



Project Evaluation: Case Study on Infrastructure Project

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Outline

- **About NEDA**
- **Evaluation's Conceptual Framework**
- **NEDA's Project Evaluation Concept**
- **Case Study**

1. About NEDA

- Provide neighbouring countries with financial and technical assistance.



Financial Assistance

- Grants
- Concessional Loans
- Mixed Credit (Soft Loan with Grant Portion)

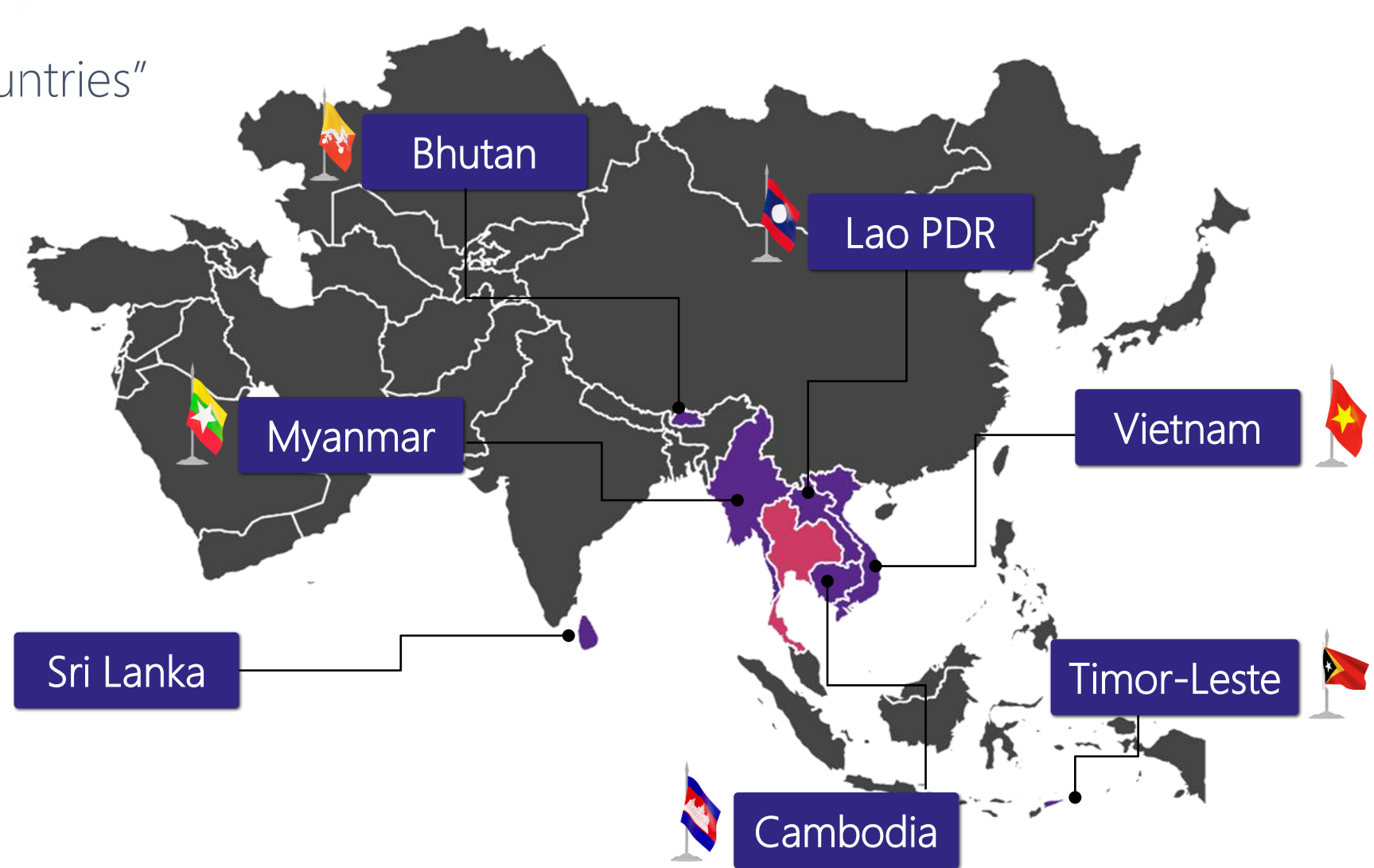


Technical Assistance

- Project Preparation
- Training
- Program/Capacity Building

1. About NEDA

■ "Neighbouring Countries"



