

Demonstrative Evaluation for Sustainable Development Goals (SDGs) Index (Plan) of Gyeonggi-do

17 Goals
to Create Sustainable Gyeonggi-do

What are Sustainable Development Goals (SDGs)?



17 UN Sustainable Development Goals (SDGs)

Sustainable development goals are essentially the goals that the mankind must achieve between 2016 to 2030.

Sustainable development goals are an international promise for **'Sustainable development of Earth'** and signify the 17 goals UN nations have agreed to as of September 2015 as they specify the concept of sustainable development, **'Let's fulfill our needs now as we also allow the future generations to use the resources and grow'**.

Sustainable development goals consist of 17 goals and 169 targets along with 231 indicators that can check whether the targets have been achieved or not.

Sustainable Development Goals

Sustainable development goals

5 Elements



People
Society

- 1 No poverty
- 2 Zero hunger
- 3 Good health and well-being
- 4 Quality education
- 5 Gender equality
- 6 Clean water and sanitation



Prosperity
Economic growth

- 8 Decent work and economic growth
- 9 Industry, innovation and infrastructure
- 10 Reduced inequalities
- 11 Sustainable cities and communities



Earth
Environment preservation

- 7 Affordable and clean energy
- 12 Responsible consumption and production
- 13 Climate action
- 14 Life below water
- 15 Life on land



Peace
Prerequisite and method

- 16 Peace, justice and strong institutions



Partnership
Prerequisite and method

- 17 Partnerships for the goals

People · Prosperity · Planet · Peace · Partnership :

Sustainable development goals (SDGs) consist of 5 elements above along with 3 axes of environment preservation, society advancement, and economic growth and prerequisites and methods to achieve these elements.

Agenda 21 and Sustainable Development Goals (SDGs)

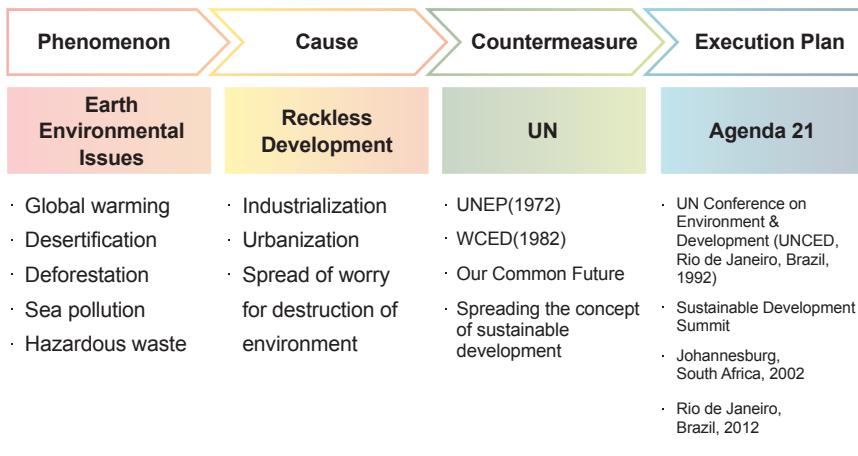
The concept of sustainable development goals was first introduced through 'Our Common Future' published by the World Commission on Environment and Development in 1987.

When we began to recognize that our current way of life destroying the environment without regard for limited resources of Earth would no longer be sustainable for our lives, UN General Assembly has decided to implement the concept of sustainable development as the basic ideology of UN and governments of member nations and to host a large scale international conference.

So the summits from nations around the globe gathered at Rio de Janeiro of Brazil in 1992 for the United Nations Conference on Environment & Development and adopted Agenda 21 as the solution method to various social and economic issues causing environmental issues and this established the foundation for Local Agenda 21 which realizes sustainable development through execution at local level.

The spirit of Council for Sustainable Development with the vision of realizing sustainable development prior to official announcement of UN SDGs was re-established as a global vision for advancement and a collective agreement outlining sustainable development in the form of 'UN SDGs'.

More eyes are on the role of Council for Sustainable Development as sustainable development was announced as a universal value for the mankind.



Guideline for Execution of Sustainable Development Goals (SDGs) for Local Government

Source: Ministry of Environment (2018)

Roadmap by Phase of SDGs Execution for Local Government

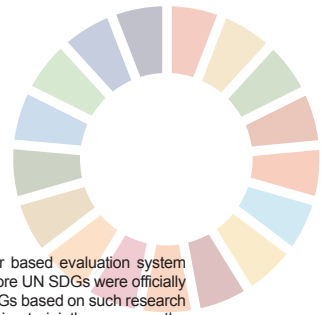
	Phase 1 Establish foundation	Phase 2 Establish system	Phase 3 Operate system
Establish foundation (System / Organization)	Setup org.	Establish ordinance Compose SDC	
Reinforce execution competency	Develop/Execute government employee SDG education and training program : Educate key personnel first, educate by entire position Plan education programs for citizen education and its support along with corporate education programs		
Establish system for execution plan	Announce sustainable development vision	Establish sustainable development strategy and execution plan	Revision/Supplementation of sustainable development execution plan
Development / Assessment of indicators		Development of sustainable development indicators	Assessment of sustainable development indicators and publication of sustainable development report

Stages of Promotion for SDGs by Conditions and Capability of Local Government

Type \ Phase	Phase 1 Establishment of Foundation for Promotion Systemization / Organization	Phase 2 Establishment of System for Promotion Establishment of Plan for Implementation of SDGs	Phase 3 Operation of System for Promotion Task Execution / Assessment
Type A Execution Phase	2015~16	2016~17	2017~18
Type B Draft Phase	2016~17	2017~18	2018~19
Type C Preparation Phase	2017~18	2018~19	2019~20

Gyeonggi-do SDGs

Drafting Process: 2011-2018



Gyeonggi Council for Sustainable Development has been research and executing an indicator based evaluation system similar to UN SDGs known as "Gyeonggi-do Sustainability Evaluation Indicators" in 2011 much before UN SDGs were officially announced in 2015. In 2015-2016, the council has launched projects to improve awareness on SDGs based on such research performances. From 2017, the council has started to draft Gyeonggi-do SDGs and we are planning to jointly announce the 'Gyeonggi-do Sustainable Development Goals (SDGs)' by the end of 2018 between the public and private sectors.

