

International Conference on Green New Deal

# Suggestions for Korean Green New Deal

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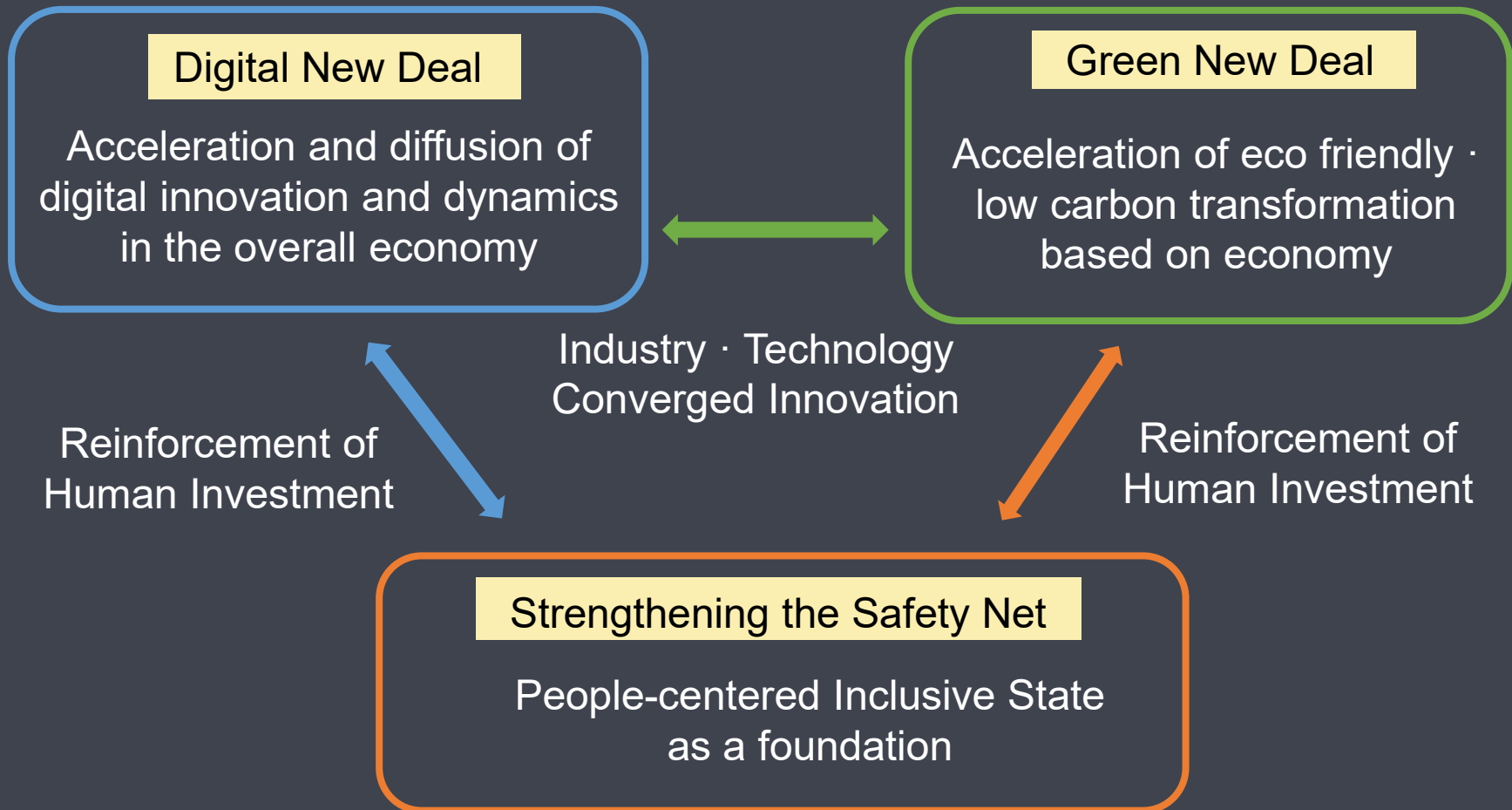
# 01. Brief Summary of Green New Deal Programs

