

An aerial photograph of Incheon Metropolitan City, South Korea, during the 'blue hour' of dusk. The city's skyline is dominated by numerous skyscrapers, many of which are illuminated with lights. In the foreground, a wide, multi-lane road with streetlights and greenery runs through the city. To the left, a large body of water is visible, featuring a prominent cable-stayed bridge. The sky is a mix of light blue and grey, with some clouds. A semi-transparent white box with a thin black border is overlaid on the upper portion of the image, containing the main title text.

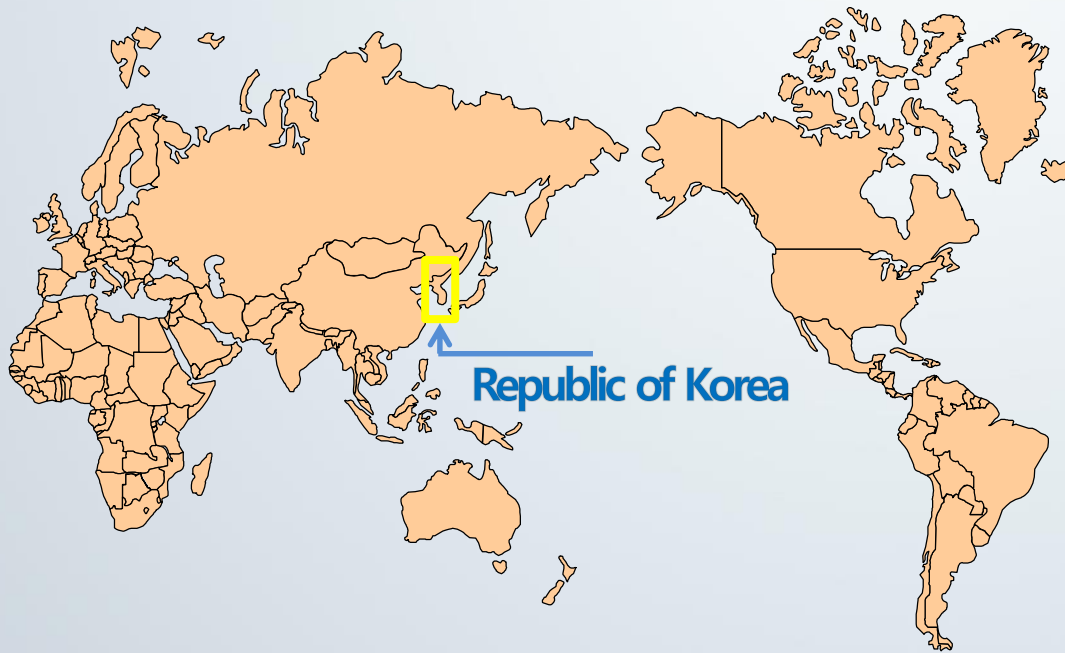
Incheon Metropolitan City Sustainable Development

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16. May. 2018

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- **Area : 1,063.1km²** - The largest Metropolitan City in Republic of Korea
- **Population : 3.01 million**
- **Incheon Airport : Hub of North-East Asia** - ASQ (Airport Service Quality) 1st place 12 consecutive years
- **City's Brand**

all ways **INCHEON**

➤ **Vision of Incheon**



Open Incheon port (1883)



Drastic industrialization (1960~2000)

