


**Action Plan - Environmental Sustainability
Improvement of Malang City - Utilizing City
Prosperity Index**

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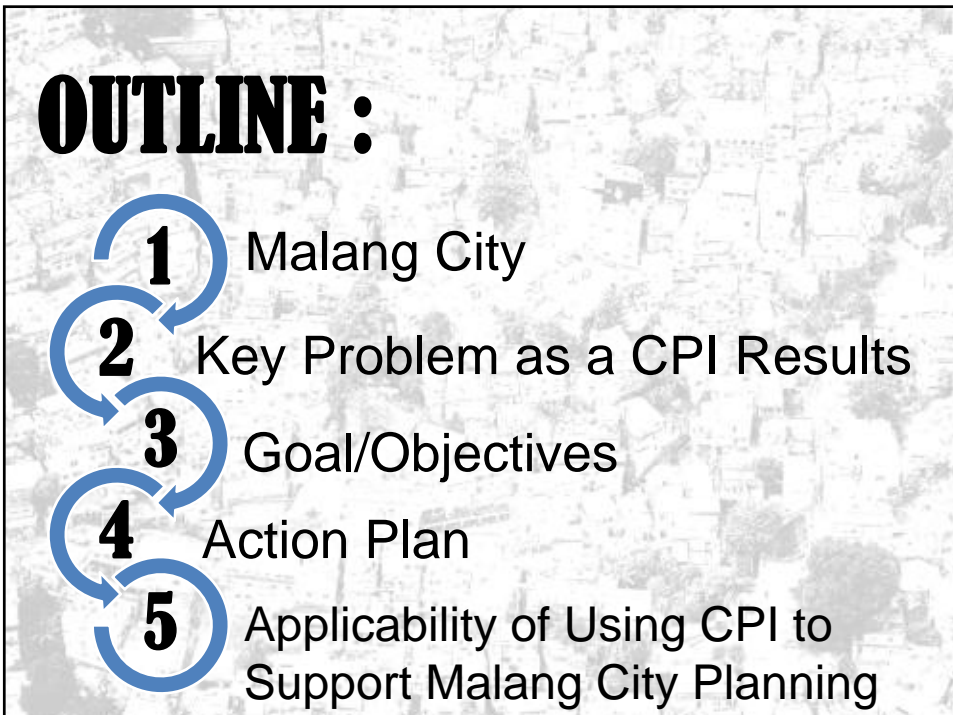
Event :
Action Planning for Cities Oriented by the SDGs 11 and Supported by The City
Prosperity Index
GANGWON, 2nd JUNI 2017



강원도
GANGWON PROVINCE

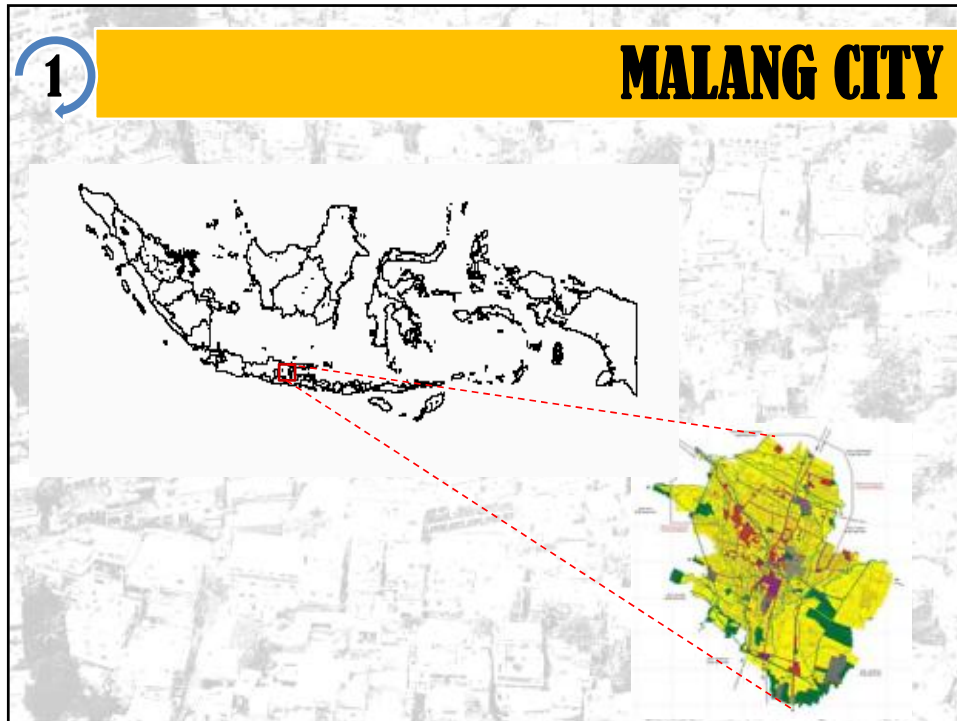
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OUTLINE :

