

BK-E5 & 6 Handout

Mid-Term Plan (2017-2020)

Toward “Integrated Education Plan”

JICA-MOPMAR team
Ministry of Education & Technical Education (MOE&TE)
Ministry of Higher Education & Scientific Research (MOHE&SR)

May 2017

Sharing Knowledge on Development and
Implementation of Execution Plans

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Education is fundamental for the country;
from “Education Policy” to “Human Capital Policy”
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Collaboration with MOE&TE
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Paper 1
Human Capital Development:

“Education is fundamental for the country;
From “Education policy” to “Human Capital Policy””

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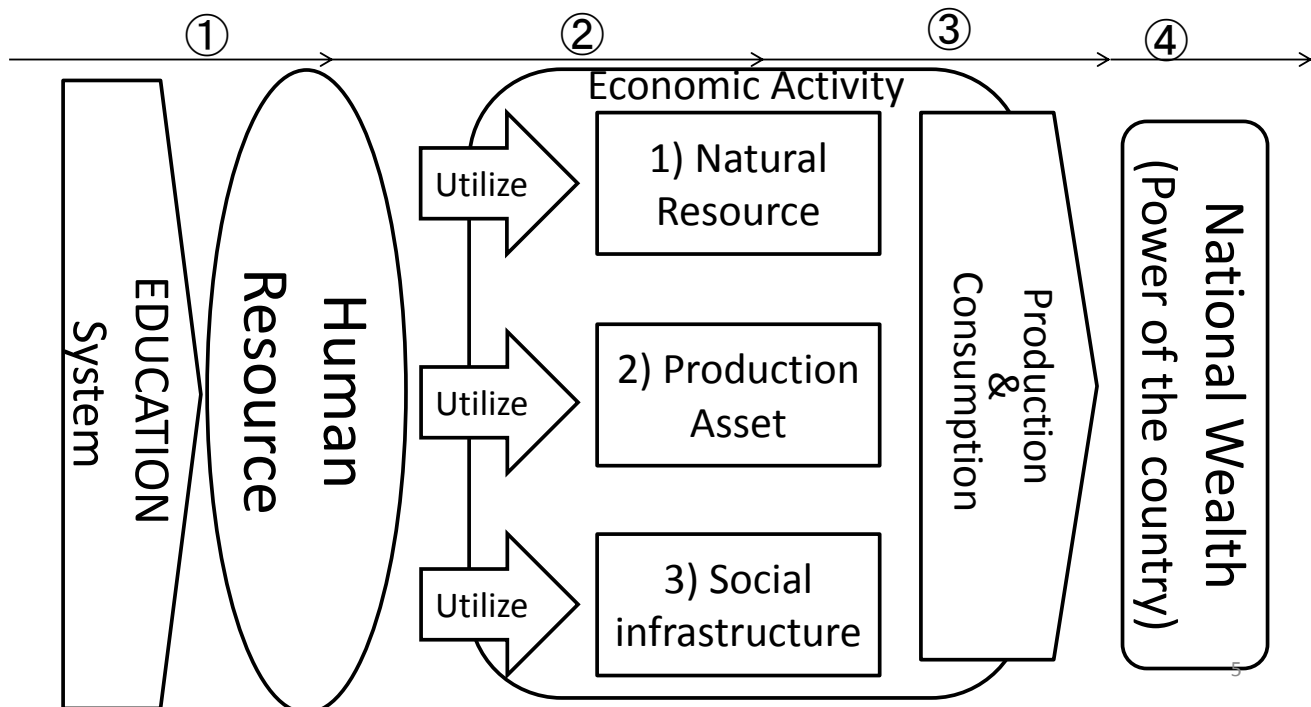
Paper 1: Table of contents

1. How to strengthen the Country, Egypt.
Starting from “Education system”
2. How to develop “Integrated Policy Model” in Egypt.
Integrated policy design: Education policy and other 9 policies.
2-1. 10 Policies to be integrated (Description of 10 policies)
3. Develop “Human capital policy”
Total education system (Academic, Practical and fundamental social education fields)
4. Benchmark for Human capital policy
Evolution process of “Education policy”
Education policy ⇒ Integrated Education Policy ⇒ Human Capital Policy
5. National investment to education system in Egypt along with The Constitution.
6. Macro Education Model
Education circulation system
National Education Model

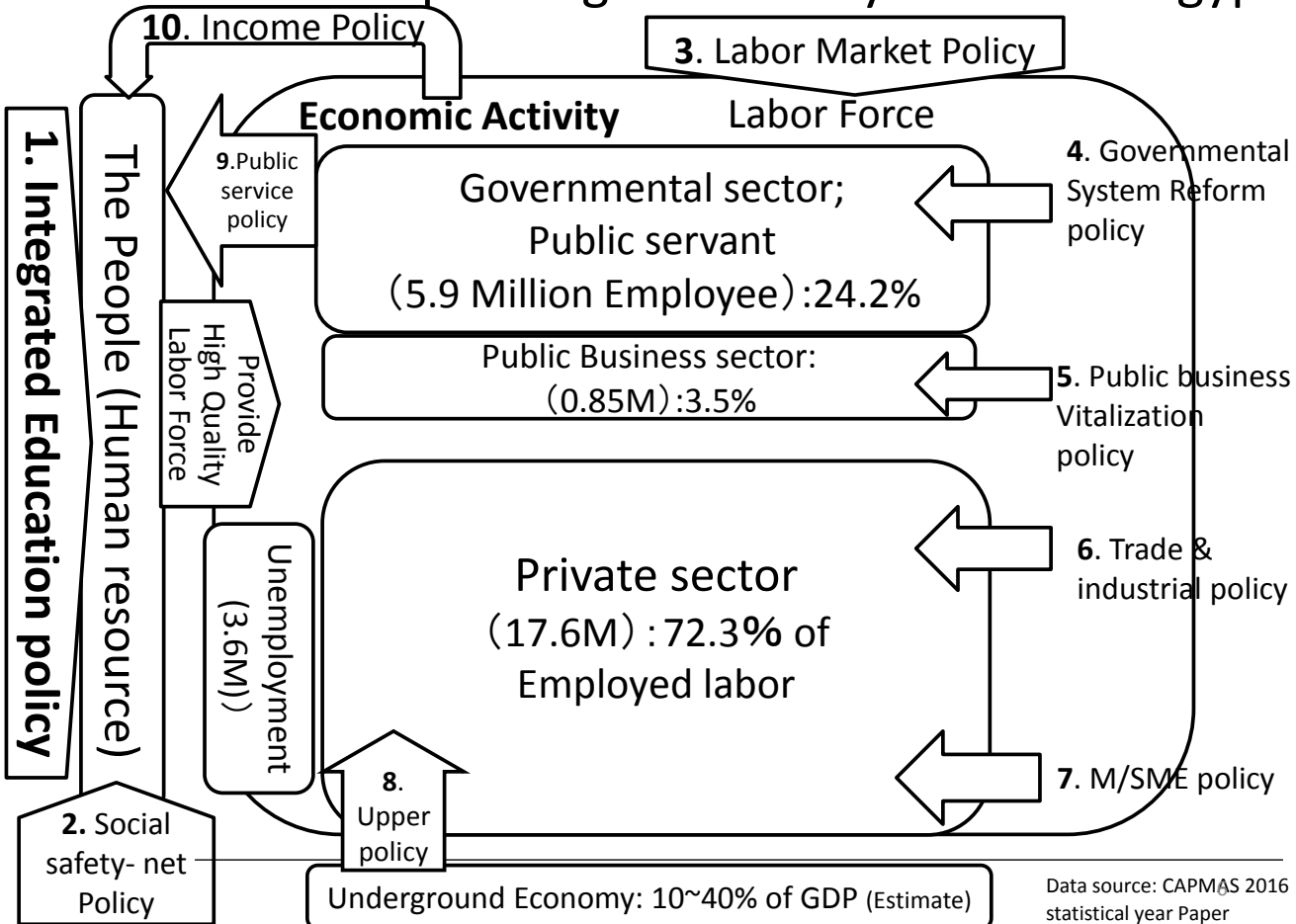
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1. How to strengthen the Country, Egypt.

- ①. Good Education system develops qualified Human Resource.
- ②. Qualified HR can utilize the resource and asset of the country like 1) Natural resource, 2) Production asset and 3) Social infrastructure.
- ③. If this production mechanism functions well, it enhances sound production and consumption.
- ④. Then, it creates fruitful national wealth.



2. How to develop “Integrated Policy Model” in Egypt



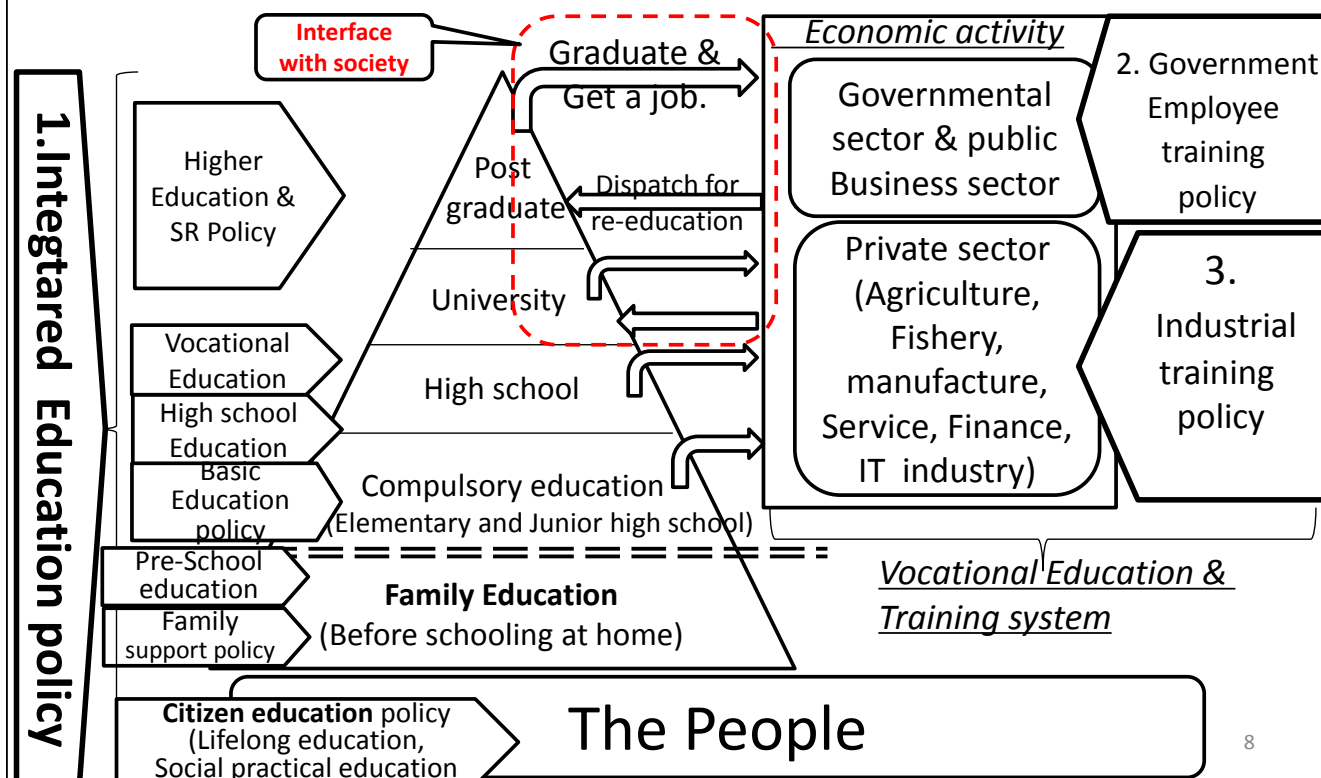
2-1. 10 Policies to be integrated

	Policy	Description	Category
1	Integrated Education Policy	Develop Human Resource of the people. Develop "Academic and Industrial" education system.	HR
2	Social Safety-net policy	Poverty policy. Social security policy. Establish the mechanism of supporting minimum standard of life.	Life
3	Labor Market Policy	Employment policy in order to achieve the level of full employment. Create efficient Labor force market.	Social mechanism
4	Governmental System Reform Policy	Implement good governance system. Enhance the quality of organization. Efficiency and Productivity.	Public System
5	Public business Vitalization policy	Not privatization. Restructure the business model of public company in order to maximize the performance.	Public system
6	Trade & Industrial policy	Foster and support. Productivity and competitiveness is the key to stimulate the business sector.	Private sector
7	Micro / SME policy	Informal sector is huge in Egypt. Governmental Bailout to them. Provide a chance to grow with policy.	Private sector
8	Upper policy	There is underground economy in the world. It is necessary to push them up on sound economy.	Social mechanism
9	Public Service policy	The people needs good public services. Innovate the quality of services in order to support the life.	Public system
10	Income policy	Solve the problem of Income disparity. Implement fair income distribution system (Tax, Subsidy,,,))	Life

3. Develop "Human capital policy"

There are 3 education policies as follows. It is necessary to integrate them as "**Human Capital Policy**"

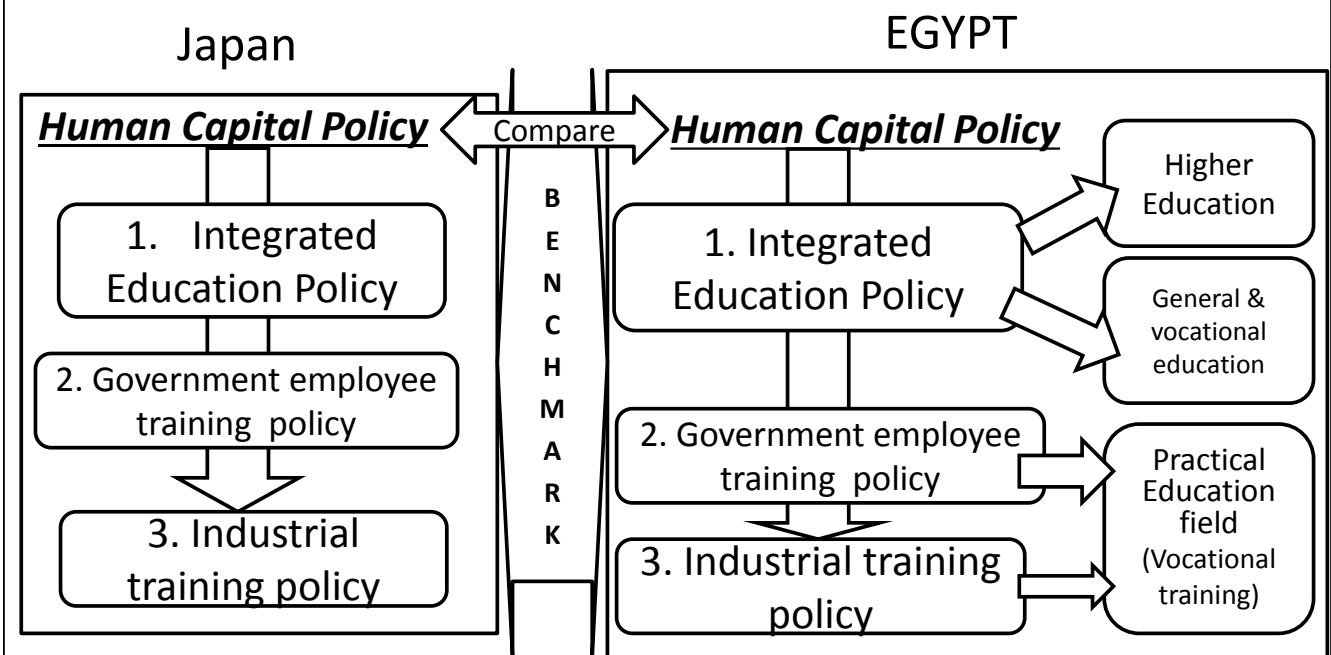
1. Integrated Education policy for schooling, family (Pre school) and civil education for the people
2. Governmental education policy for the efficiency and fairness of administration system.
3. Industrial education policy for the productivity and competitiveness of private sector.



