

Local actions and collaboration for carbon neutrality in the Republic of Korea

Jeongyeon Park

Director



**LOCAL GOVERNMENT ASSOCIATION
FOR CLIMATE & ENERGY TRANSITION**

2021.11. 24.

Local Government Association for Climate & Energy Transition

4th Executive Committee (until 31 December 2021)

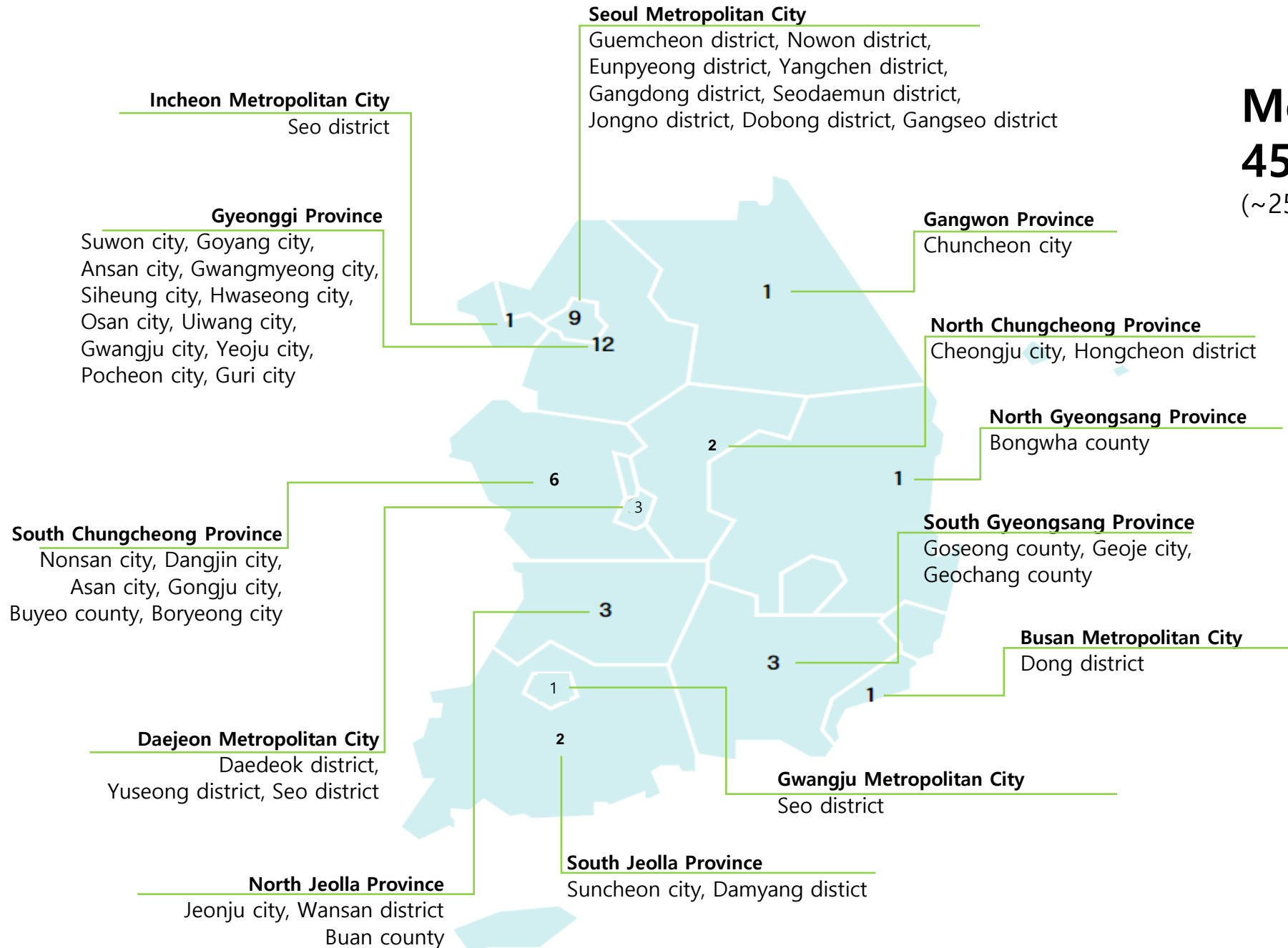


Chairperson	Lee Jae Joon	Mayor of Goyang city
Vice-chairperson	Park Jeong Hyun	Mayor of Daedeok district
	Kweon Ik Hyeon	Mayor of Buan county
	Yoon Hwa Seob	Mayor of Ansan city
Secretary General	Park Seung Won	Mayor of Gwangmyeong city



Members: 45 Local Governments

(~25th October 2021)



About Association

- 45 local governments focus on **tackle climate crisis** and promote **energy transition** to **distributed renewable energy system**, **energy decentralization**, **energy independence** and **just transition** in local communities by mutual cooperation with central governments, energy-climate related organizations, citizen societies, and other local associations.
- In January 2019, 3rd Local Government Association was launched and started proactive project and cooperation. Also, Local Energy Transition Network led by citizen societies in national wide was set up and consistently has made cooperation with the association.
- For local governments, governance with central governments and citizen is needed to strengthen the capacity and to be leading player for local energy transition and tackling climate crisis. LGACET will cooperate with various players and try to contribute for 2050 local carbon neutrality.



What we Do

- To support local governments with following work after '**Climate Emergency Declaration**'
- To participate in discussion for **2050 Local Carbon Neutrality Plan** which prioritizes tackling climate crisis and make momentum for local governments to lead carbon neutrality at local level
 - **by delivering political opinion to central government and Carbon Neutrality Committee**
 - **by cooperating with national assembly for system, instruction and law improvement**
- To enhance local capacities **especially for establishing Local Climate-Energy Center (or Carbon Neutrality Center)**