Feedback Process	Details
Experts meeting to establish Gyeonggi-do sustainability assessment and management system 17.04.03	<ul style="list-style-type: none"> Share current status of Gyeonggi-do sustainability management system and relevant results Share necessity to establish a system to establish and execute Gyeonggi-do SDGs Explore ways to restructure the current Gyeonggi-do sustainability management system
Pureun Gyeonggi 21 committee members workshop 17.04.06	<ul style="list-style-type: none"> Education to improve understanding and awareness of UN SDGs Feedback on drafting of Gyeonggi-do SDGs from Pureun Gyeonggi 21 committee members and selection of task priority
Advisory conference for establishment of SDGs execution system for Gyeonggi-do 17.05.15	<ul style="list-style-type: none"> Share status of SDGs drafting with other local governments (Seoul, etc.) Share results of literary study and consultation with experts
Gyeonggi-do sustainable development forum 'What is the direction of sustainable development for that the residents desire?' 17.06.10	<ul style="list-style-type: none"> Discuss goals of SDGs that can be achieved by cities and districts of Gyeonggi-do (With Agenda 21 institutions leading the way) Feedback from residents regarding the initial draft of Gyeonggi-do SDGs
Gyeonggi-do SDGs draft reporting session 17.06.28	<ul style="list-style-type: none"> Report on the initial draft of Gyeonggi-do SDGs Explain the process to establish SDGs implementation system in the future
Completion of Gyeonggi-do SDGs draft 17.07	<ul style="list-style-type: none"> Completion of Gyeonggi-do SDGs draft for feedback from residents Report on initial draft by jurisdictions of Agenda 21 institutions within Gyeonggi-do (July) Online feedback survey for residents of Gyeonggi-do (Mid November-Early November): Feedback from 533 residents regarding propriety and priority of initial draft Pureun Gyeonggi 21 Committee Workshop 'SDGs and Agenda 21' (November): Review of initial draft of Gyeonggi-do SDGs from 5 committees Feedback from Pureun Gyeonggi 21 Committee, relevant experts, and administration of Gyeonggi-do Feedback from city/district level Agenda 21 institutions on indicator propriety (December) Hold public forum at Gyeonggi-do Council for Sustainable Development Workshop Conduct written review of indicator propriety
Feedback for Gyeonggi-do SDGs draft 17.09~12	
Reflect feedback and revise draft 17.12	<ul style="list-style-type: none"> Reflect the details of feedback from 2017 regarding the current initial draft of Gyeonggi-do SDGs and revise the draft
Compose final review TF for Gyeonggi-do SDGs 17.12	<ul style="list-style-type: none"> Experts : Jae-gyeong Goh (GRI), Su-gil Oh (Korea Cyber University), Soon-geum Han (Climate Change Education Center), Jeong-hee Lee (Chairman of Operation Committee at Gyeonggi Civil Society Organizations Network) Administration : Head of Gyeonggi-do Environmental Policy Division, Head of Gyeonggi-do Environmental Planning Team, Chief Officer of Environmental Policy Division, Chief Officer of Future Development Private : Pureun Gyeonggi 21, Gyeonggi Civil Society Organizations Network
Cooperation with Gyeonggi-do Environment Bureau and other administrative bureaus 17.12.20	<ul style="list-style-type: none"> Request for bureau cooperation at the Gyeonggi-do bureau conference (Gyeonggi-do Environment Bureau)
Feedback from administrative institutions and groups 18. First week of January	<ul style="list-style-type: none"> Feedback from relevant institutions and civic groups regarding 57 performances related to the indicators from the initial draft of Gyeonggi-do SDGs
Gyeonggi-do SDGs draft revision conference 18. Second week of January	<ul style="list-style-type: none"> Conference on initial draft of Gyeonggi-do SDGs
Revised draft of Gyeonggi-do SDGs 18. End of January	<ul style="list-style-type: none"> Drafting of revised plan by research staff
Additional feedback on revised plan 18.03	<ul style="list-style-type: none"> Meeting between the disabled, unification, agriculture, social economy activists Meeting for feedback from Council for Sustainable Developments within Gyeonggi-do Plan revised by the research staff through feedback
Demonstrative evaluation of Gyeonggi-do SDGs (Plan) 18.04~07	<ul style="list-style-type: none"> Demonstrative evaluation of the revised Gyeonggi-do SDGs indicator plan to review effectiveness of current indicators Gyeonggi-do SDGs includes city/district common indicators that can be utilized for establishing city/district SDGs and its demonstrative evaluation will be conducted in the manner that can be utilized within cities and districts. Mobile survey on SDGs awareness for 1,000 residents of Gyeonggi-do Demonstrative evaluation will be conducted by GRI (Head researcher : Professor Jae-gyeong Goh)
Analysis of demonstrative evaluation 18.06~07	<ul style="list-style-type: none"> Delete and replace indicators through demonstrative evaluation and conduct discussion between stakeholders Write final version of Gyeonggi-do SDGs