4. Benchmark for Human capital policy

Evolution process of "Education policy"

Education policy ⇒ Integrated Education Policy ⇒ **Human Capital Policy**



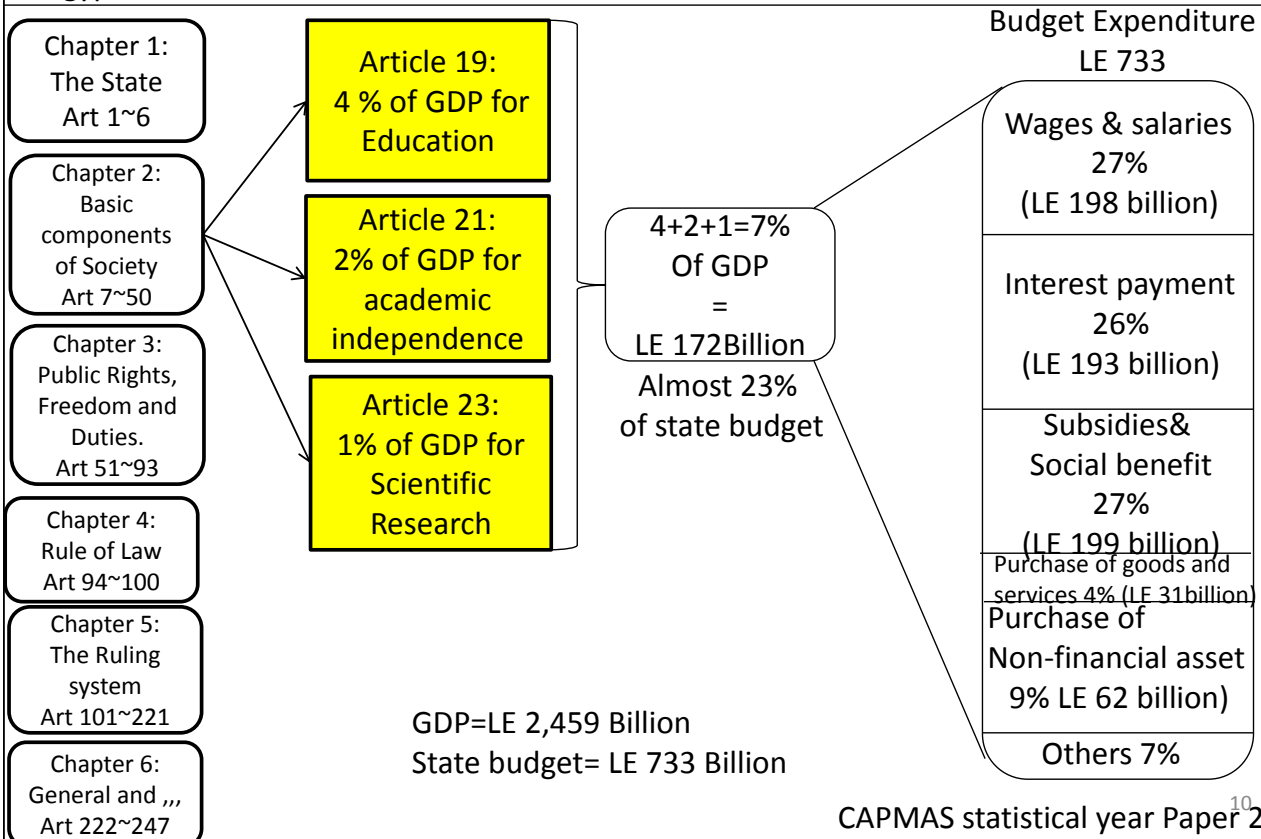
BENCHMARK: Study the function, organization, structure and performance.
Find the essence of the mechanism, and then apply it in Egypt.

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5. National investment to education system in Egypt along with the Constitution.

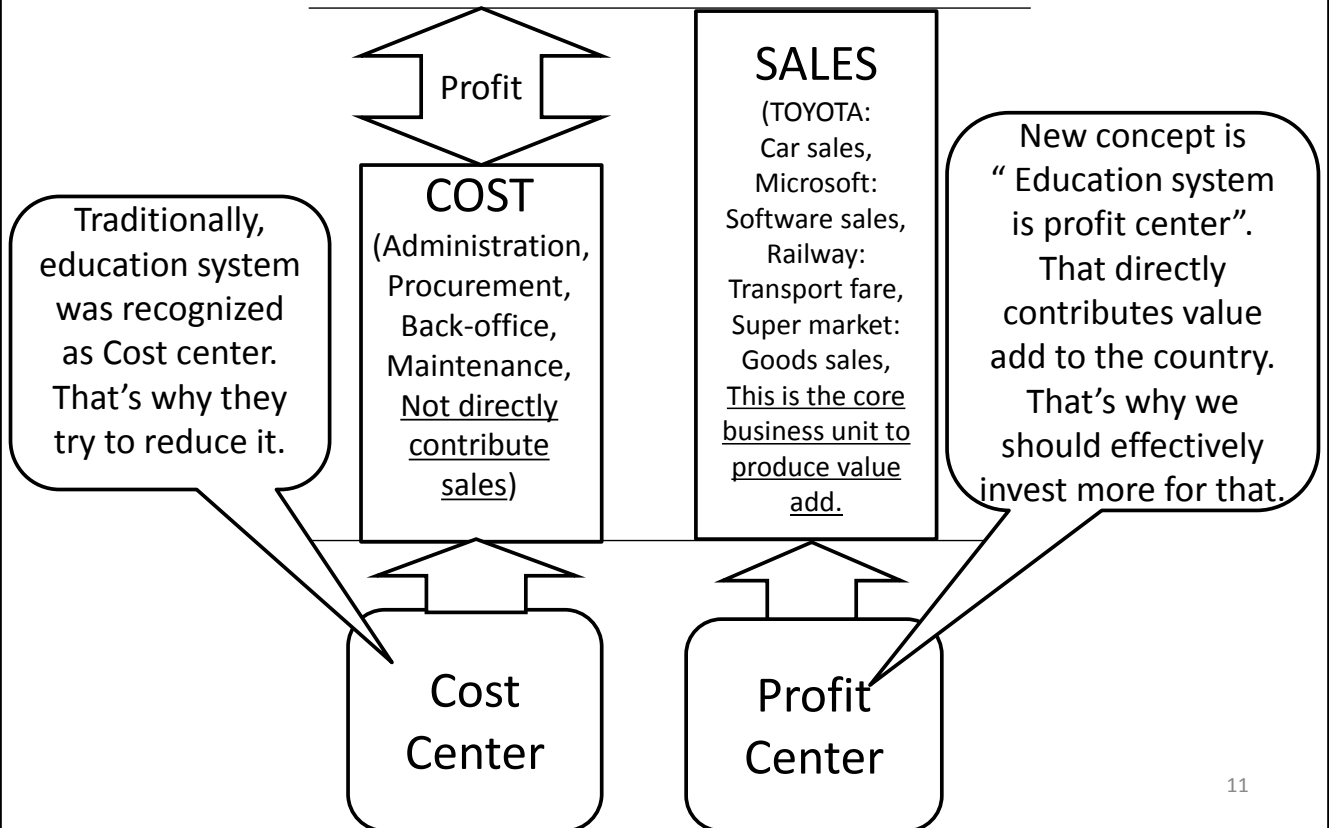
A. Constitution
In Egypt

Financial analysis for the investment amount to Education system



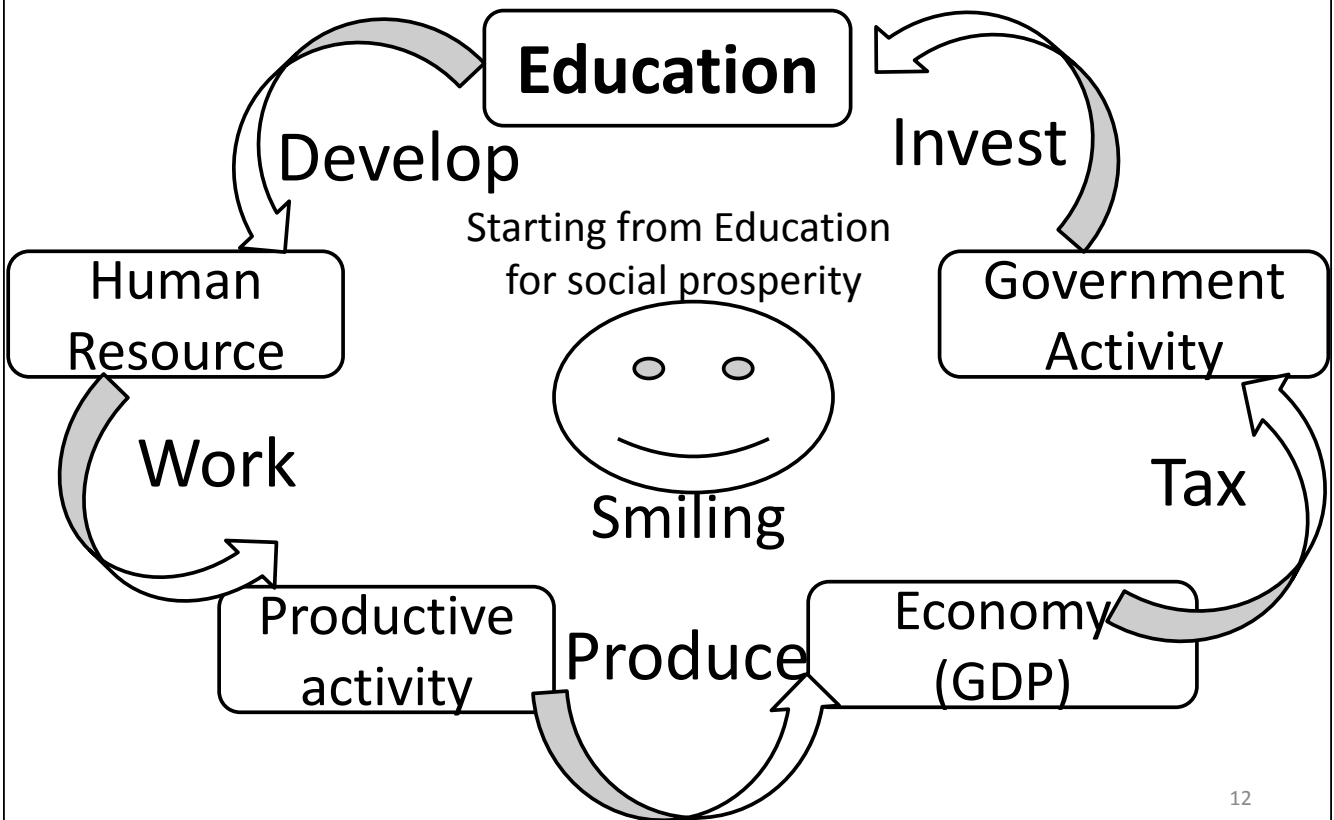
CAPMAS statistical year Paper¹⁰ 2016

Analogy?

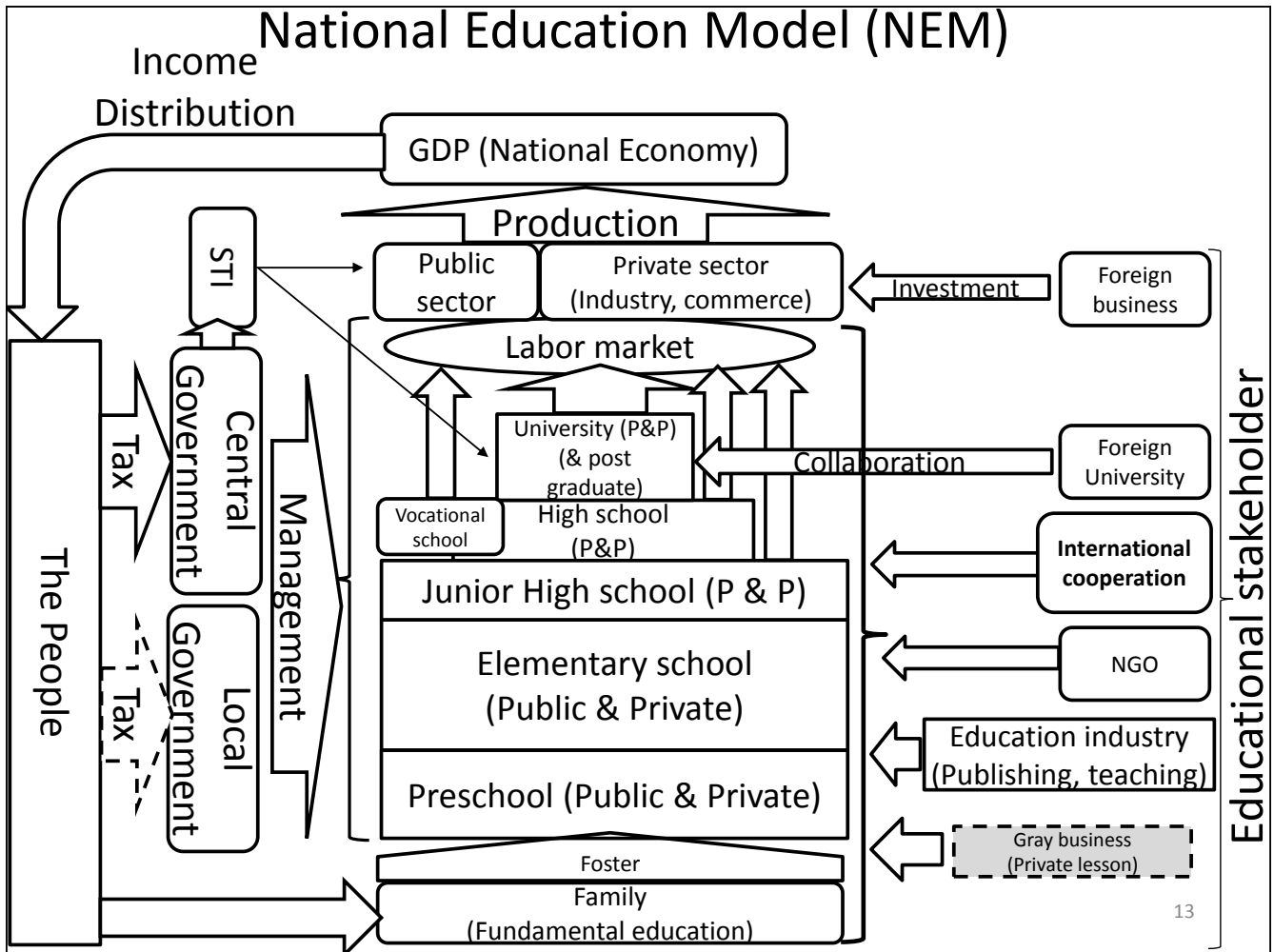


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6. Macro Education Model Education circulation system