- To support local governments **to build political capacity for transition to carbon zero society**
- **To cooperate with various agencies, organizations, civil societies, and other local associations from various fields**
 - **by collecting opinion on climate & energy transition**
 - **by organizing international/domestic event like conference, seminar, meeting to collect the voice and coordinate various opinions**
 - **by leading various projects to improve local acceptance**
- To enhance online activities and promotions due to prolonged COVID-19
 - by making videos on Youtube channel to introduce practices at local level



we declare the following:

1. We declare that this is a time of climate emergency.
2. We set the goal of reducing greenhouse gas emissions to maintain a global temperature increase of less than 1.5 degrees Celsius and work proactively towards that goal.
3. We urge the national government and National Assembly to promptly proclaim a state of climate emergency and declare their commitment to Carbon Neutrality 2050.
4. We shall expand the use of renewable energies to respond to the climate crisis, establish plans for attaining energy independence, and work for their phased implementation.
5. In partnership with our citizens, we shall arrange an effective institutional system to overcome the crisis of sustainability and operate it responsibly.

June 5th, 2020

Province or City	Town, County or District	Position	Name	Signature
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1st EU-Korea Local Government Webinar

Implementation of 2050 Carbon Neutrality & Climate Budget by Local Governments

2021. 06. 08. Tuesday

Asia/Seoul 15:30~17:30

Europe/Oslo 08:30~10:30

 **YouTube** Live-streaming [EU-Korea Climate Action](#)

Climate neutrality plans and climate budget of
Oslo as the 2019 European Green Capital

- Lan Marie Nguyen Berg, Vice Mayor for environment & transport, Oslo City

Climate and energy governance and public education

- Seung-won Park, Mayor, Gwangmyeong City

Climate and energy transition policies and
carbon-aware budgeting of lower-level local governments