Source: Internal Data of Gyeonggi-do Sustainable Development Council (2018)



Gyeonggi-do SDGs (Plan)

Vision

A sustainable community where everyone is happy

4 Strategies

- Convert to green economy of sharing and co-existence
- Establishment of inclusive and understanding community
- Increase service value of ecosystem and reinforce climate resilience
- Nurture competency of citizens and government through participation and partnership

Category	Details
Goal 1	Reinforce social security to eliminate poverty.
Goal 2	Establish a local food system for stable supply of safe food.
Goal 3	Provide customized health service throughout lifetime for the citizens.
Goal 4	Provide fair learning and training opportunities along with life-long learning service to the citizens of the province.
Goal 5	Guarantee equal opportunities and opportunities for social participation for women and protect women from violence.
Goal 6	Improve cleanliness of rivers and restore water circulation.
Goal 7	Reduce greenhouse gas emission and improve energy independence.
Goal 8	Establish sustainable economy to create desirable jobs.
Goal 9	Improve resilience of social infrastructure and industries.
Goal 10	Resolve inequality between social class and regions and establish an open society of acceptance and understanding.
Goal 11	Establish a safe and healthy community where anyone can enjoy happy life.
Goal 12	Promote sustainable consumption and production for green economy of local circulation.
Goal 13	Reinforce adaptability for climate change to improve resilience of society
Goal 14	Protect marine environment and maintain its cleanliness.
Goal 15	Protect diversity of organisms and improve value of service for ecosystem.
Goal 16	Nurture capable citizens and establish a responsible government through transparent and participative governance.
Goal 17	Reinforce domestic and foreign partnerships for sustainable development.

Gyeonggi-do SDGs consists of 4 strategies, 17 goals, 69 targets, and 149 indicators.

Demonstrative Evaluation for Sustainable Development Goals (SDGs) Index (Plan) of Gyeonggi-do

Research Overview

Gyeonggi Council for Sustainable Development has conducted the demonstrative evaluation based on indicators from revised Gyeonggi-do SDGs to establish effective Gyeonggi-do SDGs and significance of current state of sustainability of Gyeonggi-do as well as the indicators were interpreted.

Data construction

- 1 Statistical data were used for indicators with regularly available statistical data from sources such as the National Statistical Office, Gyeonggi Statistical Portal and other relevant websites and statistical reports.
- 2 Administrative data from other relevant departments of Gyeonggi-do were utilized for indicators without statistics and some indicators utilized data compiled by research institutions such as Gyeonggi Research Institute and Gyeonggi Welfare Foundation.

Evaluation Method

The trend for past 5 years for the targets and indicators for 17 goals will be evaluated

- Improvement for 17 goals will be evaluated and suggest tasks for sustainable development

[Target unit] indicator improvement, worsening, and steady are indicated by picture

Improved :  No change :  Worsened : 

[Trend of individual indicators for past 5 years]

Improved  / Worsened  / No change ~ / Not evaluated 

* Indicators that were not yet evaluated due to lack of data or because they are future indicators are marked with '∞'.

* Targets and indicators were revised and supplemented through the demonstrative evaluation as well as being deleted and adjusted if necessary.

1 NO POVERTY



7 AFFORDABLE AND CLEAN ENERGY



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



6 CLEAN WATER AND SANITATION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION





Goal 1

Reinforce social security to eliminate poverty

people

Targets			Indicators	Trend for Past 5 Years	
1.1	Decrease of poverty rate	😊	1.1.1 Relative poverty	↻	Improved 3 Worsened 1 Pending 1
			1.1.2 Old-age pension claim rate	↗	
			1.1.3 New pensioners	↗	
1.2	Improvement in usage rate of elderly and disabled care services	😞	1.2.1 Usage rate of elderly care service	↘	
			1.2.2 Usage rate of personal assistance services program for the disabled	↗	

- ▶ **Tasks for Improvement**
- 1 Establishment of relative poverty rate statistics for separate groups such as elderlies, disabled, children, and women necessary aside from all residents
 - 2 Discover new recipients and provide sufficient service to improve usage rate of elderly care service
 - 3 Secure personnel to provide personal assistance services program



Establish a local food system for stable supply of safe food

Targets			Indicators	Trend for Past 5 Years	
2.1	Sustainable agriculture and food supply	😊	2.1.1 Food self-sufficiency	↗	
			2.1.2 Ratio of eco-friendly farmland	↘	
			2.1.3 Area of urban agriculture	↗	
2.2	Usage of local food	😊	2.2.1 Local food direct sale market and revenue	↗	Improved 5 Worsened 2
			2.2.2 Ratio of Gyeonggi-do product among eco-friendly meal service farm products	↗	
2.3	Diet education	😞	2.3.1 Number of participants in diet education (Kindergartener, elementary school students, parents)	↗	
			2.3.2 Food waste generated per person	↘	

- ▶ **Tasks for Improvement**
- 1 Improve income and ratio of small and medium sized farms that can contribute to sustainability of farms in local communities through local food and local consumption and expand area of eco-friendly farmland
 - 2 Establish definition of food self-sufficiency for local area and establish statistical system
 - 3 Establish statistics for each group subject to diet education and reduce food waste per person through expansion of diet education