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End of Paper 1

Paper 2

How to analyze “Mid-Term Plan”

(Case study of “Pre-University Education” field)
Collaboration with MOE&TE

JICA-MOPMAR team
Ministry of Education & Technical Education (MOE&TE)

May 2017

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Paper 2: Table of contents

1. Analysis Framework

- 1-1. Analysis framework
- 1-2. (Important) List of 15 objectives
- 1-3. Education system chart mapping with 15 objectives

2. Planning process for MTP (Input / output)

- 2-1. Planning process in MOE&TE
- 2-2. Analysis and editing for Education MTP
- 2-3. Basic framework of MTP

3. How to make “Plan” (Analysis and modeling approach)

- 3-1. Goal of Education
- 3-2. Purpose and Measure
- 3-3. Simplified Planning model.
- 3-4. Planning system model
- 3-5. Analysis flow for Plan paper

4. Next step: Finding and enhancement

- 4-1. GAP analysis between purpose and measure
- 4-2. Recommended enhancement process

5. Attachment:

- 5-1. MTP (Table of contents); Sample
 - 1. Policy paper
 - 2. Project / Program Design

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1. Analysis Framework

1-1. Analysis framework

1-2. (Important) List of 15 objectives

1-3. Education system chart mapping with 15 objectives

1-1. Analysis framework

Layer (Purpose & Measure)		INPUT for this analysis			
		1. SDS2030	2. Government Program	3.Strategy 2014-2030 (Paper 1)	4. Strategy 2014-2017 (Paper 2)
1	Ultimate goal	Common: HR, Quality of Life and Stable society			
2	Goals	Common: Quality of Education & Capacity of Education			
3	Objectives	3 for GE 3 for TE	5	16 for GE 1 for TE	50 for GE 12 for TE
4	Themes or Challenges	33 for GE 23 for TE	-	25 for GE & TE	117 for GE 18 for TE
5	Project & Program	15 for GE 9 for TE	-	0	665 for GE 277 for TE
6	Financial system	-	-	0	-

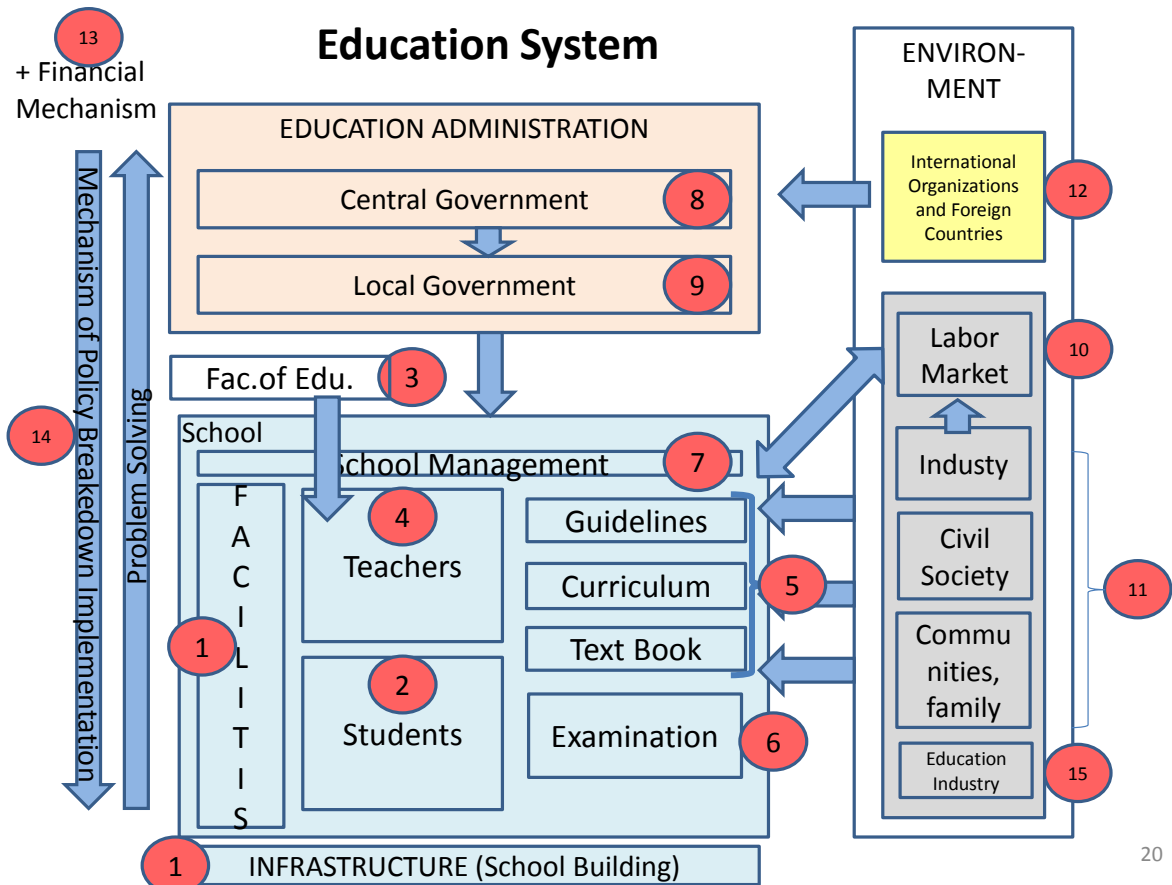
(Important)
List of 15
objectives

1-2. (Important) List of 15 objectives

1. School infrastructure (Building, Facility, teaching environment)
2. Student support (Equality, variety, Career development, equal opportunity for everybody)
3. System of Faculty of Education (Fostering qualified teacher for school)
4. Teacher quality improvement (Motivation system, training, incentive)
5. Teaching tools and method (Standard teaching guideline, curriculum, textPaper)
6. Examination system (Regular, University admission, evaluation system)
7. School management (Administration, organization relation management with parents)
8. Central administration system (Policy making, institution development, implementation)
9. Local education administration (Hands on support to school, decentralization, info. Sharing)
10. Link with social needs (Labor market or industry needs)
11. Social collaboration system (regional community, NGO, Private sector)
12. Utilizing available education resource (International cooperation, knowledge, finance)
13. Finance system (Mechanism, transparency, efficiency)
14. Feedback system between central government and school (Accreditation, information sharing, problem solving system)
15. Education industry (After school, publishing, study supply)

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1-3. Education system chart mapping with 15 objectives.



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2. Planning process for MTP (Input / output)

2-1. Planning process in MOE&TE

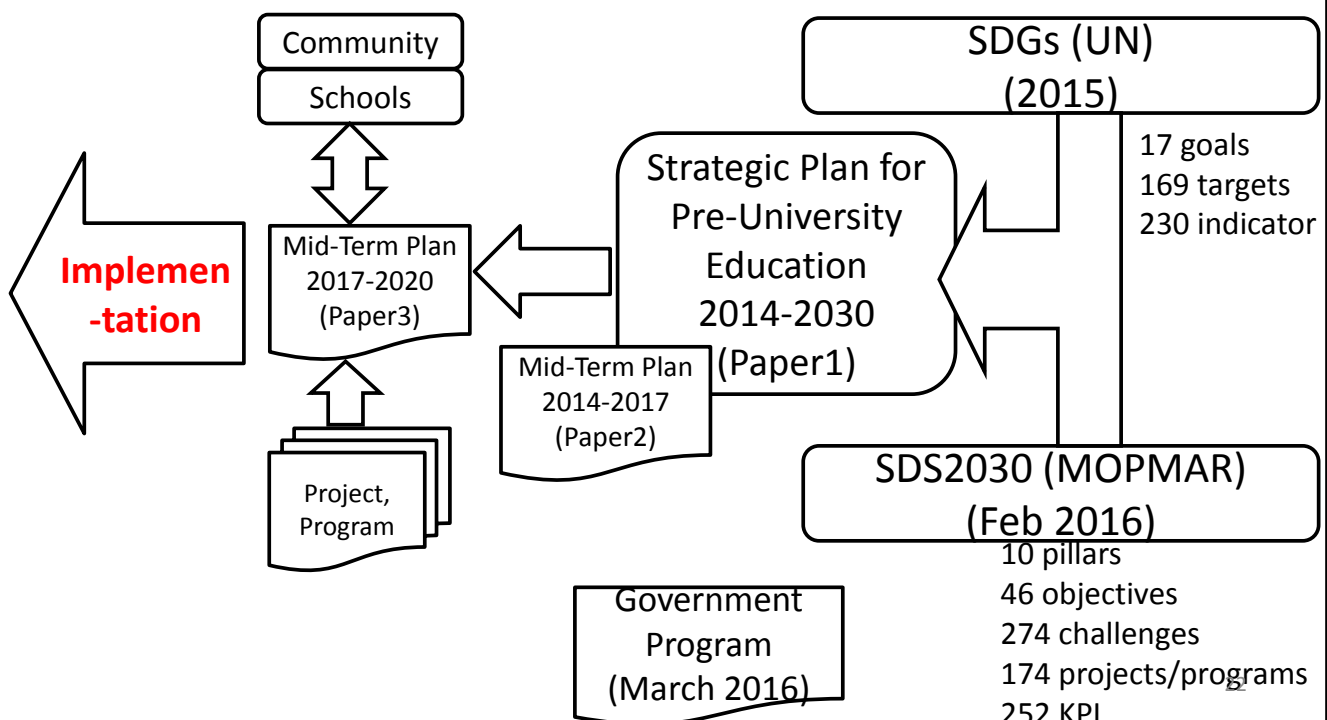
2-2. Analysis and editing for Education MTP

2-3. Basic framework of MTP

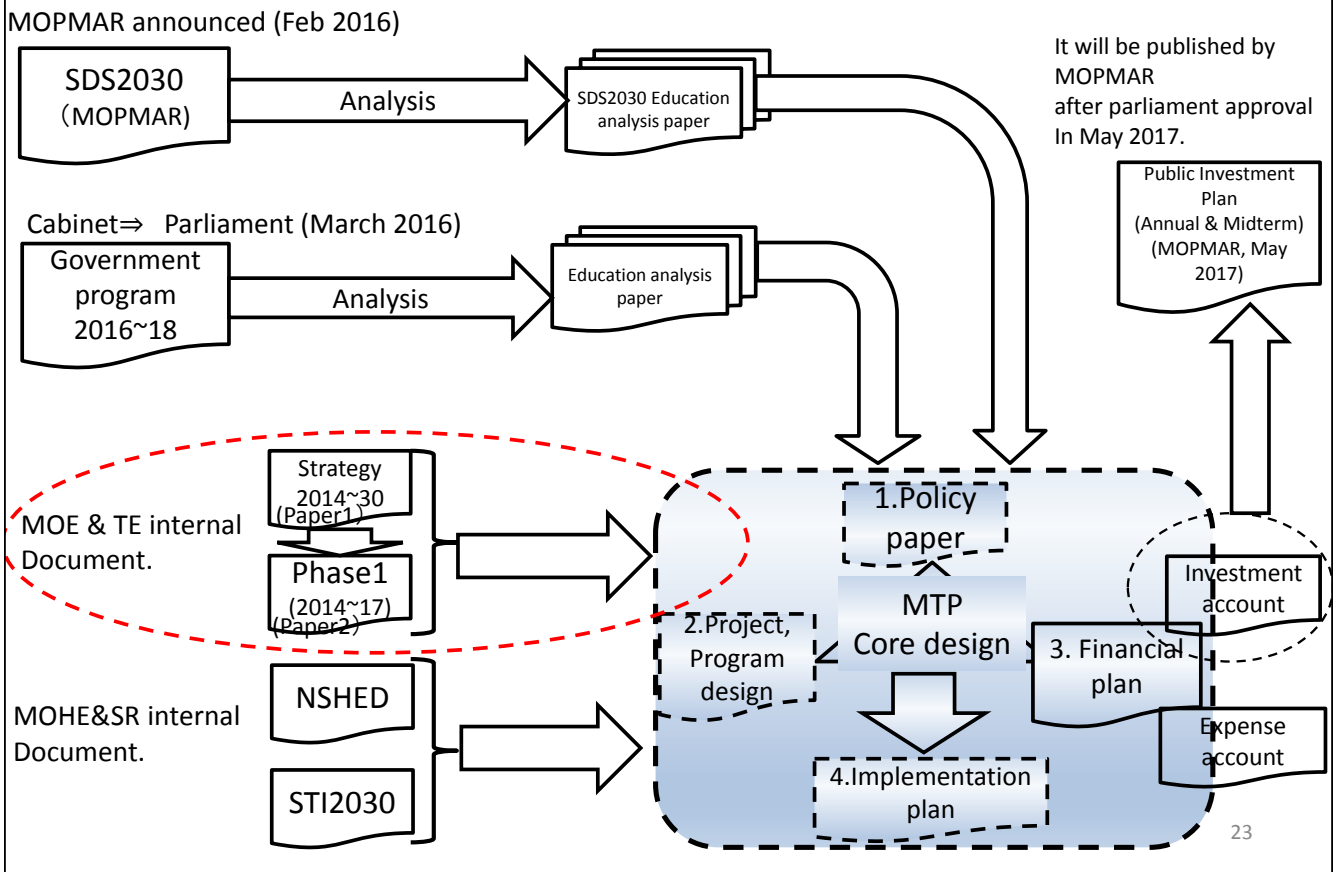
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2-1. Mid Term Plan