**Destruction of Ecosystems,
Social Inequalities**

**Conservation of
Environment**

**Consideration of
Marginalized people**

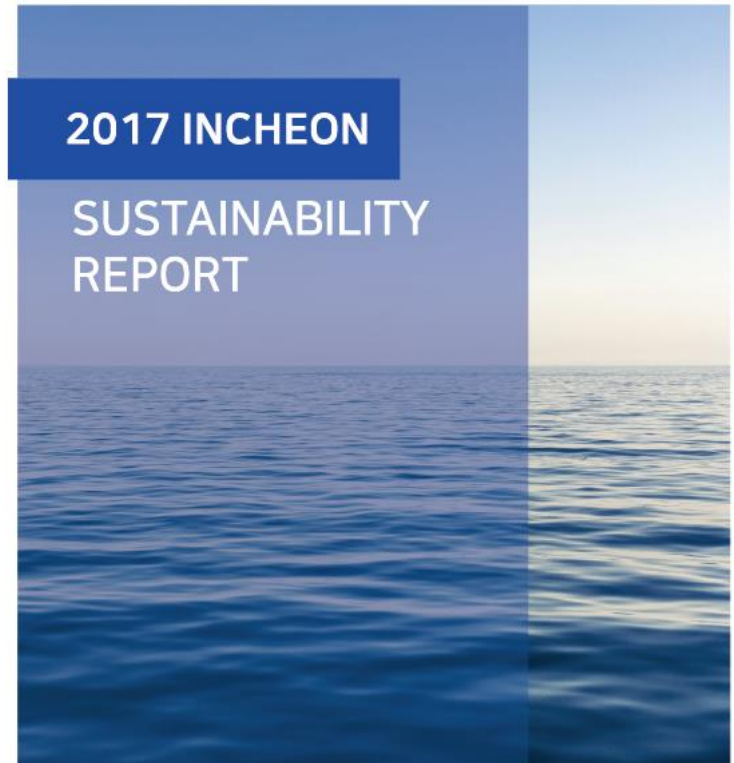
**Balance
Economic growth**

“Sustainable City, Incheon”



