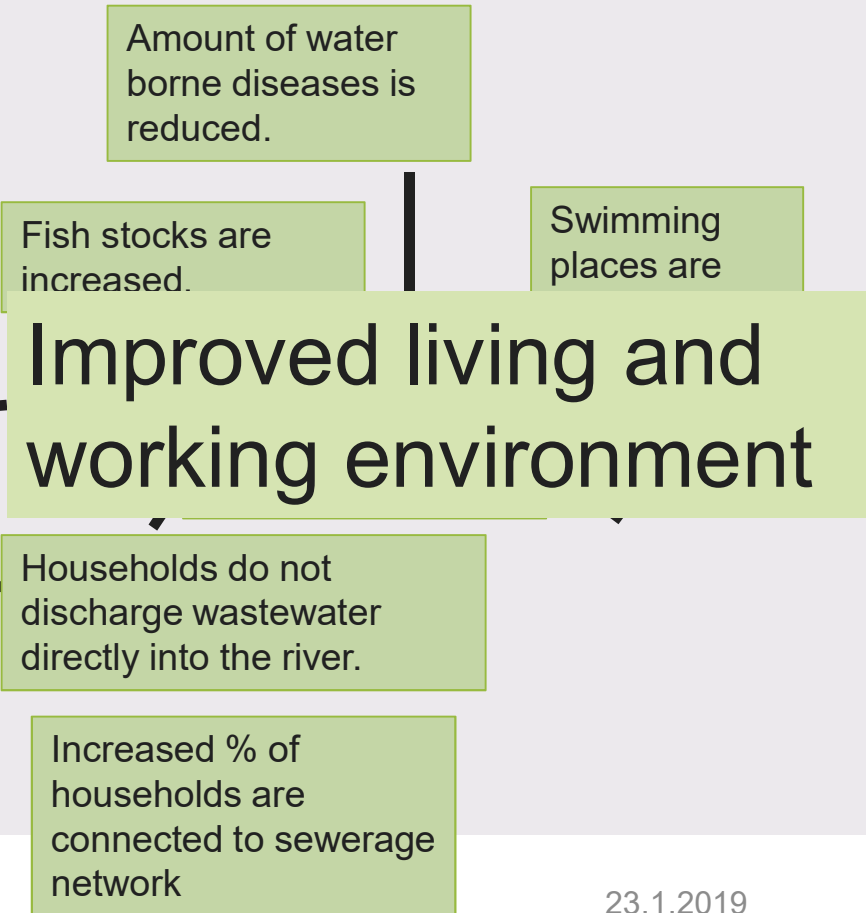Households do not discharge wastewater directly into the river.

Increased % of households are connected to sewerage network

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Amount of water borne diseases is reduced.

Fish stocks are increased.

Swimming places are

Improved living and working environment

	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective				
Specific objective				
Outputs				
Activities				

Households do not discharge wastewater directly into the river.

Increased % of households are connected to sewerage network

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Defining outputs and activities

Outputs are the direct results of the activities. Jointly they are sufficient and necessary for reaching the specific objective.

Activities are the tasks that need to be done in order for the outputs to be achieved.

There needs to be as many outputs as activities (work packages).

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	Intervention logic
Overall objective	Improved living and working environment
Specific objective	Households do not discharge wastewater directly into the river.
Outputs	1. Technology chosen and tendered. 2. Developed infrastructure is taken into use. 3. Etc.
Activities	WP1: Choosing technology WP2: Development of infrastructure WP3: etc.

Checks

Check the intervention logic with if-then causality:

IF the activities are undertaken THEN outputs can be produced;

IF outputs are produced THEN specific objective will be achieved; and

IF specific objective is achieved THEN this contributes towards the overall objective.

Checks

Also:

IF we wish to contribute to the overall objective, THEN we must achieve the specific objective

IF we wish to achieve the specific objective, THEN we must deliver the specified outputs

IF we wish to deliver the outputs, THEN the specified activities must be implemented.

Assumptions

- External factors that have the potential to influence the success of a project.

- Lie outside direct control of project managers.

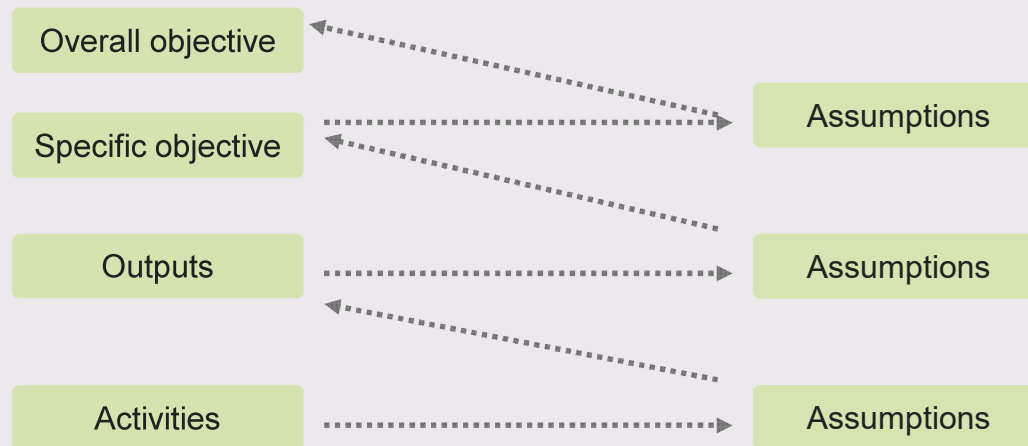- Positive statements – what needs to happen.

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	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective	Improved living and working environment			
Specific objective	Border crossing river´s water quality is improved			
Outputs	1. New methods produced for wastewater treatment 2. Controlling system established			1. New methods are taken into use in plants.
Activities	WP1 Planning and constructing new treatment methods WP 2 Developing of new controlling system			1. Needed permissions are received in time.

Indicators

Indicators answer to two questions:

- How do you know the project is successful?
- How can you show the project is successful?

Indicators show verifiable changes that can be used to demonstrate the success of the project.

Indicators

For example

Output: Increased skills - Indicator: Number of trained people

vs.

Objective: Increased skills – Indicator: Level of skills (baseline/after the action)

Output: Trained stakeholders – Number of trained people

Means of verification

Means of verification are the sources of information for indicators – they indicate how and where the information about the indicator can be obtained.

Project reports etc. are not considered as a good means of verification.

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	Intervention logic	Indicators	Sources of Verication	Assumptions
Overall objective	Improved living and working environment			
Specific objective	Border crossing river´s water quality is improved	1. Amount of pollution in water samples	1. Impartial research report	
Outputs	1. New methods produced for wastewater treatment 2. Controlling system established	1. Number of new methods	1. External assesment report	1. New methods are taken into use in plants.
Activities	WP1 Planning and constructing new treatment methods WP 2 Developing of new controlling system			1. Needed permissions are received in time.

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How to write logframe statements?

Keep statements as clear as possible.

- **Specific objective** is expressed in terms of benefits to the target group (increased, improved...).
- **Outputs** are tangible (delivered, produced, conducted…).
- **Activities** are expressed in present tense starting with an active verb (prepare, design, construct, research…)

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How to write logframe statements?

- **Assumptions** are positive statements describing the assumed situation.
- **Indicators** define the success of the project.
- **Sources of verification** are concrete tools used to measure the indicators.

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