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Promoting Inclusive Partnerships for Green Transformation toward Carbon Neutrality

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**Division for Climate Technology Cooperation
Green Technology Center**

December 10th, 2021

Innovative Climate Action with Technology Innovation

“For Climate Action, **Technology Innovation** is essential”

UN Climate Speech of Patricia Espinosa ('19.5)
The Executive Secretary of UNFCCC



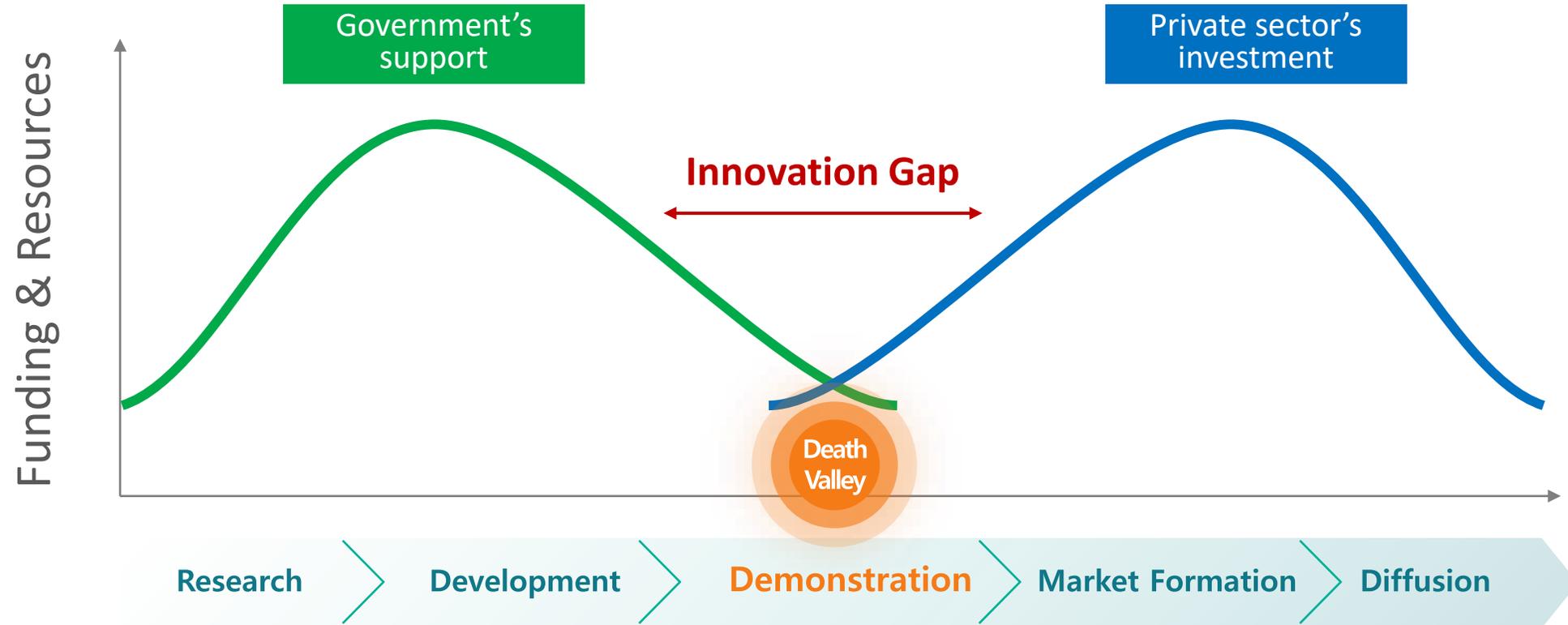
Article 10.1 of Paris Agreement ('15.12)
COP21



IPCC Special Report for Methodological and Technological Issues in Technology Transfer ('20.7)