- Jeong-hyeon Park, District Mayor, Daedeok District of Daejeon City

Facilitator

- Yu-jin Lee, Director, Institute for Green Transformation

※ Simultaneous interpretation for English and Korean will be provided

Organized by



Sponsored by



2nd EU-Korea Local Government Webinar

City's Responsibility & Green Transition for 2050 Carbon Neutrality

2021. 06. 09. Wednesday

Asia/Seoul 16:00~18:00

Europe/Paris 09:00~11:00

 **YouTube** Live-streaming [EU-Korea Climate Action](#)

Paris Climate Plan: Operational Roadmap to Achieve
2030 Climate Targets and Carbon Neutrality by 2050

- Dan LERT, Deputy Mayor, Paris City

Climate and Energy Policies of Goyang based on
Paris Climate Agreement

- Jae-joon Lee, Mayor, Goyang City

Jeonju's Eco-city Plan

- Seung-su Kim, Mayor, Jeonju City

Facilitator

- Yu-jin Lee, Director, Institute for Green Transformation

※ Simultaneous interpretation for French and Korean will be provided

Organized by



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광명의 미래, The future of Gwangmyeong

시민과 머리를 맞대고 만들었습니다

We have made it head-to-head with citizens

기후에너지 전담부서 신설

Establishing the department of climate crisis and energy conversion

2018년 9월

지방자치단체 최초

First among the local governments In Korea

기후에너지센터 개소

Opening of the Climate and Energy Center

2020년 5월

수도권 최초

First in the metropolitan area In Korea

기후에너지학과 개설

Establishment of Climate Energy Studies for Citizens

2020년 6월

광명자치대학 운영

Gwangmyeong Autonomous University managed by the local government for citizens

시민과 함께 기후위기 극복

Efforts to cope with the climate crisis with citizens

Of the Citizens! By the Citizens! For the Citizens! 주민의 손으로 주민을 변화시키다

광명Bee에너지학교 시민강사 양성

Training some citizen instructors to teach other citizens
in Gwangmyeong Bee Energy School (curriculum)

20

명

지역 변화를 촉진하는 녹색일자리창출

Number of green jobs created
to promote regional change



시민과 함께 기후위기 극복

Efforts to cope with the climate crisis with citizens

The Citizens create their own future by themselves **주민 스스로 미래를 만든다**

시민강사, 기후에너지 시민교육

Trained Citizen Instructors, teaching the other residents,
climate energy for citizens

언제, 어디서나 기후에너지 교육

Providing high-quality climate energy education
to citizens, at **anytime & anywhere**

26

 개 학교

Number of schools at each
level that open climate
education



Creation of the Daedeok-gu Energy Transition Platform "Energy Café"



The starting point of local energy transition, fostering activists by creating energy cafes, and conducting energy transition education;

→ To create an energy independent society, it is a platform that plays a role in citizen participation and communication as a combined form of **Cafe (commercial space) + local energy center (shared space)** for all residents;



The First Store
**And
Brunch cafe**



The Second Store
**Dalgerak
cafe**

The third Store
**Net-Zero
Public Market**



RE100 Campaign



Daedeok-type RE100 agreement with companies promising to expand renewable energy to achieve carbon neutrality in 2050

- (Concept) A preemptive and voluntary campaign in which an enterprise within its jurisdiction declares that it will use 100% of its electricity for renewable energy,
- (Target) Companies with at least five employees located in the jurisdiction;
- (Goal) More than 12 companies per year
- (Contents of Agreement)
 - (Goal) 60% by 2030, 100% by 2040
 - (Participating Enterprise) Voluntary obligation to achieve renewable energy goals
 - Administrative support for the installation of renewable energy generation facilities



1호 기업 | 태양이 만든 막걸리
신탄진주조



2호 기업 | 인조가발수출기업
세형정밀

[Global RE100] Voluntary campaign led by the international organization "CDP Committee" to declare that companies that consume more than 100 GWh (0.1 TWh) of electricity annually will use 100% of their electricity as renewable energy by 2050.

