Monitoring and Evaluation in Climate Action

How is M&E useful in the program cycle?

Video 3

Monitoring and Evaluation in Climate Action
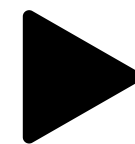
Why is evaluation important for climate?
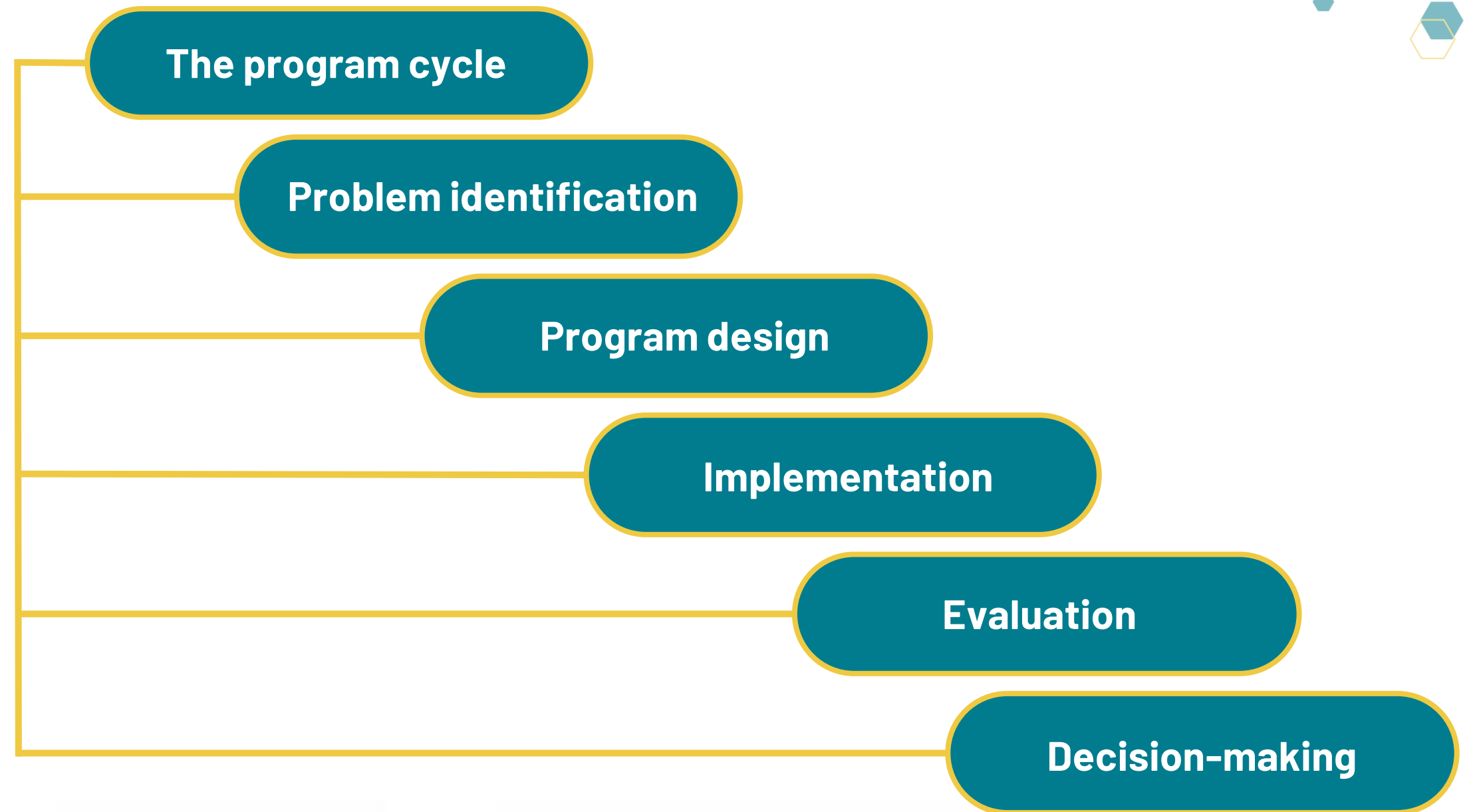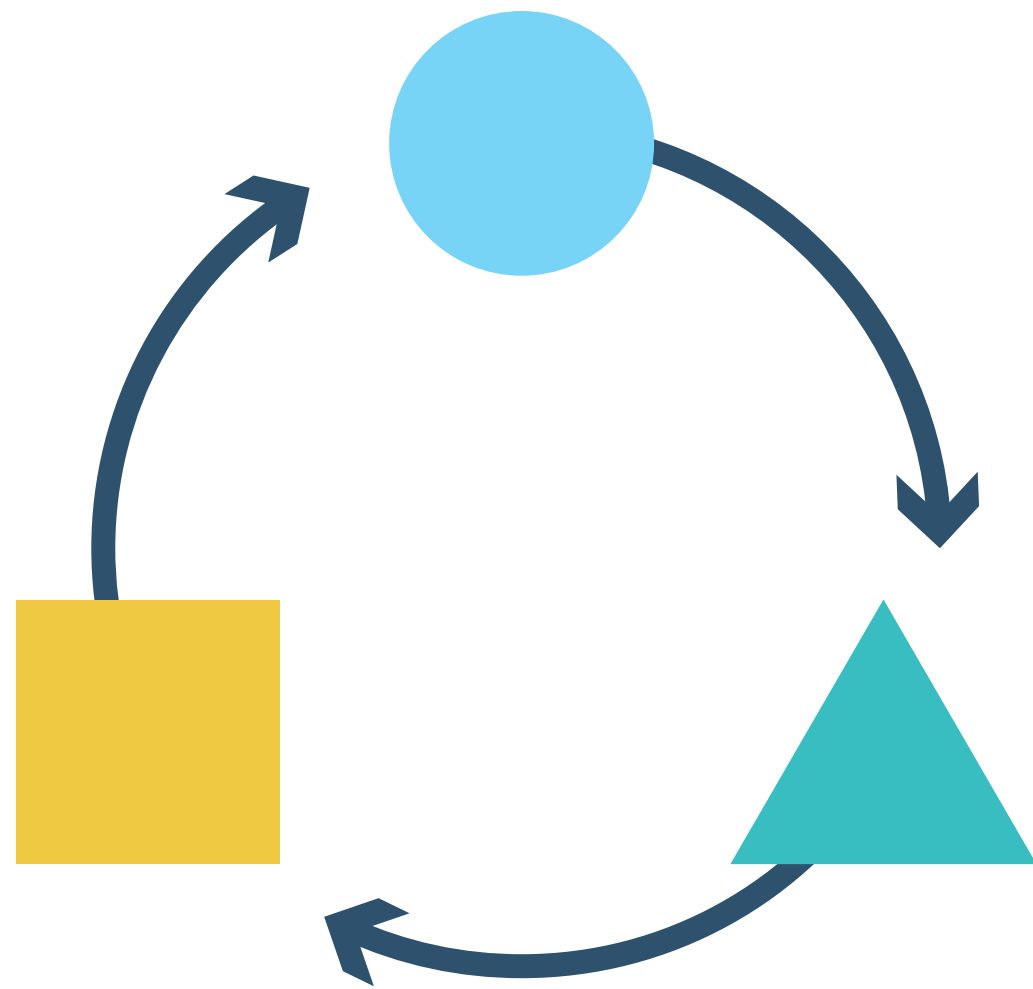
What is monitoring and evaluation (M&E)?