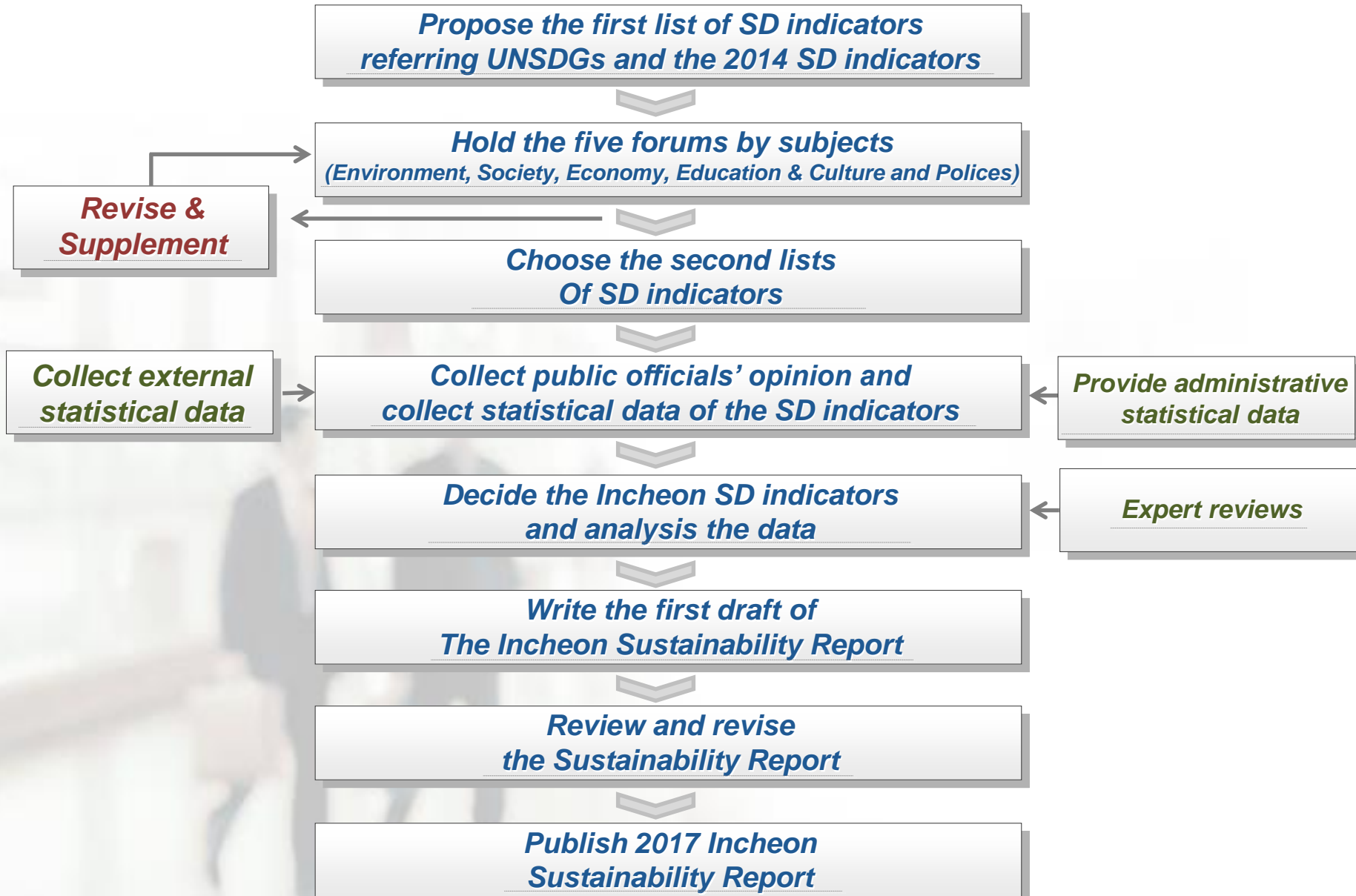
❖ Research summary

- Project : 2017 Incheon Sustainability Report
- Temporal range : 2011 ~ 2015
- Research period : May. 2017 ~ Feb. 2018
- Main contents
 - Road map of Incheon's Sustainable development
 - Environmental, Social, Economic, Institutional & Administrative 78 sustainable development indicator.





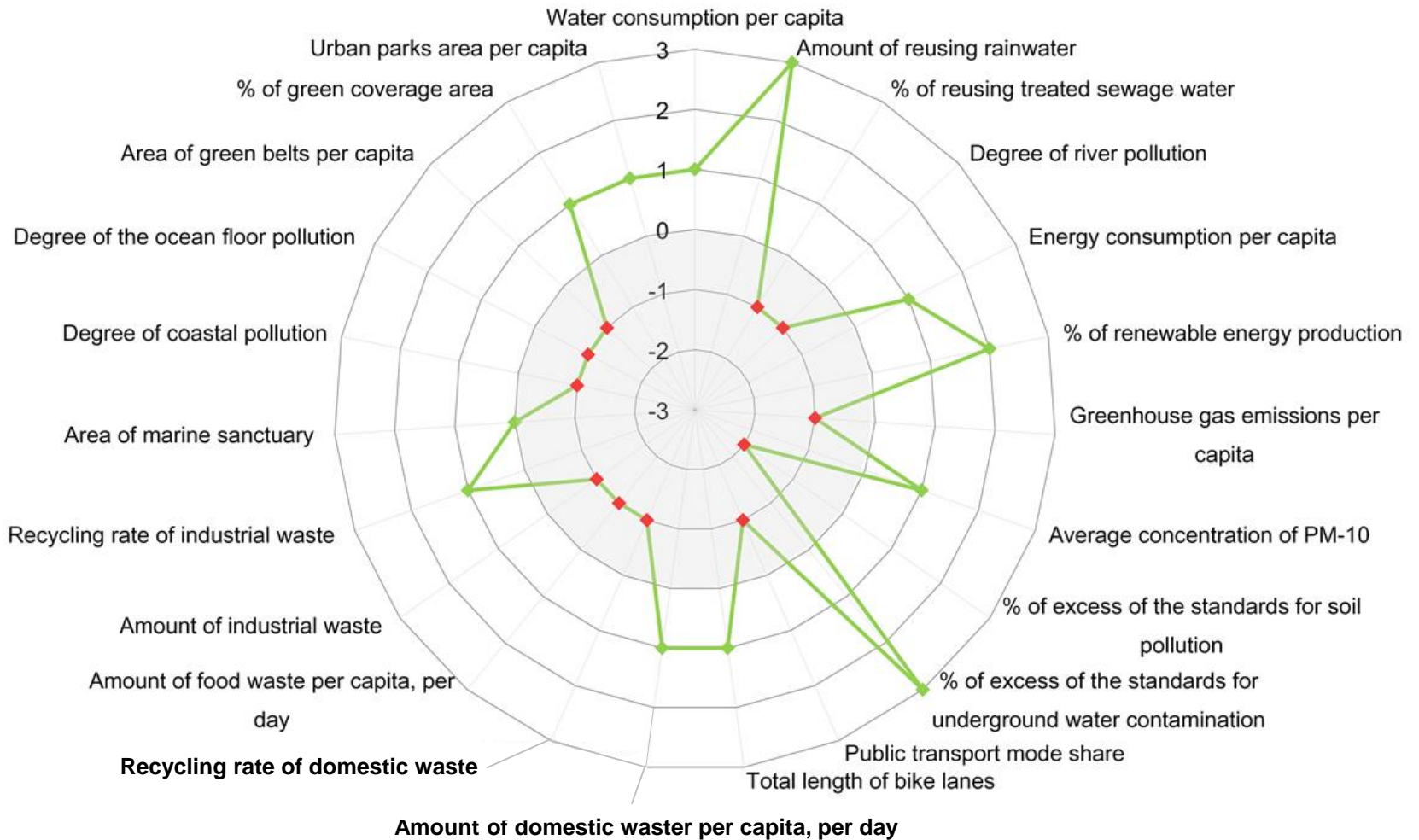
Establishing Sustainable Development indicators