# Korean Green New Deal

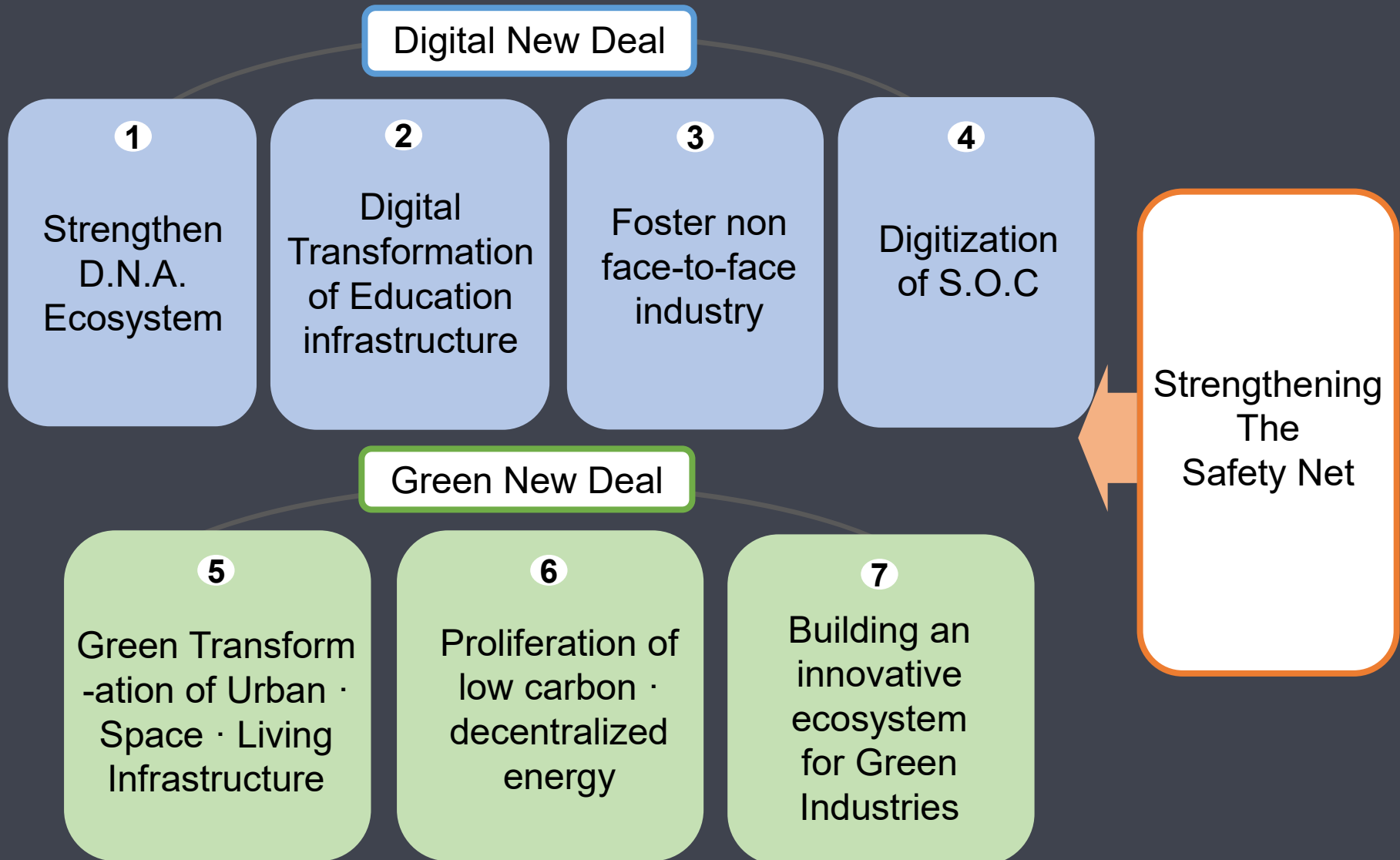


# The Structure of Korean New Deal

National development strategy overcoming crisis  
and leading global economy after COVID-19



# The Strategy of Korean Green New Deal



# US Climate Policy

# Joe Biden's Climate Plan : a Clean Energy Revolution



“Make climate change  
A core national security”

Linking economic recovery from  
The COVID-19 pandemic to addressing  
climate change

Eradicate carbon pollution from the  
power sector by 2035 and achieve  
net-zero emissions by 2050

Make a federal investment of \$1.7 trillion  
over the next 10 years on climate plan



# Joe Biden's Year One Legislative Agenda on Climate Change

## RESEARCH & INNOVATION

- Establishment of ARPA-C (Advanced Research Projects Agency focused on Climate)
- Development of CCUS (Carbon capture, use and storage)
- Enactment of national Strategy for developing low-carbon manufacturing sector

## ENERGY EFFICIENCY

- Improvement of energy efficiency of buildings (Reducing the carbon footprint of U.S. building stock by 50% by 2035)
- Incentives for retrofits Which combines clean power generation
- Alteration of housing Policies for reduction of commute times for decreasing CO2 emission

## TRANSPORTATION

- More than 500,000 new public electricity charging outlets by 2030
- Incentives on electric vehicles with tax credits
- Flexibility on using funds to develop cleaner transportation system