- 1** Malang City
- 2** Key Problem as a CPI Results
- 3** Goal/Objectives
- 4** Action Plan
- 5** Applicability of Using CPI to Support Malang City Planning




1 **MALANG CITY**

- Malang municipality is second biggest city in East Java Province, named after Surabaya City.
- According to the astronomical location, Malang City lies between 112.06° – 112.07° East Longitude, 7.06° – 8.02° South Latitude
- Total area : 110.06 km²
- Population : 851. 298 person
- Since 2000s, Malang City is categorized as metropolitan city by the population characteristic
- Regional function of Malang City is center of development for:
 - tourism services
 - international education (3 state universities, 5 private big universities), and
 - local economic creative.
- City income perkapita Rp. 60,881 milion

Source: East Java Provincial Spatial Plan 2011-2031

1 **MALANG CITY (Continued)**

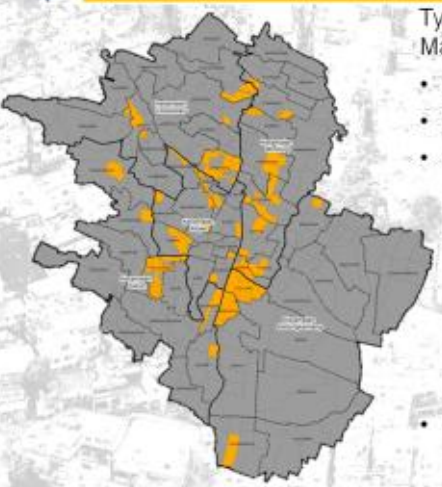


Land use of Malang City, 2015

Fact of the development by the municipal spatial plan:

1. Boost of economy development (escalates local GDP)
2. Trend of population boost since 2000 (immigrants, temporary residents)
3. Public infrastructure insufficiency
4. Large land conversion for development (→ lack of open green areas)
5. Traffic congestion (ill managed transport)
6. Unfinished problems of high density settlements (tends to be slums area)


