



2020 RCE Dobong Annual Report



Dobong-gu





2020 RCE Dobong Annual Report



Issue date December 30, 2020



Publishing office Dobong-gu office

Publisher Lee Dong-jin, Mayor of Dobong-gu

Planning and practice Kweon Cheol-won | Chief, Department of Sustainable Development

Lee Kwang-jae | Team leader, Sustainable Policy Team

Bae Hyun-soon | Official (Director of RCE Dobong), Sustainable Policy Team

Kim Tae-woo | Official (Dobong University of SD, ESD project), Sustainable Policy Team

ISBN 979-11-957479-9-3 (13060)

Illustration/Editing design Hong Joo-yeon, Neo Printing

Inquiries Department of Sustainable Development, Dobong-gu office

Contact +82-2-2901-4814 | bhs0110@dobong.go.kr









Contents



Opening

FOOTPRINT ONE.

UN University RCE Certification Promotion Process



1. Year 2018
2. Year 2019

Closing

FOOTPRINT TWO.

2020 RCE Dobong Story



1. Year 1 Project: ESD textbook production
2. RCE logo production
3. Domestic and foreign RCE networks



Introduction to RCE Dobong Annual Report

The district of Dobong-gu enacted the nation's first basic ordinance for sustainable development in 2015, and established the nation's first dedicated department in 2016 and formed the Sustainable Development Committee. Dobong-gu established the Dobong-gu Sustainable Development Index in 2017, and the nation's first basic plan for sustainable development through talks and discussions based on public-private cooperative governance. Dobong-gu established the first implementation plan out of 25 autonomous districts in Seoul on its own, and is taking the lead in implementing sustainable development, such as completing the sustainability implementation system.

As education should accompany the implementation of sustainable development, the dis-

trict came to prepare the 'Regional Centre of Expertise on Education for Sustainable Development (RCE)' certified by the UN University since 2018 to promote more professional and systematic education for sustainable development (ESD). During the preparation process for UN University RCE certification, we presented a roadmap for realizing the practices and actions necessary for a sustainable future, social change, and ecological transformation life. As a result, on January 13, 2020, Dobong-gu was approved as a 'Regional Centre of Expertise (RCE)' selected by UN University. RCE Dobong, which has been the first accomplishment of an autonomous district in Seoul and the 6th RCE city in Korea, is striving to solidify its role as a hub of education for sustainable development through projects and domestic and foreign networks.

The 2020 RCE Dobong Annual Report contains the preparation process for UN University RCE certification and the contents of the project for the first year after certification. In the future, we will focus on solving community challenges based on collaboration for sustainable life while also working to achieve new values and practices.

RCE

(Regional Centre of Expertise on Education for Sustainable Development)

As a "Sustainable Development Education" hub for sustainable development of the environment, society, and economy, UN universities are certified to local governments, universities, institutions, etc. that lead sustainable development education.

RCE function

- Discovering educational cases and establishing a network between the world's RCEs as a regional hub of ESD
- Promoting ESD proliferation in the region and spreading and promoting it to the surrounding areas
- Sustainable development education for each region by utilizing the characteristics of each region case finding
- Establishing networks, exchanging information, and carrying out projects among international RCEs

ESD

(Education for Sustainable Development)

An education aimed at a society where everyone can benefit from high-quality education and learn the values, actions, and lifestyles necessary for a sustainable future and social transformation.



Sustainable Development Bureau



Department of Sustainable Development



View of Dobong-gu office-1



View of Dobong-gu office-2



View of Dobong-gu office-3



2020

RCE도봉

2020
RCE Dobong
Annual
Report

연간 보고서





FOOTPRINT ONE.

UN University RCE Certification Promotion Process



1 Year 2018



2 Year 2019



Benchmarking of Previous Cases

As the first step to prepare for the RCE Dobong certification, we visited the RCE Tongyeong, RCE Inje, and RCE Changwon, which are domestic RCE cities, and conducted written interviews and gathered opinions with related parties in connection with the RCE.

RCE Tongyeong Sejatra Forest

Date of visit March 13, 2018

Contents of investigation Tongyeong RCE Centre establishment process, ESD program

RCE Inje

Date of visit April 19, 2018

Contents of investigation Linking process with UN University RCE network, RCE application for certification process

RCE Changwon

Written investigation RCE Changwon application, application-related research service related data

Explain and consult with the Sustainable Development Committee

2018 1st Sustainability Committee Steering Committee (January 31, 2018)

In 2018, the 1st Subcommittee System Administration Division (February 19, 2018), Economic and Industry Division (February 21, 2018)

The 1st Sustainability Committee Main Committee in 2018 (February 21, 2018), the 2nd Sustainability Committee Steering Committee in 2018 (July 12, 2018)

Interview with the UN University and RCE related stakeholders

Participated in the Tongyeong RCE International Forum and interviewed with Dr. Philip Vaughter of UN University (November 7, 2018)

Participated in 2018 SDG Network Forum and exchange information (November 13, 2018)

Participated in the symposium of RCE promotion-related regional culture research centre (November 29, 2018)

Participated in 2018 Seoul Sustainable Development Policy Discussion and proposed the necessity of establishing an education centre

Participated in the 2018 UNESCO ESD Policy Forum and interviewed with the UNESCO Korea ESD Chairperson (August 27, 2017)

Collected materials related to domestic and overseas sustainable development education

2020 RCE Dobong Annual Report

2020

RCE도봉
연간 보고서

2020
RCE Dobong
Annual
Report





FOOTPRINT ONE.

UN University RCE Certification Promotion Process

① Year 2018

② Year 2019



Composition and operation of the RCE Dobong Preparatory Committee

The RCE Dobong Preparatory Committee was formed and operated to prepare for the systematic RCE certification of RCE Dobong.

RCE Dobong Preparatory Committee composition and appointment ceremony, RCE preparation related meeting held (February 26, 2019)

Composition of RCE Dobong Preparatory Committee 6 people

Appointment period February - December, 2019

List of RCE Dobong Preparatory Committee members

Serial No.	Position	Name	Title
1	Chair	Lee Seon-gyeong	<ul style="list-style-type: none"> ◦ Chair of the Korean Committee for ESD in UNESCO ◦ Professor, Department of Science Education Cheongju National University of Education
2	Member	Kwon Gi-tae	<ul style="list-style-type: none"> ◦ Representative of the Institute for Social Innovation ◦ Chair of Strategic Subcommittee, National Sustainable Development
3	Member	Kim Du-rim	<ul style="list-style-type: none"> ◦ Principal of Nowon elementary school
4	Member	Shim Seong-bo	<ul style="list-style-type: none"> ◦ Member, Dobong-gu Lifelong Education Council ◦ Emeritus Professor, Pusan National University of Education
5	Member	Oh Su-gil	<ul style="list-style-type: none"> ◦ Member of the Sustainable Development Committee of Seoul City ◦ Professor of dept. of Creative Engineering, Korea Cyber University
6	Member	Jeong Na-yeon	<ul style="list-style-type: none"> ◦ Chair of Dobong-gu Sustainable Development Committee



RCE Dobong Preparatory Committee

Research service for the establishment of model and vision of RCE Dobong

Research services were carried out to establish the operating model and vision of the RCE Dobong. Under the vision of "Sustainable Dobong Community to Learn and Practice Together: From Dobong to the World," we identified the challenges Dobong-gu has to achieve.

Research title Dobong-type RCE model and vision establishment research service

Research period February - June, 2019 (5 months)

Implementing institution Chung-ang university (Research director: Professor Moon Tae-hun)

Task details

Overall system analysis for RCE Dobong construction

Presented specific plans to contribute to the spread of awareness of sustainable development among residents by presenting the RCE Dobong vision and goal setting and detailed implementation tasks.

Major issues

Held an initiation report meeting (March 21, 2019)

Interim report and workshop of related organizations (April 11, 2019)

Final reporting session held (June 18, 2019)

Expert advice on the final report of research service (June 25, 2019)



Workshop view



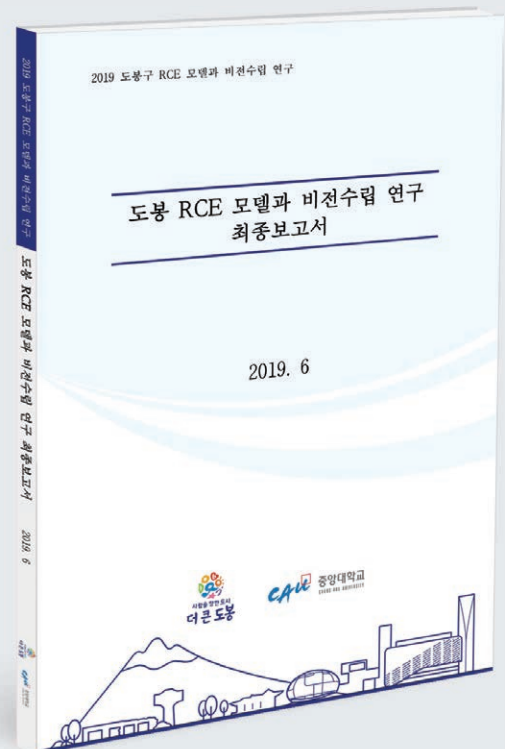
Placard performance



Workshop progress-1



Workshop progress-2



Research report

Letter of intent of designation for RCE certification

Dobong-gu received a letter of intent from 22 RCE-related organizations and bodies in the jurisdiction to strongly express our will for UN University RCE certification, and delivered it to the UN University.