How is M&E useful in the program cycle?

VIDEO 3

How to develop a program Theory of Change?

How is M&E useful in the program cycle?

- The program cycle
- Problem identification
- Program design
- Implementation
- Evaluation
- Decision-making

Program cycle and M&E tools
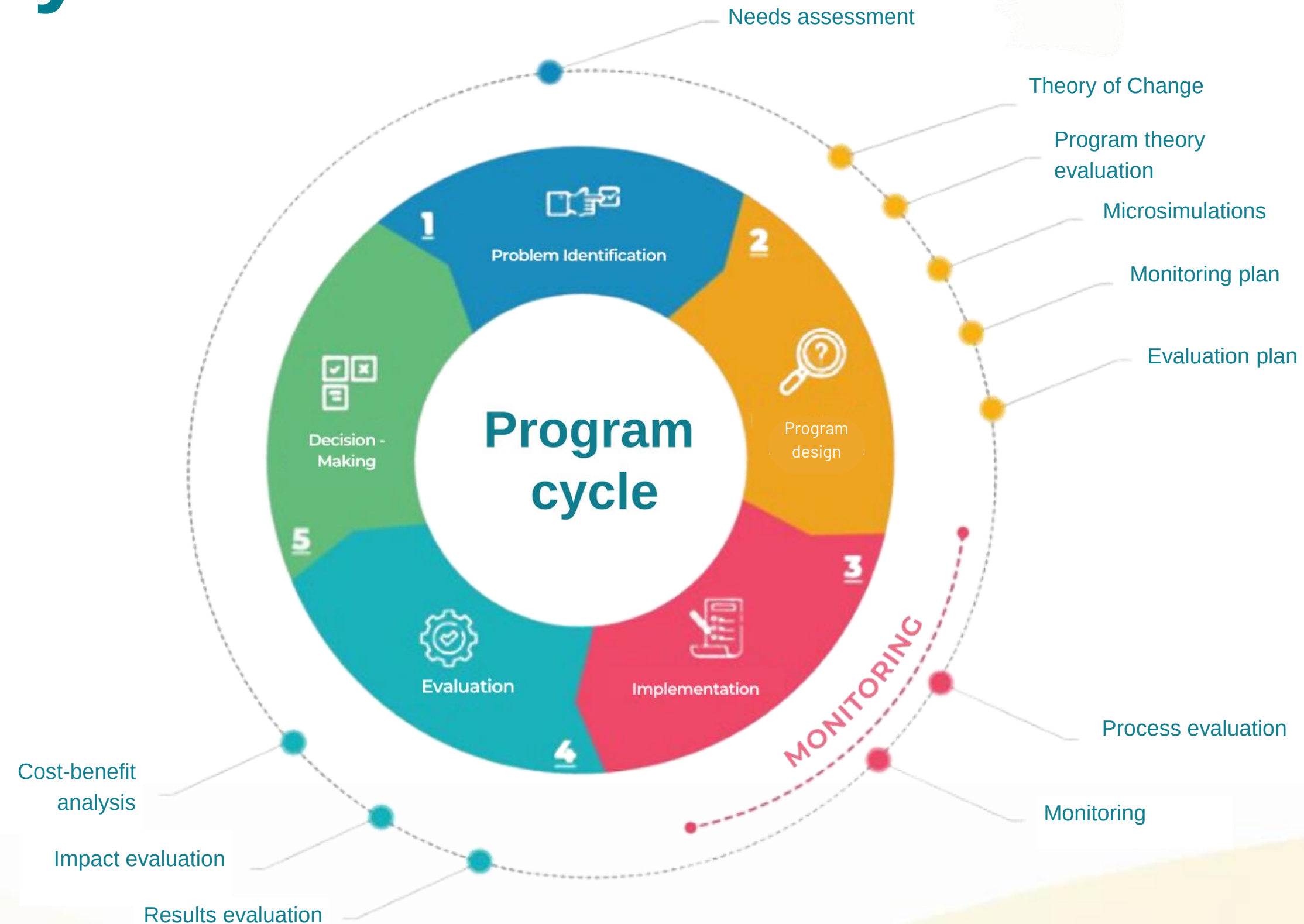
Source: Secchi (2014); Kraft & Furlong (2019).

Example: energy efficiency project

Source: CIF (2023)