Goal 3

Provide customized health service throughout lifetime for the citizens

people

Targets		Indicators		Trend for Past 5 Years	
3.1	Provide health checkup service for disease prevention		3.1.1 Health checkup rate		Improved 7 No change 1 Worsened 5 Pending 1
			3.1.2 Chronic disease rate		
3.2	Improve implementation of healthy behavior in daily life		3.2.1 Current rate of smoking		
			3.2.2 Rate of high risk drinking		
			3.2.3 Rate of moderate level physical activity		
			3.2.4 EQ-5D quality of life		
3.3	Guarantee mental health for independent lifestyle		3.3.1 Suicide rate		
			3.3.2 Elderly suicide rate		
			3.3.3 Depression rate		
3.4	Decrease infectious disease rate		3.4.1 Incidence of tuberculosis		
			3.4.2 Rate of required vaccination for children		
3.5	Reinforce public healthcare system		3.5.1 Ratio of healthcare budget		
			3.5.2 Number of beds in public hospitals		
3.6	Decrease health hazard from environmental pollution		3.6.1 Ratio of environmental disease patients		

► Tasks for Improvement

- ❶ Improve effectiveness of health checkup rate through improvement of health checkup items and such as disease prevention method
- ❷ Promotion of educational programs and operation of various programs are necessary to reduce rate of high risk drinking are necessary
- ❸ Plan to reduce depression rate which could lead to decrease of suicide rate and potentially suicide should be established
- ❹ Incidence of tuberculosis has not changed much but it still requires a more active prevention measure and budget of public healthcare needs to be expanded
- ❺ Approach linking quality of environment and service improvement to health is necessary to continuously manage and prevent environmental disease and consistent monitoring should be conducted after expanding the range of environmental disease



Goal 4

Provide fair learning and training opportunities along with life-long learning service to the citizens of the province

Targets		Indicators		Trend for Past 5 Years	
4.1	Guarantee opportunity for self-improvement and life-long learning for all citizens within the province	😊	4.1.1 Life-long learning budget	↗	Improved 4 Worsened 1 Pending 2
			4.1.2 Participation rate in life-long learning	∞	
4.2	Guarantee learning opportunity to prevent discrimination due to physical and financial reasons	😊	4.2.1 Number of special education teachers	↗	
			4.2.2 Education subsidy	∞	
4.3	Guarantee equal access to job training for the disadvantaged	😊	4.3.1 Number of vocational rehabilitation facilities for the disabled	↗	
			4.3.2 Elderly jobs budget	↘	
			4.3.3 Performance of employment support for women with career breaks	↗	

Tasks for Improvement

- Expand programs to improve participation rate in life-long learning and reinforce promotion through various channels
- Increase the ratio of special education teacher at schools and education subsidiary per person to prevent educational discrimination due to physical or financial reasons
- Expansion of vocational rehabilitation centers for the disabled and discovery of various new jobs along with elderly employment budget



Guarantee equal opportunities and opportunities for social participation for women and protect women from violence

Targets		Indicators		Trend for Past 5 Years	
5.1	Improvement of social participation rate for women	😊	5.1.1 Economic participation rate of women	↗	Improved 5 Worsened 1
			5.1.2 Ratio of high ranking government employees	↗	
5.2	Active support of coexistence of work and family for parents	😊	5.2.1 Ratio of public day care centers	↗	
			5.2.2 Status of household labor division	↗	
			5.2.3 Total birth rate	↘	
5.3	Elimination of violence against physically weaker people	😊	5.3.1 Ratio of support for female violence victims	↗	

Tasks for Improvement

- Economic participation rate of women is relatively low compared to their academic level so reinforcement of women employment support is necessary
- Ratio of public day care centers is increasing but its absolute ratio is low thus requiring additional facilities and should be reviewed in different methods such as conversion of private facility
- Establishment of statistics for sexual violence, domestic violence and expansion of Sunflower Centers



Goal 6

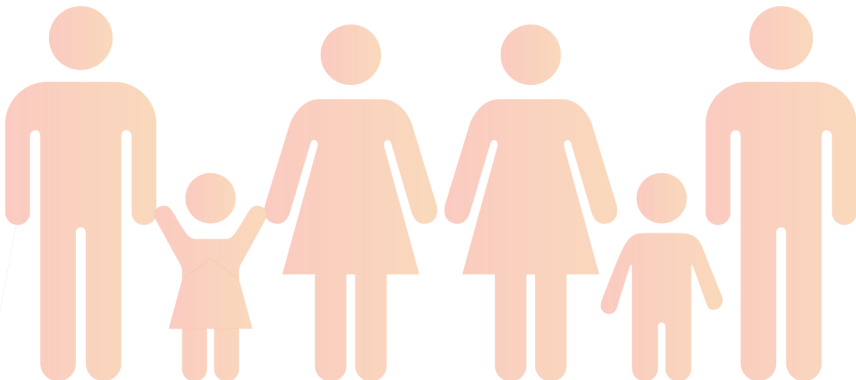
Improve cleanliness of rivers and restore water circulation

people

Targets		Indicators		Trend for Past 5 Years	
6.1	Improvement of health for aquatic ecosystem	😊	6.1.1 Aquatic ecosystem health level	~	Improved 4 No change 2 Worsened 4 N/A 1
			6.1.2 Restoration of river ecosystem	↗	
			6.1.3 Ratio of quality water level achievement for major rivers, lakes, streams	~	
6.2	Supplying of tap water safe for drinking	😊	6.2.1 Excess rate for drinking water standard within regions using water without rating	—	
			6.2.2 Ratio of advanced water treatment	↗	
6.3	Efficient use of water	😞	6.3.1 Water flow rate	↗	
			6.3.2 Water use per person (Household)	↘	
			6.3.3 Groundwater availability	↘	
6.4	Restoration of water circulation	😞	6.4.1 sewage reuse rate	↗	
			6.4.2 Amount of rainwater use	↘	
			6.4.3 Ratio of impervious area	↘	