Environmental Indicators (26)

1. Water consumption (L/capita·day)	↘	2. Amount of reusing rainwater (m^3)	↗
3. Percentage of reusing treated sewage water	↗	4. Percentage of river restoration	↗
5. Degree of river pollution (BOD) (ppm)	↘	6. Degree of river ecosystem	
7. Energy consumption per capita (TOE)	↘	8. Percentage of renewable energy supply in total supply	↗
9. Greenhouse gas emission per capita (CO_2eq)	↘	10. Average concentration of PM-10 ($\mu g/m^3$)	↘
11. Percentage of excess of the standard for soil pollution	↘	12. Percentage of excess of the standards for underground water contamination	↘
13. Public transport mode share	↗	14. Total length of bike lanes (km)	↗
15. Amount of domestics waste (kg/capita·day)	↘	16. Recycling rate of domestic waste	↗
17. Amount of food waste (kg/capita·day)	↘	18. Amount of industrial waste (ton/day)	↘
19. Recycling of industrial waste	↗	20. Area of marine sanctuary (km^2)	↗
21. Number of Black-faced spoonbills	↗	22. Degree of costal pollution (WQI)	↘
23. Degree of the ocean floor pollution (mg/kg)	↘	24. Area of green belts per capita (m^2)	↗
25. Percentage of green coverage area	↗	26. Urban parks area per capita (m^2)	↗