Visit period March 12 - April 4, 2019

Visiting organizations RCE Dobong related organizations and bodies
Submitted with RCE application for certification

Visiting outstanding RCE cities abroad

To obtain information on RCE, we visited UN universities and RCE cities and interviewed with relevant personnel to identify trends in education for sustainable development and collect information.

Visit period March 18 - 20, 2019

Places to visit Kitakyushu and Yokomaha, Japan

Main contents

Visited 421 Lab at Kitakyushu city university

(Professor Hiroyuki MIYAKE, interview with a lecturer Fumitoshi MURAE)

Visit to Moritsune civil centre in Kitakyushu

(Interview with the person in charge, Komuta HAOMI)

Visit Kitakyushu city Hall

(Mika KAMIHIGOSHI manager, Environmental Learning Division, General Affairs Policy Department, Environment Bureau)

RCE Kitakyushu ESD Council

(Interview with a coordinator, Tae MORIKAWA)

Visit the Environmental museum and Eco house

Kitakyushu Asian Women Exchange Research Forum

(Interview with Takahiko HISASUE, Manager)

Participated in an RCE Kitakyushu community activity

(Participation in a youth activity)

Visit to Ikeriji making school (recycling of a closed school)

(Ken Takeda, person in charge)

Visited BankArt 1929 (Cultural space, creative city promoted by Yokohama city)



RCE Kitakyushu ESD Council



Moritsune civil centre in Kitakyushu



Interview with the Head of Environmental Learning Department, Kitakyushu city Hall



421 lab at Kitakyushu city university



Environmental museum-1



Environmental museum-2



Kitakyushu Asian Women Exchange Research Forum



Ikerji making school



RCE Kitakyushu ESD Council youth activity

United Nation University (UNU) visited

Established in 1973, the UNU (United Nations University) is a specialized academic institution affiliated with the United Nations and is playing a role in linking with the UN and the academic world. The UNU, an international community of scholars and researchers to study world issues related to the survival, development, and welfare of mankind, is headquartered in Tokyo, and consists of 13 departments (12 countries) worldwide. The department in each region has established and operated cooperative organizations/teams by subject with other UN organizations. The RCE Dobong continued to refine the direction of RCE Dobong through two visits to the UNU.

Visit period March 20, July 29 - 30, 2019

Place to visit UN University

Main contents Application for certification consulting, etc.

(Expert interviews with Dr. Philip Vaughter, Coordinator Ayako Shimura, Dr. Noguchi Fumiko, and Uematsu Kiyoko)



Interview with an RCE official at UN University (March)



Consulting for UN University certification application (July)-1



In front of UN University



Consulting for UN University certification application (July)-2

Completion of the UN University RCE application for certification

To receive the UN University RCE certification, you must complete the RCE application for certification. Based on the data by research report, we filled out the first application for certification, consulted with the UN University, and filled out the second application for certification at the UN University. And then Dobong-gu's application to RCE certification was submitted to the UN University along with a letter of intent submitted by 22 RCE-related institutions in the city.

1st Submission April 30, 2019 / An email sent to the UN University

Peer review September 4 - 6, 2019 / Review of the certification applications of RCE Inje and RCE Tongyeong

Second submission September 9, 2019 / An email sent to the UN University

RCE application for
certification form (2nd)

2019 Dobong-Gu RCE Application

- For the UN Sustainable Development Education Base City -
2019 Dobong-Gu RCE Certification Application
(2nd)

사람을 향한 도시 더 큰 도봉
City towards People, Further develop Dobong



【Dobong-Gu】

Domestic and foreign RCE network activities

1) 12th RCE Asia-Pacific RCE regional meeting

The Asia-Pacific RCE regional meeting is an annual meeting by RCE cities in the Asia-Pacific region to share cases and network. The RCE Dobong, as the first city in Seoul and the first RCE candidate city to be invited to the 'RCE Case Presentation Session' with the theme of 'Gathering sunlight to my neighbors', presented a good case of the nation's first solar power generation facility built through voluntary participation of local residents, and the 'Dobong Citizens' Sharing Sunlight Power Plant,' which practiced local government-led environmental administration.

Theme Enabling a Low-carbon Society through Education for Sustainable Development

Date June 4 - 6, 2019

Venue Low carbon science & technology museum (Hangzhou, China)

Host-organizer UN University, RCE Hangzhou (Hangzhou, China)

Presentation contents

Presented with a title of 'Gathering sunlight to my neighbors', an example of 'Dobong Citizens' Sharing a Sunlight Power Plant', which was the first in the country to build solar power generation facilities through voluntary participation of local residents and practiced local government-led environmental administration



Group photo of the 12th Asia Pacific RCE regional meeting



Conference hall



With UN University and UNESCO officials



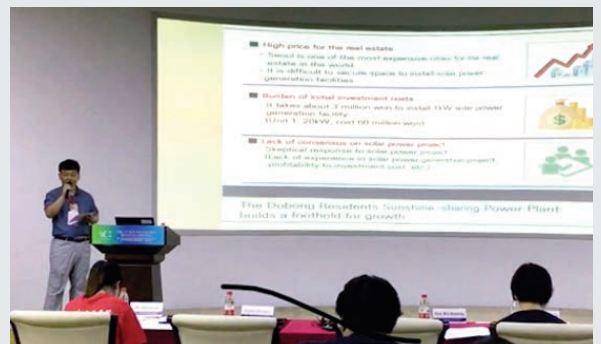
With youth activists of the Asia Pacific RCE regional meeting



With elementary school students



Case presentation of Dobong-gu (Department of Sustainable Development, Official: Dr. Bae Hyun-soon)



Case presentation of Dobong-gu (Department of Environmental Policy, Official: Cho Seok-gyu)

2) ISAP Forum

The ISAP is an international forum that began in 2009 under the leadership of IGES(Global Environmental Strategy Institute) and has been held annually in collaboration with UN University since 2011, and it serves to share information and promote diverse discussions on sustainable development in Asia and the Pacific with the participation of group studies such as the United Nations Environment Program (UNEP) and other partners.

The 2019 ISAP was held for two days from July 30-31 at Annex Hall, the Yokohama International Peace Conference Centre, under the theme of 'Inclusive Transformation-Multilateral Collaboration Leading the World through Cycle and Eco-Economy.' The RCE Dobong participated in the 'Next step of ESD for achieving the SDGs' section, which would help set the direction for sustainable development.

We participated in the 'Next step of ESD for achieving the SDGs' section, which would help us set the direction for sustainable development. It was an opportunity to hear from experts from around the world on the transformative role of ESD and its contribution to the achievement of the Sustainable Development Goals (SDGs), the challenges and lessons learned from recent ESD practices, and the inclusion of a monitoring and evaluation framework.

Theme Inclusive Transformation-Multilateral Collaboration Leading the World through Cycle and Eco-Economy

Date July 30 - 31, 2019

※ Dobong-gu attended Section 7 (July 30)

Venue Yokohama International Peace Conference Hall, Annex Hall

Host-organizer IGES, UN University



ISAP conference hall (Section 7)



ISAP venue

3) 2019 Dobong ESD International Forum

"2019 Dobong ESD International Forum" was intended to provide a ground to spread the importance of sustainable development and education for sustainable development, and share cases of sustainable development and education for sustainable development that are implemented in various forms at home and abroad.

Theme Education, Community, and Sustainability

Forum day 1 Sustainable Development Education meeting at School

Forum day 2 Local Community and Sustainable Development

Date October 29 - 30, 2019

Venue Dobong-gu office

October 29 (14:00 - 17:30): Jaunbong Hall on the 16th floor

October 30 (14:00 - 17:30): Seoninbong Hall on the 2nd floor

Host-organizer Dobong-gu

Sponsor Korean National Commission for UNESCO

Attendees 350 people, including experts and related personnel for sustainable development and ESD, teachers, students and residents of Korea

Forum Day 1



Dobong ESD international forum structure



Venue



Postcards for future generations



Placard performance



Together with speakers and presenters

Forum Day 2



Venue 1



Venue 2



Placard performance



Together with youth volunteers



Together with speakers and presenters



Discussion

Overseas Presenters' Tour of Dobong-gu



Dobong forest village



Peace culture bunker



Gansong's old House



In front of Dobong-gu office



Chang-3dong childcare centre



Craft participation-1



Craft participation-2






2020

RCE도봉


2020
RCE Dobong
Annual
Report

연간 보고서





FOOTPRINT TWO. 2020 RCE Dobong Story



1 Year 1 Project:
ESD textbook production



2 RCE logo production



3 Domestic and foreign RCE networks



Obtaining a UN University RCE certification

On January 13, 2020, Dobong-gu received the 'Regional Centre of Expertise (RCE) certification from UN University for the first time in Seoul's autonomous district, and is the 6th RCE city in Korea after RCE Tongyeong, RCE Incheon, RCE Ulju, RCE Inje, and RCE Changwon. As of year 2020, 175 cities in 62 countries around the world received the RCE certification.