# Chinese Green New Deal



# Chinese Green New Deal

'2020 Major Economic Social Development Goals'  
Includes the goal of Green Development



Energy  
low-carbon  
development

Innovation in  
Energy  
consumption and  
supply systems

Strengthen  
International  
cooperation

“Environmental Protection  
makes Economic Growth”



**15% reduction** in energy consumption  
per unit of GDP



Continuous reduction in major pollutants  
emissions

# Chinese Sustainable development : the 'Green Development'

## CONVERGENCE Of INDUSTRIES

- Supporting new industries' marketization of new technology and renewable energy research
- Strengthening the protection of intellectual property rights

## SUSTAINABLE CONSTRUCTION

- Building smart cities with facilitating AI and big data
- Urbanization including eco-friendly infrastructure

# Chinese Sustainable development : the 'Green Development'

## NEW ENERGY VEHICLE

- Enhance the competitiveness of new energy car industries  
(electric vehicles, PHEVs, fuel cell vehicles)
- Introduce electric vehicles from public sectors to rural areas

## ENERGY SECURITY

- Improving efficiency of coal utilization
- Expanding renewable energy generation
- Refining the production-supply-sales system of energy

# The European Green Deal



# The European Green Deal



“Modern, Resource-efficient  
and Competitive Economy”

No net emissions of greenhouse gases by 2050

EU's greenhouse gas emissions  
reductions target for 2030  
: at least 50% and towards  
55% compared with 1990 levels

Economic growth decoupled from resource use

The European Commission's annual  
investment of 260 billion euros



Reducing emissions of greenhouse gases  
while maintaining economic growth

(2018: Emission 23% lower than in 1990, GDP grew by 61%)

# Outlines and Plans : Designing Transformative Policies

## Climate Ambition

Revising all relevant climate-related policy instruments → Ensuring effective carbon pricing and behavior change

## Clean, Affordable and Secure Energy

Revising energy and climate plans by 2019  
European Commission's guidance given in 2020  
→ Development of power focusing on renewable sources

## Mobilizing Industry

Support energy-intensive industries to decarbonize their products through circular economy action plan

## Energy-Efficient Building and Renovating

Renovating public and private buildings along with legislation related to energy performance  
→ Collaboration with multi stakeholders



# Outlines and Plans : Designing Transformative Policies

## Sustainable Smart Mobility

Increase capacity of railways and inland waterways for sustainable mobility services & alternative fuels  
→ Reducing congestion and pollution

## Environmentally Friendly Food System

Agricultural funds' contribution to climate action  
→ stimulating sustainable food consumption

## Preserving and Restoring Ecosystems

The Conference of the Parties on Biological Diversity Biodiversity Strategy from European Commission in 2020