↗ : Upward is positive, ↘ : downward is positive



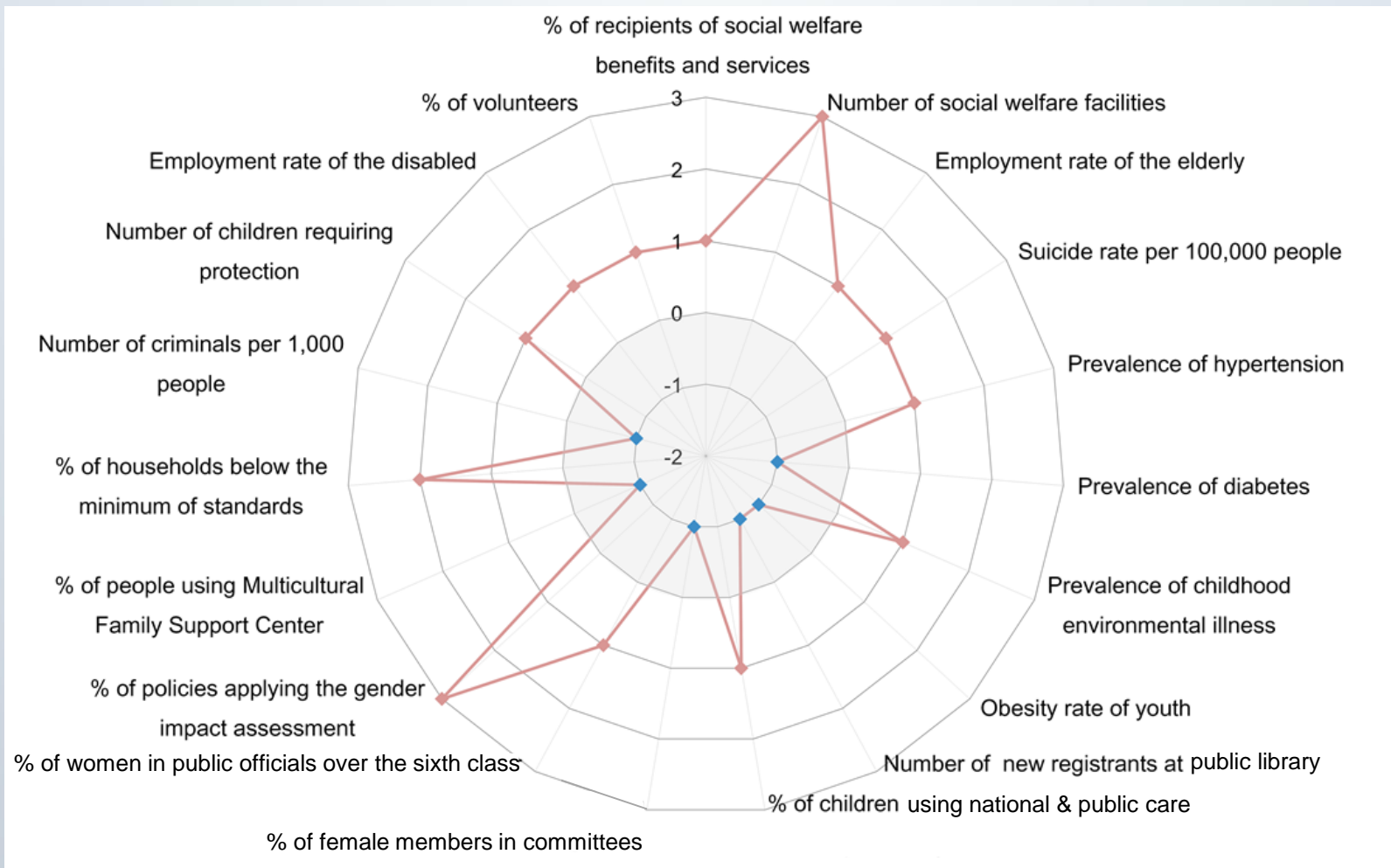
≥ 1	Positive (11)	$_0$	No change (1)	≤ -1	Negative (11)	Future Indicator (3)
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Evaluation of Environmental Indicators

Social Indicators (26)

1. <i>Percentage of recipients of social welfare benefits and services</i>	↗	2. <i>Number of social welfare facilities</i>	↗
3. <i>Percentage of the Basic Senior Pensioners</i>	↘	4. <i>Employment rate of the elderly</i>	↗
5. <i>Percentage of the environment friendly agricultural products used by the school lunch center</i>		6. <i>Suicide rate per 100,000 people</i>	↘
7. <i>Prevalence of lifestyle related disease</i>	↘	8. <i>Prevalence of childhood environmental illness</i>	↘
9. <i>Obesity rate of youth</i>	↘	10. <i>Number of public medical personal per 1,000 people</i>	↗
11. <i>Number of youth clubs in school</i>	↗	12. <i>Number of visitors and new registrants at public library</i>	↗
13. <i>Number of cultural & art events and percent of paid for audience</i>	↗	14. <i>Number of culture & art organization registered at Incheon City</i>	↗
15. <i>Percentage of participants in lifelong study</i>	↗	16. <i>Percentage of children using national & public daycare</i>	↗
17. <i>Number of counsels for female violent crime</i>	↘	18. <i>Percentage of female members in committees</i>	↗
19. <i>Percentage of seats held by women in public officials over the sixth class</i>	↗	20. <i>Percentage of policies applying the Gender Impact Assessment</i>	↗
21. <i>Percentage of people use Multicultural Family Support Center</i>	↗	22. <i>Percentage of households below the minimum of standards</i>	↘
23. <i>Number of criminals per 1,000 people</i>	↘	24. <i>Number of children requiring protection</i>	↘
25. <i>Employment rate of the disabled</i>	↗	26. <i>Percentage of volunteers</i>	↗