Global RCE Network Education for Sustainable Development

ABOUT NEWS EVENTS RCES WORLDWIDE COMMUNITY PUBLICATIONS

SIX NEW RCES JOIN THE GLOBAL RCE NETWORK

Submitted by nancypham on Tue, 2020-01-21 14:19

The Global RCE Service Centre is delighted to announce six new RCES joining the network, who were acknowledged at the Fourteenth Meeting of the Ubuntu Committee of Peers for the RCES held last month in Tokyo, Japan, from 5-6 December, 2019.

Please join us in extending a warm welcome to the new members of the RCE family:

- RCE Dobong-gu (Republic of Korea)
- RCE Omura (Japan)
- RCE Ostwürttemberg (Germany)
- RCE Otago (New Zealand)
- RCE Puerto Rico (Puerto Rico)
- RCE Salisbury (USA)

Globally, the RCE Network now consists of 174 RCES. The updated list (including profiles) of RCES worldwide can be viewed [here](#).

Region:

Global

NAVIGATION

RCE PROJECTS

EVENT CALENDAR

BULLETIN

CAPACITY DEVELOPMENT

FACEBOOK

NEWS FEED



CONTACT US

PRIVACY STATEMENT

TERMS OF USE

COPYRIGHT

WELCOME TO OUR NEW RCES

- RCE DOBONG-GU
- RCE OMURA
- RCE OSTWÜRTTEMBERG
- RCE OTAGO
- RCE PUERTO RICO
- RCE SALISBURY

RCE network homepage

1st Year project: ESD textbook production

To embody the implementation of the Sustainable Development Goals (SDGs), the core operating value of the district administration, RCE Dobong produced ESD textbooks for elementary school students as a first-year project. Based on private-government-school collaboration, we have formed a consensus on the importance of sustainable development; education for sustainable development through the production of textbooks conducted by ourselves.

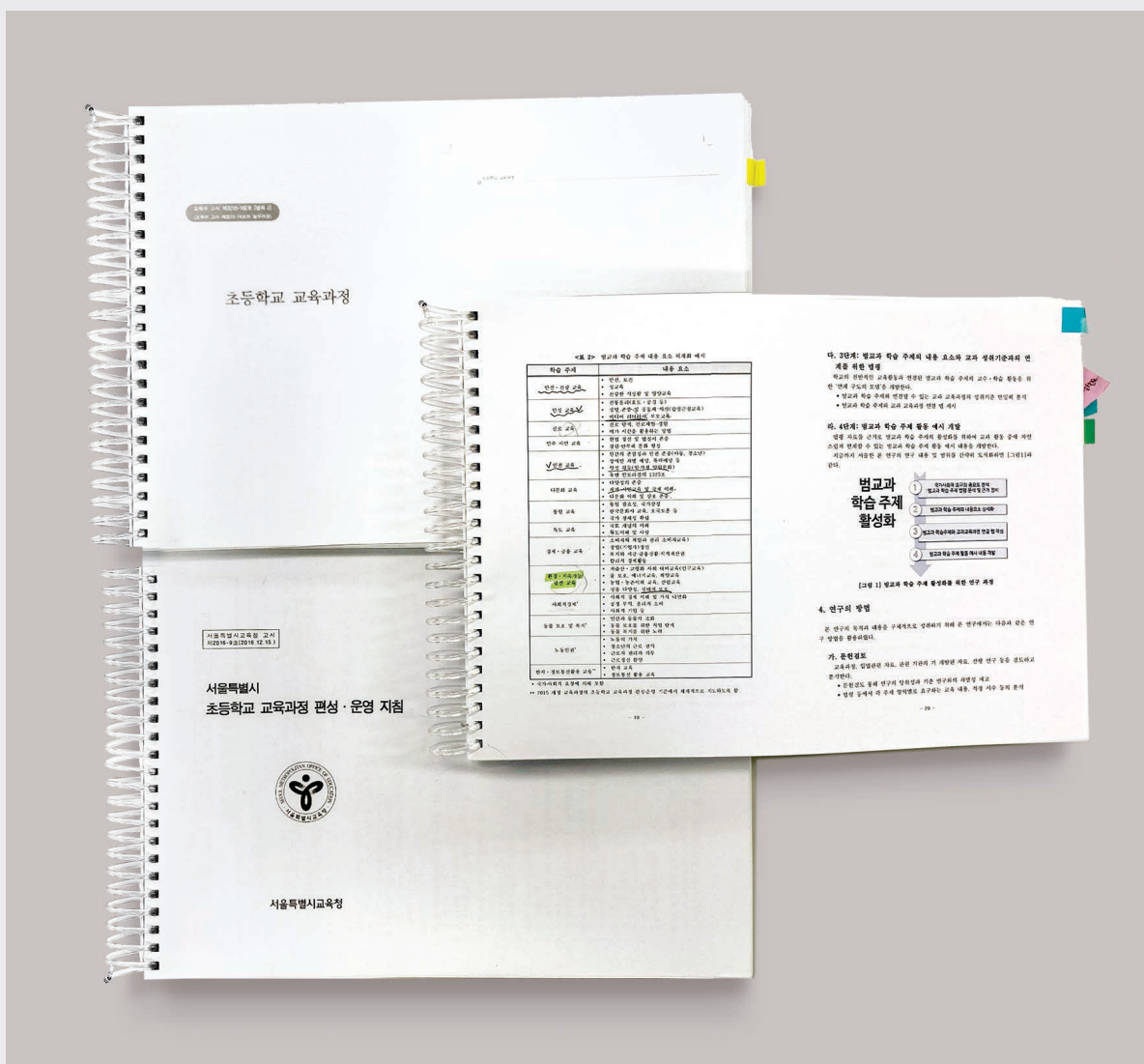
Division	Content	Promotion matters	Schedule
ESD textbook planning	Basic analysis	◦ Analysis of connection between elementary school curriculum and cross - curricular learning topics by Ministry of Education	December 2019 - February 2020
	Perception survey	◦ Perception survey for sustainable development - education for sustainable development for elementary school teachers in Dobong district	January - July
ESD textbook development	ESD textbook writing and expert advice	◦ Composition of writers and writing of textbooks · For students (3rd-4th grade, 5th-6th grade level)	April - December
		◦ Expert advice and content supervision	February - December
	Induce participation of village instructors	◦ Discovery of village instructors (those who have completed training instructors for global citizenship education, environmental education, etc.)	June - September
ESD textbook monitoring and content supervision	ESD textbook monitoring	◦ (Monitoring plan draft 1) Teacher conducts during regular curriculum ◦ (Monitoring plan draft 2) The village instructor conducts using the creative experience activity time, etc. ※ Participating schools: Ssangmun elementary school, Banghak elementary school, Gain elementary school, Dobong elementary school, Korea Research Institute of Women's Life(Institution for primary & secondary education certification)	October - November
	Supervision of content in ESD textbooks (at any time)	◦ Supervision of contents by experts, etc.	August - December
Publication of ESD textbooks	Select textbook title	◦ Cooperation with Department of Sustainable Development and Dobong-gu Sustainable Development Committee	November - December
	Publication of ESD textbooks	◦ Application for issuance of International Book Standard Number (ISBN) ◦ Publication of ESD textbooks	December

1) Analysis of connection between elementary school curriculum and cross-curricular learning subjects

Period December 2019 - February 2020

Contents Select the subject of the unit used for the ESD curriculum

- Selecting seven unit themes that can be written by linking the Sustainable Development Goals, elementary curriculum and cross-curricular learning topics with characteristic examples of Dobong-gu



2) Perception survey for sustainable development - ESD for elementary school teachers in the district

Survey design (January - February, 2020)

Gathering of experts' opinions for the validity of the survey measurement tool (February, 2020)

※ Seoul Northern education support office, ESD experts, etc.

Visiting the school for participation in the survey and distributing and collecting questionnaires (March 2 - July 12, 2020)

Survey target Elementary school teachers in 23 schools in Dobong-gu

Survey method Online-Offline / Total 59 items

- Results: A total of 245 copies were collected (81.6%), and 219 copies were actually analyzed
- Analysis method: SPSS 23.0 statistical program (frequency analysis and difference analysis)

Results The elementary school teachers' awareness of SD and ESD was low, but the intention to participate was high.