1. About NEDA

■ Potential Projects



Facilitate Trade and Investment



Promote Industrial and Agricultural Cooperation



Transportation Linkage



Support and Promote the Service and Tourism Sector



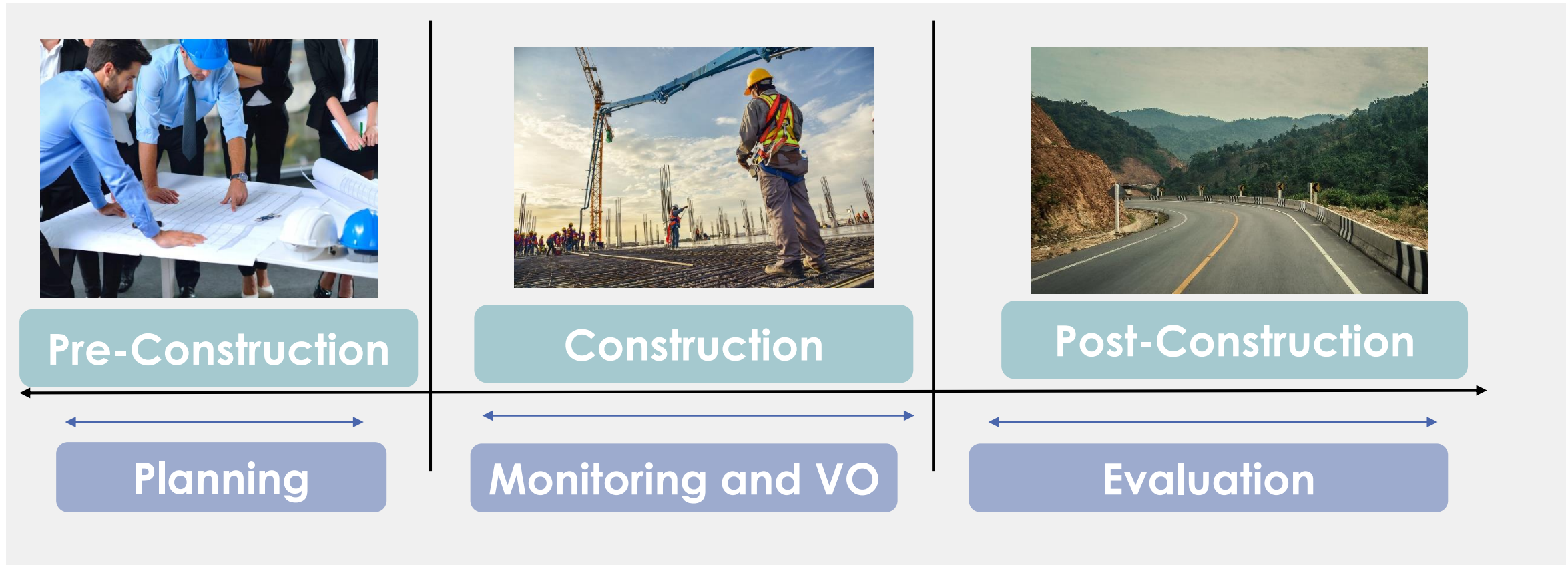
Support the Human Resource Development



Support the Urban Development

2. Evaluation's Conceptual Framework

Project Evaluation is an assessment as systematic and objective as possible, of an ongoing or completed project to determine the relevance and fulfillment of objectives, developmental efficiency, effectiveness, impact and sustainability.



2. Evaluation's Conceptual Framework

■ Characteristics of Infrastructure Evaluation

- ☐ Project lifetime is long.
- ☐ Impact is dynamic.
- ☐ Monopolistic.
- ☐ Inducing externalities.
- ☐ Common Access: incumbent users, new entrants and third parties.
- ☐ Multiple objectives.

2. Evaluation's Conceptual Framework

■ Why is important?



- Recognizing project achievements and acknowledge people's work.
- Identifying techniques and approaches that worked, and devise steps to ensure they're used in the future.
- Identifying techniques and approaches that didn't work, and devise steps to ensure they aren't used again in the future

2. Evaluation's Conceptual Framework

■ What is an advantage?



- If changing an existing situation was a project objective, take measures of that situation's key characteristics to see whether you successfully met that objective.
- Obtain final cost, labor-hour, and schedule performance reports for the project.
- Survey key stakeholders to determine how well they feel the project addressed their needs and their assessments of project team and project manager performance.

