

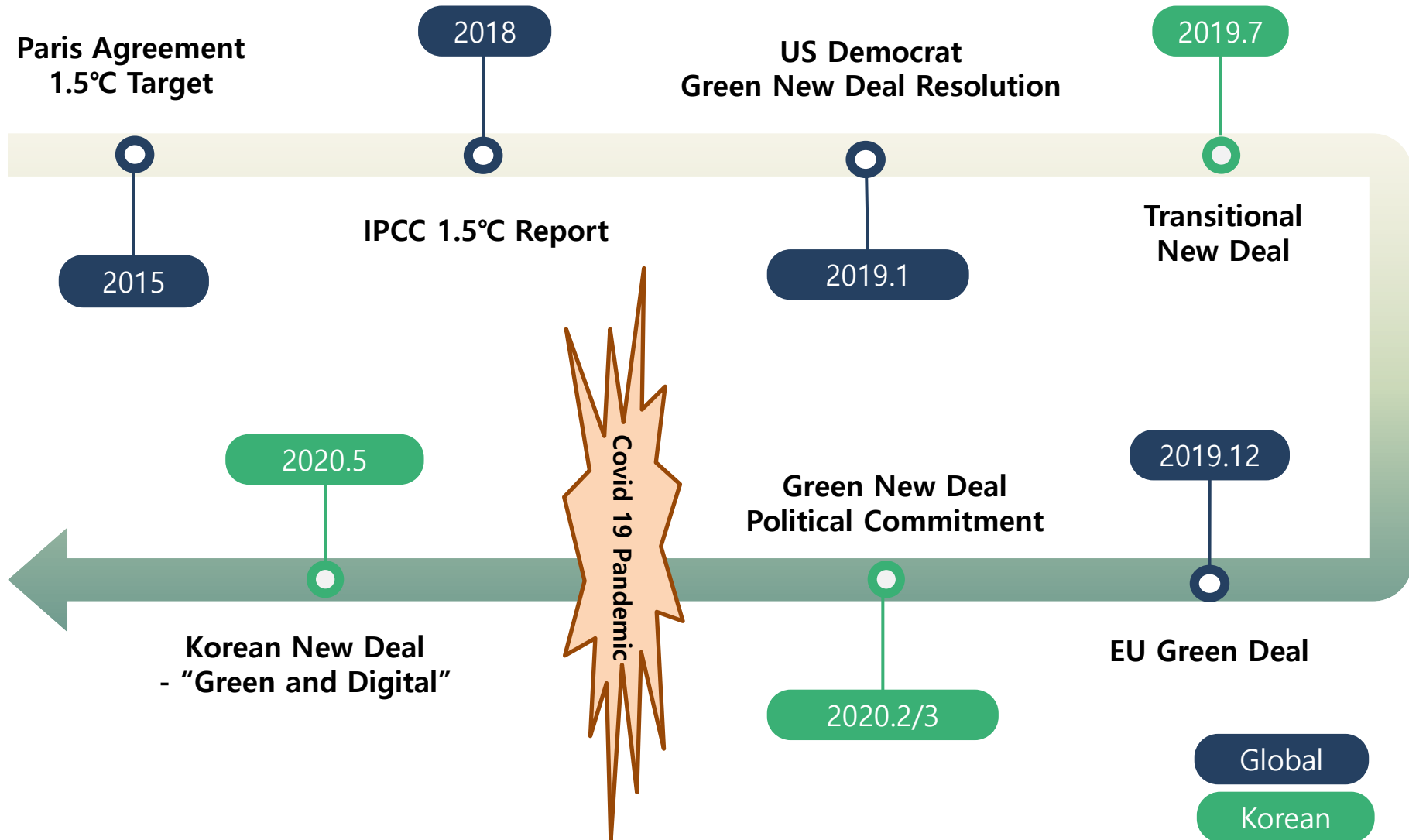
Green New Deal and Cities in South Korea

2020. 9. 24

Soojeong Myeong

KEI  한국환경정책·평가연구원
Korea Environment Institute

Green New Deal



Korean New Deal

Korean Green New Deal Project

Digital New Deal

- ▶ D.N.A Ecosystem Strengthening
- ▶ Untact Industry Fostering
- ▶ SOC Digitalization

Green New Deal

- ▶ City·Space·Life Infra's Green Transition
- ▶ Green Industry Innovation Establishment
- ▶ Low Carbon·Dispersive Energy Diffusion

Strengthening the Employment Safety Net

Financial Investment

System Improvement

D.N.A: Data, Network, and A.I.