↗ : Upward is positive, ↘ : downward is positive



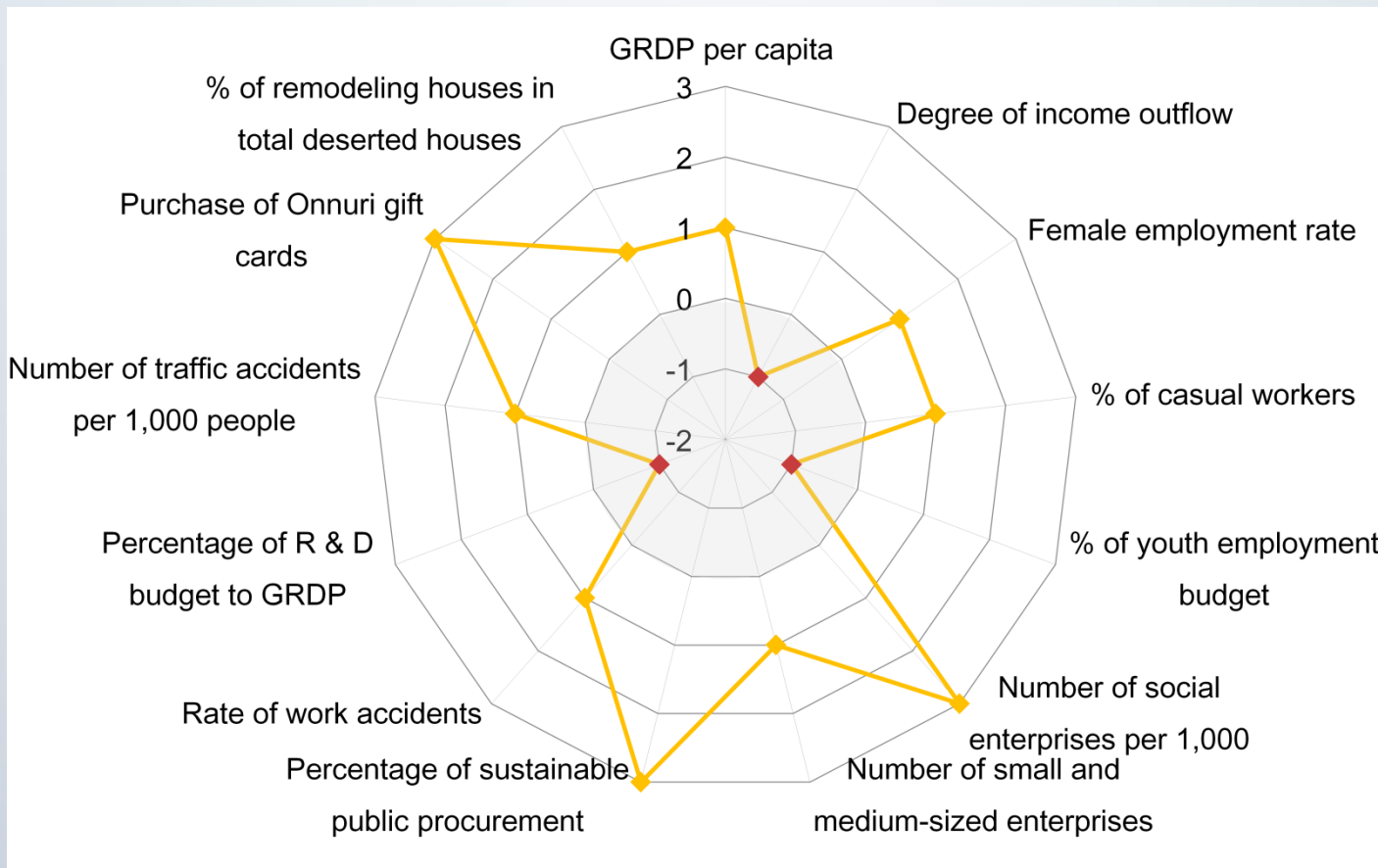
≥ 1	Positive (12)	$= 0$	No change (0)	≤ -1	Negative (5)	No data (6), Defer evaluation (3)
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Evaluation of Social Indicators