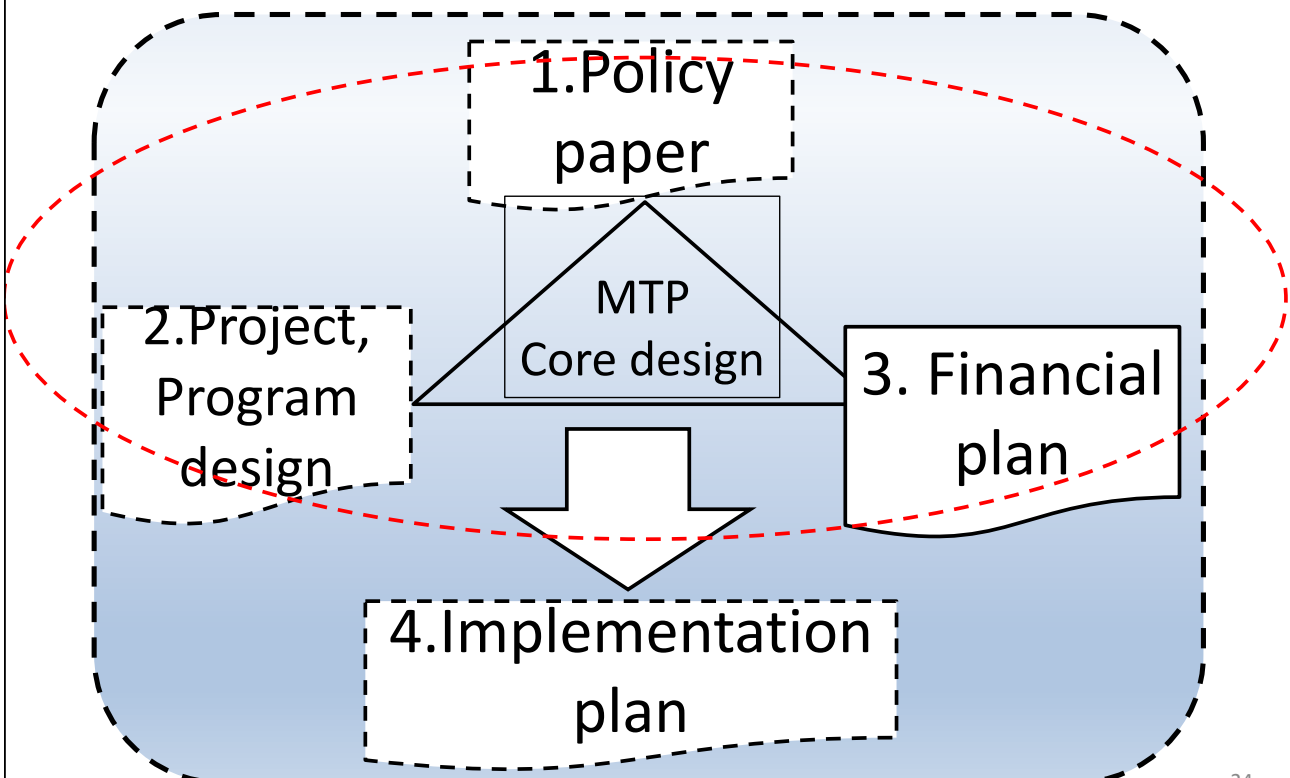
Planning process in MOE&TE



2-2. Analysis and editing approach for Education MTP



2-3. Basic framework of MTP



3. How to make “Plan” (Analysis and modeling approach)

3-1. Goal of Education

3-2. Purpose and Measures

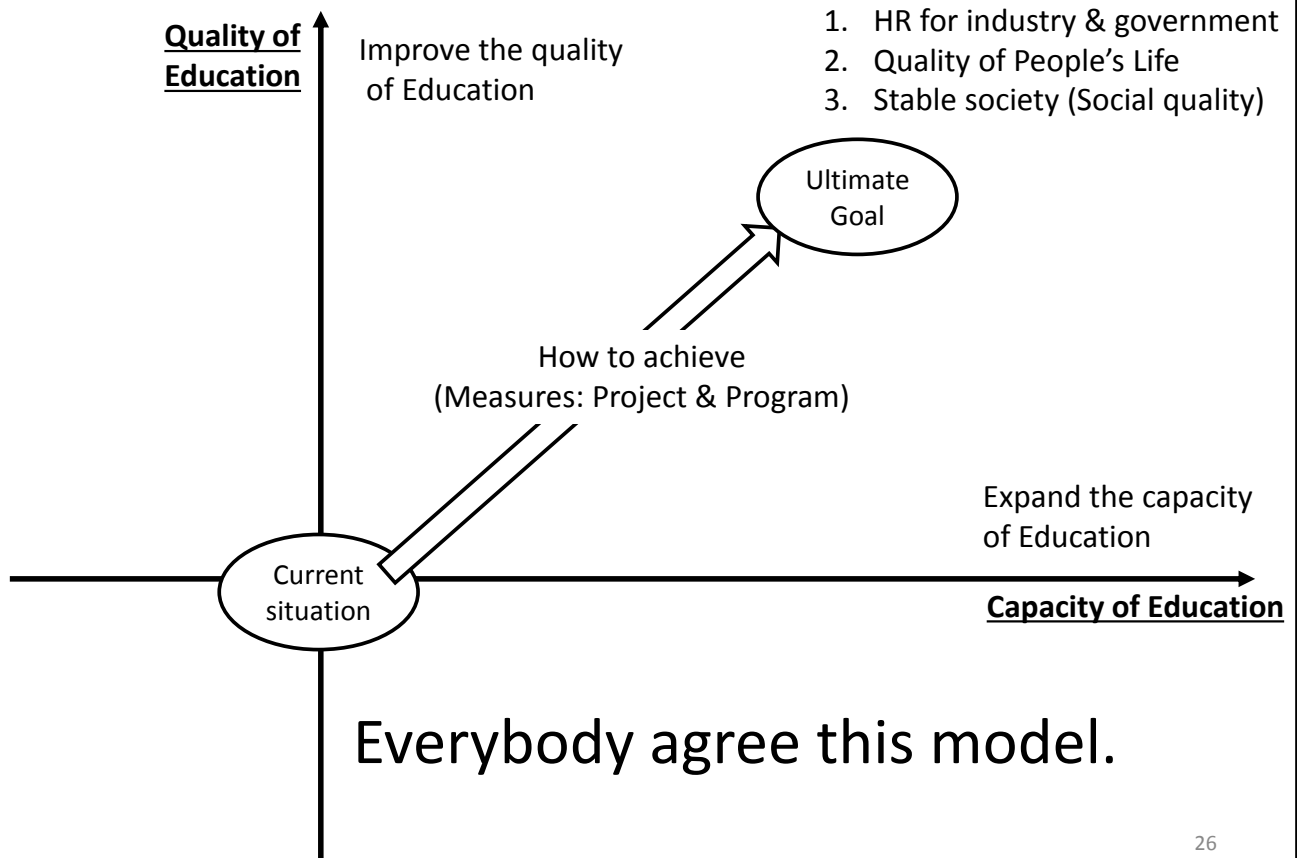
3-3. Simplified Planning model.

3-4. Planning system model

3-5. Analysis flow for Plan paper

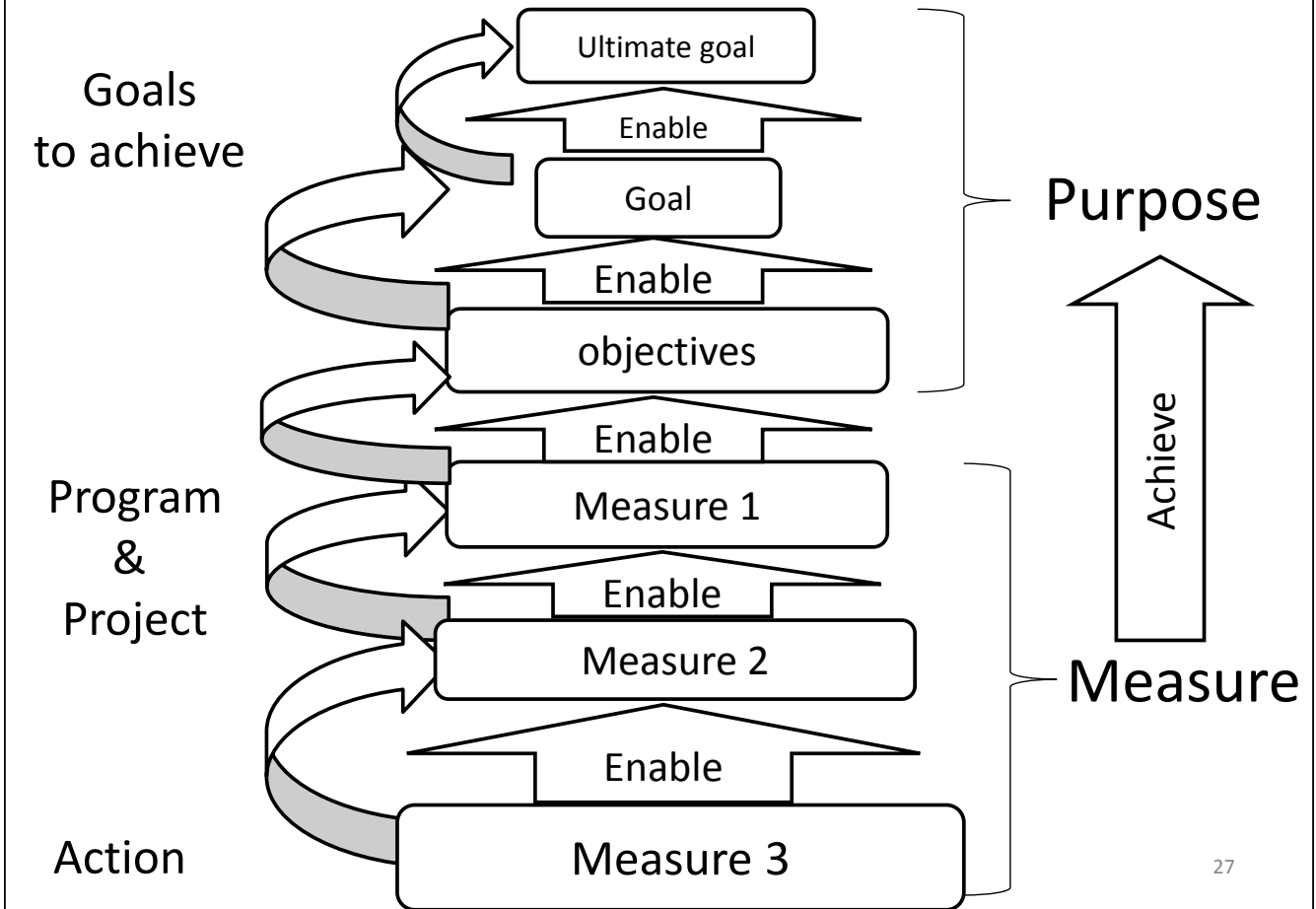
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3-1. Goal of Education



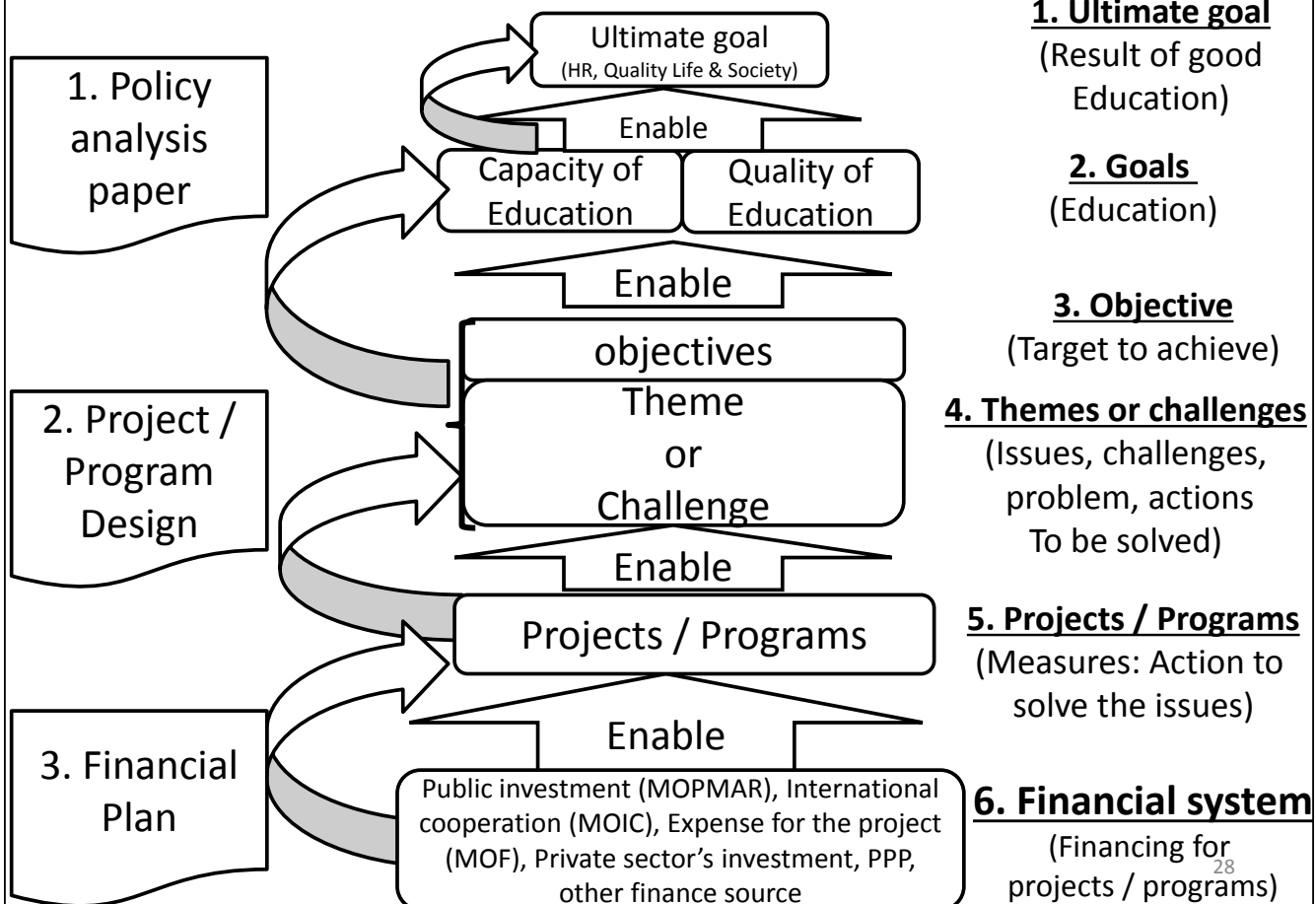
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3-2. Purpose and Measures