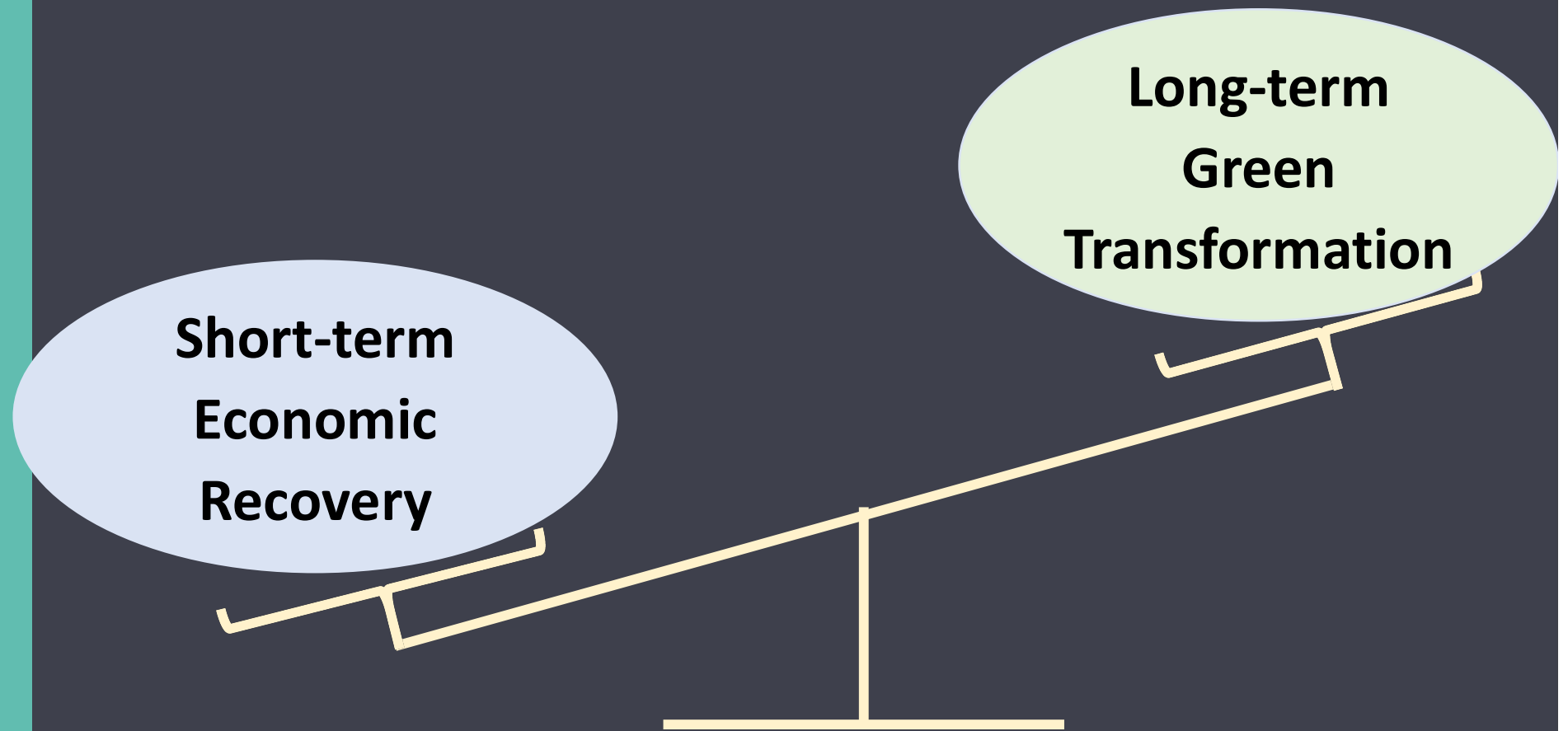
## A Zero Pollution Ambition

Revising air quality standard to align with the WHO's recommendations  
Change on EU's measures regarding climate change

02.

# Suggestion for Korean Green New Deal

# Observation: Current Korean Green New Deal



# Observation: Current Korean Green New Deal

Public-driven (Supply-driven)  
Infrastructure Policy Packages

Unclear long-term vision

- Too much weight on short term economic recovery packages (New Deal)
- Not clear about long-term vision and strategies for economic system (infra) transformation

- Declaration of Net Zero Emission is necessary condition
- Mid-term NDC plan & LEDS are not yet fully incorporated
- Long-term socio-demographic factor are not linked
- Linkage with SDGs is not visible

# Observation: Current Korean Green New Deal

## Climate Adaptation Plan

- Climate adaptation policies and plans are not visible
- Local authority participation process is to be considered
- Co-benefits of climate adaptation policies are not visible

## Investment & Financing Strategies from Private Sector

- Financing mechanism & modalities are not clear
- Incentives & dis-incentives of private sector participation are not yet fully designed
- Project development mechanism is not clear

# Suggestions for Korean Green New Deal

## Design detailed mechanism for the private sector participation

- How to participate into the digital new deal + green new deal packages
- R&D for green technologies
- PPP, SME participation

## Participatory Process & Impact Assessment

- Multi-stakeholders' participatory process & mechanisms are required
- Transparency & impact assessment process are needed
- Private sector engagement plan is necessary

## Linkage with ODA & EDCF programs

- Develop green opportunities abroad
  - Public-driven: developing countries
  - Private-driven: developed markets
- Partnership with bilateral & multilateral agencies
  - MDBs, GCF, UN agencies, bilateral donor agencies...
- Knowledge & Experience Sharing Programs
  - Upgrading existing programs (KSP, DEEP, ...)

# Economic Development Cooperation Fund (EDCF) - Project Overviews (2016-2019) -

Unit: Mill KRW

Year	Approved Value	Loan to Developing Countries										Total
		Transportation	Communication	Energy	Water& Sanitation	Environment	Health	Education	Public Administration	Agriculture& Fisheries	ETC	
2016	1,288,575	384,799	89,203	97,502	284,494	-	76,009	222,564	31,573	99,508	2,923	1,288,575
2017	1,578,955	844,219	-	95,182	70,162	-	331,099	2,339	109,662	126,292	-	1,578,955
2018	2,018,114	639,834	58,469	557,505	-	70,162	201,799	189,074	122,357	178,914	-	2,018,114
2019	2,592,698	758,044	193,433	250,575	285,311	446,178	424,481	100,566	87,336	-	46,775	2,592,698
<b>Total</b>	7,478,342	2,626,896	341,104	1,000,764	639,967	516,340	1,033,389	514,543	350,928	404,713	49,698	7,478,342
<b>%</b>	-	35.1%	4.6%	13.4%	8.6%	6.9%	13.8%	6.9%	4.7%	5.4%	0.7%	100.0%