02

Development of GHGs reduction plan to comply with the Paris Agreement



Lay the institutional foundation

- Develop environmental policies complying with the Paris Agreement (6 areas, 17 strategies, 54 goals, and 92 tasks)
 - ➔ Mitigation target: Reduction of its GHG by 32.8% from 2030 BAU
- Enacted the climate change response ordinance (August, 2020)
 - ➔ Check the progress of 92 tasks to reduce carbon emissions





Conservation of the Janghang Wetland its inscription on the Ramsar List

- The Janghang Wetland was included to EAAFP (May, 2019)
- Effort to conserve the Janghang Wetland with citizens
- MOU among International Crane Foundation (ICF), Goyang, Suncheon, Chulwon Inscribed on the Ramsar List (May, 2021)



Absorb more than 7,490 tons
of CO₂ annually



Achieve a vision of city for green buildings by laying the foundation for building eco-friendly buildings



Increasing energy efficiency of buildings

- Enacted the 「Ordinance to support for the construction of green buildings」 and 「Goyang green building construction design standards」
- Efforts to **reduce building carbon footprint** with prompt green building transitions

Goyang projects to support the construction of green buildings

GHG emissions reduction

Green transition

Equipment cost support

Enhanced energy performance
(hermetic doors/windows,
insulation, etc.)

Green welfare

Tech/product support

Installation of low-cost and
highly efficient products with
green retrofit technologies

Green diagnosis

Energy diagnosis

Diagnosis on outdated energy
system of buildings, tech consult
to improve their energy efficiency



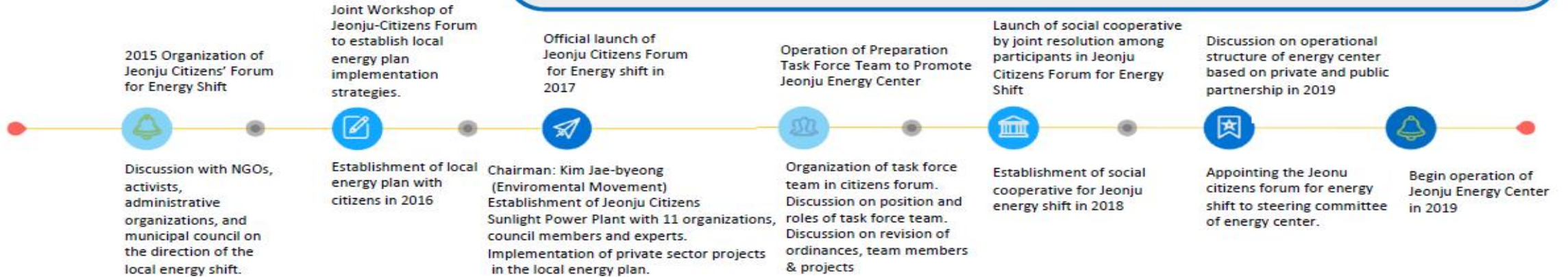
Strategies & Tasks of Jeonju Sustainable Eco-City

1. Energy Shift City

Jeonju Energy Center

*Jeonju Energy Center

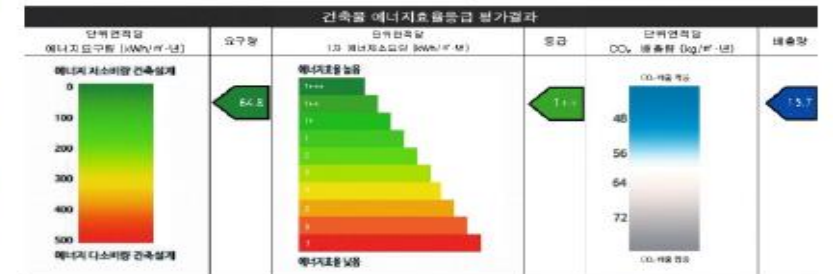
- Intermediate support organization implementing Jeonju energy policy on sites.
- Citizens partnership project, energy saving education for citizens, formation of local network, etc.
- Zero energy building certification by renovating an existing building.