1 **MALANG CITY (Continued)**

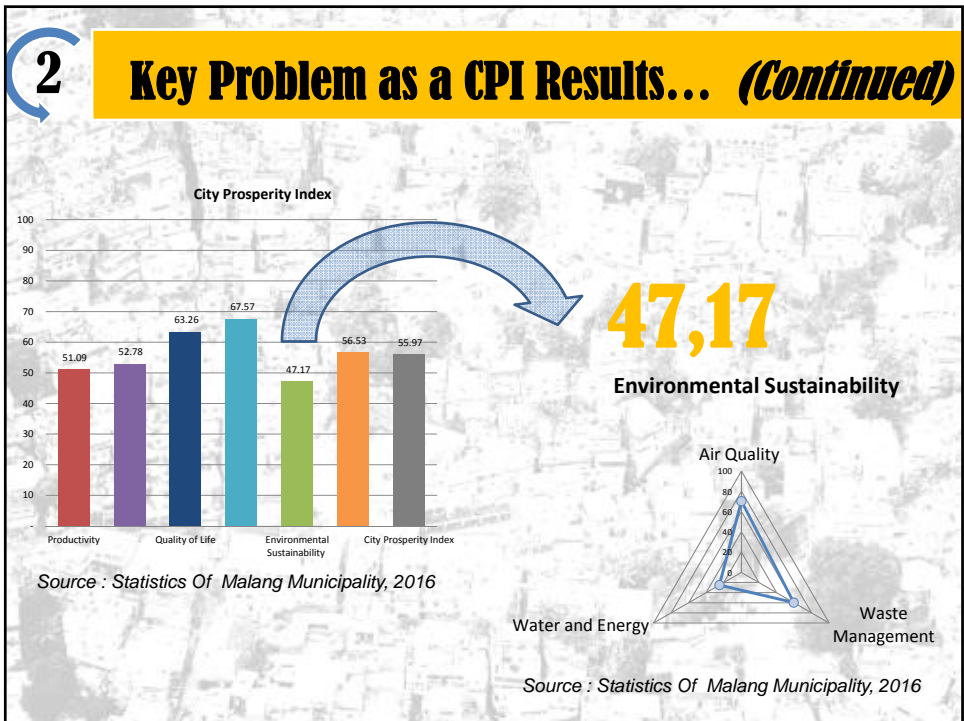
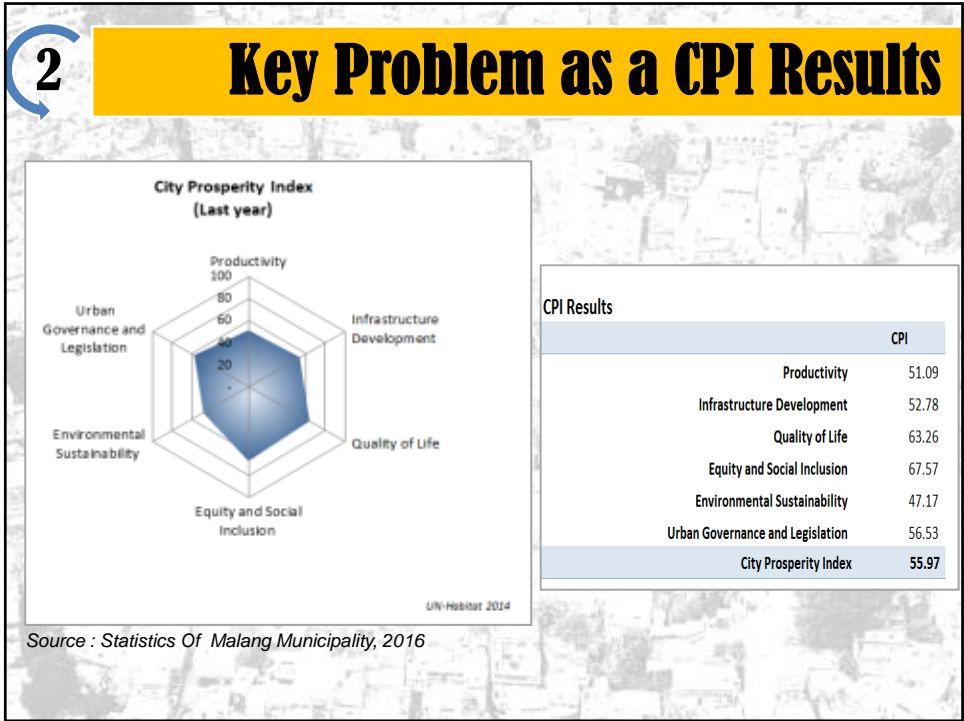