Economic Indicators (16)

1. GRDP per capita (million won)	↗	2. Degree of income outflow (%)	↗
3. Gini's coefficient		4. Unemployment rate and employment rate	↘↗
5. Female employment rate	↗	6. Percentage of casual workers	↘
7. Percentage of youth employment budget	↗	8. Number of social enterprise per 1,000 people	↗
9. Number of small and medium sized enterprise	↗	10. Percentage of sustainable public procurement	↗
11. Damage from disaster (cases)	↘	12. Rate of work accidents	↘
13. Number of traffic accidents per 1,000 people	↘	14. Percentage of R&D budget to GRDP	↗
15. Purchase of Onnuri gift cards	↗	16. Percentage of remodeling houses in total deserted house	↗

↗ : Upward is positive, ↘ : downward is positive



≥ 1	(10)	0	No change (0)	≤ -1	Negative (3)	Future Indicator (1), Defer evaluation (2)
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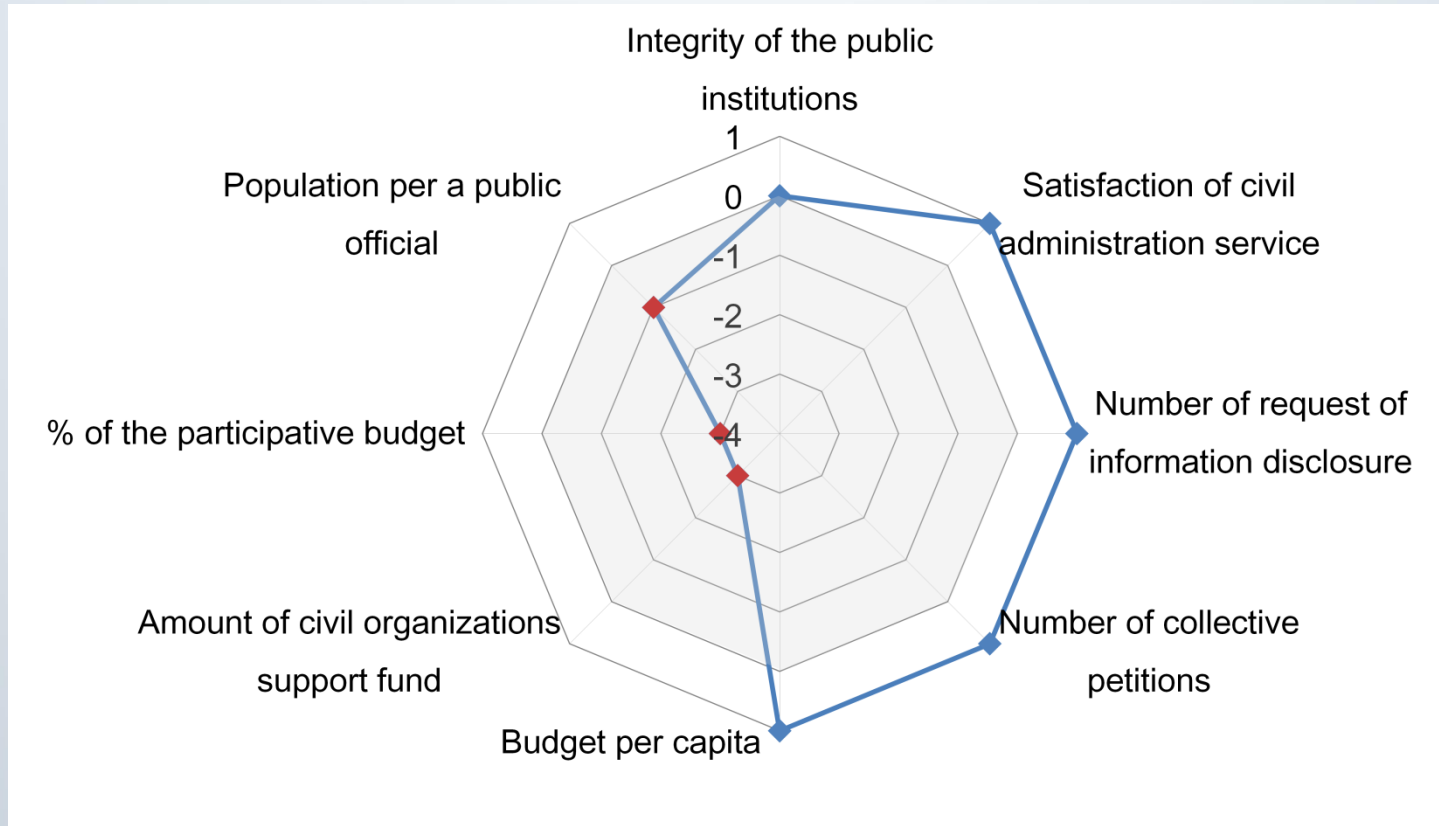
Evaluation of Economic Indicators