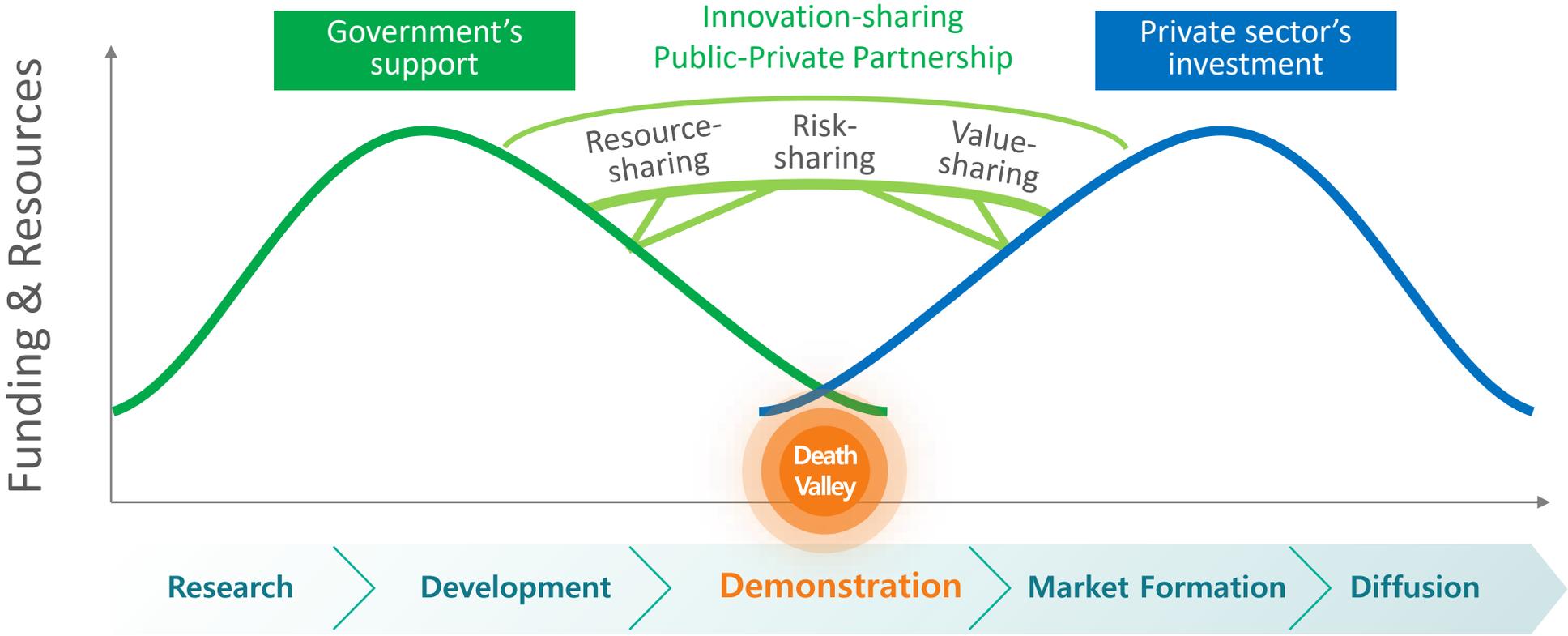


Valley of Death in Technology Innovation Sequence



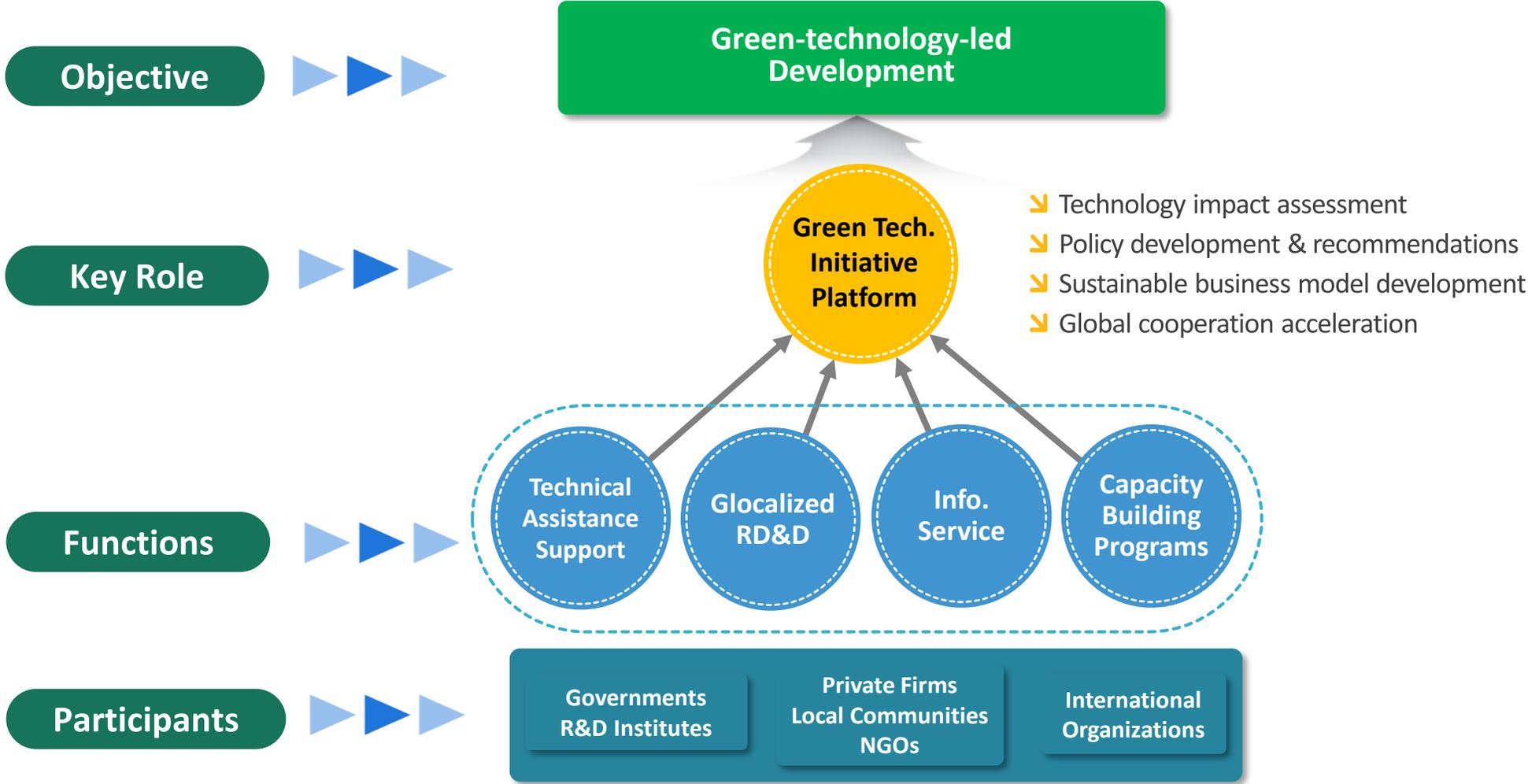
Technology Deployment & Diffusion Stage

Innovation-sharing Partnership



Technology Deployment & Diffusion Stage

Green Technology Partnership Initiative (GTPI)