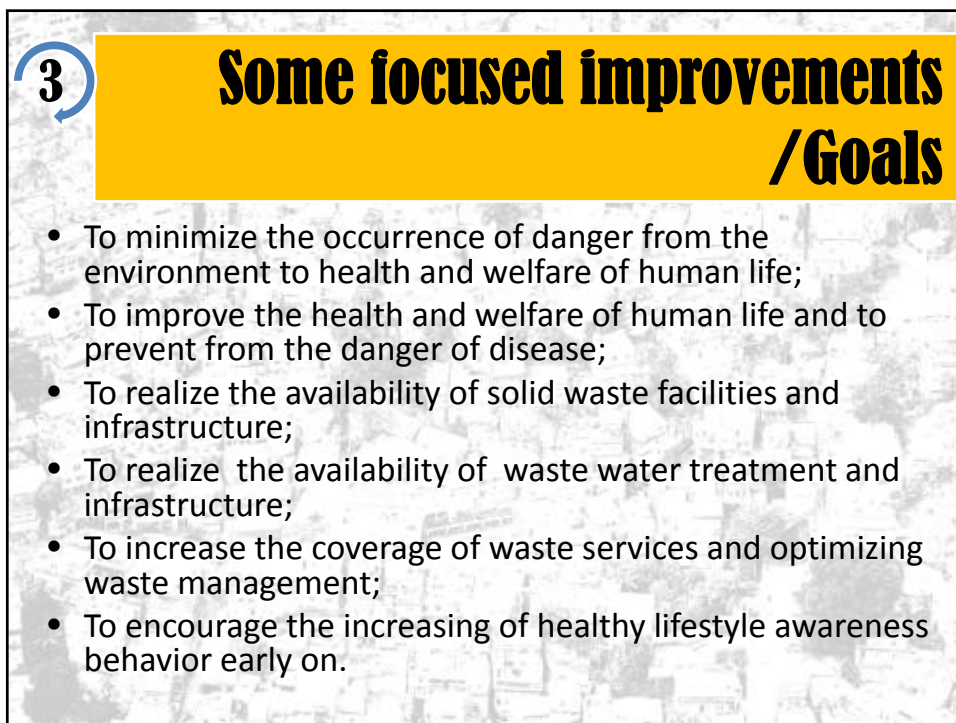
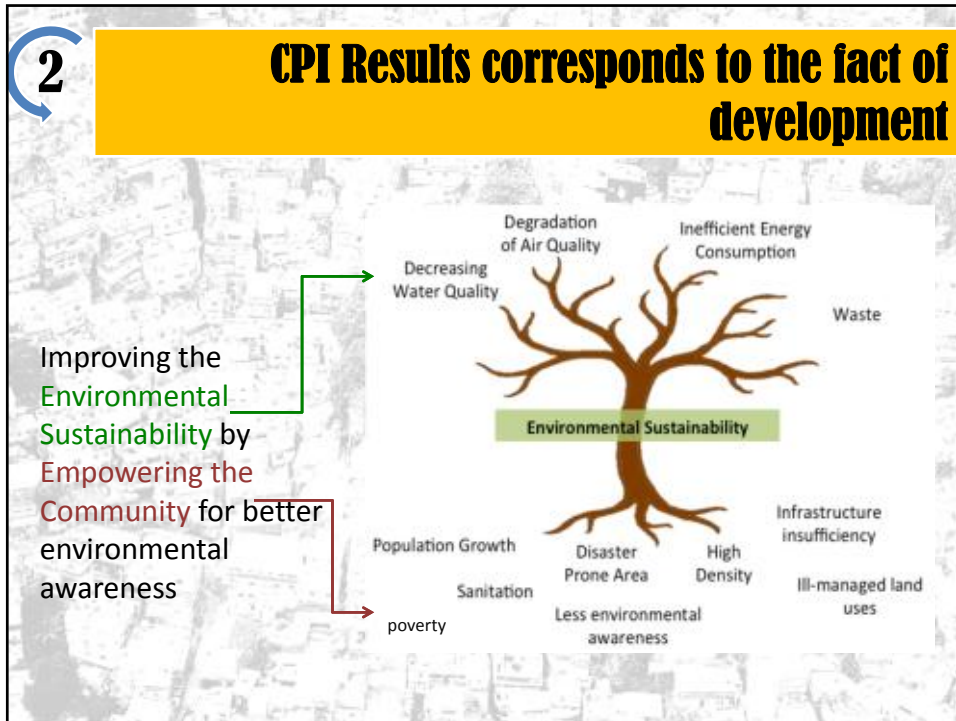
Spread urban high density area of Malang, 2016