► Tasks for Improvement

- 1 Improvement of aquatic ecosystem health through water quality improvement and river ecosystem restoration and continuous monitoring and surveying
- 2 Perform free water quality test and customized water refining device and the for groundwater for areas without waterworks and provide custom water refining device, and provide services such as improvement of old facilities, etc.
- 3 Flow rate is increasing but water use per person is also increasing while groundwater availability has decreased thus calling for a plan for management
- 4 Implementation of low-impact development for restoration of water circulation and improvement of natural permeability of rainwater through expansion of natural piping system





Goal 8

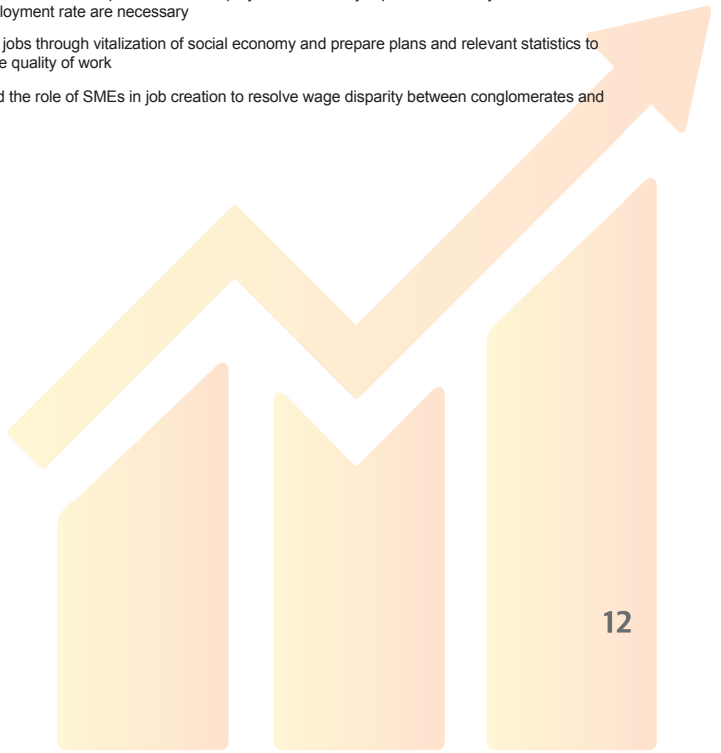
Establish sustainable economy to create desirable

Targets			Indicators	Trend for Past 5 Years	
8.1	Guarantee of stable employment and safe work environment	😊	8.1.1 Ratio of temporary jobs	~	Improved 4 Worsened 2 No change 1 N/A 2
			8.1.2 Industrial accident rate	↗	
8.2	Provision of equal employment opportunity	😊	8.2.1 Employment rate	↗	
			8.2.2 Youth unemployment rate	↘	
			8.2.3 Employment rate for the disabled	↗	
8.3	Vitalization of social economy	😊	8.3.1 Number of social economy enterprises	↗	
			8.3.2 Number of social economy employees	—	
8.4	Mutual growth of conglomerates and SMEs	😞	8.4.1 Wage gap between conglomerates and SMEs	↘	
			8.4.2 Number of benefit sharing agreements between conglomerates and SMEs	—	

prosperity

► Tasks for Improvement

- ❶ Secure employment stability through reduction of ratio of temporary jobs, etc.
- ❷ Plans for consistent improvement of employment rate and job plan to resolve youth unemployment rate are necessary
- ❸ Create jobs through vitalization of social economy and prepare plans and relevant statistics to improve quality of work
- ❹ Expand the role of SMEs in job creation to resolve wage disparity between conglomerates and SMEs





Goal 9

Improve resilience of social infrastructure and industries

Targets			Indicators		Trend for Past 5 Years	
9.1	Improvement in use of public transportation and green transportation		9.1.1 Share of public transportation		Improved 4 No change 1 Worsened 1 N/A 1	
			9.1.2 Share of green transportation			
			9.1.3 Supply rate of eco-friendly vehicles			
9.2	Conversion to eco-friendly green industry		9.2.1 Energy efficiency of manufacturers			
			9.3.1 Number of jobs created by venture companies			
9.3	Growth of new growth industry for the future		9.3.2 Number of youth entrepreneurs			
			9.4	Expansion of R&D investment		9.4.1 Ratio of GRDP against R&D investment

- ▶ **Tasks for Improvement**
- Expand investment to improve share of public transportation and eco-friendly transportation infrastructure, and link fine dust and eco-friendly transportation policies
 - Improve energy efficiency of industrial complex and individual companies in order to convert to low carbon, eco-friendly



Goal 10

Resolve inequality between social classes and regions and establish an open society of acceptance and understanding

10.1	Reduction of income disparity between regions and social classes		10.1.1 Income deciles distribution ratio		Worsened 6 No change 1 Pending 1
			10.1.2 GRDP disparity per person between 31 cities and districts		
10.2	Improvement of income level through improvement of job participation rate from low income households		10.2.1 Participation rate for self-sufficiency programs		
			10.2.2 Elderly employment rate		
10.3	Protection of rights for the disadvantaged		10.3.1 Number of child abuse cases		
			10.3.2 Number of elderly abuse cases		
10.4	Improvement in social integration of immigrants and cultural diversity		10.4.1 Number of cultural diversity lectures		
			10.4.2 Ratio of budget related to multicultural families		