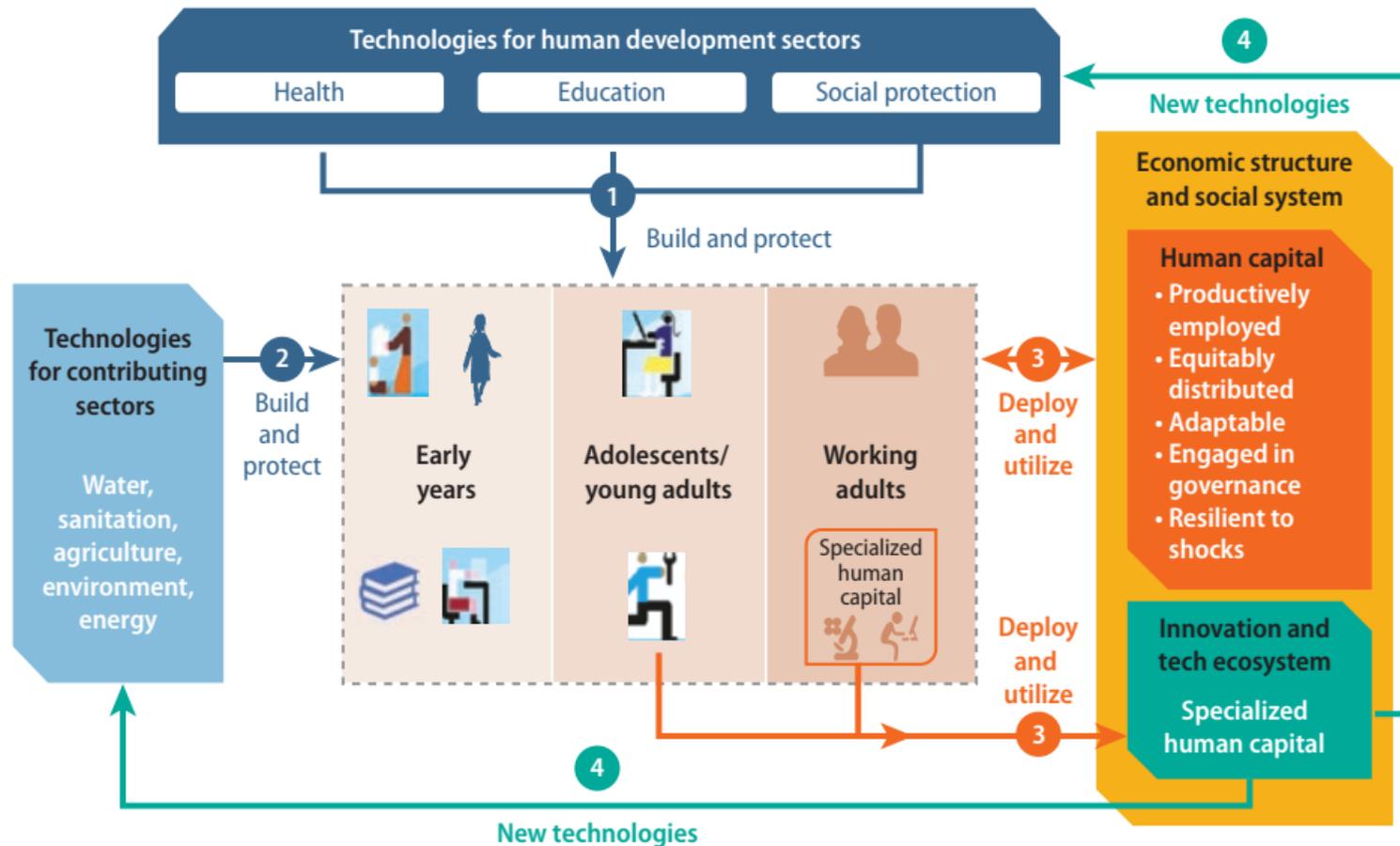
Green Technology Partnership Initiative (GTPI)