Type of urban high density settlements of Malang:

- Density (in average): 562 person/ha
- Located in urban development areas
- Less of Basic urban services
 - Roads
 - Footpaths
 - Water
 - Drainage
 - Sanitation
 - Education Facilities
- Disaster Prone Areas (land slides, fire)







4 Action Plan

Title : Improving the Environmental Sustainability of Malang City
Overall goal : To reduce environmental degradation and the impact for citizens and productivity

Activity	Description	Timeline	Responsible by	Resources	Level			Form			Urgent		
					National	Province	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Specific Obj. 1	Water and Energy		Municipal Department of General Work										
Activity 1	Community education for energy saving and alternatives	2017 - 2027	Mun. Planning Board, Mun. General Work Department, Mun. Environmental Board, Community, Universities & NGO	Mun. Government			✓	✓	✓	✓	✓		
Activity 2	Mapping dan defining water (Drainage and Fresh Water) problems by community	2017 - 2022		Mun. Government + CSR			✓	✓	✓	✓		✓	
Activity 3	Drainage system normalization	2017 - 2022		Central & Mun. Gov.	✓	✓	✓	✓	✓	✓	✓		
Activity 4	Instalation fresh water distribution infrastructure	2017 - 2022		Central & Mun. Gov.			✓	✓	✓	✓	✓		
Activity 5	Mapping potential open green areas expansion(related to building intencity)	2017 - 2022		Mun. Government + CSR	✓	✓	✓	✓	✓	✓	✓		
Activity 6	Low-income housing improvement	2017 - 2027		Mun. Government + CSR		✓	✓	✓	✓	✓	✓		
Activity 7	Community rules development for environmental management	2017 - 2022		Community + CSR			✓			✓		✓	