Program cycle

Fossil fuel dependency

Redesign program if needed

Invest in energy efficient measures

Program cycle

1 Problem Identification

2 Program design

5 Decision - Making

3 Implementation

4 Evaluation

Develop different questions that measure systemic change or impact

- Energy demand management mechanism
- Instalation of renewable energy sources
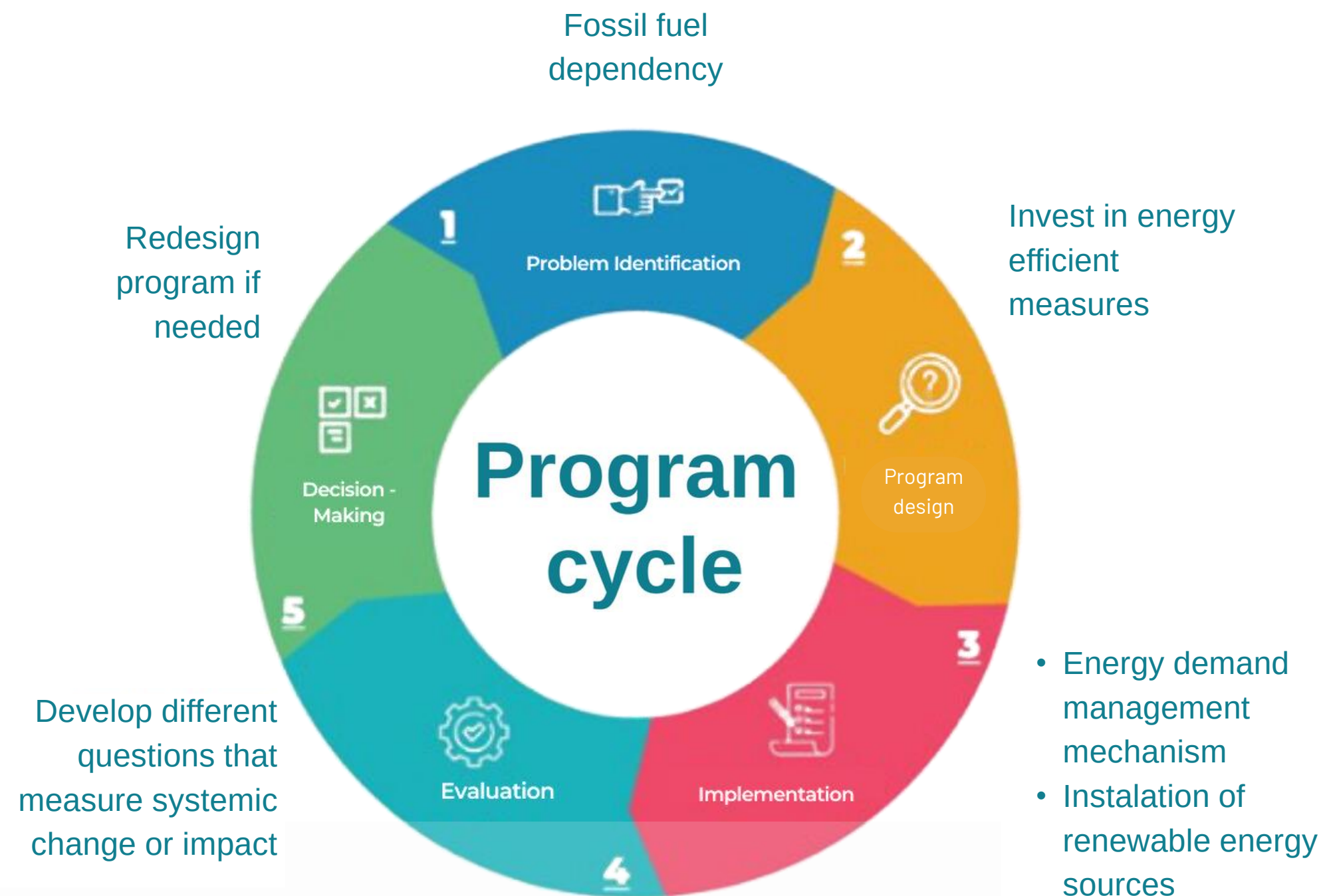
Phase 1: Problem Identification

- State the problem
  - How do we know there's a problem?
  - Ask why!
- Why is problem definition important?
- Why is root cause analysis important?