- ▶ **Tasks for Improvement**
- Establish statistics to determine and resolve income disparity between regions and classes
 - Promote policies focused on program exit for establishment of self-sufficiency through jobs for the low-income households and establish statistics regarding program exit rates and income support for elderly from local government such as old-age pension is necessary
 - Establishment of active policy and system to prevent child abuse are necessary
 - Expand education, promotion, and budget to improve social integration of immigrants and cultural diversity



Goal 11

Establish a safe and healthy community where anyone can enjoy happy life

Targets			Indicators	Trend for Past 5 Years
11.1	Reinforcement of public housing and housing policy	😊	11.1.1 Ratio of public housing	↗
			11.1.2 Number of households lacking minimum housing standards	↗
			11.1.3 Ratio of monthly income against rent	∞
11.2	Traffic welfare without discrimination of mobility	😐	11.2.1 Average commute time	↘
			11.2.2 Traffic welfare score	↗
11.3	Establishment of safe pedestrian environment	😐	11.3.1 Number of traffic accident casualties per 100,000 people	↗
			11.3.2 Traffic safety indicator	↘
11.4	Vitalization of urban restoration and development of community spirit	😊	11.4.1 Number of community support projects	↗
11.5	Excavation and preservation of historical and cultural assets	😐	11.5.1 Budget for management of cultural assets	↘
			11.5.2 Number of UNESCO World Heritage registrations	↗
11.6	Clean air	😞	11.6.1 Number of ozone warnings	↘
			11.6.2 Excess rate of fine dust (PM2.5) standard	∞
11.7	Expansion of park service and promotion of disaster prevention plan for the disadvantaged	∞	11.7.1 Ratio of area without park service	∞
			11.7.2 Area safety level indicator	∞
11.8	Expansion of public places for safe and easy access	😞	11.8.1 Crime rate per 1,000 people	↘
			11.8.2 Number of ordinances supporting crime prevention	—
			11.8.3 Ratio of universal facility implementation for public facilities	—

Improved 6
Worsened 5
Pending 4
N/A 2

prosperity

►► Tasks for Improvement

- Expand infrastructure investment for crucial factors that affect quality of life such as housing, pedestrian environment, park service, and disaster prevention and prioritize the vulnerable people and area for everyone to enjoy a fair quality of life
- Establish land use and traffic policies to reduce commute times and resolve differences between cities and districts
- Reinforce regulation on sources of emission to improve air quality and promote energy policy and eco-friendly transportation along with plans to prevent and reduce health hazard to the vulnerable users
- Expand crime prevention design cities and universal designs to establish a safe space anyone can easily access



Goal 7

Reduce greenhouse gas emission and improve energy independence

Targets		Indicators		Trend for Past 5 Years	
7.1	Reduction of difference in energy service between regions and social classes		7.1.1 Provision of energy service for areas without city gas supply		Improved 3 Worsened 1 Pending 2
			7.1.2 Ratio of energy poverty households (Households supported with energy vouchers)		
7.2	Expansion of ratio of renewable energy		7.2.1 Ratio of renewable energy generation		
7.3	Improvement of energy efficiency		7.3.1 Energy intensity		
7.4	Reduction of greenhouse gas emission and improvement of energy independence		7.4.1 Amount of greenhouse gas emission		
			7.4.2 Energy independence		

Tasks for Improvement

- 1 Survey housing environment for energy poor households and provide energy service to resolve energy service disparity and to provide energy service
- 2 Promote production of renewable energy through resident participation for expansion of renewable energy production and reinforcement of investment broker within the energy center, and establishment of more active plans such as green finance support are necessary



Sustainable Development Goals



Goal 12

Promote sustainable consumption and production for green economy of local circulation

Targets			Indicators	Trend for Past 5 Years	
12.1	Efficient utilization of resources	☹️	12.1.1 Ecological footprint per person	↘️	Improved 2 Worsened 7
			12.1.2 Energy user per person	↘️	
			12.1.3 Waste generated per person	↘️	
12.2	Decrease of chemical substances hazardous to health and environment	☹️	12.2.1 Amount of chemical substance emission	↘️	
				↘️	
12.3	Saving and circulation of resources	☹️	12.3.1 Landfill rate of municipal wastes	↘️	
			12.3.2 Recycle rate of municipal wastes	↘️	
			12.3.3 Recycle rate of industrial wastes	↘️	
12.4	Sustainable corporate activities	☹️	12.4.1 Ratio of green companies	↗️	
12.5	Promotion for green consumption for public institutions	😊	12.5.1 Purchase rate of green products for public institutions	↘️	
				↗️	

- ▶ **Tasks for Improvement**
- ➊ Overall reinforcement of policies including regulations, incentives, education, and promotion for efficient use of resources is necessary with environmental load such as ecological footprint per person, energy consumption, and waste generated increasing
 - ➋ Reinforcement of monitoring system on usage of chemical substances and rights of people to know is necessary in order to prevent and reduce health hazard due to harmful chemical substances
 - ➌ Reinforce resource circulation system through saving resources and promoting recycling and promote policies related to green economy
 - ➍ Expand voluntary cooperation and consumer monitoring for vitalization of green production by companies