2. Evaluation's Conceptual Framework

Methodology: Evaluation Criteria based on Development Assistance Committee (DAC) of OECD*

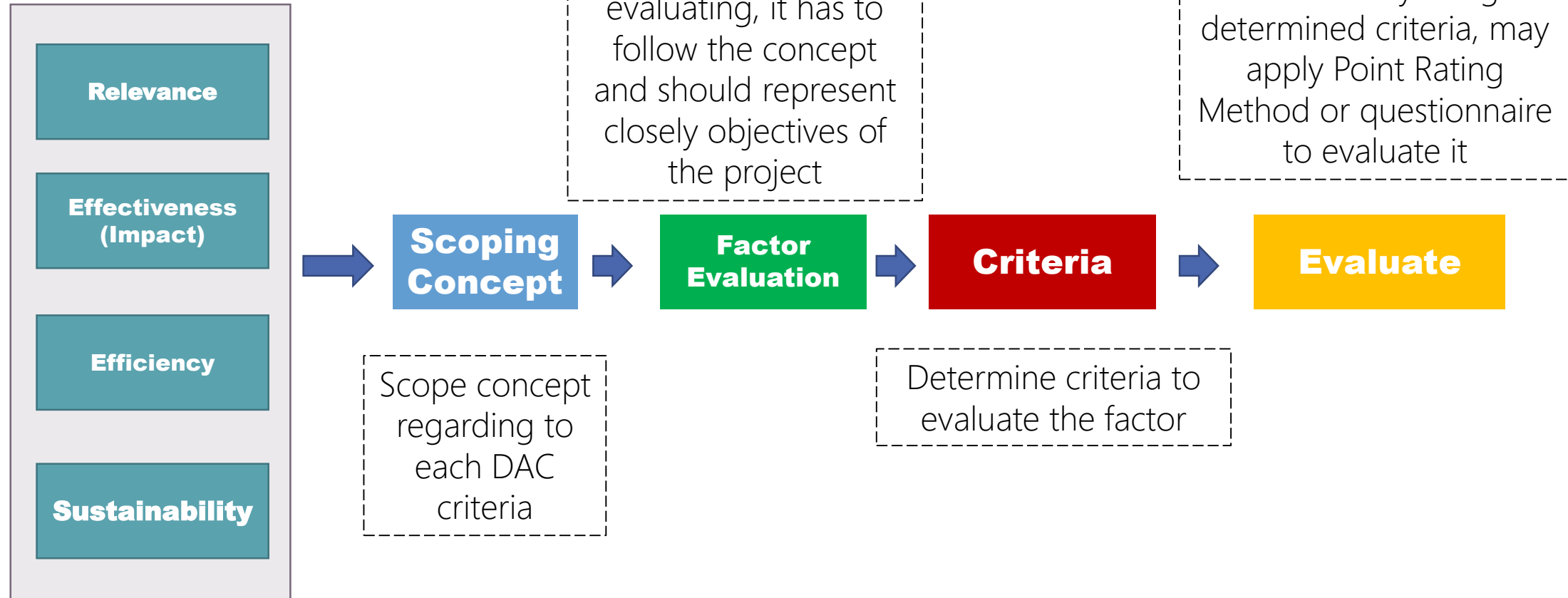


*OECD: Organization for Economic Co-operation and Development

| CRITERIA | ANALYSIS http://www.oecd.org/dac/evaluation/49756382.pdf |
|------------------------|--|
| Relevance | Relevance to development needs at appraisal and at present, and consistency with development policies |
| Effectiveness (impact) | Comparison of planned and actual figures to measure the effectiveness, considering the operation & effect indicators |
| Efficiency | Comparison of input (project period and cost) and achieved output (constructed facilities and/or procured equipment and materials) |
| Sustainability | Sustainability based on the financial aspects, technical capacity and operations & management system |