Education, the Key for Inclusive Green Growth

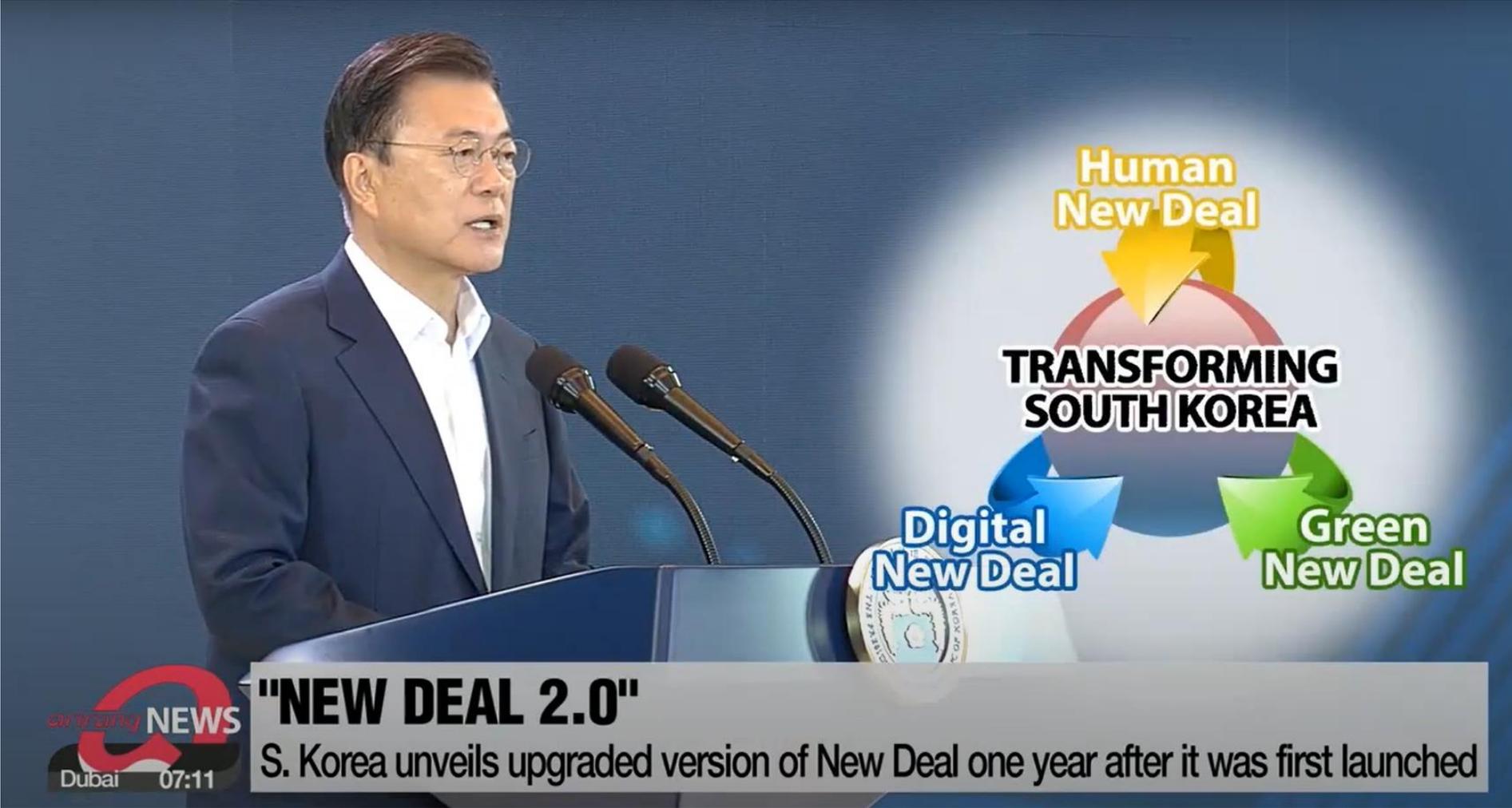
No Education = No Innovation Engine = No Growth