An Example
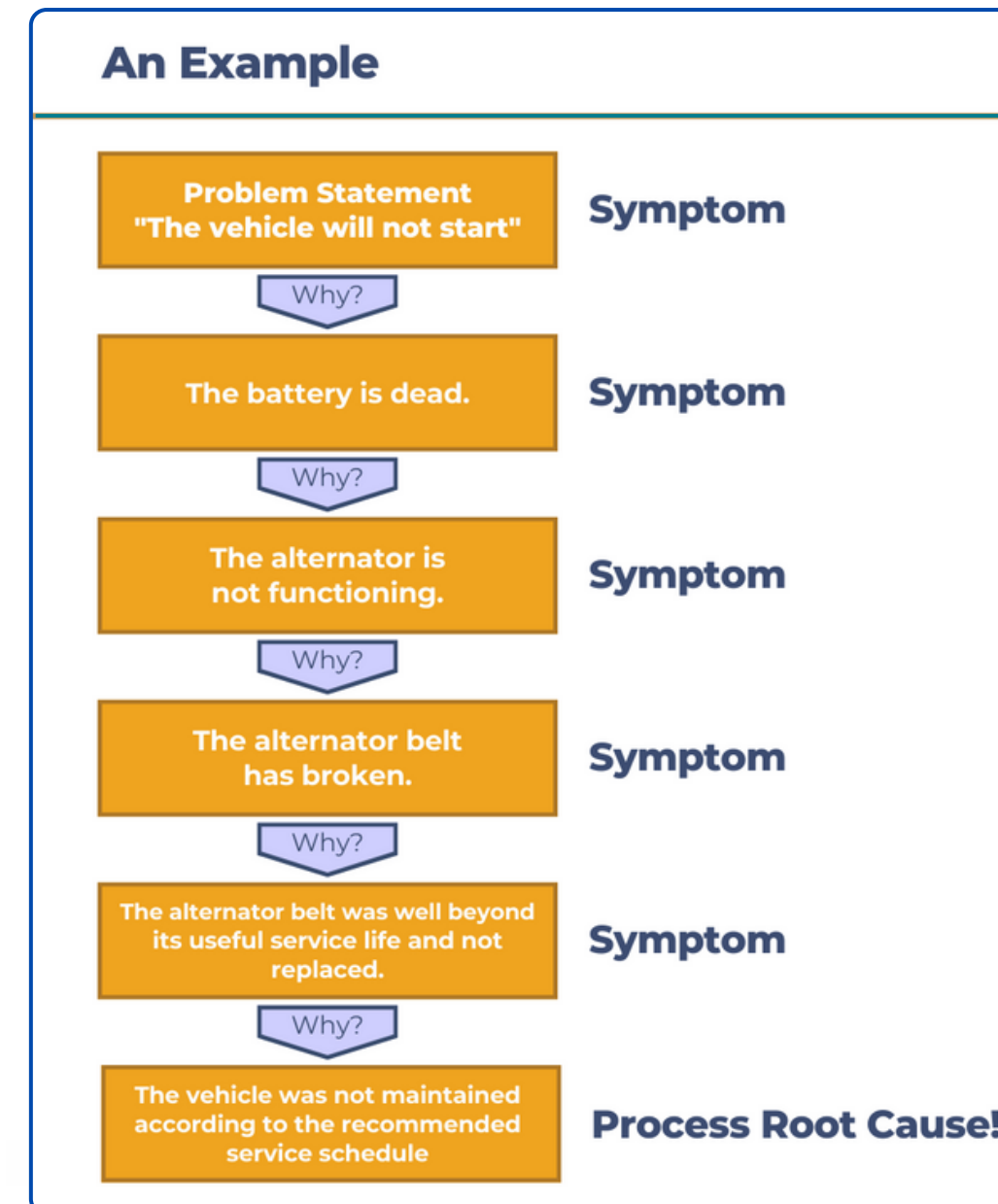
Problem Statement "The vehicle will not start"	Symptom
Why?	
The battery is dead.	Symptom
Why?	
The alternator is not functioning.	Symptom
Why?	
The alternator belt has broken.	Symptom
Why?	
The alternator belt was well beyond its useful service life and not replaced.	Symptom
Why?	
The vehicle was not maintained according to the recommended service schedule	Process Root Cause!

Program cycle

Fossil fuel dependency

Invest in energy efficient measures

Redesign program if needed

Develop different questions that measure systemic change or impact

- Energy demand management mechanism
- Instalation of renewable energy sources

Program cycle

1 Problem Identification

2 Program design

3 Implementation

4 Evaluation

5 Decision - Making

Phase 2: Program design

Program Theory Development

- The program theory explains how and why a program is expected to work.

- It seeks to demonstrate the connections between the activities and the outcomes.

- This logic should be evidence-based.

- Helpful to articulate as a Theory of Change (video 4)

IF the activity is provided, **THEN** what should be the result for participants?
WHY do you believe the activity will lead to this result?
What evidence do you have that this activity will lead to this result (data from your own or other programs, published literature, etc.)?

Source: Wilder (2009)

Phase 3: Implementation

- Is program implementation occurring as planned?

- Are the goals being met?