2. Evaluation's Conceptual Framework

■ Evaluating Process



3. NEDA's Project Evaluation Concept

Completed Project Examples,



NR 67 Road Construction



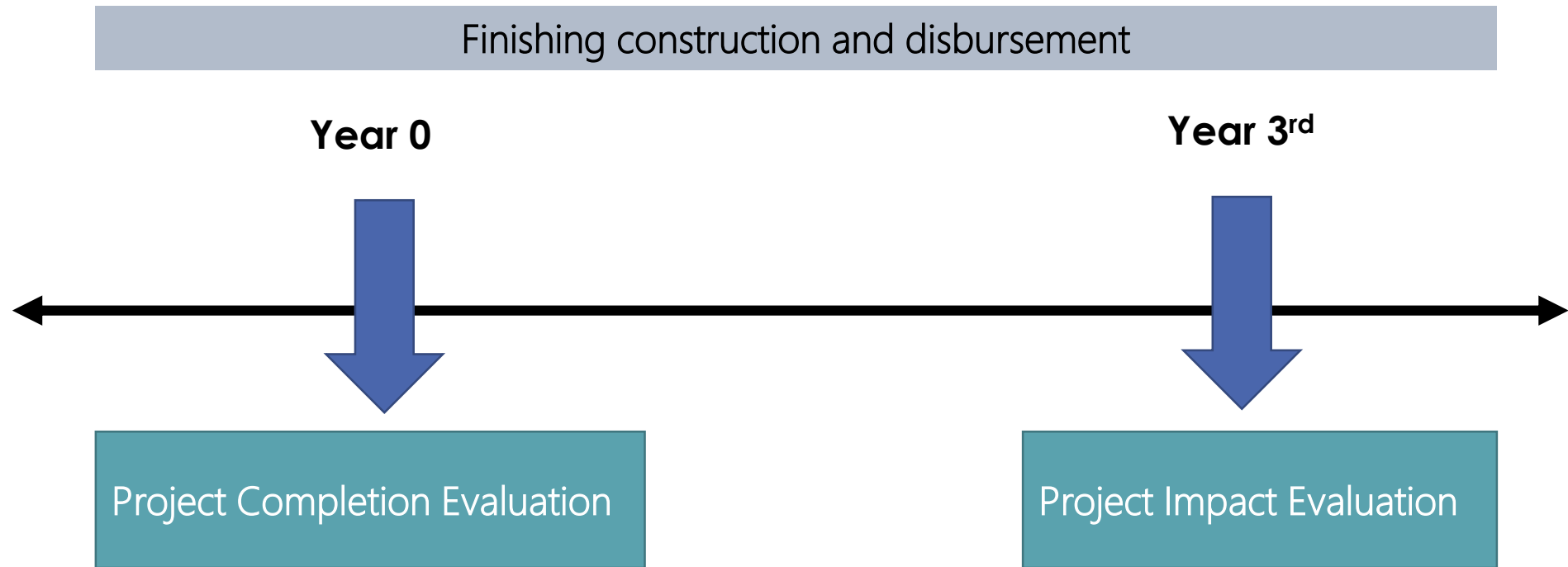
Nhong Khai-Thanaleng Railway



Pakse Airport Improvement

3. NEDA's Project Evaluation Concept

■ Stage of Evaluation



3. NEDA's Project Evaluation Concept

3.1 Project Completion Evaluation

- This stage is evaluated by NEDA. The main purposes are to summarize project cost and lessons learned during project implementation. The evaluation scopes are ;

- Contract Management and Disbursement
- Project Cost
- Construction and Supervision Summary Report
- Project Obstruction
- Project Outcome

3. NEDA's Project Evaluation Concept

3.2 Project Impact Evaluation

- This stage is evaluated by 3rd Party selected by NEDA, Most Methodologies are related to DAC analysis. The purposes are to;
 - Evaluate project outcome and impact and its compliance to the objectives and policy
 - Evaluate project sustainability and performance
 - Evaluate project's economic feasibility
 - Evaluate stake holders' satisfaction

3. NEDA's Project Evaluation Concept

3.2 Project Impact Evaluation

- Evaluation scope
 - Project Output and Outcome
 - Project Impact
 - Project Sustainability
 - Project's Economic Feasibility
 - Project Satisfaction

4. Case Study

The Improvement of the National Road No. 67 (Siem Reap – Anlong Veng), Cambodia

■ Project Details

- Improving Road NO. 67 approximately 137 Kms
- Two-Lane road with Double Bituminous Surface Treatment (DBST)
- Loan Amount: 1.3 Billion Baht

| Category | Budget in Loan Agreement | Budget in Loan Contract |
|-------------|--------------------------|-------------------------|
| Civil Work | 1,153,500,000 | 1,152,988,525 |
| Supervision | 61,000,000 | 53,500,000 |
| Management | 20,000,000 | 20,000,000 |
| Contingency | 65,500,000 | - |
| Total | 1,300,000,000 | 1,226,488,525 |