Goal 13

Reinforce adaptability for climate change to improve resilience of society

Targets			Indicators	Trend for Past 5 Years	
13.1	Decrease of damage from climate change		13.1.1 Amount of damages from natural disasters		Improved 5 Worsened 1 N/A 2
			13.1.2 Human casualties from natural disasters		
13.2	Improvement in implementation of adaptive policies		13.2.1 Implementation of climate change policies		
13.3	Improvement of climate change awareness and decrease of vulnerabilities		13.3.1 Number of people completing climate change course		
			13.3.2 Ratio of climate sensitive disease patients		
			13.3.3 Number of households with storm and flood insurance		
13.4	Establishment of green infrastructure for climate change		13.4.1 Floodproofing rate of local rivers		
			13.4.2 Ratio of riverbed usage		

Tasks for Improvement

- 1 Establish public-private governance and evaluation system for execution of local government plans to adapt to climate change
- 2 Reduce greenhouse gas emission and vitalize education to adapt to climate change
- 3 Promote regulations for usage of soil vulnerable to climate change and adaptive behavior by private entities



Goal 14

Protect marine environment and maintain its cleanliness

Targets			Indicators	Trend for Past 5 Years	
14.1	Preservation of seawater quality		14.1.1 Water quality of Gyeonggi Bay		Improved 1 No change 1 N/A 1
14.2	Preservation of tidelands and sustainable management of coastal ecosystem		14.2.1 Area of coastal wetlands (Tideland)		
			14.2.2 Number of organism monitoring for Gyeonggi Bay		

Tasks for Improvement

- 1 Monitoring system is necessary for various locations including Gyeonggi Bay which can monitor organisms to measure water quality and health of coastal ecosystem since such data is lacking
- 2 Future targets and indicators such as number of activities to prevent marine pollution from oil and plastic, number of participating residents, and governance related to conservation of marine ecosystem should continue to be revised
- 3 Establish and support monitoring activity plan for organisms of Gyeonggi Bay



Goal 15

Protect diversity of organisms and improve value of service for ecosystem

Targets			Indicators	Trend for Past 5 Years	
15.1	Protection of ecosystem and improvement of ecosystem service value	☹️	15.1.1 Area of nature conservation area	↗️	Improved 3 Worsened 2 N/A 2
			15.1.2 Ratio of forest area	↘️	
15.2	Restoration of soil health	☹️	15.2.1 Excess rate of soil pollution standard	↘️	
			15.2.2 Usage of chemical fertilizer per unit area	↗️	
15.3	Increase of biological diversity	😊	15.3.1 Number of organism habitat establishments	—	
			15.3.2 Number of BioBlitz sessions	—	
			15.3.3 Number of endangered species and wildlife	↗️	

- ▶ **Tasks for Improvement**
- ❶ Perform regular ecosystem surveys and monitoring for Gyeonggi-do
 - ❷ Support survey activities of private groups and citizen participation monitoring project for certain locations to improve awareness for ecosystem protection and accumulation of data on biological diversity of Gyeonggi-do is necessary
 - ❸ Establish organism habitats and promote ecosystem restoration projects utilizing ecosystem conservation fund
 - ❹ Expand investment to establish and restore healthy soil



Sustainable Development Goals



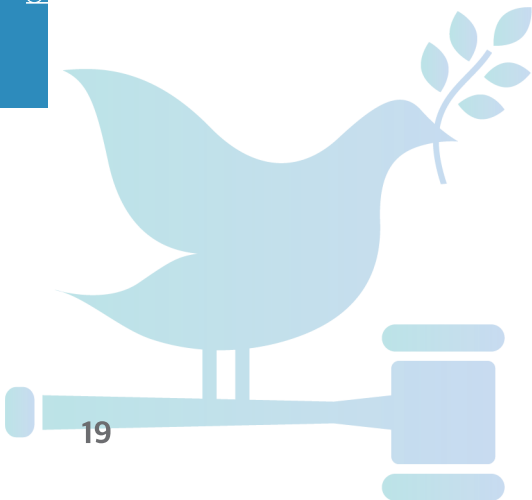
Goal 16

Nurture capable citizens and establish a responsible government through transparent and participative governance

Targets			Indicators	Trend for Past 5 Years	
16.1	Improvement of government transparency and responsibility		16.1.1 Integrity of public institutions		Improved 3 Worsened 2 Pending 1 N/A 1
			16.1.2 Satisfaction level of administrative services		
16.2	Improvement of citizen participation and competence		16.2.1 Ratio of resident participation budget		
			16.2.2 Budget for democratic citizen courses		
16.3	Disclosure of information and satisfaction of right for citizens to be informed		16.3.1 Number of registrations for public announcements in advance		
			16.3.2 Number of ordinances for the right for citizens to be informed		
16.4	Policy participation of future generation		16.4.1 Operating performance of Youth Participation Committee		

Tasks for Improvement

- 1 Disclose public institution integrity within Gyeonggi-do and its cities and districts and customer satisfaction for administrative service
- 2 Expand ratio of resident participating budget and support reinforcement of resident competency through democratic citizen lecture and such.
- 3 Active disclosure of information to satisfy the resident's need to know
- 4 Vitalize the operation of Youth Participation Committee to promote policy participation from future generation for sustainable development