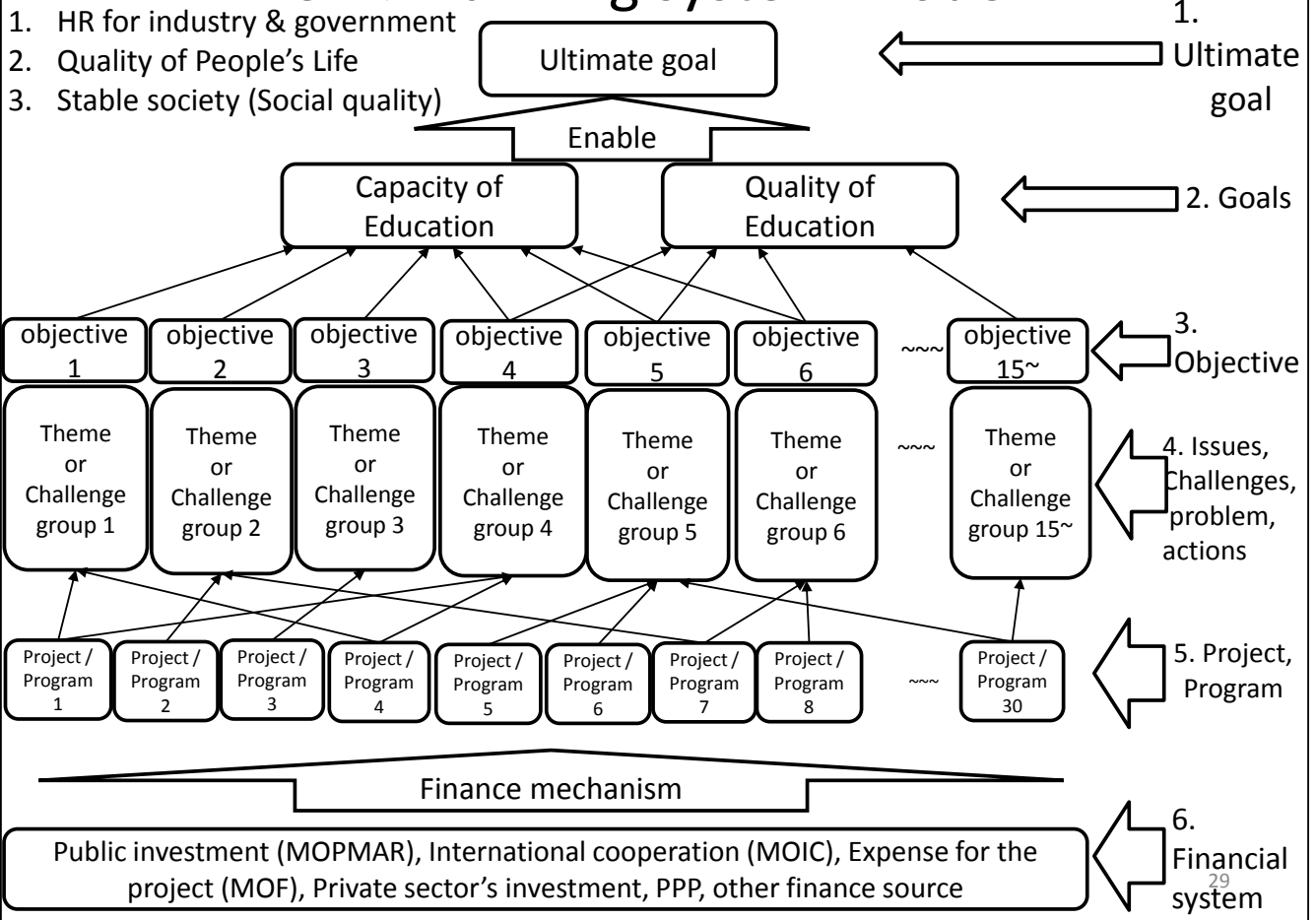


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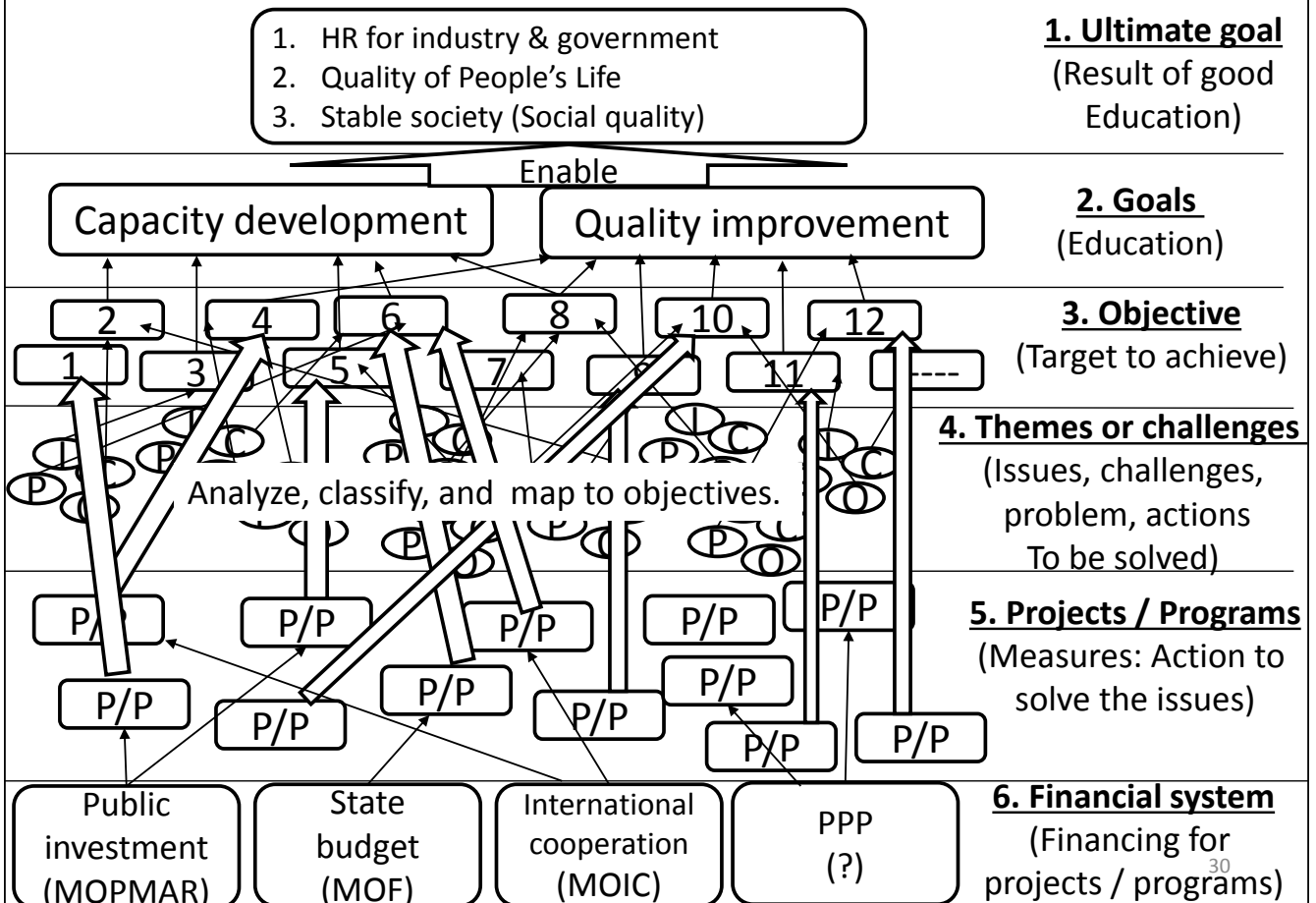
3-3. Simplified Planning model (Ex: Education)



3-4. Planning system model



3-5. Analysis flow for Plan paper



4. Next step: Findings and enhancement

4-1. Gap analysis between purpose and measure

4-2. Recommended enhancement process

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4-1. Gap analysis between purpose and measure

1. Gap between objective and Project / Program (P/P)
 - Mismatch between purpose and measure
 - Unbalance among objectives (Need to decide priority)
2. Duplication and conflict in P/P.
 - More than 1 P/P for same objectives (Lack of Efficiency)
 - Need to revisit P/P.
3. Finance commitment for Project and Program
 - Some P/P without financial commitment
 - Efficient financial management system (Cost vs. Effect)

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4-2. Recommended MTP execution process

On the process of executing MTP, we will learn a lot of knowledge and practice.

- 1) Implementation
- 2) Monitoring
- 3) Recovery
- 4) Evaluation
- 5) Put the learnings to next MTP

We will share some tools and method for MTP execution.

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5. Attachment **(Basic framework)**

5- MTP (Table of contents):

1. Policy paper
2. Project / Program Design

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5. MTP (Table of contents)

1. Policy paper: Basic policy and planning

1-1. Current situation and themes

We can define them through policy discussion.

1-1-1. Current situation (Problems and causes)

1-1-2. Themes (Categorized issues to be solved)

1-2. Necessary policies to solve the themes

We can design Education system.

1-2-1. Education policy model

1-2-2. Table of theme

1-3. Goal setting

We must show expected achievement (Effects) in 3 years later.

1-3-1. Social contribution

1-3-2. Economic contribution

1-4. Total picture of education system and model to be achieved.

1-4-1. Education stakeholder analysis

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2. Project / Program design paper

2-1. Project / Program design

All Project / Program must link with the goals, and then need to consider as follows.

2-1-1. Necessary formation in the ministry

2-1-2. Necessary cooperation with other ministry

2-1-3. Necessary partnership with private sector: PPP, NGO

2-1-4. Necessary cooperation in the regional social community

2-1-5. Necessary collaboration schema with donor

2-2. Financial requirements & Planning:

2-2-1. Government investment

- School construction, new facility, project & program cost to be reserved.

2-2-2. Budget for new teacher

2-3. CSF(Critical Success Factor): The requirement out of finance

2-3-1. Change of teacher's mind set

2-3-2. Establish mutual trust between school and community:

2-3-3. Collaboration with industry

2-3-4. Management system redesign in school, public institute

2-3-5. Legislation and proper process to execute the law

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End of Paper 2

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Paper 3

How to analyze “Mid-Term Plan”

(Case study of “Higher Education” field)

Collaboration with MOHE&SR

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Paper 3: Table of contents

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5. Attachment:

- 5-1. MTP (Table of contents); Sample
 - 1. Policy paper
 - 2. Project / Program Design

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1. Analysis Framework

1-1. Analysis framework

1-2. (Important) List of 15 objectives

1-3. Education system chart mapping with 15 objectives

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1-1. Analysis framework

Layer (Purpose & Measure)		INPUT for this analysis			
		1. SDS2030	2. Government Program	3. HE 2015- 2030 (Input for NASHED)	4. HE Mid Term Plan 2017-2020
1	Ultimate goal	Common: HR, Quality of Life and Stable society			
2	Goals	Common: Quality of Education & Capacity of Education			
3	Objectives	3	1	6	4
4	Themes or Challenges	22	-	10	15
5	Project & Program	8	-	50 (in 12 Path)	-
6	Financial system	-	-	0	40

(Important)
List of 15
objectives

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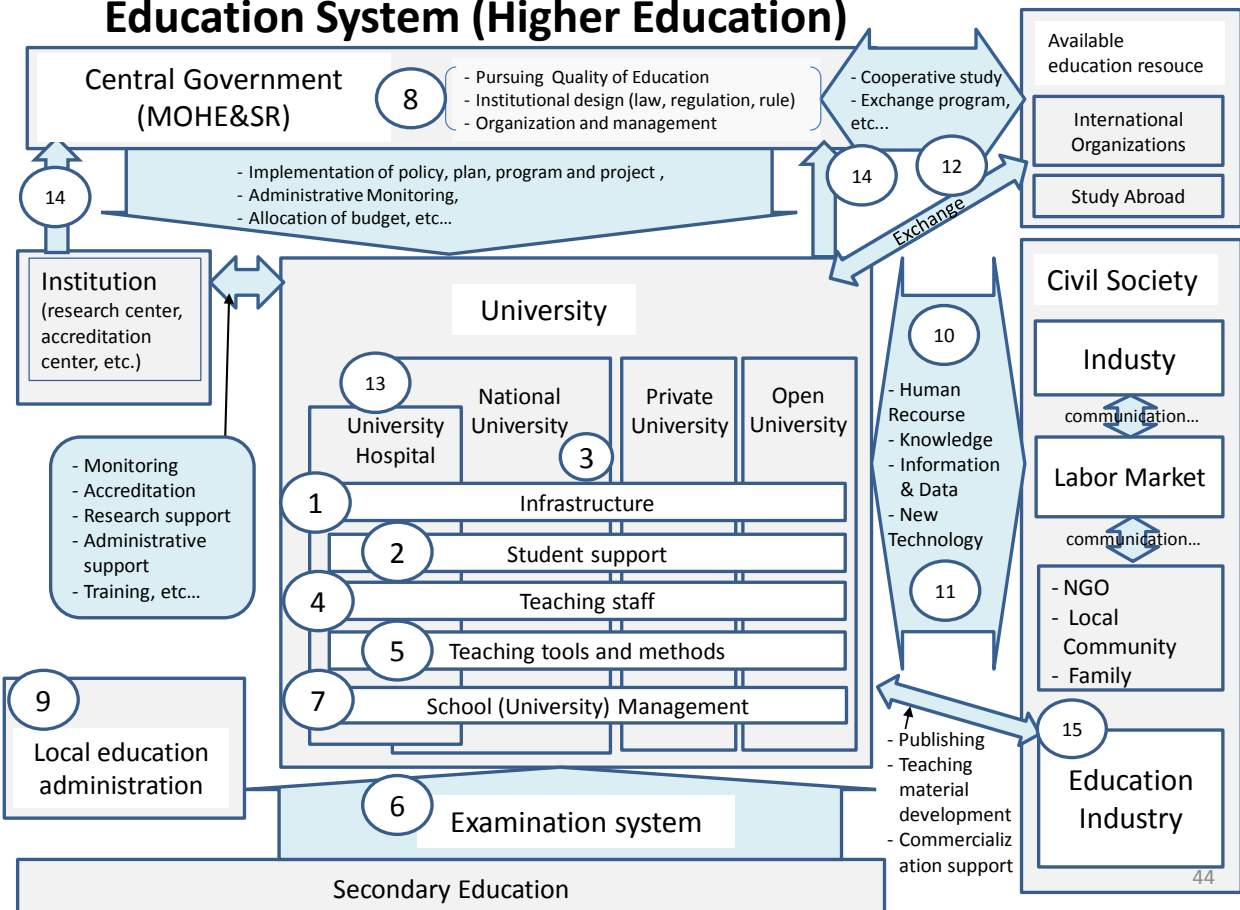
1-2. (Important) List of 15 objectives

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15. Education industry (After school, publishing, study supply)

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1-3. Education system chart mapping with 15 objectives.