4 Action Plan... (Continued)

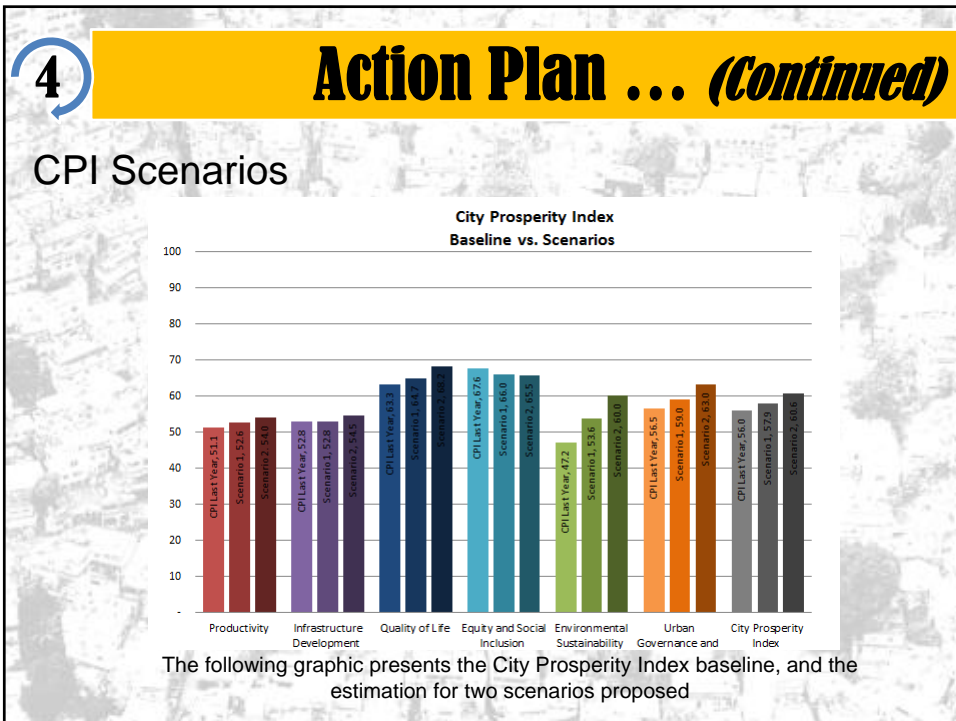
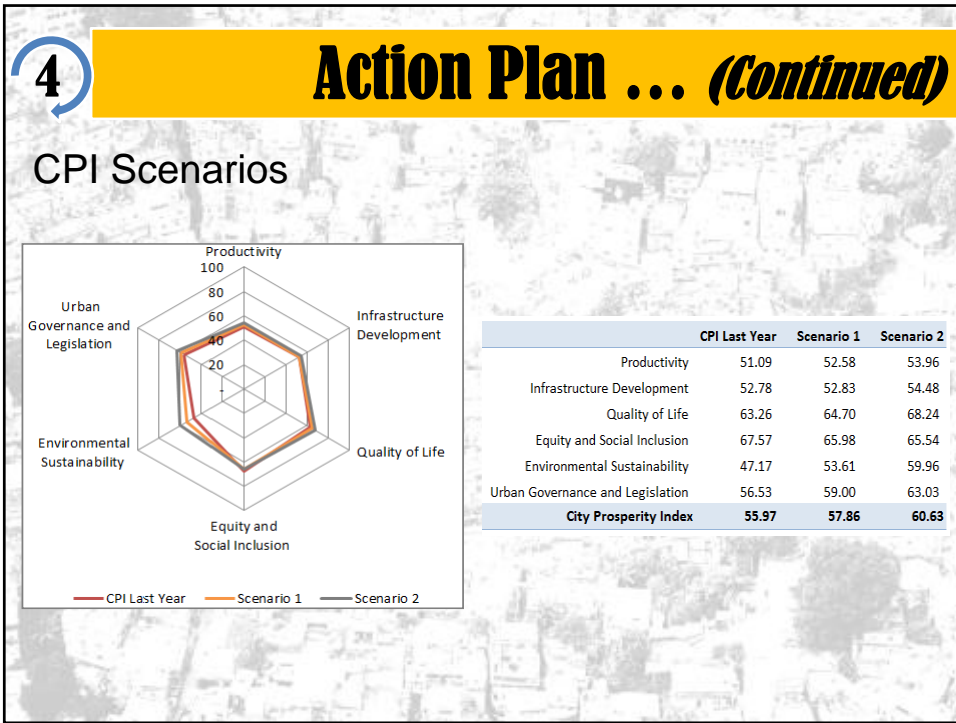
Activity	Description	Timeline	Responsible by	Resources	Level			Form			Urgent		
					National	Province	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Specific obj. 2	Waste management		Municipal Department of General Work										
Activity 1	Mapping and defining waste management problem by community work	2017 - 2022	Mun. Planning Board, Mun. General Work Department, Mun. Environmental Board, Mun. Board of Investment and Creative Local Economy, Community, Universities & NGO	Mun. Government			✓	✓	✓	✓	✓		
Activity 2	Developing the community solid waste management (separation-collecting-dumping)	2017 - 2022		Mun. Government+ Community			✓		✓	✓	✓		
Activity 3	Waste water treatment instalation	2017 - 2022		Mun. Government	✓	✓	✓	✓	✓	✓	✓		