- 5F 태양광·태양열 발전 소규모 옥상녹화**
- 4F 전주에너지센터 공유오피스, 공유회의실**
- 3F 다목적 교육공간 홍보·전시·체험공간**
- 2F 창작예술공간 공유작업장, 공유주방**
- 1F 시민활동 교류공간 홍보·전시·체험공간, 목카페**

건축물 에너지효율등급 예비인증서

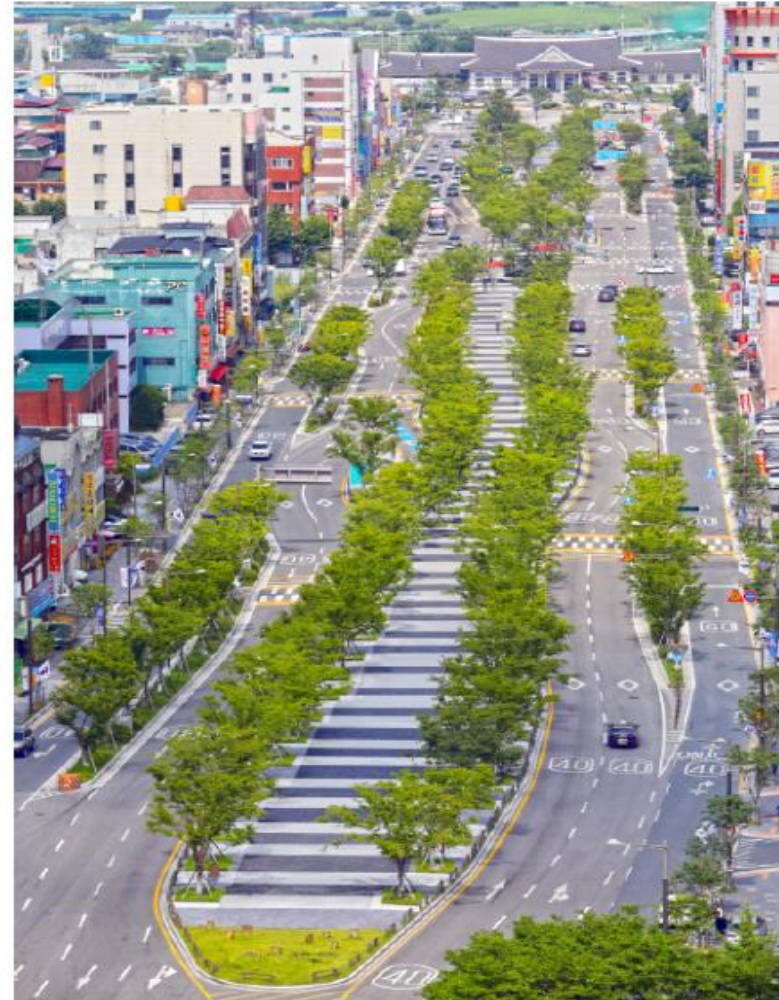
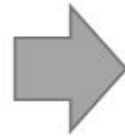
건축물 개요		인증 개요	
건축물명	: 전동오차음성 도시재생개발사업 리모델링	인증번호	: 21-41-01-144-0281
호칭번호	: 20211115	평가자	: 박주형
주소	: 전북 전주시 완산구 서노송동 500-5	인증기관	: 한국부동산원
층수	: 지하1층 / 지상5층	운영기관	: 한국에너지공단
면적	: 1549.62(㎡)	유효기간	: 사용승인 또는 사용권사 만료일
건축물의 주된 용도	: 제2종근린생활 시설		
설계자	: 화일건축사사무소		
인증 등급			
		인증등급: 1++등급	



Strategies & Tasks of Jeonju Sustainable Eco-City

2. Eco-Transport City

- Walkable City – First Pedestrian Plaza



Thank you! 감사합니다.

기후위기 대응·에너지전환 지방정부협의회

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2021.11.24



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지방정부협의회