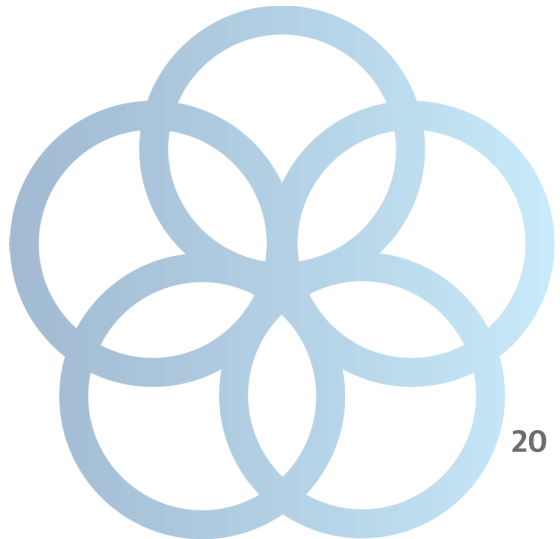
Goal 17

Reinforce domestic and foreign partnerships for sustainable development

Targets			Indicators	Trend for Past 5 Years	
17.1	Leading in international effort for sustainable development	😊	17.1.1 Ratio of ODA budget	↗	Improved 2 N/A 5
17.2	Establishment of sustainable development implementation system	—	17.2.1 Number of local governments involved in creation and evaluation of SDGs	—	
17.3	Vitalization of public-private partnerships	—	17.3.1 Partnership level between public and private sectors	—	
			17.3.2 Ratio of open civil service employees	—	
17.4	Expansion of sustainable development courses	—	17.4.1 Number of citizens completing sustainable development course	—	
			17.4.2 Number of government employees completing sustainable development course	—	
17.5	Expansion of inter-Korean cooperation	😊	17.5.1 Funds for Inter-Korean Cooperation Fund	↗	

▶ Tasks for Improvement

- ❶ Establish Gyeonggi-do SDGs execution system such as the sustainable development committee, SDG evaluation system, and development of tool for mainstreaming SDGs
- ❷ Establish SDGs and support evaluation for lower level local government
- ❸ Develop standard and guideline to assess level and performance of governance and measure partnership level every year to be reflected in policies
- ❹ Expand education on sustainable development to government employees, citizens, and students to improve understanding and awareness for sustainable development
- ❺ Review sustainability of the project along with expansion of Inter-Korean Cooperation Fund project



Demonstrative Evaluation for Gyeonggi-do Sustainable Development Goals (SDGs) - Trends for Past 5 Years (2012-2017) by Goal



As for trends for past 5 years,

Positive is green

Negative is red

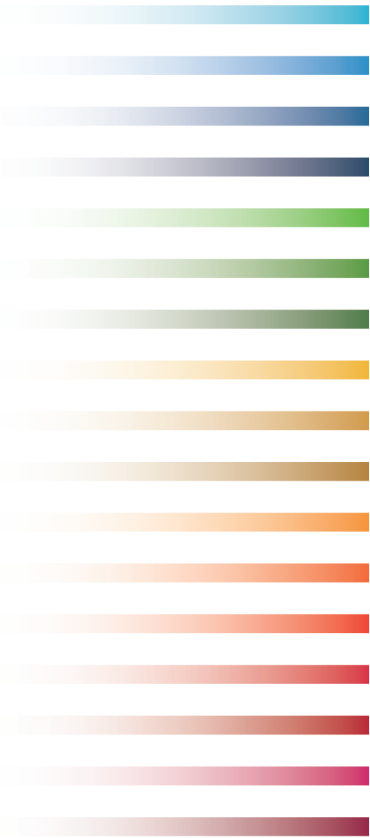
No change is yellow

* You can check more detailed evaluation results
at the website of Gyeonggi Council for Sustainable Development (ggag21.or.kr).

Sustainable Development Goals

Local Agenda 21 institutions of 27 cities and districts of Gyeonggi-do will work together for sustainable development.

Region	Institution	Contact
East	Gwangju Council for Sustainable Development	031-769-7111
	Yeoju Council for Sustainable Development	031-886-6333
	Yongin Council for Sustainable Development	031-338-2021
	Icheon Council for Sustainable Development	031-636-2886
	Hanam Council for Sustainable Development	031-790-5554
West	Pureun Gwangmyeong 21 Council	031-2619-1050
	Gunpo Council for Sustainable Development	031-390-0505
	Green Gimpo Council	031-987-2074
	Siheung Council for Sustainable Development	031-371-0169
	Ansan Agenda 21 Council	031-483-0221
	Anyang Council for Sustainable Development	031-8045-5681
	Euiwang Council for Sustainable Development	031-455-2712
	Gwacheon Council for Sustainable Development	02-503-8228
South	Seongnam Agenda 21 Council	031-752-2010
	Suwon Council for Sustainable Development	031-258-5965
	Anseong Council for Sustainable Development	031-671-2163
	Osan Council for Sustainable Development	031-375-6555
	Pyeongtaek Council for Sustainable Development	031-658-4144
	Hwaseong Council for Sustainable Development	031-355-7920
North	Goyang Council for Sustainable Development	031-8075-9555
	Namyangju Council for Sustainable Development	031-590-4415
	Yeoncheon Council for Sustainable Development	031-834-0078
	Pureun Uijeongbu Agenda 21 Council	031-878-7551
	Pureun Paju Agenda 21 Council	031-944-2166
	Guri Council for Sustainable Development	031-550-2193
	Gapyeong Council for Sustainable Development	031-681-3443
	Pocheon Council for Sustainable Development	031-533-3306



17 Goals to make sustainable
Gyeonggi-do

Gyeonggi-do Sustainable Development Goals (SDGs)

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