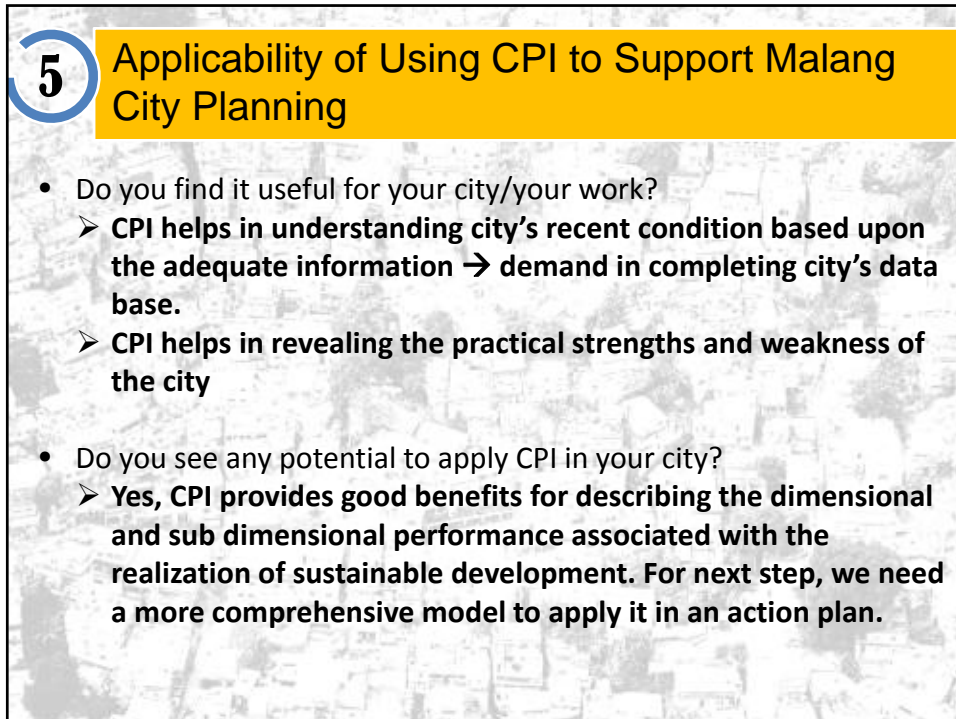
4 **Action Plan ... (Continued)**

Activity	Description	Timeline	Responsible by	Resources	Level			Form			Urgent		
					National	Province	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Specific obj. 2	Waste management		Municipal Department of General Work										
Activity 4	Developing local solid waste installation for recycling	2017 - 2022	Mun. Planning Board, Mun. General Work Department, Mun.	Central & Mun. Government		✓	✓	✓	✓	✓		✓	
Activity 5	Solid waste bank initiation and development	2017 - 2022	Mun. Planning Board, Mun. General Work Department, Mun.	Community + CSR			✓			✓		✓	
Activity 6	Community empowerment for green business on waste management	2017 - 2027	Environmental Board, Mun. Board of Investment and Creative	Mun. Government + CSR			✓		✓	✓	✓		
Activity 7	Improving capacity and quality of City's Dumping Area	2017 - 2027	Local Economy, Community, Universities & NGO	Mun. Government	✓	✓	✓	✓	✓	✓	✓		
Activity 8	Soft-loan for green business initiation and the development	2017 - 2027	Mun. Planning Board, Mun. General Work Department, Mun.	Mun. Government + CSR			✓	✓	✓	✓		✓	