President Moon "Green New Deal Included in Korean New Deal Project"

문재인 대통령이 20일 친환경·일자리 창출에 초점을 맞춘 "그린 뉴딜을 한국판 뉴딜 사업에 포함시키라"고 지시했다.

문 대통령은 이날 "그린 뉴딜은 우리가 가야 할 길임이 분명하다"며 이렇게 말했다고 강인서 청와대 대변인이 전했다. 문 대통령은 지난 15일 환경부와 산업통상자원부, 중소벤처기업부, 국토교통부 등을 포함한 관계 부처로부터 그린 뉴딜 사업과 관련한 합동 서면보고를 받은 뒤 "그린 뉴딜은 국제 사회와 시민 사회의 요구를 감안하더라도 인정할 필요가 있다"며 코로나19 극복을 위한 한국판 뉴딜 사업에 그린 뉴딜을 주요 사업으로 포함하라는 지시를 내렸다고 한다. 강 대변인은 "그린 뉴딜의 구체적인 사업은 3차 추가경정예산안에도 반영할 계획"이라고 덧붙였다. 그린 뉴딜은 현재 화석에너지 중심의 에너지 정책을 신재생에너지로 전환하는 등 거탄소 경제구조로 전환하면서 투자와 일자리를 창출을 뜻한다.



Korean Government (2020.7)

Korean New Deal

Green New Deal:

Infra Energy Green Transition + Green Industry Innovation → Net Zero Society

Area	Project
City, Space, Life Infra Green Transition	Transforming public facilities close to people's life into zero energy
	Restoring damaged ecosystem in land, ocean and cities
	Establishing clean and safe water management system
Low Carbon, Dispersive Energy	Increasing energy management efficiency, Building an intelligent smart grid
	Establishing a foundation for spreading new and renewable energy and supporting fair conversion
	Increasing green mobility including electric car and hydrogen car
Green Industry Innovation Ecosystem Building	Fostering green leading promising companies, Low carbon green industrial complex furtherance
	Laying the foundation for green innovation in R&D and finance

Korean New Deal

Green New Deal:

Green transition in City, Space, Daily life Infra

Project	Major Contents
Zero-energy for public facilities	Achieving zero-energy through public building remodeling
	Green smart school: public school first, applying to the old ones
Recovery of green ecosystem on land, in Ocean and Cities	Smart Green City: Customized environment improvement
	Urban forest: mitigating fine dust pollution, child safety
	National ecosystem: ecosystem restoration and protection of endangered species
Establishing a clean & safe water management system	Marine ecosystem: restoration of wetlands, marine waste management
	Smart water supply: Smart water management in the entire process
	Drinking water management: Advanced water treatment plants and Enhancing deteriorated water supply systems
	Water quantity-quality management: Integrated management of water supply sources and creating ecological waterways
	Climate risk management: Tributary flood forecasting system, seawater desalination

Cities and Green Transition

New Trend in Urban Policy

Strengthen sustainability and resilience



Transition Towns Movement

Focus on local communities
Community based green transition
Overcome climate and energy crisis
Improve urban resilience

Europe

Derive solutions to climate and environmental crises centered on the city (combination of smart and green)