Education System (Higher Education)



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2. Planning process for MTP (Input / output)

2-1. Mid-term Plan Planning process in MOHE&SR

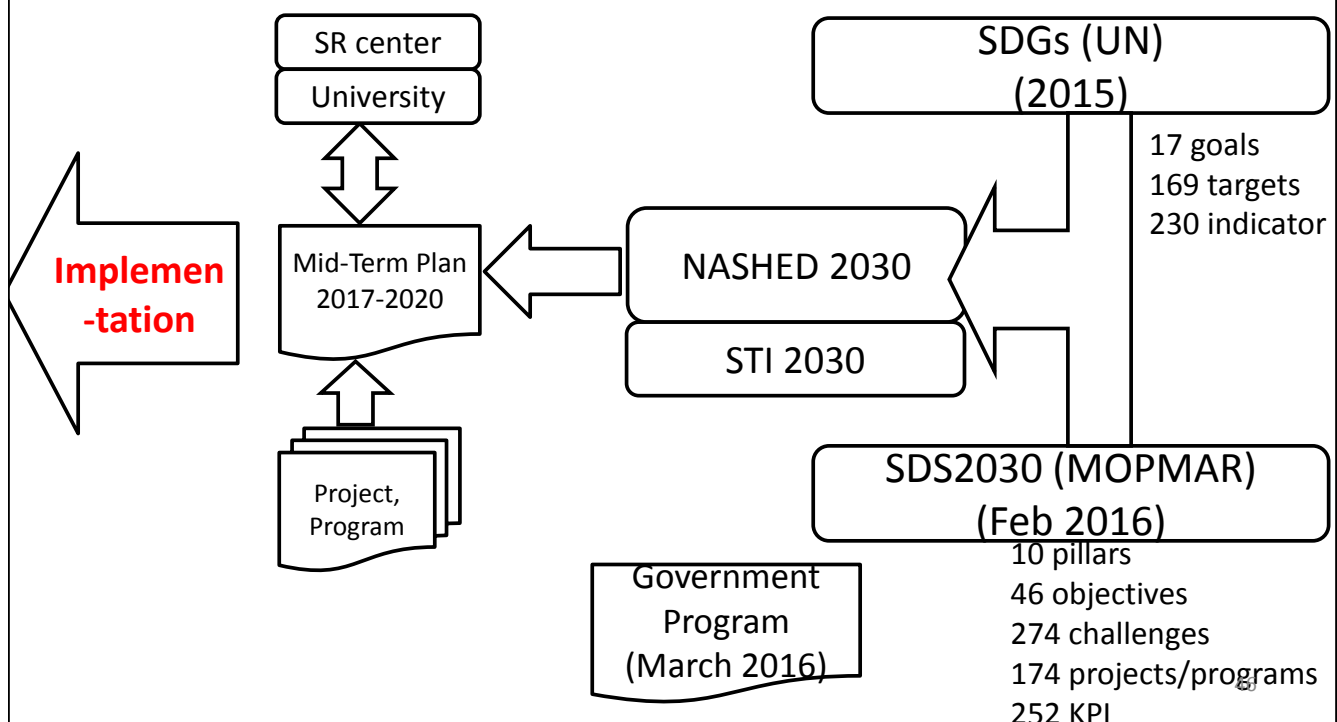
2-2. Analysis and editing for Education MTP

2-3. Basic framework of MTP

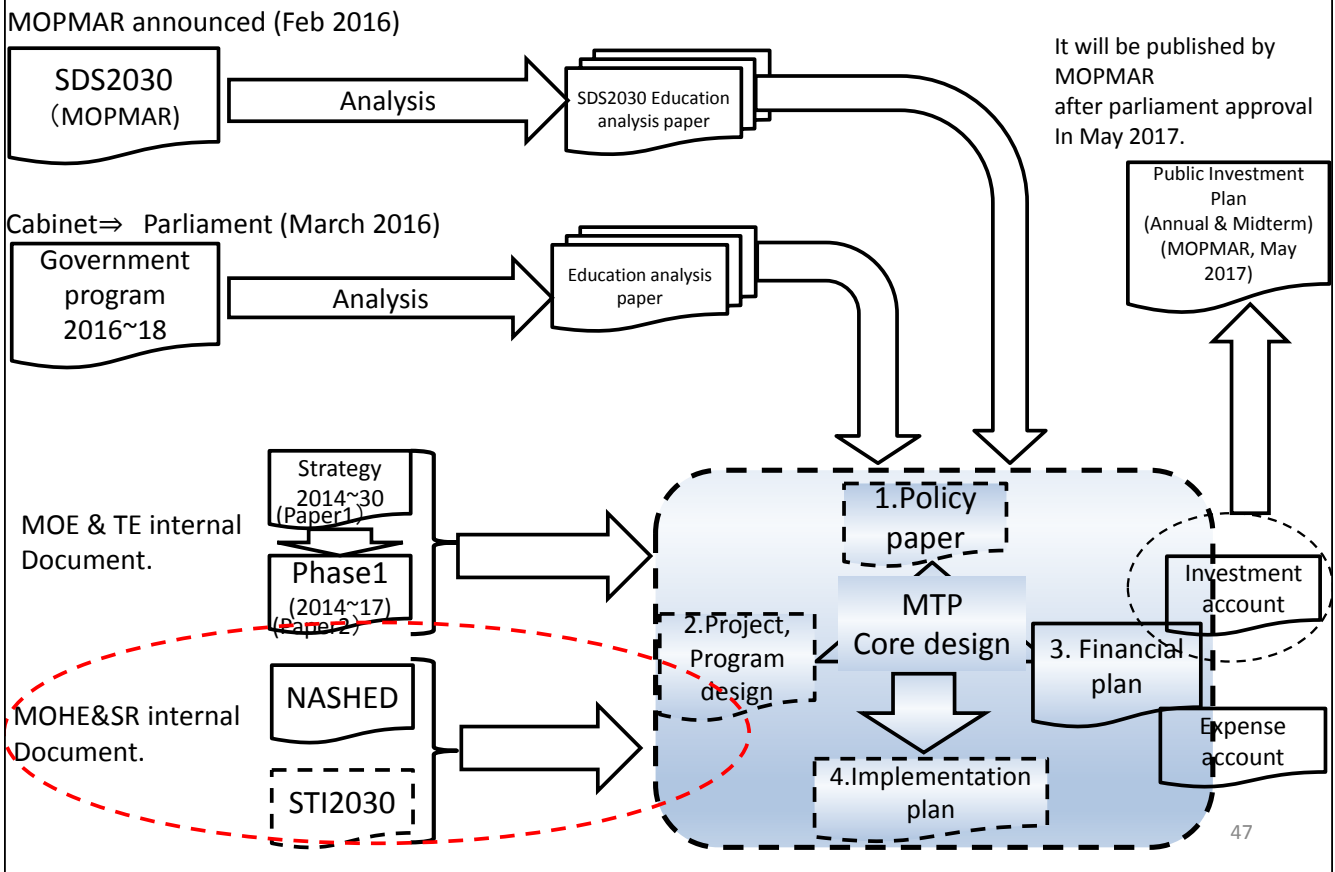
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2-1. Mid Term Plan

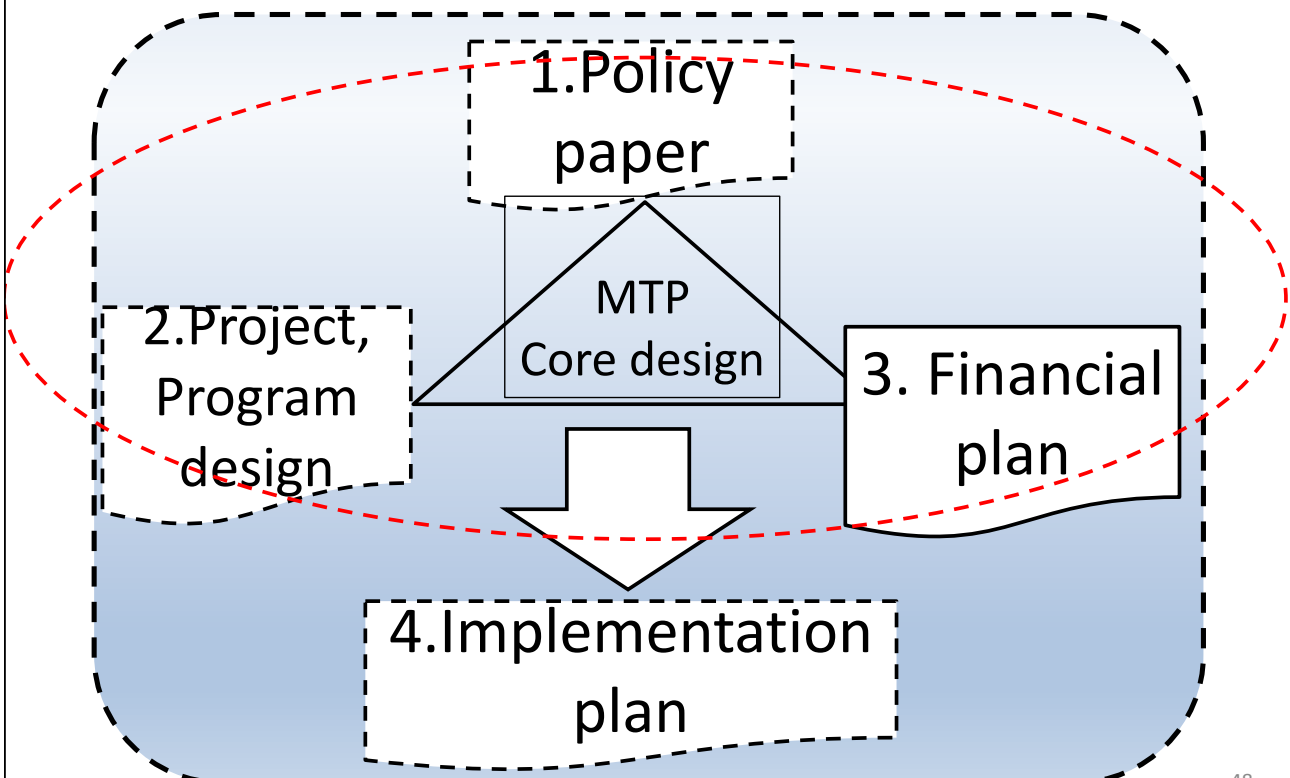
Planning process in MOHE&SR



2-2. Analysis and editing approach for Education MTP



2-3. Basic framework of MTP



3. How to make “Plan” (Analysis and modeling approach)

3-1. Goal of Education

3-2. Purpose and Measure

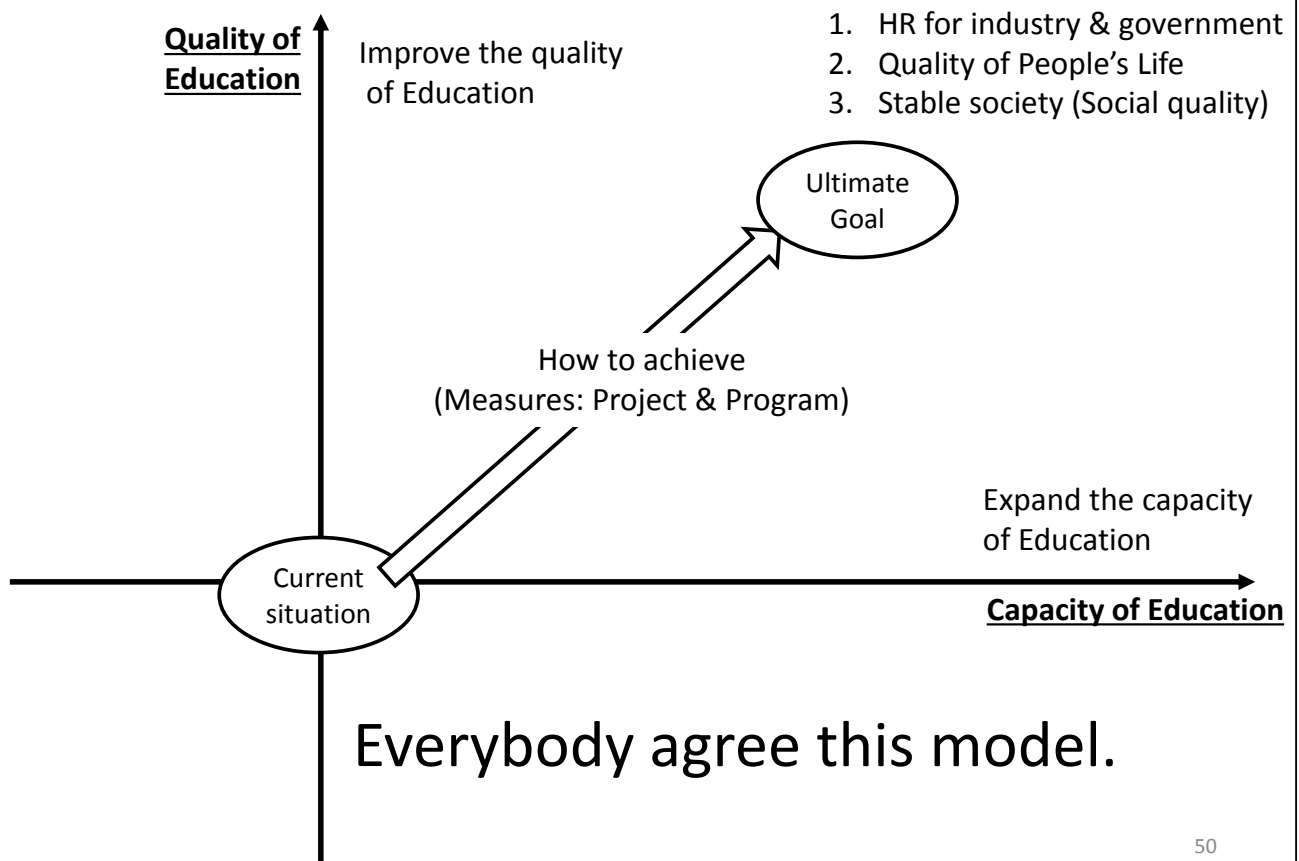
3-3. Simplified Planning model.