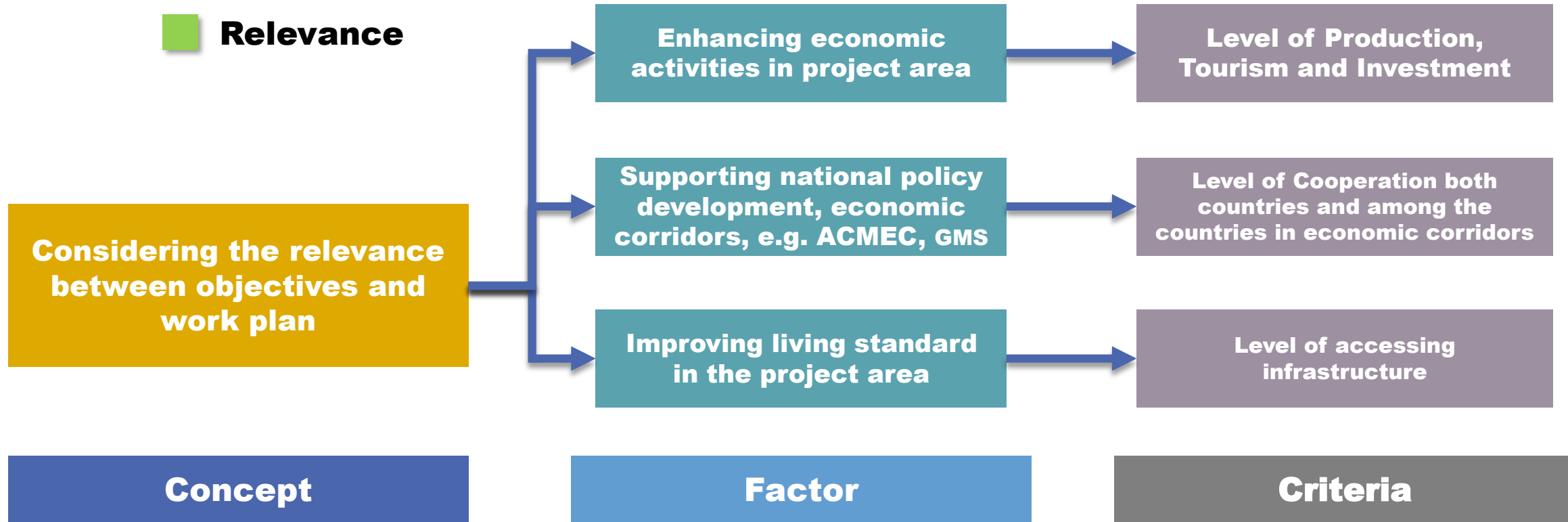


4. Case Study

Impact Evaluation with DAC analysis

1. Framework

Relevance

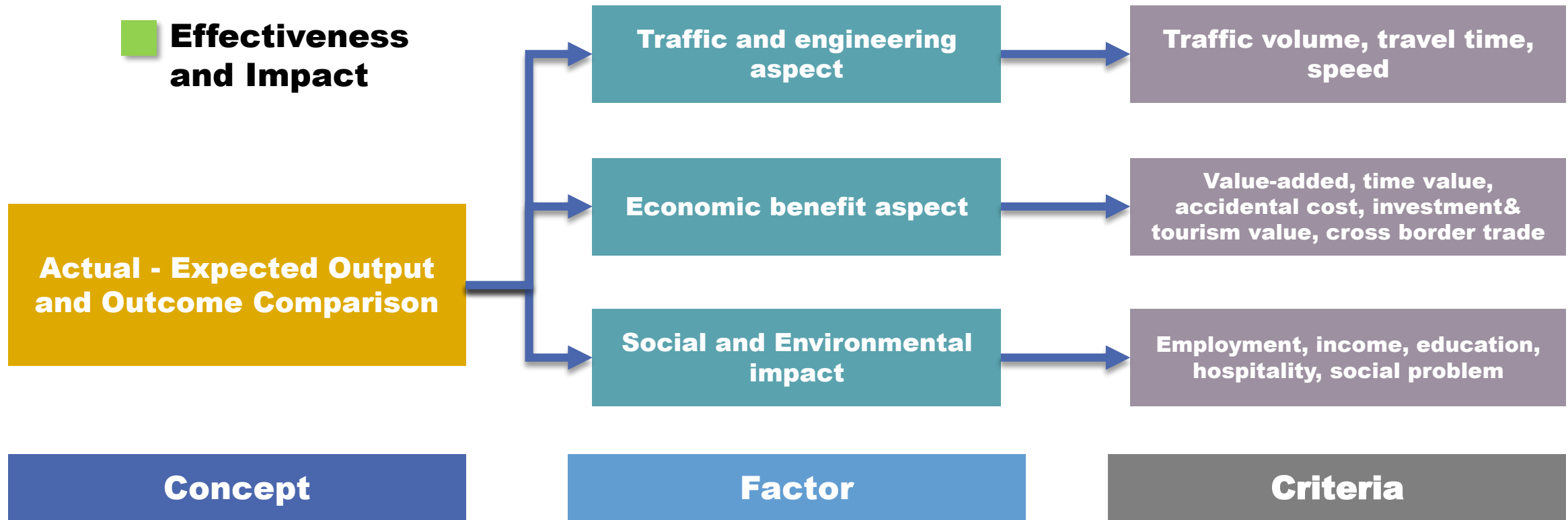


4. Case Study

Impact Evaluation with DAC analysis

1. Framework

Effectiveness and Impact

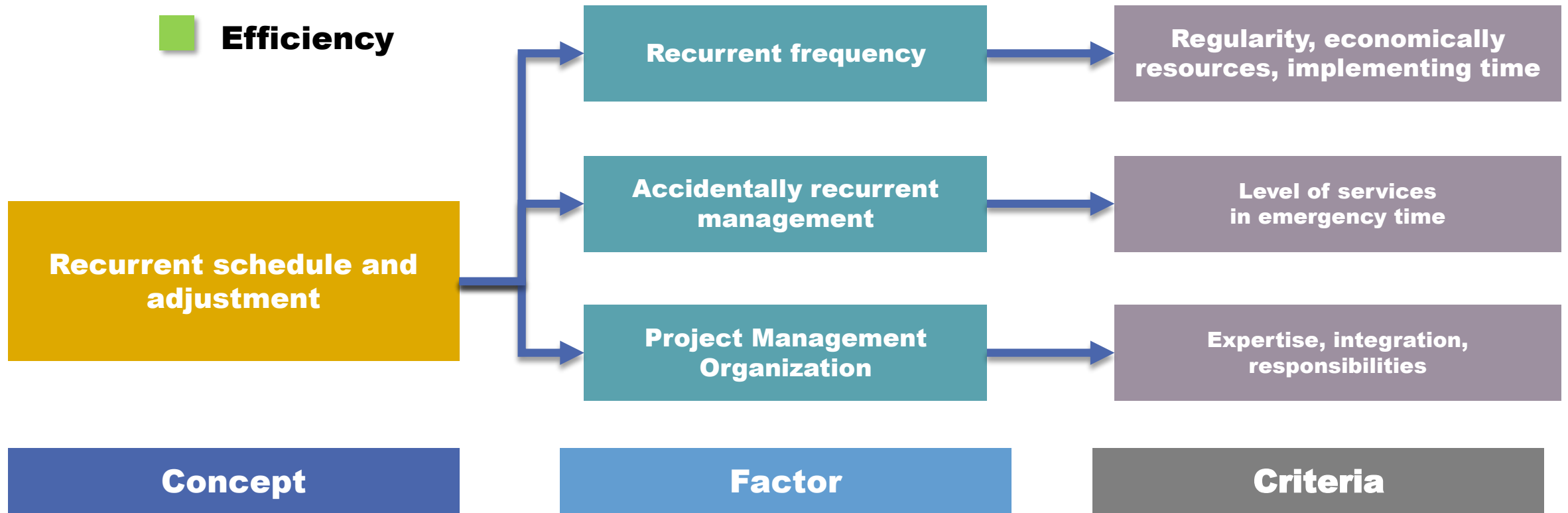