CODE

— 도봉구 지속가능발전교육거점도시(RCE)—

지속가능발전교육(ESD) 교재 개발에 대한 의견수렴 설문조사

안녕하십니까?

2020년 도봉구에서는 지속가능발전교육거점도시(RCE) 인증 프로젝트에 관련하여 지속가능발전교육(ESD) 교재 개발을 계획하고 있습니다. 지속가능발전교육 교재 제작에 앞서, 관내 학교교사가 인식하는 지속가능발전교육의 가치와 의미, 그리고 앞으로의 지향성에 관한 의견을 수렴하고자 합니다.

통계법 제31조와 제33조에 의거하여 선생님께서 제출하신 의견은 익명으로 처리됩니다. 선생님의 의견은 오로지 지속가능발전교육 교재 제작에 대한 의견으로 사용되오니, 한 문항도 빠짐없이 솔직하고 성의 있게 답변해 주시면 감사하겠습니다.

조사시행기관: 도봉구청 지속가능정책담당관	
조사주관	서울특별시 도봉구청 지속가능정책담당관
문의처	담당자: 배현순 주무관 주 소: 서울특별시 도봉구 마들로 656(방학동) 연락처: 02-2091-4814 E-mail: bhs0110@dobong.go.kr

Questionnaire

3) Composition of writers and writing of textbooks

Composition of writing staff (January - April, 2020)

Writers' writing textbooks (April - December, 2020)

Unit	SDGs connection	Division	Unit topic	Major content	Writer
1	4, 17	Stage 1 (4)	It starts from me	<ul style="list-style-type: none"> Understanding each other's connection for sustainable development Learning about actions to contribute to sustainable development 	Ahn Eun-mi, Lee Eun-mi, Won Mi-sook, Lee Hye-soon, Kweon Hye-hyun (GCSE learning club)
		Stage 2 (4, 17)	From me, from us		
2	2, 3	Stage 1 (2, 3)	What is a sustainable diet?	<ul style="list-style-type: none"> Finding out the types of food for a sustainable diet Understanding sustainable eating through shopping activities 	Ki Ji-bin (Banghak elementary school)
		Stage 2 (2, 3)	Let's practice sustainable eating		
3	5,10	Stage 1 (5,10)	Women and men are the same	<ul style="list-style-type: none"> Finding out your gender stereotype mentality 	Oh Yu-jin, Kim Yoon-hae (Dobong elementary school)
		Stage 2 (5,10)	I believe in the greatness of you		
4	3, 11	Stage 1 (3,11)	My day changed with a mask	<ul style="list-style-type: none"> Understanding the daily life changed to COVID-19 Sharing your masked day with your friends 	Bae Hyun-soon (Dobong-gu office)
		Stage 2 (3,11)	Preparation for the post COVID-19 era and future generations		
5	7, 9, 11	Stage 1 (7,9)	Find hidden new and renewable energy	<ul style="list-style-type: none"> Understanding new renewable energy Create a new renewable energy map 	Lee Mi-young (Gain elementary school)
		Stage 2 (7,11)	New renewable energy and a bright future		
6	13, 15 1, 12, 16	Stage 1 (13,15)	We are looking for our local flagship species	<ul style="list-style-type: none"> Understanding the story of a dung beetle disappeared due to environmental pollution Understanding the importance of flagship species through examples such as tail silk butterfly 	Bae Hyun-soon (Dobong-gu office)
		Stage 2 (1,12,16)	Good chocolate		
7	3, 6, 11	Stage 1 (3,11)	Useful microbial EM story	<ul style="list-style-type: none"> Finding out the types of microorganisms living around us Understanding microorganisms useful in real life 	Lee Mi-young (Gain elementary school)
		Stage 2 (3,6)	EM that saves us		
Appendix	All	Stage 1		<ul style="list-style-type: none"> Textbook activity sheet 	Bae Hyun-soon (Dobong-gu office)
		Stage 2			

Writing direction

Textbook type ESD textbook One (3rd - 4th grade level)

ESD textbook Two (5th - 6th grade level)

Textbook composition Seven units per level (opening of thought, unfolding, expanding, and matching)

- Includes illustrations, stickers, and game boards to stimulate interest
- Contains the story of the Dobong-gu region in connection with the Sustainable Development Goals

Meeting of writers to develop educational materials for sustainable development

- Meeting more than seven times including face-to-face and non-face-to-face



Together with the Global Citizenship Education Learning Club



School visit



Writing staff meeting

4) Collecting expert opinions for textbook production

The 1st expert meeting (March 2 - 13, 2020) Written consultation, 8 participants participated

The 2nd expert meeting (August 19, 2020) Dobong-gu office, Ssial Hall (9F), 9 people participated

The 3rd expert meeting (December 9 - 17, 2020) Written consultation, 11 participants participated

· Content supervision through at any time interviews with experts and local activists



Expert talk meeting-1



Expert talk meeting-2

5) Textbook monitoring

Recruitment of elementary schools for monitoring textbooks, etc. (June - August, 2020)

Four pilot schools (four areas) Ssangmun, Banghak, Gain, Dobong elementary school

Institution for primary & secondary education certification

Korea Research Institute for Women's Life (Jung-gu, Seoul)

Preliminary meetings of village instructors for monitoring textbooks (October, 2020)

EM instructor (Dobong Environmental Education Centre), GCSE instructor (GCSE learning club)

Sustainable development education textbook monitoring (October - November, 2020)

Participating schools Ssangmun, Banghak, Gain, Dobong elementary school, Korea Research Institute for Women's Life (literacy education institution)

Participation performance 15 classes, 289 participants

Content Classes performed by writing staff, village lecturer and homeroom teacher, survey for students' understanding of textbooks

Participation status by school

Unit class, person

Serial number	School (institution)	Schedule	Participating class	Number of participants
1	Gain	October 12,13,15,16	3rd grade 3 classes (67 students) 6th grade 4 classes (91 students)	158
2	Korea Research Institute for Women's Life	October 24,30	Secondary school 1st grade (7 students) Secondary school 2nd grade (10 students) Secondary school 3rd grade (9 students) ※ 1 class for each grade	26
3	Ssangmun	November 10,12	2nd grade 1 class (23 students) 6th grade 1 class (20 students)	43
4	Banghak	November 23	5th grade 1 class (23 students)	23
5	Dobong	November 24,27	3rd grade 1 class (19 students) 4th grade 1class (20 students)	39



Ssangmun elementary school textbook monitoring-1



Ssangmun elementary school textbook monitoring-2



Banghak elementary school textbook monitoring



Gain elementary school textbook monitoring



Dobong elementary school textbook monitoring



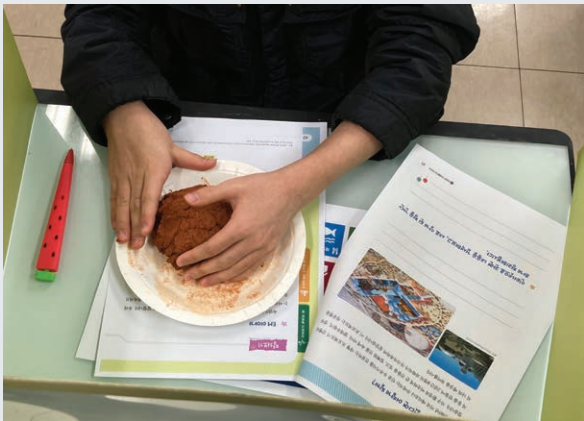
Dobong elementary school textbook monitoring



Korea Research Institute for Women's Life school textbook monitoring



Gain elementary school's Unit 7 activity (making EM mosquito repellent)



Gain elementary school's Unit 7 activity (making EM earthen ball)



Gain elementary school's Unit 7 activity (throwing EM earthen balls at Banghak stream)