3-4. Planning system model

3-5. Analysis flow for Plan paper

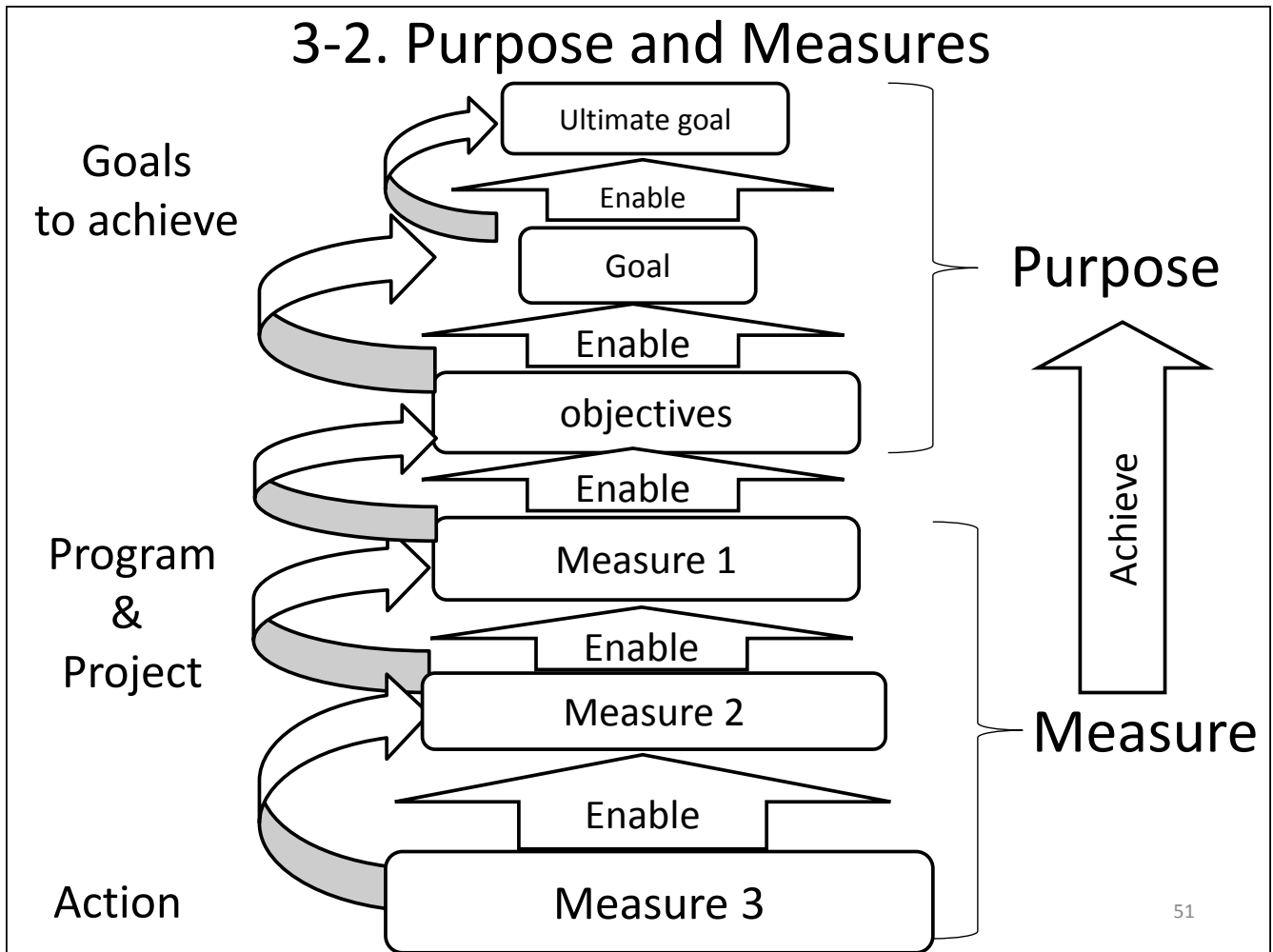
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3-1. Goal of Education



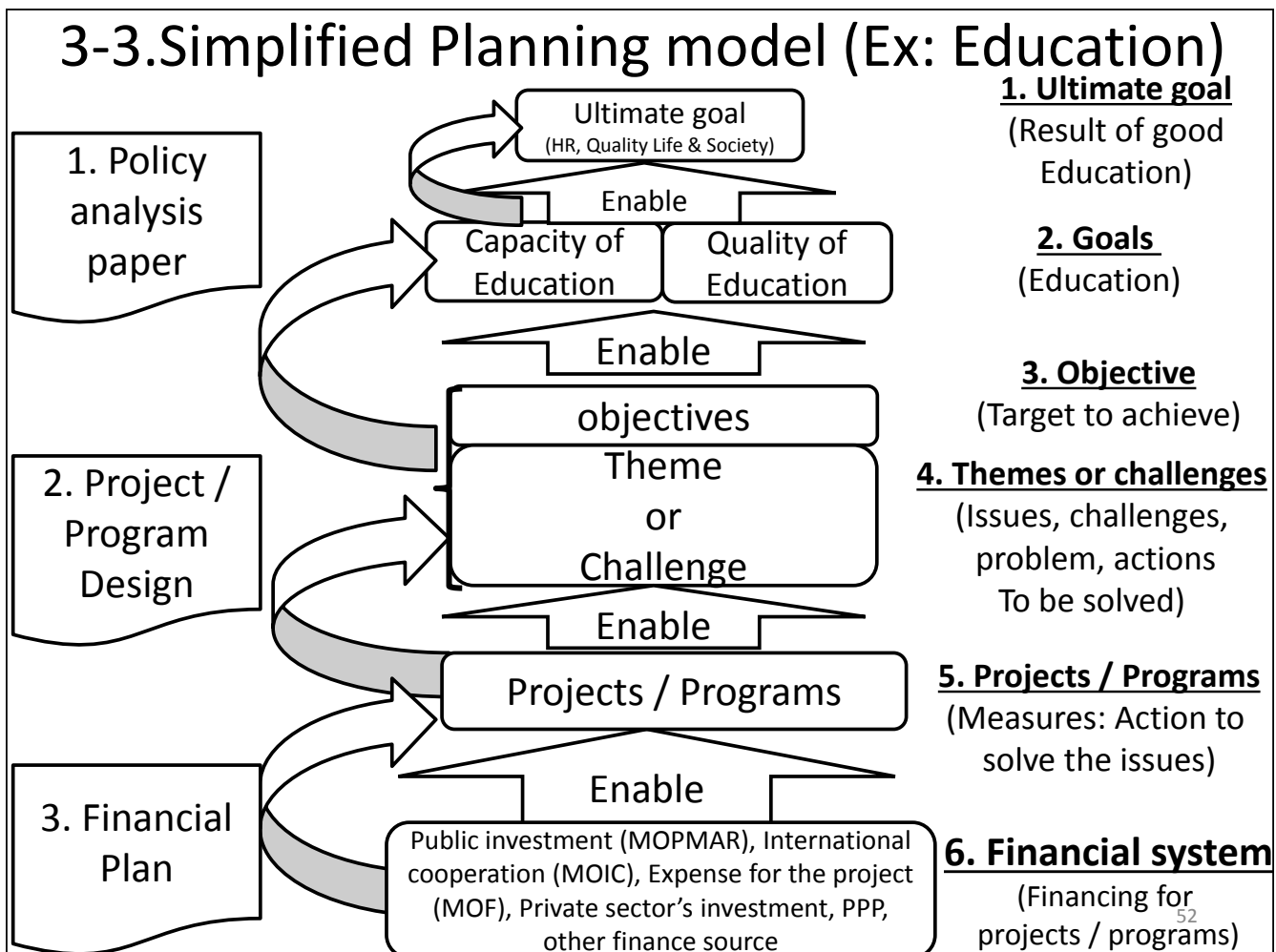
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3-2. Purpose and Measures



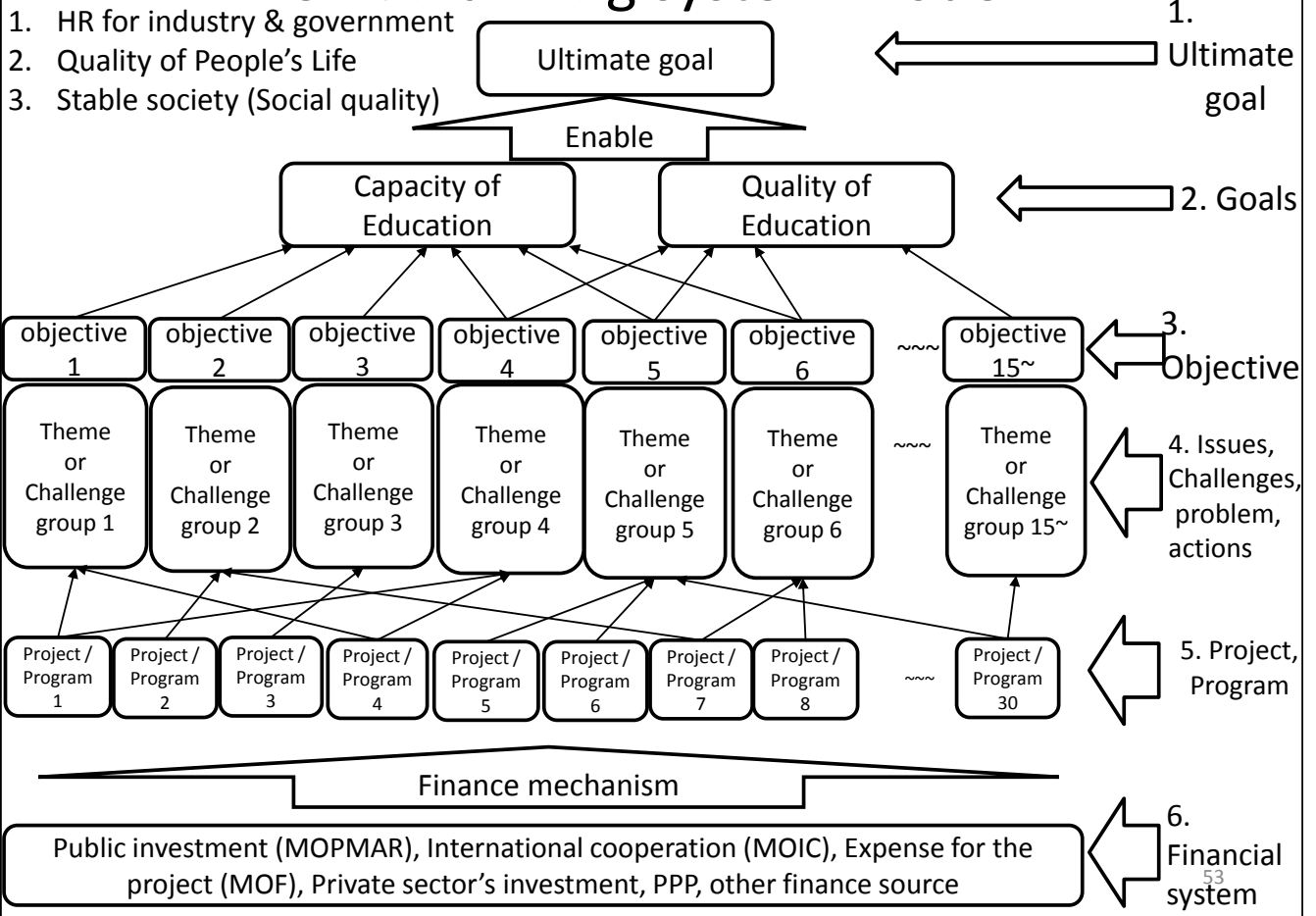
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3-3. Simplified Planning model (Ex: Education)

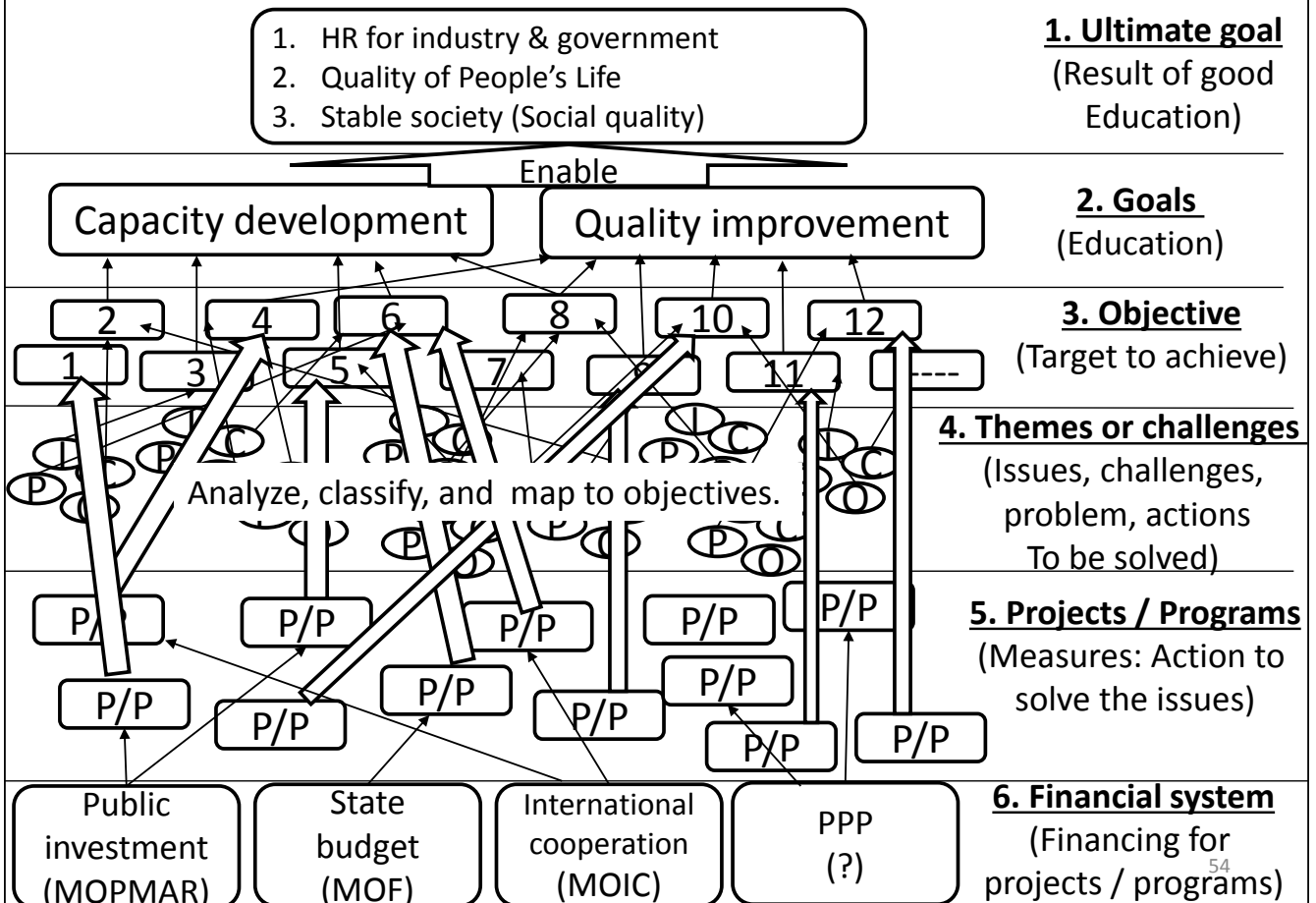


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3-4. Planning system model



3-5. Analysis flow for Plan paper



4. Next step: Findings and enhancement

4-1. Gap analysis between purpose and measure

4-2. Recommended enhancement process

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4-1. Gap analysis between purpose and measure

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5. Attachment **(Basic framework)**

MTP (Table of contents);

1. Policy paper
2. Project / Program Design

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Attachment1. MTP (Table of contents)

1.Policy paper: Basic policy and planning

1-1. Current situation and themes

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1-1-2. Themes (Categorized issues to be solved)

1-2. Necessary policies to solve the themes

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1-2-1. Education policy model

1-2-2. Table of theme

1-3. Goal setting

We must show expected achievement (Effects) in 3 years later.