4. Case Study

Impact Evaluation with DAC analysis

1. Framework

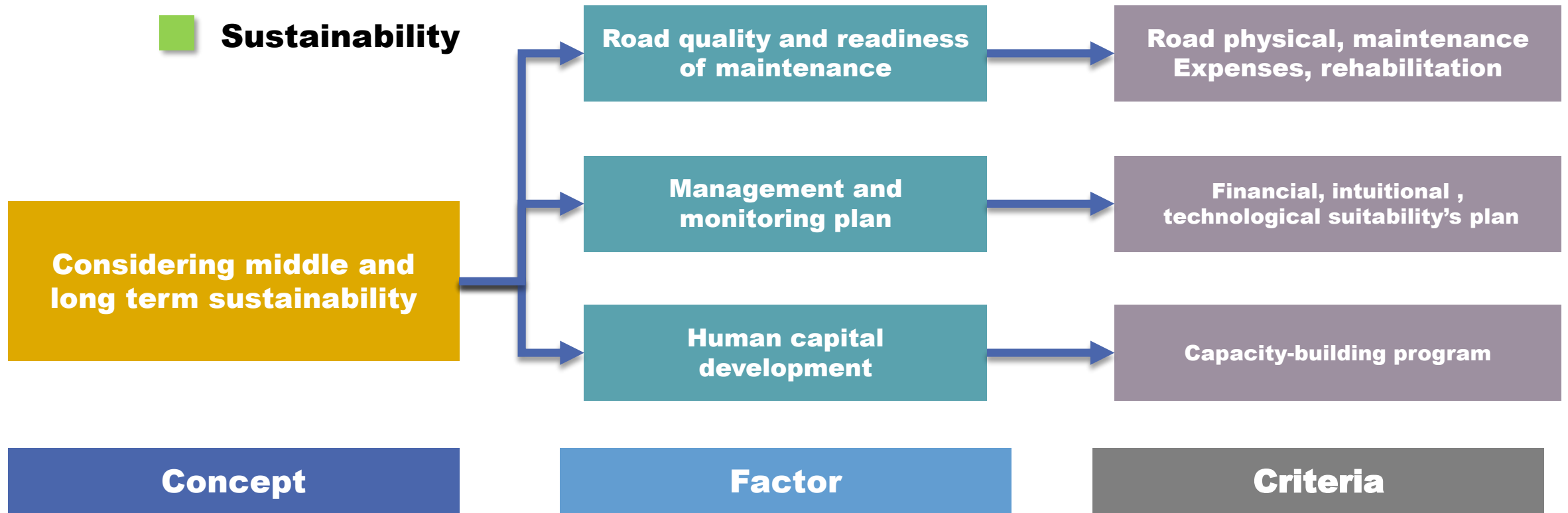
Efficiency



4. Case Study

Impact Evaluation with DAC analysis

1. Framework



4. Case Study

■ Impact Evaluation with DAC analysis

2. Evaluation Method

