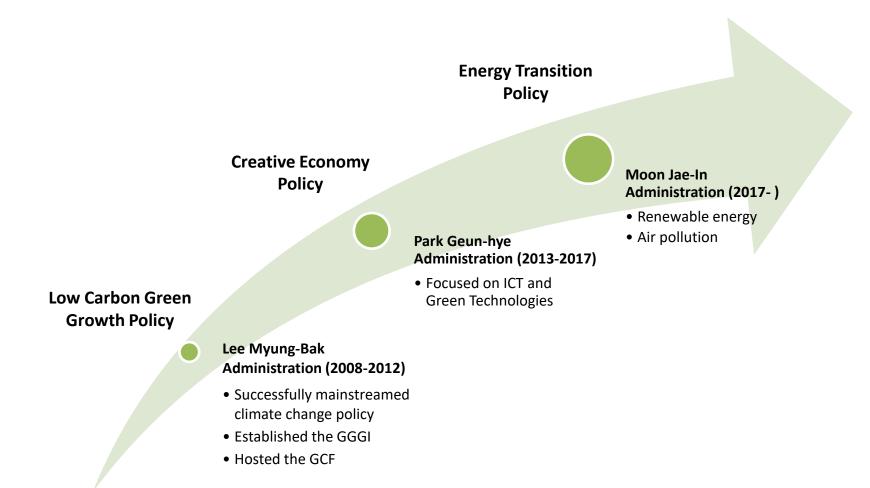
Green New Deal in Korea: status of play and its implications for developing countries

May 28, 2020 UNDP Webinar

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History of Climate Change Policy of Korea



Green New Deals: Global

2007-2008

- Response to global financial crisis
- Included in fiscal stimulus package
- Was largely successful but didn't lead to a significant greening of the economy
- G20.

2020

- Response to impact of COVID-19
- The stimulus and recovery plans need to focus on a new, more sustainable, inclusive and resilient economic model, supporting a 'just transition' from our current patterns of economic activity
- G20 (Green, Health, Digital, etc)
- More need to assist developing countries

Korea's Green New Deal Recovery Plans



President Moon

- announced Green New Deal will be included together with Digital New Deal as recovery plans (May 20)
- A continuation of previous Green Growth Policy with a difference of focusing on resilience, and job creation.



Petersburg Climate Dialogue XI (April 28)

- Environment Minister Cho introduced plans on Green Transition and Early Shutdown of Coal Power Plants in the context of recovery plans
- Net Zero policy



Ruling Democratic Party of Korea (DPK)

• announced its plans to submit approximately total 300 billion USD (355 trillion KRW) Green New Deal Plan to National Assembly including 3 billion USD (3.6 trillion KRW) Plan for this year.

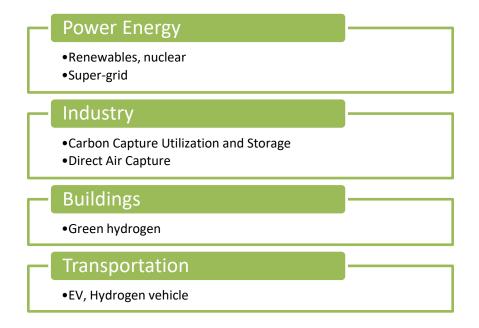
Net Zero (MOE)

5 scenarios: 40% ~ 75% reduction relative to 2017 level (source. MOE, 2019)

| 구 분 | | | '17년 현황 | 포럼 검토안 '50년 목표 | | | | |
|-----|----------|-----|------------|----------------|-------|-------|-------|-------|
| | | | | 1안 | 2안 | 3안 | 4안 | 5안 |
| | 배출량 | | 709.1 | 178.9 | 222.0 | 279.5 | 355.9 | 425.9 |
| 국가 | 감축량 | | - | 530.2 | 487.1 | 429.6 | 353.2 | 283.2 |
| | 감축률 | | - | 75% | 69% | 61% | 50% | 40% |
| 부문별 | 전환 | 배출량 | 252.3 | 24.8 | 28.9 | 71.4 | 75.6 | 125.3 |
| | | 감축량 | - | 227.6 | 223.5 | 180.9 | 176.7 | 127.0 |
| | | 감축률 | - | 90.2% | 88.6% | 71.7% | 70.0% | 50.39 |
| | 산업 | 배출량 | 259.9 | 89.7 | 124.1 | 132.2 | 200.7 | 211. |
| | | 감축량 | - | 170.3 | 135.8 | 127.8 | 59.3 | 48.9 |
| | | 감축률 | - | 65.5% | 52.3% | 49.2% | 22.8% | 18.89 |
| | 건물 | 배출량 | 52.8 | 17.5 | 18.8 | 20.3 | 21.4 | 22.5 |
| | | 감축량 | - | 35.3 | 34.0 | 32.5 | 31.4 | 30.3 |
| | | 감축률 | - | 66.8% | 64.4% | 61.6% | 59.5% | 57.39 |
| | 수송 | 배출량 | 98.3 | 26.3 | 28.8 | 33.8 | 36.0 | 40.0 |
| | | 감축량 | - | 72.0 | 69.5 | 64.6 | 62.3 | 58.4 |
| | | 감축률 | - | 73.3% | 70.7% | 65.7% | 63.4% | 59.49 |
| | 폐기물 | 배출량 | 16.8 | 9.1 | 9.4 | 9.6 | 9.8 | 10.0 |
| | | 감축량 | - | 7.8 | 7.4 | 7.3 | 7.0 | 6.9 |
| | | 감축률 | - | 46.1% | 43.9% | 43.2% | 41.9% | 40.79 |
| | 농축 어업 | 배출량 | 24.1 | 21.8 | 22.2 | 22.5 | 22.8 | 22.8 |
| | | 감축량 | - | 2.3 | 1.9 | 1.6 | 1.3 | 1.3 |
| | | 감축률 | - | 9.5% | 7.8% | 6.6% | 5.5% | 5.49 |
| | 탈루 등 | 배출량 | 4.8 | 7.3 | | | | |
| | 산림 | 흡수량 | - | 17.6 | 17.6 | 17.6 | 17.6 | 13.0 |