1-3-1. Social contribution

1-3-2. Economic contribution

1-4. Total picture of education system and model to be achieved.

1-4-1. Education stakeholder analysis

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Attachment 2. Project / Program design paper

2-1. Project / Program design

All Project / Program must link with the goals, and then need to consider as follows.

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2-1-2. Necessary cooperation with other ministry

2-1-3. Necessary partnership with private sector: PPP, NGO

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2-1-5. Necessary collaboration schema with donor

2-2. Financial requirements & Planning:

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2-3-3. Collaboration with industry

2-3-4. Management system redesign in school, public institute

2-3-5. Legislation and proper process to execute the law

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Paper 4

MTP execution process (1st draft)

JICA-MOPMAR team
Ministry of Education & Technical Education (MOE&TE)
Ministry of Higher Education & Scientific Research (MOHE&SR)

May 2017

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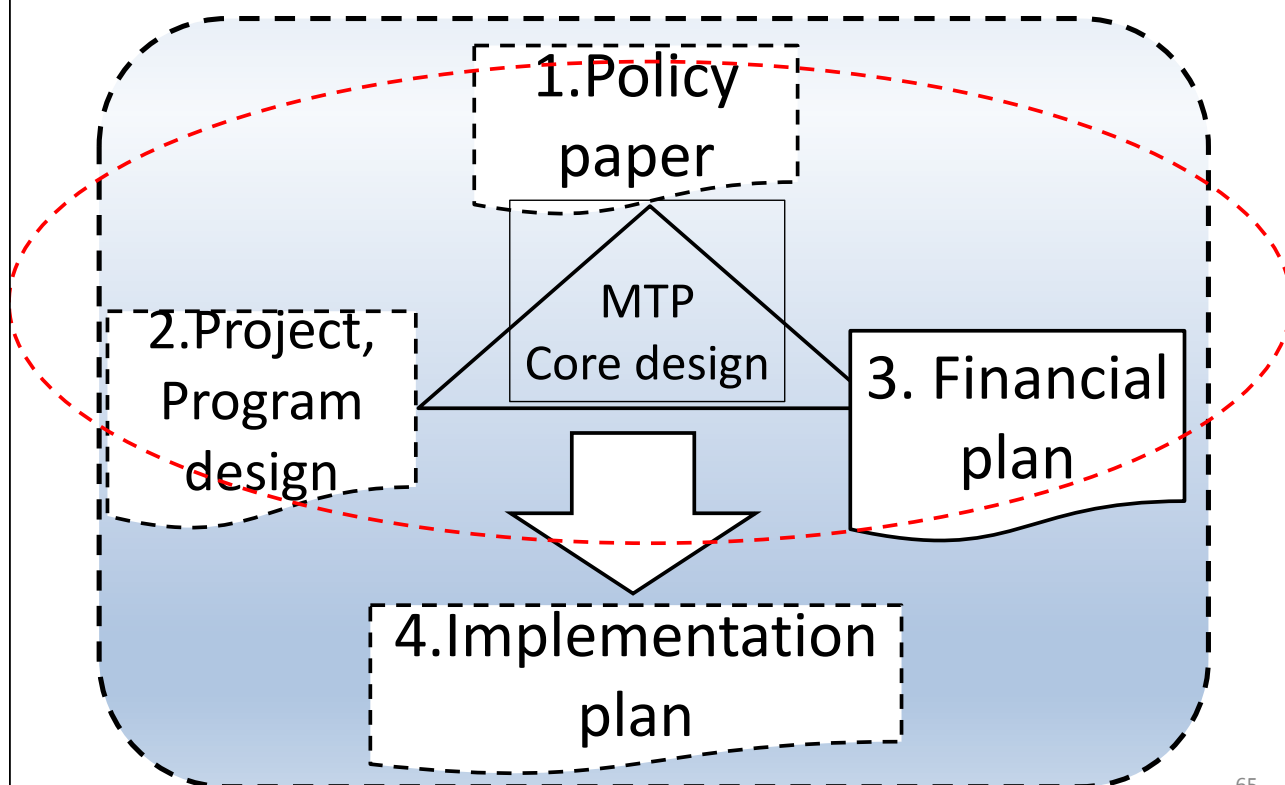
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Paper 4: Table of contents

1. Basic framework of MTP
2. Check your Education MTP (Self assessment)
3. Integrated objective design
4. Project / Program list & assessment
5. Mapping between Measures and Purpose
6. Revising Policy paper
7. Monitoring & recovery

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1. Basic framework of MTP



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2. Check your Education MTP (Self assessment)

		Basic Education	Vocational Education	Higher Education	
1	Policy Paper	?	?	?	
2	Projects / Program design	?	?	?	
3	Financial Plan	Public investment (MOPMAR)	YES	YES	YES
4		Expense Budget (MOF)	YES	YES	YES
5	Implementation plan	Not yet	Not yet	Not yet	

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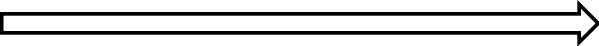
3. Integrated objective design

	Objectives	Basic Education	Vocational Education	Higher Education	Common definition
1	School infrastructure	Building, facility, Teaching environment			
2	Student support	Equality, variety,,,,			
3	System "Faculty of Education"				
4	Teacher quality improvement				
5	Teaching tools and methods				
6	Examination system				
7	School management				
8	Central administration system				
9	Local education system				
10	Link with social needs				
11	School collaboration system				
12	Utilizing available education resource				
13	Finance system				
14	Feedback system between central government and school				
15	Education industry				67

4. Project / Program list & assessment

	Project/ Program Name	General assessment	10 principles of Project check										
			1	2	3	4	5	6	7	8	9	10	
1													
2													
3													
4													
5													
6													
7													
8													
9													
'''													68

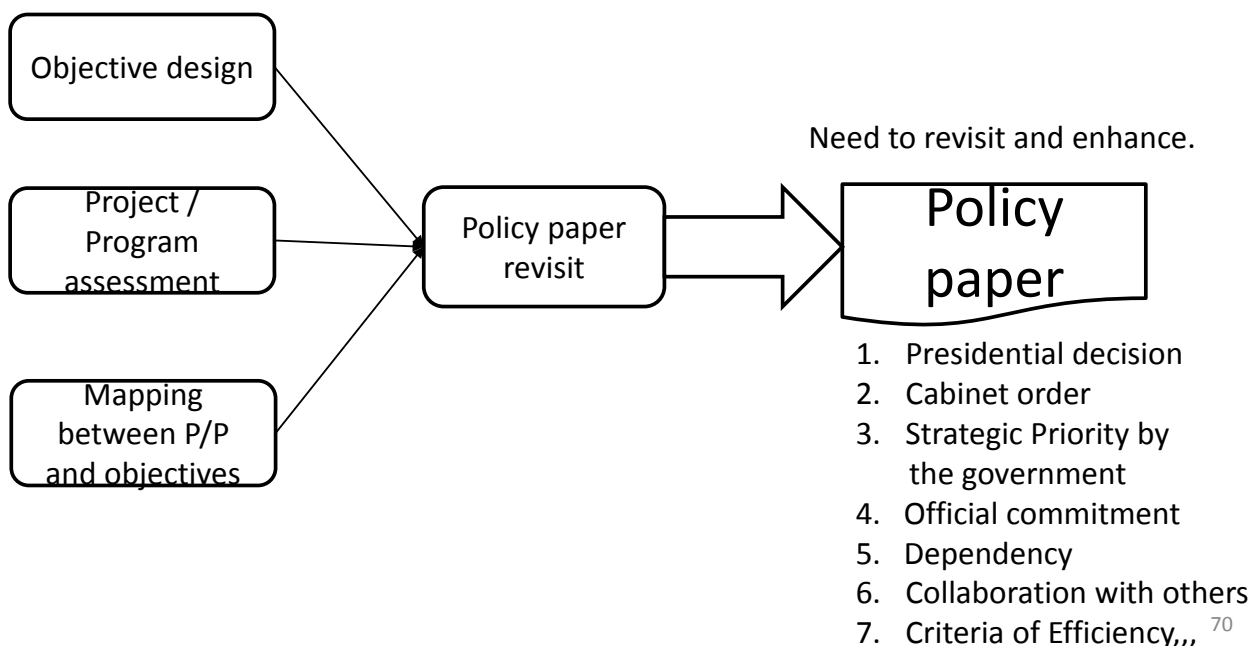
5. Mapping between Measures and Purpose

Measures  Purpose

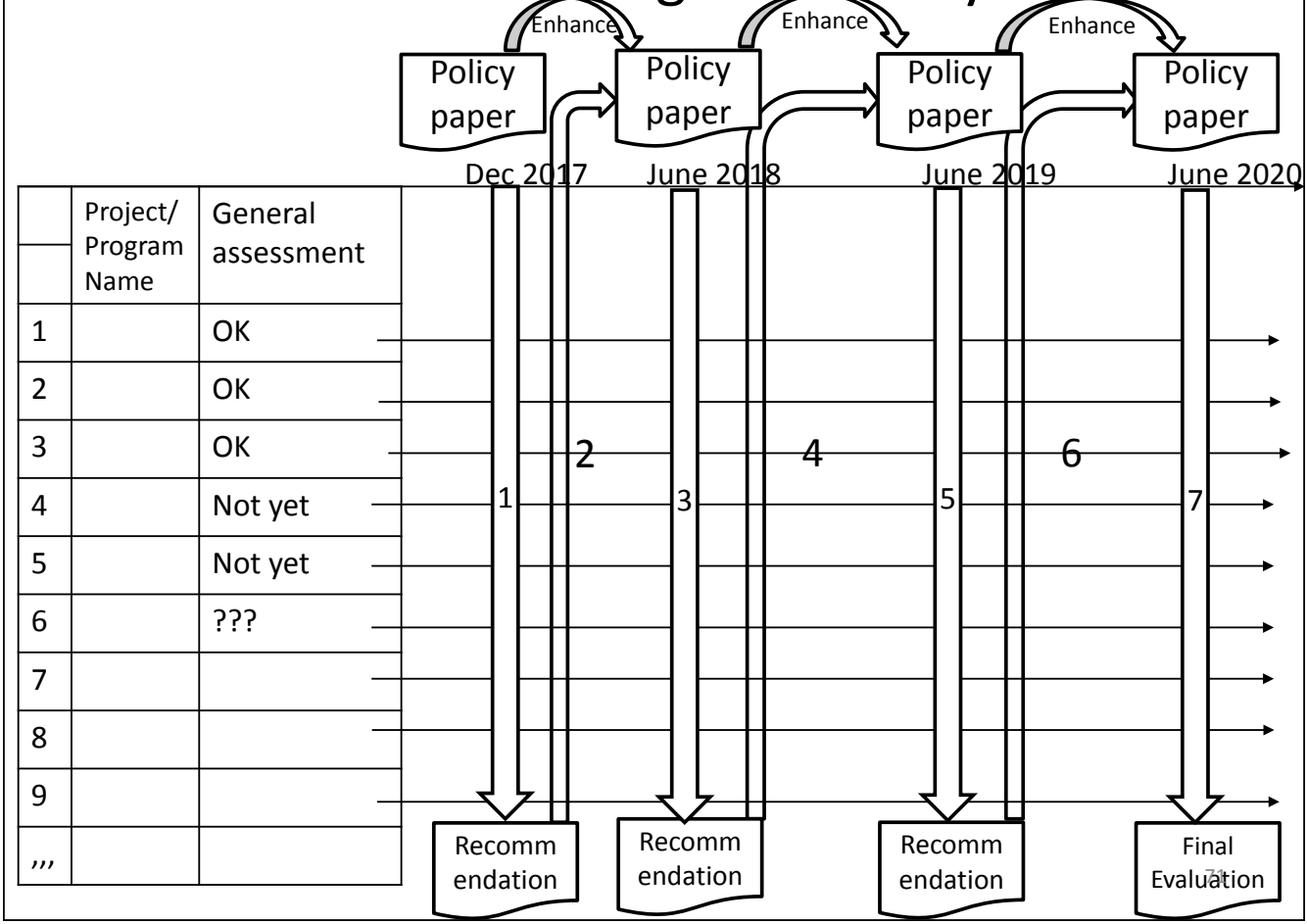
	Project/ Program Name	General assessment		Objectives	
				1	School infrastructure
				2	Student support
				3	System "Faculty of Education"
				4	Teacher quality improvement
				5	Teaching tools and methods
				6	Examination system
				7	School management
				8	Central administration system
				9	Local education system
				10	Link with social needs
				11	School collaboration system
				12	Utilizing available education resource
				13	Finance system
				14	Feedback system between central government and school
				15	Education industry 69
1		OK			
2		OK			
3		OK			
4		Not yet			
5		Not yet			
6		???			
7					
8					
9					
'''					

6. Revising Policy paper

Based upon the exercise, we can revisit Policy paper.
It will be utilized for Monitoring & Recovery for MTP.



7. Monitoring & recovery



End of Paper 4

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 Ministry of Education & Technical Education (MOE&TE)
 Ministry of Higher Education & Scientific Research (MOHE&SR)

May 2017

End of English Session

نهاية الجلسة باللغة العربية