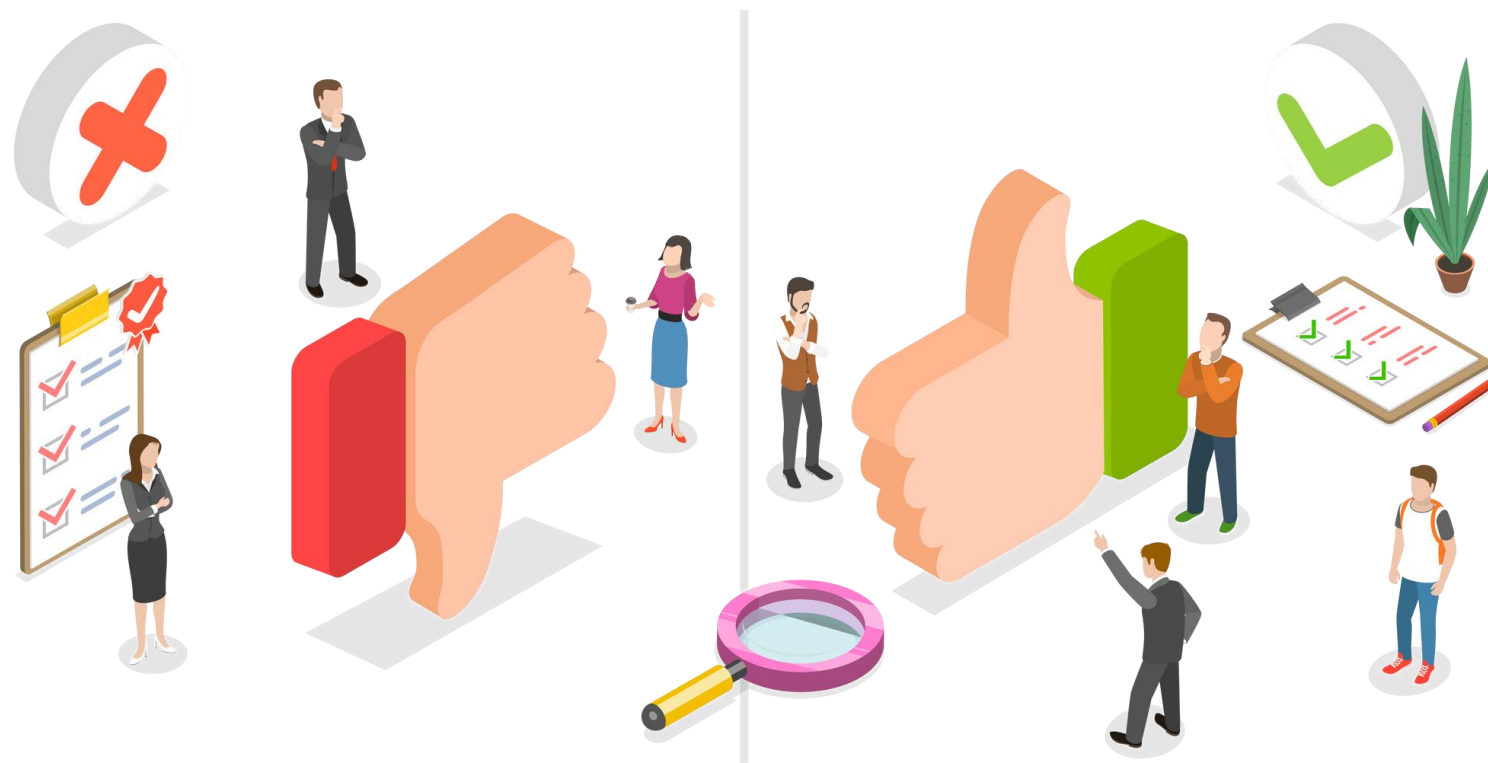- What are the challenges in implementing the program as designed?

Phase 4: Evaluation

- Has the program achieved its desired results?

- What are the impacts of the program? Are there unintended consequences?

- How much was invested to achieve these impacts?

- How do the costs compare to the benefits?

Phase 5: Decision-making

- Using evidence for informed choices
  - Relevance and Speed of change

- Program expansion, redesign, or cancellation
  - Adaptive sustainability

- Replication in similar contexts and territories
  - Scalability

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