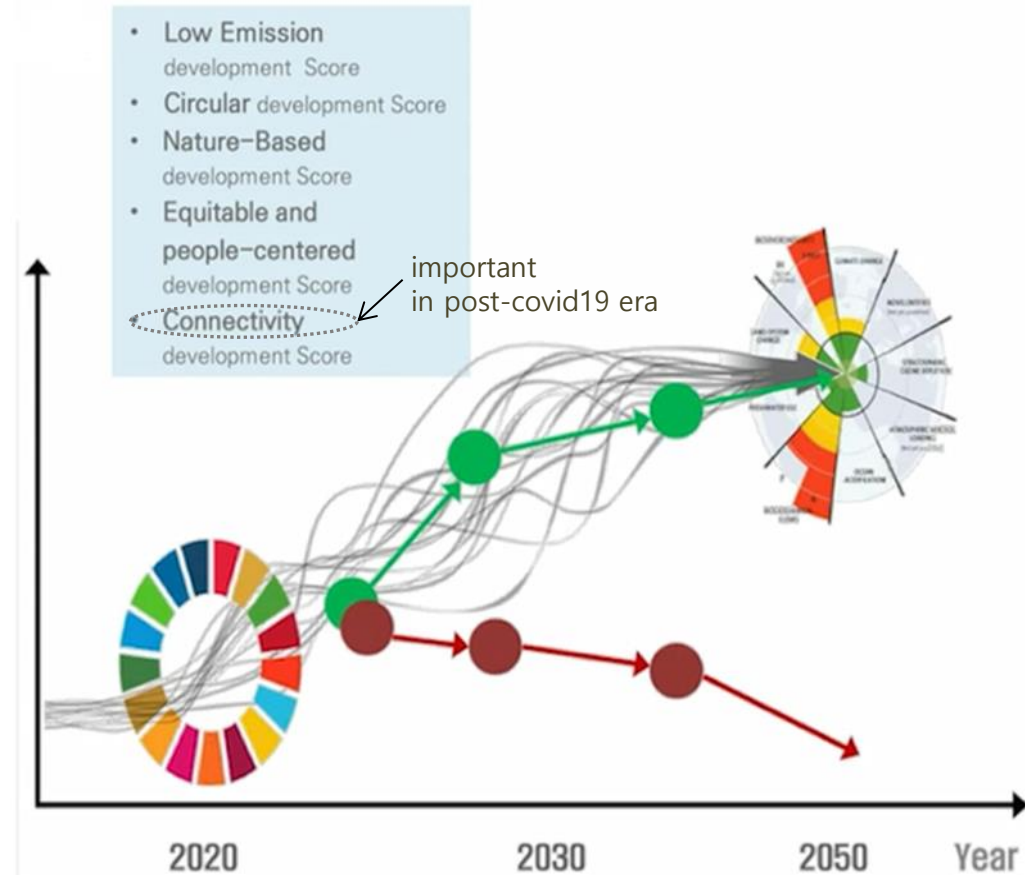
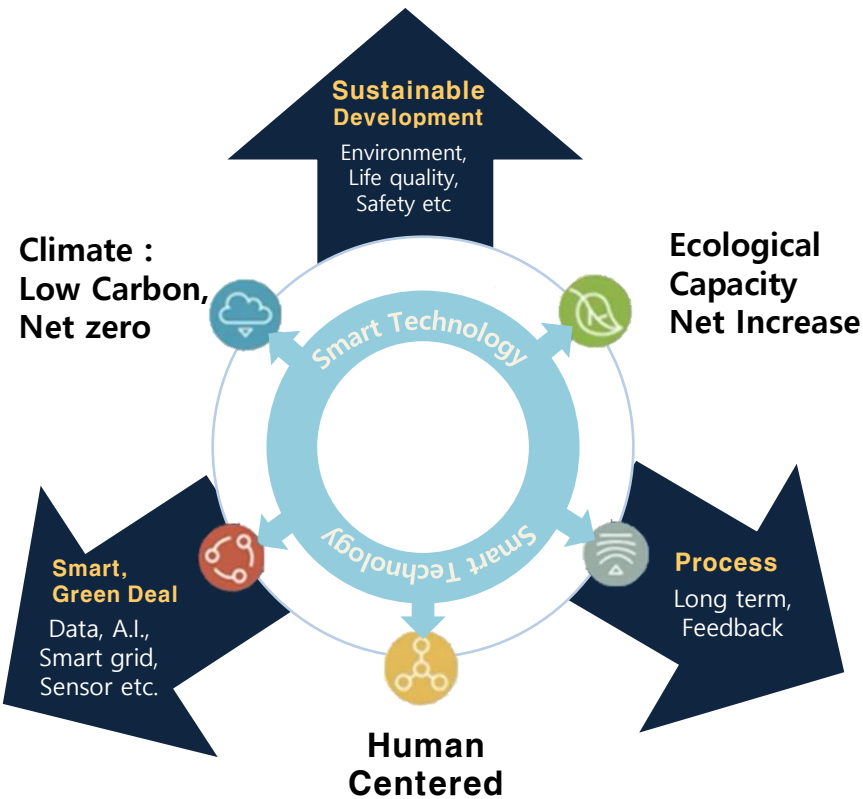
South Korea