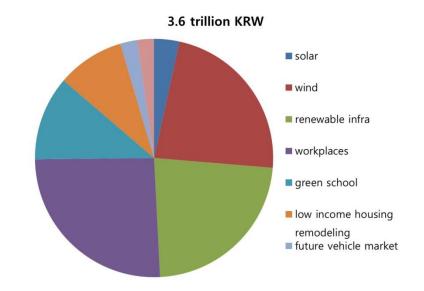
* '50년 감축량 및 감축률은 '17년 대비 기준

Recommended Reduction methods



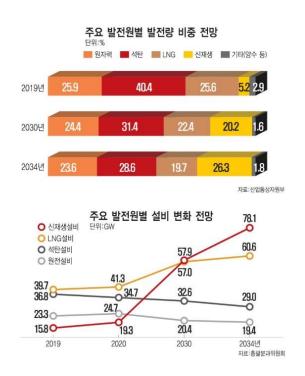
New Deal Plans of Ruling Party (DPK)

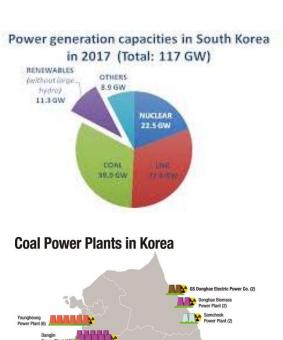
- Overcoming climate risks and job creation by green new deal (May, 2020)
 - 23 projects in 6 sectors (power energy, industry, buildings, transportation, regional base, others)
 - 3.6 trillion KRW budget increase for this year

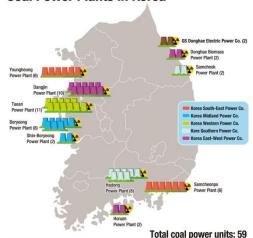


Coal Power Plants (MOTIE)

- 9th power plan (draft) (MOTIE)
 - 14 coal power plants to be shut down by 2034







Hydrogen Economy (MOTIE)

- Roadmap of Promotion of Hydrogen Economy (2019. 1, MOTIE)
 - 6.2million Hydrogen Vehicle production capacity by 2040
 - Fuel cell for households and power generation (17.1 GW)
 - Hydrogen production, storage and infrastructure



Challenges

Mainstreaming climate change policy

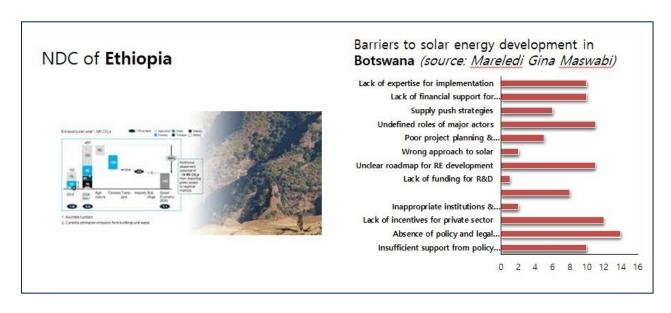
Inter-ministerial coordination (MOEF, MOE, MOTIE, etc)

Need for more active role in international cooperation

Appropriate role of stakeholders: government, organizations, experts, civil society, private sector, etc.

Lessons for Developing Countries

- Climate Change can be a main driver of Post COVID-19 recovery plan
- Mainstreaming climate policy is very important.
- Aligning national green recovery plans with international initiatives such as UNFCCC process is very helpful not only to develop appropriate national plans but also to secure more resources from outside.
- Resilience, equality and adaption are important. However, don't forget reducing GHG emissions is also important.



Thank you!

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