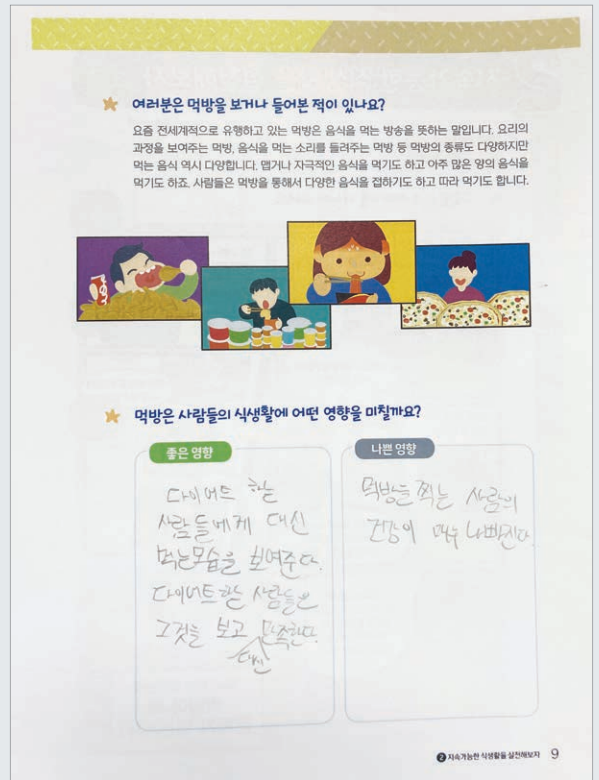
Textbook monitoring process-1



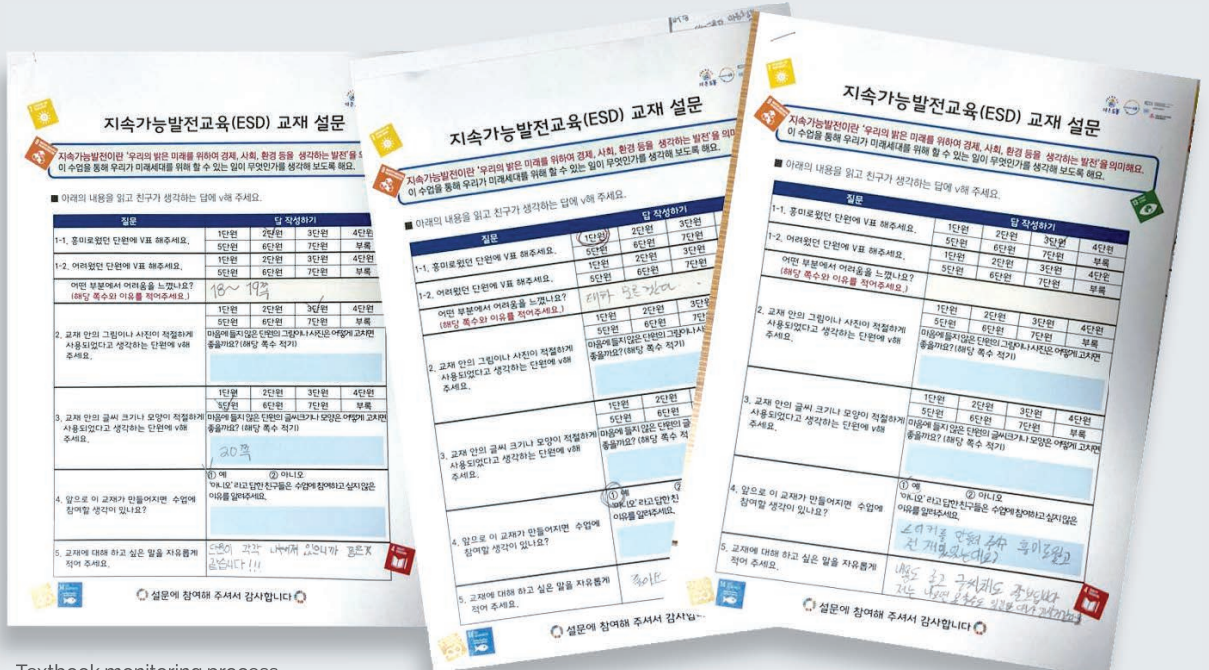
Textbook monitoring process-2



Textbook monitoring process-3



Textbook monitoring process-4



Textbook monitoring process
-Questionnaire survey

List of textbook monitoring participants



Ssangmun elementary school



2nd Grade - Class 1

TEACHER **Choi Eun-suk**

Kim Beom-jun, Park Ki-seong, Park Ki-tae, Park Tae-kyeong, Ahn Ji-wan, Yang Hyeon-wu, Oh Hyeon-min, Lee Seo-hwi, Lee Hyeong-ju, Cha Hee-jun, Park Seong-jin, Ko Ji-yeong, Kim Ji-yeong, Noh Ji-eun, Seo Hyo-rin, Yoo Chae-yun, Lee Eun-seo, Lee Ji-won, Jeong Ji-wu, Jo Yun-a, Hong Min-yeong, Choi Ga-eun, Park Jin-hee

6th Grade - Class 2

TEACHER **Kang Soo-jeong**

Kim Ha-seong, Nam Gung Won-bin, No Tae-hyung, Park Seon-woo, Seo Hye-seok, Ok Dong-gyu, Lee Jun-woo, Lee Tae-min, Jang Jin-young, Han Seung-yoon, Kang Chae-won, Kim Ga-yeon, Kim Da-hyun, Kim Sol, Kim Jeong-won, Seok Ji-eun, Shim Seong-yeon, Lee Hyun-seo, Jang Da-sol, Hwang Yae-won



Banghak elementary school



5th Grade - Class 2

TEACHER **KI JI-BIN**

Kim Na-yeon, Kim Doo-yoon, Kim Byeol-ha, Kim Sa-rang, Kim Ye-jun, Park Kyung-tae, Park Ye-na, Park Chae-bin, Baek, Mi-na, Son Jae-hyuk, Shin Seung-chul, An Da-hee, Lee Kyung-min, Lee A-in, Lee Jung-yoon, Lim Min-jung, Jung Seok-hoon, Jung Si-woo, Jung Eun-joo, Jo Min-seo, Jin Seo-young, Hwang Soon-beom, Park Seo-jun



Ga'in elementary school



3rd Grade - Class 1

TEACHER **Lee Su-yeon**

Kim Yong-in, Kim Eun-seo, Kim Jeong-won, Kim Ji-yul, Kim Chae-ha, Park Se-eun, Park Yu-bin, Park Chan-wu, Yu-ri, Shin Hyeon-jun, Ahn Yeon-jae, Yeom Dae-yeong, Lee Min-seo, Lee Seol-ah, Lee Jung, Ion-seop, Jang Seo-hyeon, Jang Yeong-seo, Jeong Ga-yun, Jeong Ye-chan, Cho Chae-min

3rd Grade - Class 2

TEACHER **Kim Da-sol**

Kim Na-rin, Kim Seo-gyun, Kim Su-min, Kim Eun-jun, Park Yeong-seo, Park Ji-Oh, Bae Sung-jin, Shin Yu-jin, Oh Yeong-jun, Yujin-i, Yun Haram, Lee Min-hu, Lee Si-hun, Lee Je-yi, Lee Tae-yeon, Lim Jun-yeong, Jung Sung-wu, Jeong Yeo-jun, Cho Min-jun, Chu Seo-hyeon, Han Byeol, Han Ji-gun, Hwang Yeon-jae

3rd Grade - Class 3

TEACHER **Choi Su-yeon**

Kwon Ju-hwan, Kim Do-yun, Kim Min-jae, Kim Min-jun, Kim Ji-hu, Baek Seung-su, Oh Seung-jun, Lee Ye-seong, Lim Jun-seo, Heo Ju-hyuk, Hong Geo, Nam Jun-wu, Kim Na-eun, Na Na Su-hyeon, Park Cho-eun, Shin Chae-won, Lee Wu-kyeong, Jang Seo-hyeon, Jeong Seo-yun, Cho Ye-eun, Choi Ha-rin, Yun Ji-wu, Ha Yi-rim

6th Grade - Class 1

TEACHER **Lee Su-hyeon**

Kim Na-hyeon, Kim Min-gun, Kim Ji-yeong, Kim Chang-gun, Park Min-wu, Ahn Sung-jin, Yang Su-yeong, Yeom Su-hyeon, Yu-seong Wi, Yun Tae-yeong, Yun Tae-yong, Lee Dong-hae, Lee Ji-wu, Lee Ji-wu, Lee Jin-gyu, Lee Tae-kyeong, Lee Tae-hee, Lee Hyeon-min, Lee Hye-no, Jung Jeong, Ju-hyeon, Chu Seo-hyo, Han Chae-eun

6th Grade - Class 2

TEACHER **Lee Mi-young**

Kang Cho-bin, Na In-seo, Mun Gyu-rim, Park Jeong-hyeon, Seok Min-seo, Oh Ye-rim, Lee Seo-yeon, Choi Su-yeong, Kim Ji-seong, Kim Ji-wuk, Park Gar-ram, Baek Do-hyeon, Sung Yun-chan, Wu Jun, Lee Yeong-hyeon, Jang Yeong-min, Cho Seung-won, Ji Ye-seong, Choi Dong-hwan, Choi Hyeon-bin, Han Dong-wu, Han Jun-wu, Kim Hyeon-ji