Source: EDCF Official Homepage Data & Statistics

# Economic Development Cooperation Fund (EDCF)

## - Climate Change Response Projects -

Recipient Countries

- Strengthen capacity to cope with climate change
- Prevention of infectious diseases and improvement of overall living conditions
- Reducing GHG emissions and contributing to stable and sustainable economic growth

Rep. of Korea

- Developing business opportunities for Korean private sectors

International Community

- Cooperation in international efforts to achieve SDGs to respond to climate change in developing countries



# KOICA's Mid-term Action plans to achieve SDG13 (2019-2021)

“Development Cooperation of co-growth to promote inclusive peace and prosperity with a human face which leaves no one behind”

Increased climate action through projects

## Strategic Objective

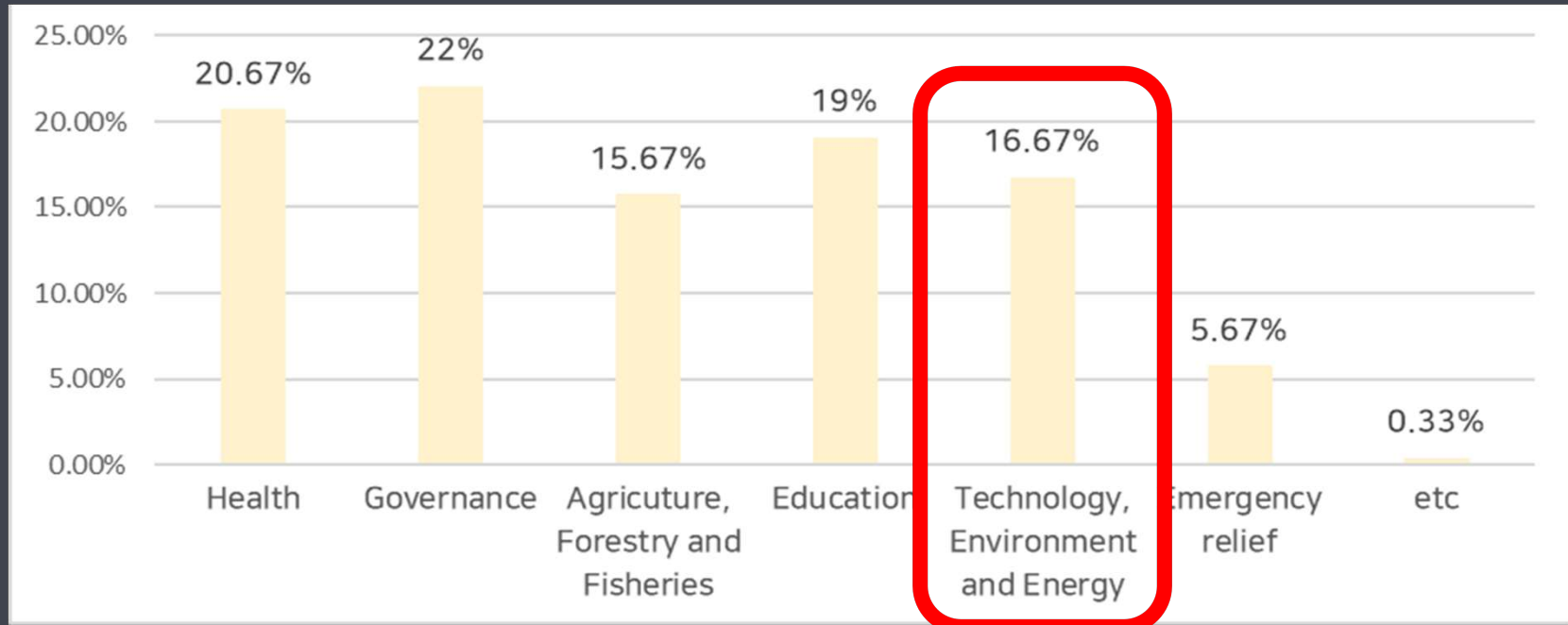
- Improving developing countries' capabilities to address climate change
- Strengthening the basis for project implementation

Reinforced management in environmental impact of climate change

Expansion of climate action partnerships

Coordination with climate resources

# KOICA's Projects by Sectors (2020)



**16.67% support in Technology, Environment and Energy sector**

THANK YOU