Institutional & Administrative Indicators (10)

<i>1. Integrity of the public institutions</i>	
<i>2. Satisfaction of civil administration service</i>	
<i>3. Percentage of the original disclosure</i>	
<i>4. Number of request of information disclosure and percentage of release</i>	
<i>5. Number of collective petitions</i>	
<i>6. Budget per capita (Million won)</i>	
<i>7. Amount of civil organization support fund</i>	
<i>8. Percentage of the participative budget</i>	
<i>9. Percentage of administrative operating expenditure</i>	
<i>10. Population per a public official</i>	

 : Upward is positive,  : downward is positive

Sustainable Development Indicators –Institutional & Administrative Dimension



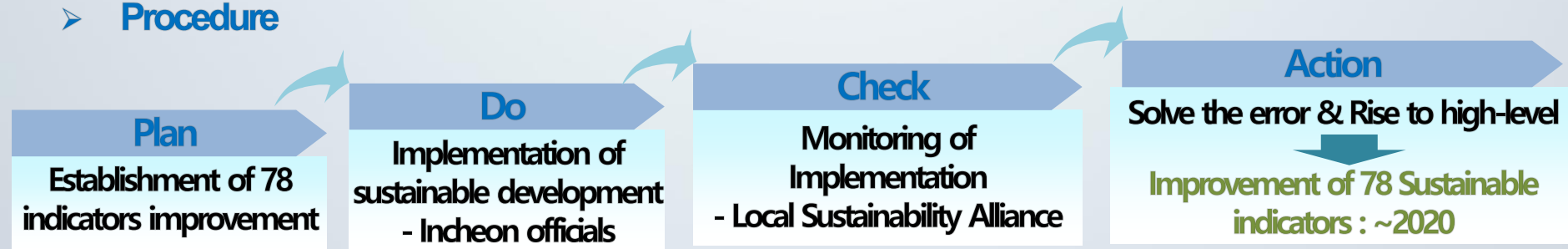
≥ 1	Positive (4)	0	No change (1)	≤ -1	Negative (3)	No data (1), Defer evaluation (1)
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Evaluation of Institutional & Administrative Indicators

Implementation of Sustainable Development

❖ Goal : “Sustainable City, Incheon”

- Base year : 2015, Goal year : 2020
- Improvement of 78 sustainable development indicators
- Procedure



- Briefing session of Sustainable Development Implementation (26. Apr. 2018)

“Sustainable City, Incheon”

A man in a dark suit and black umbrella stands on a wooden walkway with a metal railing, looking out over a futuristic city skyline reflected in water. The city features several prominent skyscrapers, including a tall, slender tower and a building with a unique, angular design. The sky is a mix of blue and white, suggesting a bright but slightly overcast day.

Thank you!

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