Start promoting green transition
Declared climate crisis by local governments



Cities and Green New Deal

Vision and Goals



Cities and Green New Deal in Korea

■ Smart Green City

Green transition led by **local community** and supported by government

• Contents examples of Smart Green City



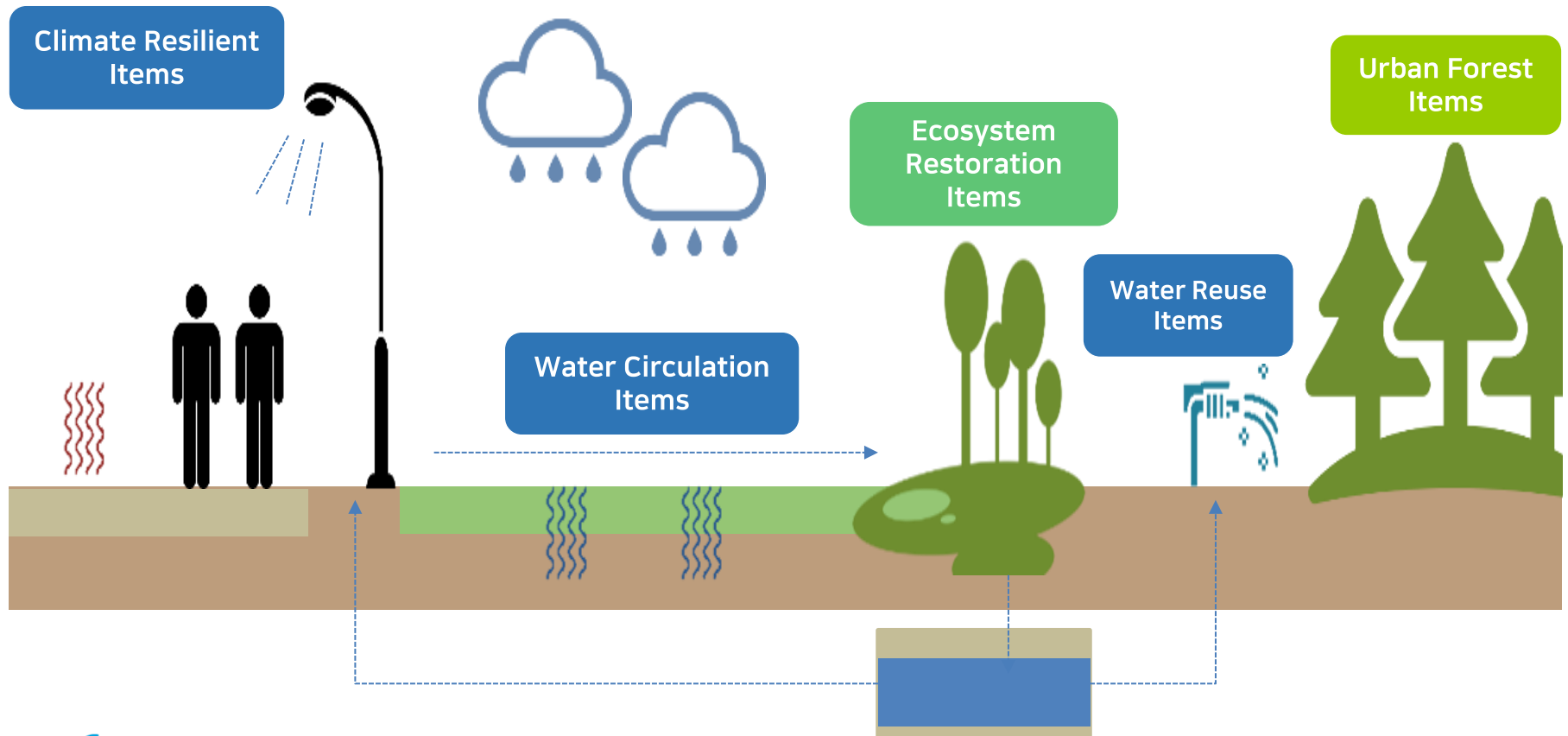
✓ **Business Innovation** Create Synergy by linking segmented environment improvement measures

✓ **Expansion of Good Practices** Develops smart city models, then the practices will be gradually applied to the entire nation and also globally

Cities and Green New Deal in Korea

Smart Green City Business Model

Cities that link various environmental improvement items and create synergy within urban spaces



Cities and Green New Deal in Korea

- **Era of Climate and Environmental Crisis**
 - Requires **Green Transition** of Cities

Green Transition of Cities

Start with Smart Green Cities

- **Collecting 25 Case Cities of Good Practices**

- **Two types**

- **Problem Solving Types**

- : Solve single or a few main issues in the city

- **Comprehensive Leading Types**

- : Address multiple urban issues, create synergy



25 cases



Entire Country



Worldwide

Thank you!!!

Soojeong Myeong
sjmyeong@kei.re.kr