6th Grade - Class 3

TEACHER **Ryu Jae-jun**

Kim Nayeon, Kim Danbi, Kim Do-hyeon, Kim Seong-eun, Kim Ju-won, Kim Ha-rang, Park Kang-min, Bae Seo-jun, Seo Chae-jin, Wi Hyo-rim, Lee Dong-wu, Lee Seung-hyeon, Lee Jun-seong, Lee Ji-wu, Lee Hye-won, Jeon Jeon, Jung Min-wu, Jung Ju-hye, Jung Hana, Cho Chae-hun, Choi Si-wu, Choi Ji-min, Han Jae-seung

6th Grade - Class 4

TEACHER **Lee Hyeon-seok**

Kang Jeong-ho, Kim Ki-eun, Kim Min-sang, Kim Su-min, Kim Ju-seong, Kim Jun-seo, Kim Tae-kyeong, Kim Tae-yun, Kim Hyeon-wu, Park Yu-jin, Park Chang-yun, Bang Jae-yun, Song Han-yul, Shin Shin, Lee Seo-hyeon, Jang Ye-seo, Jang Wu-chan, Jo A-in, Jo Hyeong-mo, Ju Ye-won, Han Seo-hyeon, Han Ji-ho

**Dobong elementary school**

3rd Grade - Class 2

TEACHER **Kim Yoon-hae**

Kong Eun-seok, Gil La-im, Kim Da-hyeon, Kim Do-yeon, Kim Min-ju, Kim Ye-eun, Kim Ye-hyeon, Kim Ju-shin, Kim Tae-gun, Min A-yeong, Song Na-hyeon, Song Seon-wu, Yang Won, Lee Dae-hyeon, Lim Yu-jung, Jeong Se-yun, Jeong Si-hu, Jeong Ha-eun, Cho Min-seong

4th Grade - Class 3

TEACHER **Oh Yu-jin**

Kwon Si-eun, Kim Dong-wuk, Kim Min-ji, Kim Seo-yeon, Kim Yeong-chan, Kim Ji-min, Kim Ha-yeong, Kim Hyeon-su, Kim Ho-yeong, Nam Gyu-ri, Noh Hyeon-wu, Min Ji-won, Oh Ji-yun, Yu Sang-hyuk, Yun Dong-han, Lee Seo-yun, Lee Yeong-ju, Lee Ju-yeong, Lim Ji-han, Choi Yu-jin

6) Textbook title selection

Department of Sustainable Development x Dobong-gu Sustainable Development Committee members worked together to create the textbook title.

Stage	Major Contents	Schedule
Stage 1	<ul style="list-style-type: none"> ◦ Held training (academy) at the 2020 Sustainable Development Committee · Climate and environment section (5 persons), Education and culture section (7 persons), Health and welfare section (7 persons), System administration section (6 persons), Economic industry section (4 persons) → 29 persons in total 	October 12-28
Stage 2	<ul style="list-style-type: none"> ◦ Text mining analysis using R program · Sentence analysis submitted by 29 people (137 items) · 92 words extracted from 137 sentences · Word ranking: Earth (Priority 1), Me (Priority 2), Us (Priority 3), All (Priority 4), Future (Priority 5) · Create the title centering on the 1st-5th ranking words (5) / Department of Sustainable Development ※ Text mining: A statistical analysis technique that finds information by identifying the frequency of occurrence of words and the relationship between words 	November 2-13
Stage 3	<ul style="list-style-type: none"> ◦ Conduct a survey to select the 1st~3rd ranking title (online survey) · Private sector members of the Sustainable Development Committee (27/42 people) · Survey method: anonymous offline survey (2 votes per person) ◦ 1st priority - 17 promises from our village to planet Earth (63%) ◦ 2nd priority - Sustainable Planet Earth Story (51.9%) ◦ 3rd priority - Sustainable life starting with 'me! you! us!' (37%) ◦ 4th priority - Me, you, tomorrow, and the next generation (33.3%) ◦ 5th priority - Sustainable Action Stories that We Can Tell: From the village to planet Earth (14.8%) 	December 7-10
Stage 4	<ul style="list-style-type: none"> ◦ Select textbook title: 17 promises from our village to planet Earth 	

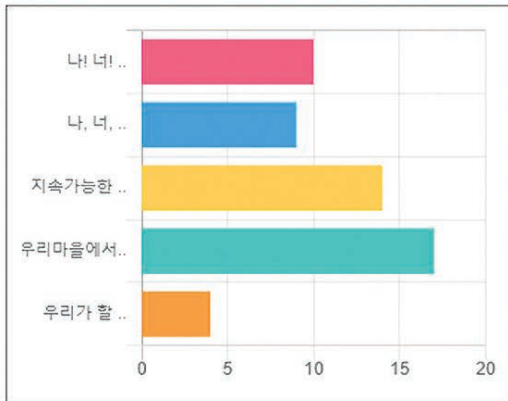


Preparing questionnaire for creating a textbook title-1



Preparing questionnaire for creating a textbook title-2

Preparing questionnaire for creating a textbook title-Results



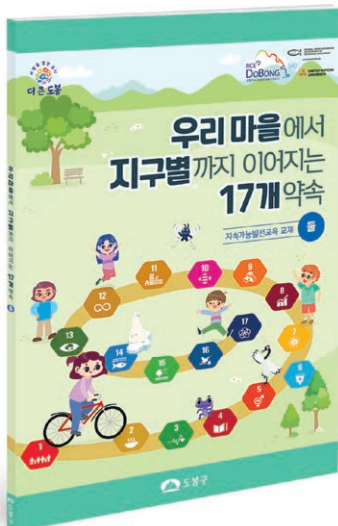
응답	응답수
<input checked="" type="checkbox"/> 나! 너! 우리!로 시작하는 지속가능한 삶	10 37%
<input checked="" type="checkbox"/> 나, 너, 내일, 그리고 다음세대	9 33.3%
<input checked="" type="checkbox"/> 지속가능한 지구별 이야기	14 51.9%
<input checked="" type="checkbox"/> 우리마을에서 지구별까지 이어지는 17개 약속	17 63%
<input checked="" type="checkbox"/> 우리가 할 수 있는 지속가능한 실천 이야기-우리마을에서 지구별까지.	4 14.8%

7) Textbook publication

- Internal and expert editing review and content supervision (November 20 - December 24, 2020)
- Application and issuance of International Book Standard Number (ISBN) (December 29, 2020)
- 17 promises from our village to planet Earth (one, two) publication (December 30, 2020)



Completed textbook-1

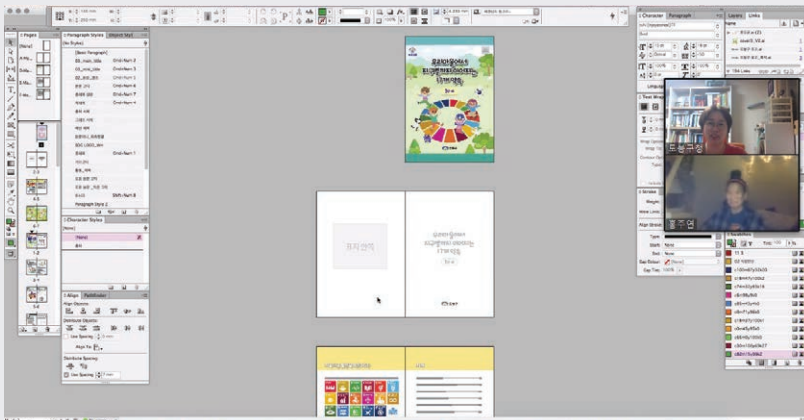


Completed textbook-2



I have already
read it 20 times!

Internal review of textbooks



Textbook editing design



17 promises from
our village to planet
Earth - 1



17 promises from
our village to planet
Earth - 2

2020

RCE도봉 2020
RCE Dobong
Annual
Report

연간 보고서





FOOTPRINT TWO.

2020

RCE Dobong Story



① Year 1 Project:
ESD textbook production

② RCE logo production



③ Domestic and foreign RCE networks



RCE Dobong logo production

Together with design dream trees of Seoul culture high school located in Dobong-gu, we made a logo to promote RCE Dobong nationwide.