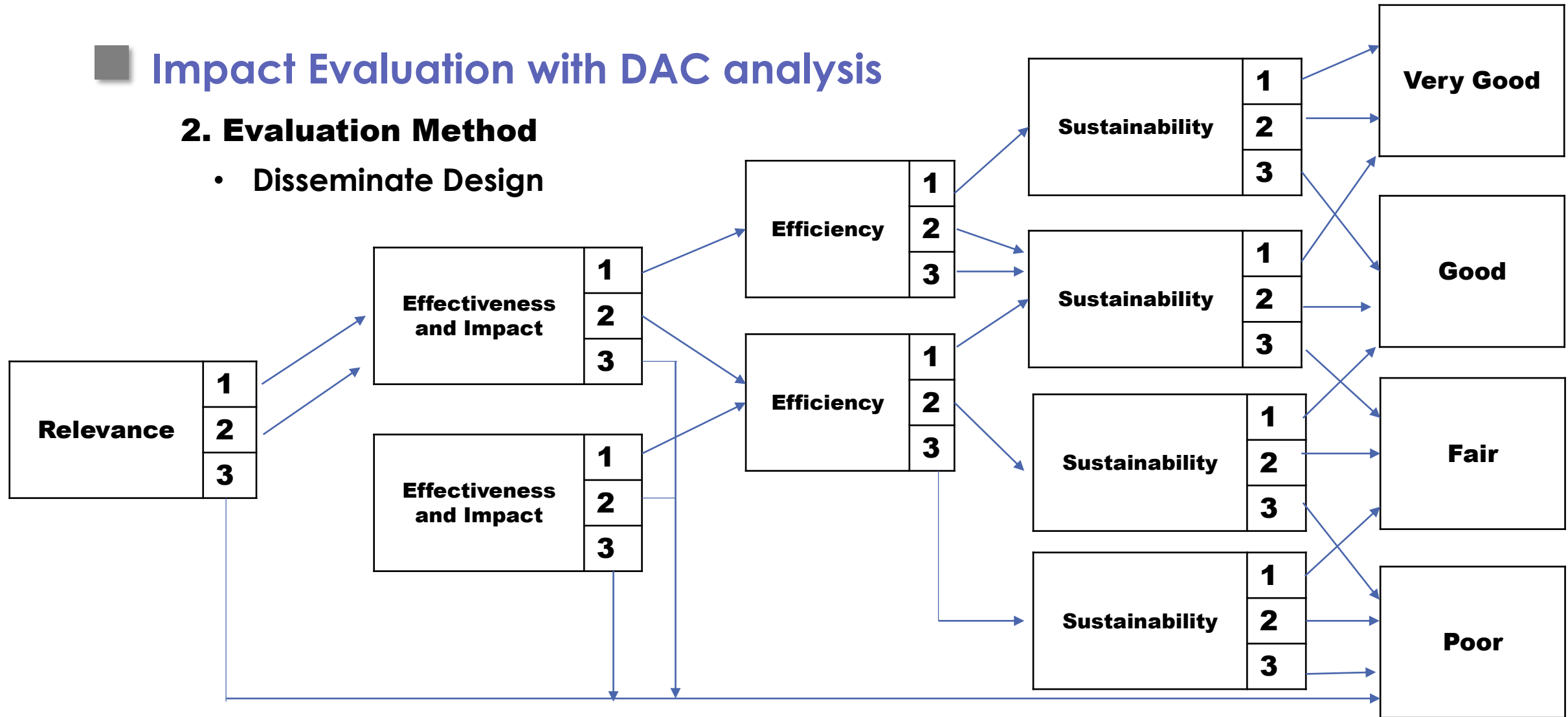
- **Point Rating Method with 2 Steps**
 - **Step 1: Evaluate each DAC component with 3 levels**
 - Level 1: Good
 - Level 2: Fair
 - Level 3: Poor
 - **Step 2: Evaluate overall with 4 levels**
 - Level 1: Very Good
 - Level 2: Good
 - Level 3: Fair
 - Level 4: Poor