4 **Action Plan ... (Continued)**

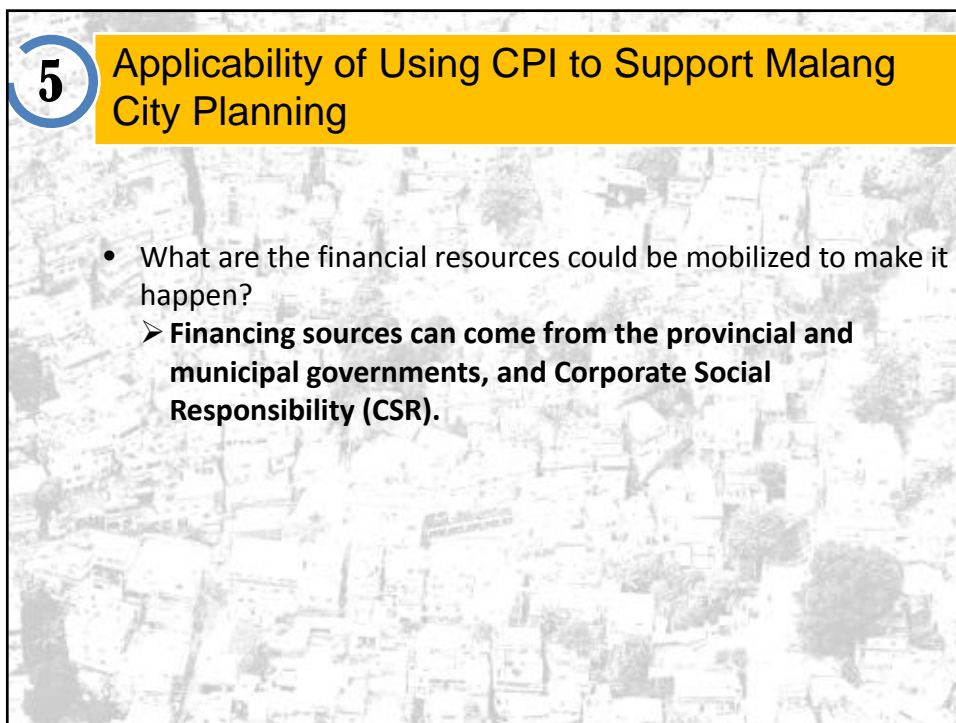
Activity	Description	Timeline	Responsible by	Resources	Level			Form			Urgent		
					National	Province	Municipal	Financial	System	Capacity Building	Strong	Less	Weak
Specific Obj 3	Air Quality		Municipal Department of General Work										
Activity 1	Community education for urban farming and greening	2017 - 2027	Mun. Planning Board, Mun. General Work Department, Mun.	Mun. Government + CSR			✓	✓	✓	✓	✓		
Activity 2	Infrastructure development for urban farming	2017 - 2027	Mun. Planning Board, Mun. General Work Department, Mun.	Community + CSR			✓			✓		✓	
Activity 3	Mapping potential open green areas expansion (related to building intensity evaluation)	2017 - 2027	Environmental Board, Mun. Board of Investment and Creative	Mun. Government			✓	✓	✓	✓	✓		
Activity 4	Public transport campaign	2017 - 2027	Local Economy, Community, Universities & NGO	Mun. Government + CSR	✓	✓	✓	✓	✓	✓	✓		
Activity 5	Pedestrian line improvement	2017 - 2022	Mun. Planning Board, Mun. General Work Department, Mun.	Mun. Government	✓	✓	✓	✓	✓		✓		
Activity 6	Developing city line infrastructure	2022 - 2027	Mun. Planning Board, Mun. General Work Department, Mun.	Central & Mun. Government	✓		✓	✓	✓				✓





5 Applicability of Using CPI to Support Malang City Planning

- Do you find it useful for your city/your work?
 - **CPI helps in understanding city's recent condition based upon the adequate information → demand in completing city's data base.**
 - **CPI helps in revealing the practical strengths and weakness of the city**
- Do you see any potential to apply CPI in your city?
 - **Yes, CPI provides good benefits for describing the dimensional and sub dimensional performance associated with the realization of sustainable development. For next step, we need a more comprehensive model to apply it in an action plan.**



5 Applicability of Using CPI to Support Malang City Planning

- What are the financial resources could be mobilized to make it happen?
 - **Financing sources can come from the provincial and municipal governments, and Corporate Social Responsibility (CSR).**

Best Practise

Kampung Jodipan – Kampung Warna

[Video 1](#)



- Located in Brantas Riverbanks
- Local tourism activities for environmental upgrading

Best Practise.....(Continued)

Kampung Glantung – Kampung Go Green



- Located in Purwantoro Sub-district, Blimbing district
- Conservation and education the community activity for upgrading settlement

[Video2](#)