Period July - December, 2020

Participation target Students of the Culture Contents Design Department at Seoul Culture High School teacher and students

- Guidance teacher: Jo Hyeon-young
- Students: Lee Ji-won, Lee Su-a, Shin Bo-young

Meeting method 5 meetings in the field workshop, 7 zoom meetings for supplementary work

Logo direction Expressing 'City for people, Bigger Dobong' and the three axes of sustainable development (environment-social-economic)

※ Mt. Dobong (environment), people (society), graphic motif (economy)

※ Graphic motif: Mt. Dobong, Jeon Hyeong-pil's house, Robot museum, Arena-complex·Transfer centre

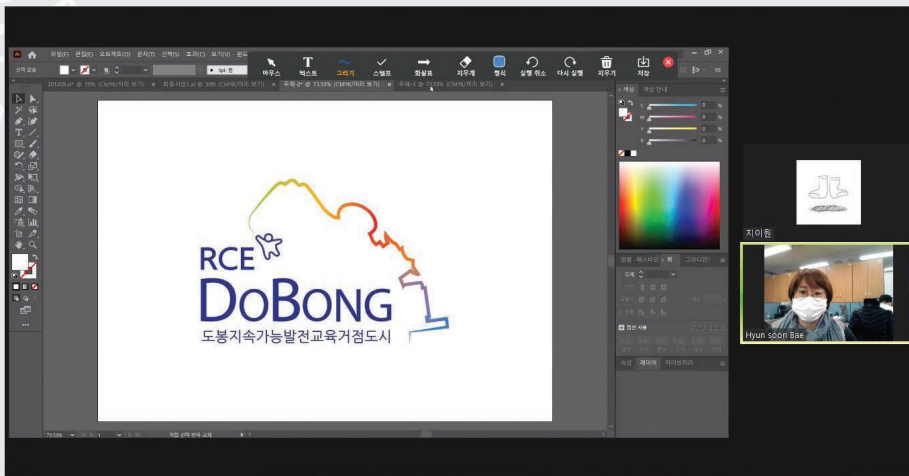
Colors Sustainable Development BI – Use of green (environment), orange (economy), and blue (social)



Logo design work in the school studio-1



Logo design work in the school studio-2



Non-face-to-face logo design work



RCE Dobong logo

Dobong University of sustainable development

The University of Sustainable Development, which marks its third year this year, is a program of education for sustainable development for district residents, and it was established in 2018 to enhance the understanding of the sustainable development of district residents, and achieve the environment preservation, economic growth, and social integration with district residents, and further make Dobong-gu sustainably developed. Despite the difficulties arising from COVID-19, we have strictly followed the precautionary rules of operation for COVID-19, such as social distancing and pre-post quarantine.

Period July 14 - 30, 2020, 10:00 - 12:00 (Tuesday and Thursday)

Place Dobong-gu office, Ginkgo tree Room (B1F)

Number of completion persons / Applicants 30/41



Dobong University of Sustainable Development class-1



Dobong University of Sustainable Development class-2

Competition project of the program for ESD

The Competition project of the program for ESD, which started in 2018, is contributing to spreading awareness of sustainable development in the region and strengthening the capacity of district residents to practice sustainable development.

Period May - November, 2020

Project target Private bodies, private organizations, corporations, public institutions, etc.

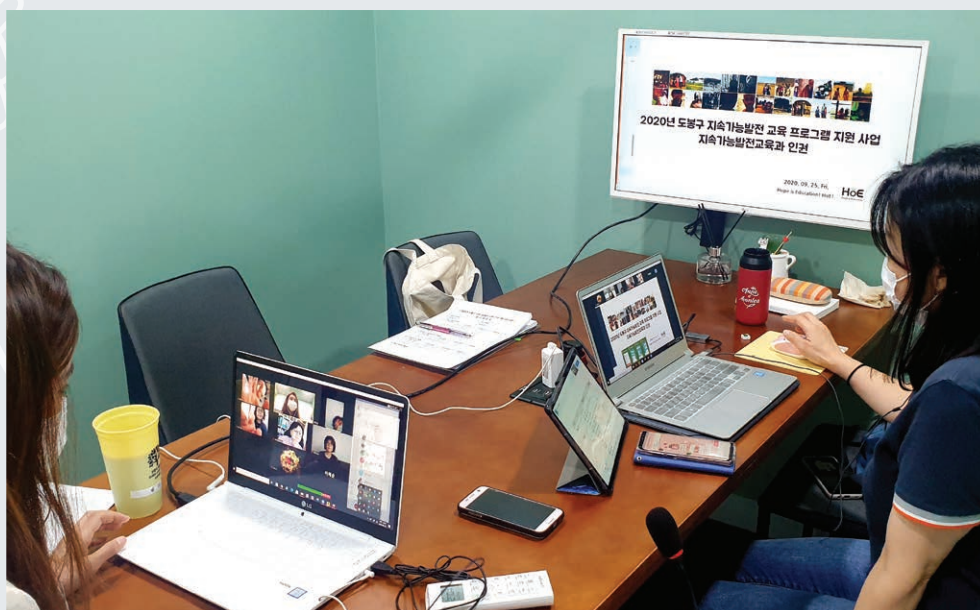
Contents of support Support for operating expenses for educational programs related to social, economic and environmental sustainability

※ Training expenses such as lecturer fees, textbooks and materials, public relations fees, and operating expenses

Supported areas SDG 1-7, 11, 13-15, 17 (program of ESD related to human, Earth, and partnership)



Face-to-face ESD class



On-tact ESD class



2020

RCE도봉

2020
RCE Dobong
Annual
Report

연간 보고서





FOOTPRINT TWO.

2020

RCE Dobong Story



① Year 1 Project:
ESD textbook production

② RCE logo production

③ Domestic and foreign RCE networks →



Domestic and foreign activities of RCE networks

1) Webinar of RCE cities in Asia-Pacific region

Theme COVID-19 response cases based on sustainable development education behaviors of RCE cities in Asia pacific region

Date May 14 (1st), June 9 (2nd), June 11 (3rd), 2020

Host-organizer UN University, RCE Srinagar (Srinagar, India), RCE Greater Western Sydney (Greater Western Sydney, Australia)

Participation method Zoom platform

Presentation contents Dobong-gu case of blocking the spread of COVID-19 and overcoming the crisis in the local community

2) Webinar of IDRR in Asia-Pacific region

Theme Disaster Risk Reduction (DRR) Preparedness, COVID-19 and Sustainability

Date October 13, 11:00 - 13:00 (JST)

Host-organizer UN University, RCE East Kalimantan, RCE Srinagar, RCE East Java (Candidate)

Participation method Zoom platform


Presentation contents Sharing Dobong-gu's disaster mitigation cases



Case presentation of Dobong-gu

RCE Dobong-Gu

1. A sudden, unpredictable occurrence
2. To prepare various scenarios for disaster occurrence with communities
3. Build a new disaster education system



Abdhesh Kumar Gangwar

DRR of Dobong-gu

3) Published in the webinar report

Date September 7, 2020

Contents of publication A case of response to COVID-19 based on ESD actions

· Published on the RCE network homepage



Webinar report-1



REPUBLIC OF KOREA RCE DOBONG-GU

RCE Dobong-gu is a government-led RCE. Taking advantage of the government-led strength, RCE Dobong-gu is systematically responding to COVID-19, along with various institutions and local residents in the community. Below is the summary:

- Health: Carrying out screening, providing the free mobile app for self-isolators, giving free hand sanitizers and masks to residents, disinfection of apartments, buildings, and space in Dobong-gu district.
- Promotion: Promoting posters, social media to inform COVID-19 response, posting daily on the website of the Dobong-gu office to inform the statuses of COVID-19, campaign propulsion for 'a good mask sharing' by donating masks to needy neighbours.
- Online engagement: Meetings changed to online (especially governance meeting included Dobong-gu office and civilian).
- Education and culture: Opening free online classes like MOOCs, holding live music streams and virtual concerts to watch online.

Presented by: Dr Bae Hyunsoo

Webinar report-2

4) The 13th Asia Pacific RCE regional meeting

The 13th Asia-Pacific RCE regional meeting was held in RCE Kyrgyzstan in Central Asia. This year, due to COVID-19, the RCE regional meeting was held four times in a form of webinar. RCE Dobong presented cases of the first-year project, 'Textbook Production for Education for Sustainable Development' and the response to COVID-19 based on ESD actions.

Theme Building capacity for Sustainability

Period September 10 (1st), September 24 (2nd), October 8 (3rd), October 22 (4th), 2020

Host-organizer UN University, RCE Kyrgyzstan

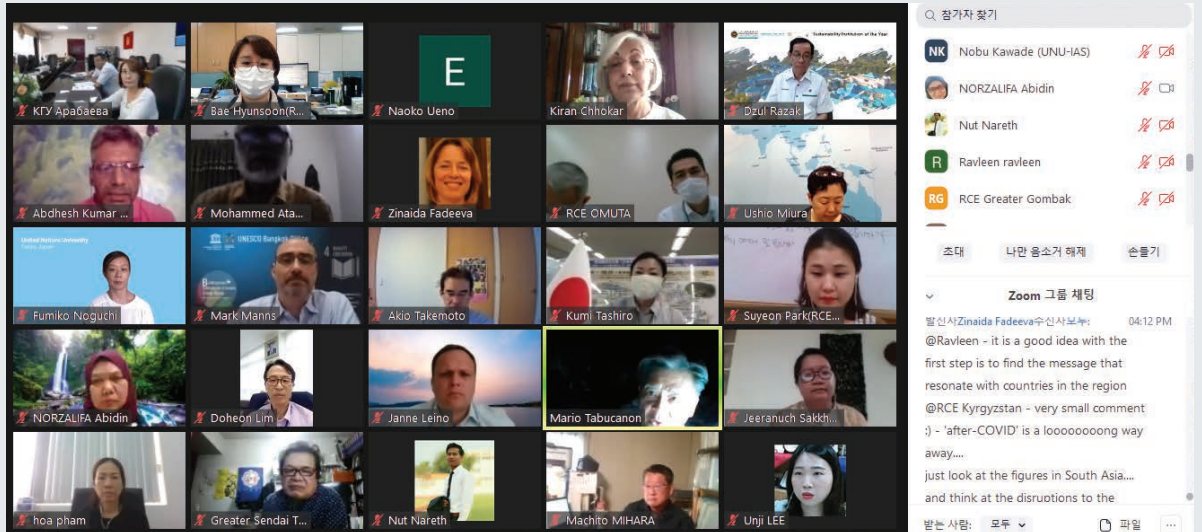
Participation method Zoom platform

Presentation contents First year project of RCE Dobong, response to COVID-19 of RCE Dobong Based on ESD