4. Case Study

Impact Evaluation with DAC analysis

2. Evaluation Method

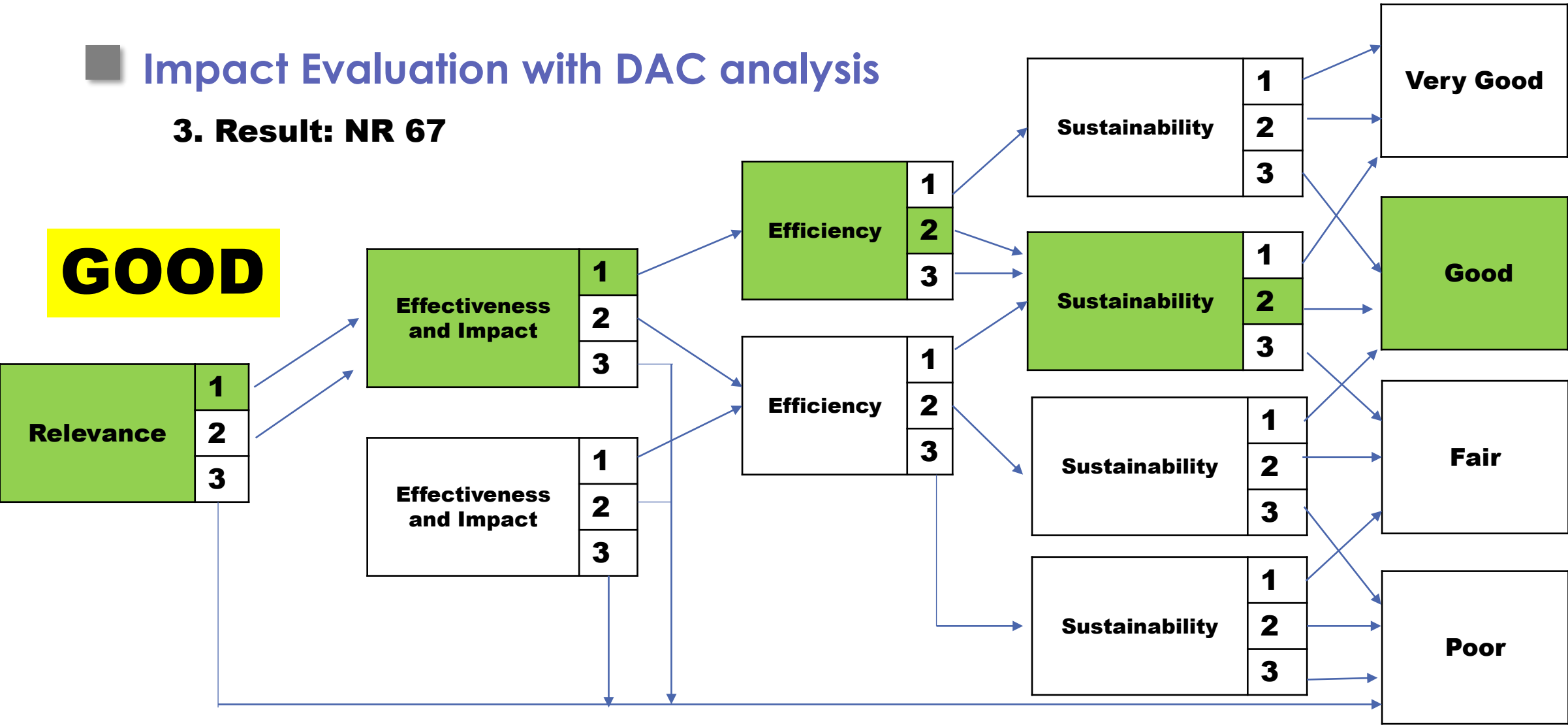
- Disseminate Design



4. Case Study

Impact Evaluation with DAC analysis

3. Result: NR 67



4. Case Study

■ Impact Evaluation with DAC analysis

4. Lessons Learned

- Assumption for the study should be based on the specific area, should not be one for all border.
- The pre-evaluating information is important for the local stakeholder, especially public institutions and government agency
- Detail Design has to study covered the natural disaster effects. From this project, the underestimated natural disaster caused the road rehabilitation was fast than expected
- The regulation should integrate both courtiers.



Q&A
THANK YOU
For Your Attention!