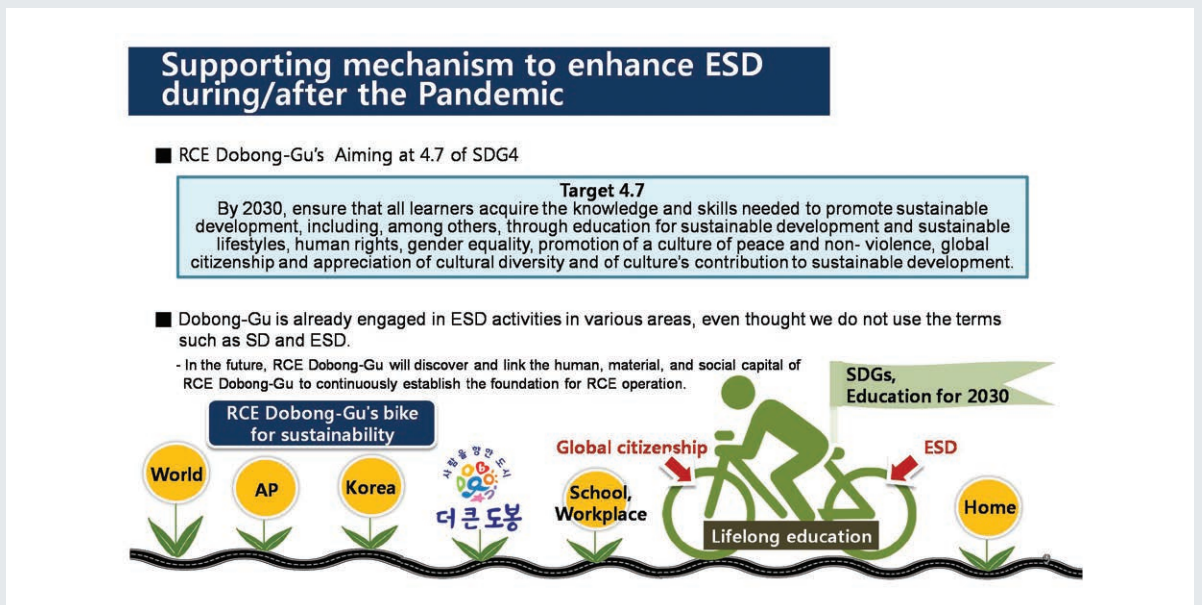




Case presentation of Dobong-gu



Full scene photo of webinar



RCE Dobong concept – Bicycle towards sustainability

5) Green Consumer's Day

In the webinar on the Green Consumer Day, we presented a good case compatible with environmental protection for the next generation through sustainable consumer behavior on the importance of green consumption and SDG 12 (sustainable production and consumption) in eight RCE cities in six countries, and shared the information.

Theme Making right Choices, Becoming a Responsible Consumer

Period September 28 - 29, 2020

※ Participation of Dobong-gu: September 29

Host-organizer UN University, RCE East Kalimantan, RCE Srinagar

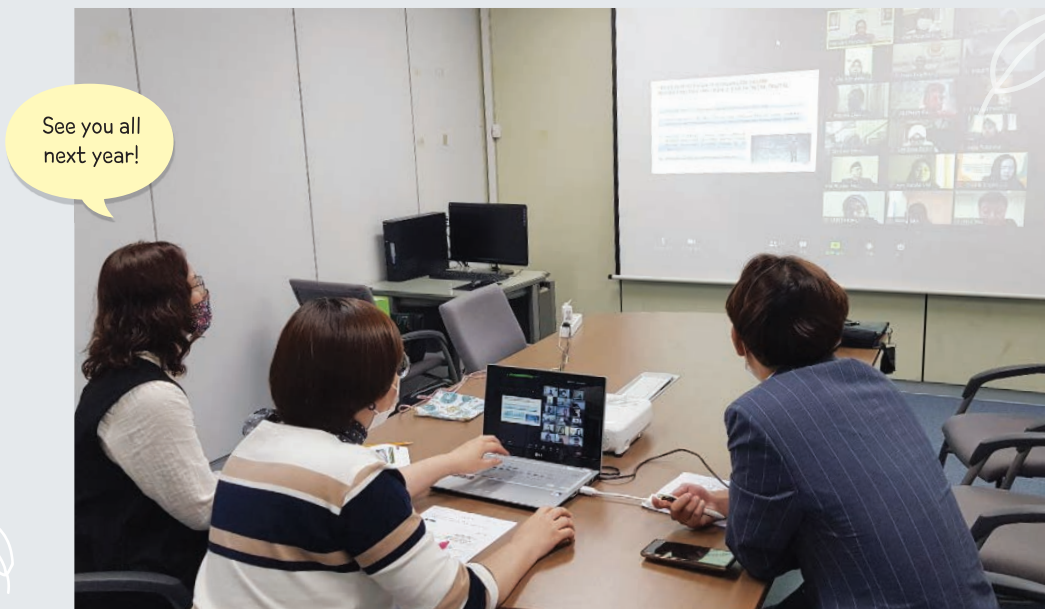
Participation method Zoom platform

Presentation contents

- Green Buddy, an environmental cafe
 - Presenter: Yang Yoon-sik, Team leader of Dobong Regional Self-Sufficiency Centre
- Making eco-friendly masks
 - Presenter: Kim Mi-young, Chief director of Dobong village education social cooperative 'Hamdarak'



Green consumer day presentation-1



Green consumer day presentation-2

6) The 12th Tongyeong ESD International Forum · The 15th UNESCO ESD Colloquium

Theme New normal era, Korea, Education and partnership for sustainable development

Date October 30, 2020., 13:30 - 15:10

Host-organizer Korean commission for UNESCO, Tongyeong city ESD centre

Participation method Youtube live broadcast

Presentation contents RCE Dobong project

제12회 통영ESD국제포럼 제15차 유네스코 ESD 콜로키움 | 도봉RCE와 지속가능발전교육 | 도봉RCE 배현순 주무관

제12회 통영 ESD 국제포럼
제15차 유네스코 ESD 콜로키움



도봉RCE와
지속가능발전교육(ESD)

도봉구청 지속가능발전과
배현순 주무관




Case presentation of Dobong-gu

7) Exchange with Asia-Pacific RCE cities

RCE Kitakyushu is a city which provided RCE Dobong with a lot of information and assistance when we received the UN University RCE certification. For the first time this year, members of Dobong-gu office, Dobong-gu Sustainable Development Committee, and RCE Kitakyushu ESD Council members met on a LAN line to discuss the education for sustainable development.

Theme Dobong-gu and Kitakyushu's ESD activities in the COVID-19 situation

Date December 12, 2020., 14:00 - 17:00

Organize RCE Kitakyushu ESD council

Participation method Zoom platform

Exchange contents

Current status of RCE Dobong and RCE Kitakyushu, ESD operation status in COVID-19 situation, future direction of ESD operation, LAN line tour, etc.

※ RCE Kitakyushu: Location in Fukuoka, Japan, a world-class environmental city and RCE city (citizen-centered), Global Lifelong Learning City (GNLC), participated and presented at the 2019 Dobong RCE international forum

In addition, we conducted case submissions on SDG4 (Quality education for all) in Asia-Pacific region (a case of education for public officials in Dobong-gu for sustainable development, April 29, 2020), UNDRR GETI, DESA and UNOSD webinar (June 10, 2020), and participated in indigenous people day webinar (August 10, 2020) and world youth day webinar (August 12, 2020).



Preliminary meeting for exchange meeting



Case presentation of Dobong-gu



Exchange between Dobong-gu Sustainable Development Committee x RCE Kitakyushu ESD council

RCE Dobong, continuing the line for Year 2021

In 2021,

we will continue the sustainable line of RCE Dobong

through the textbook of '17 promises from our village to planet Earth',

through 'Youth activities', and

through the 'Domestic and foreign networks'.