Ecosystem with Technology Innovation and Human Capital



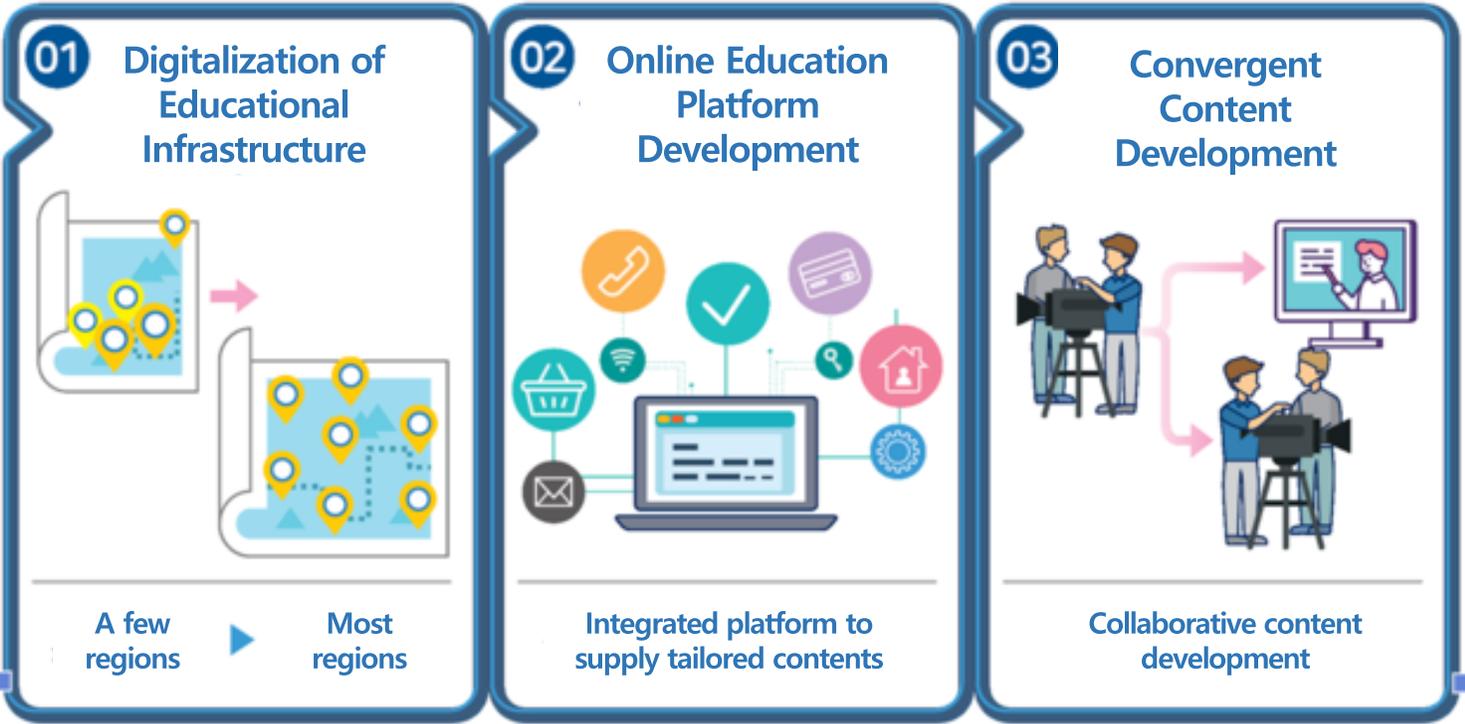
(Figure Source: World Bank 2010)

Korea New Deal 2.0 (2021.07.14)



Key Roles of Education & Training in Green Transition

1. EdTech investments enhance social inclusivity of green transition



Leverage ubiquitous digital technologies for better access to quality content and learning experiences

Key Roles of Education & Training in Green Transition

2. Human capital fosters economic value production

MK 뉴스 인쇄하기 취소

LG Energy Solution partners with Yonsei University to nurture talents in battery field

기자 | 입력 : 2021.10.21 12:14:53

△[Photo provided by LG Energy Solution]

Korea's top battery maker LG Energy Solution has joined hands with one of the country's prestigious universities Yonsei University to nurture talented professionals in battery sector to make up for labor shortage in the burgeoning industry. The company said Wednesday that the two signed an agreement on a master's and doctoral degree interdisciplinary program on secondary batteries. Successful applicants will be offered incentives like full scholarship, living expenses, and job at LG Energy Solution. The company also opened a battery-smart factory major in September in partnership with Korea University in an aggressive move to allure talents into the rising field.

H₂ Fuel Cell RD&D Cluster

Industry Clustering			
Validation & Certification			
Pilot-testing			
Expert Training			

Key Roles of Education & Training in Green Transition

3. Value-system changes of future intellectuals accelerate the internalization of green values in society and economy

그린 스마트 스쿨

교육부
Ministry of Education

Green Smart Schools

Health



Natural lighting & air circulation



Technical in-door air purification

Nature-friendly



Natural building materials



In-door & out-door gardens

Carbon-neutrality



Passive + Active Energy Building

Schools as Green Touch Materials & Experience Platforms

Key Schemes for Holistic Innovation Capacity Building

- 1. Help Awaken to the reality of climate crisis and green values.**
- 2. Ask students, “Which action do you want to make?”**
- 3. Support to experiment their innovation actions in the fields.**
- 4. Lead them to encounter with key actors in society and economy.**



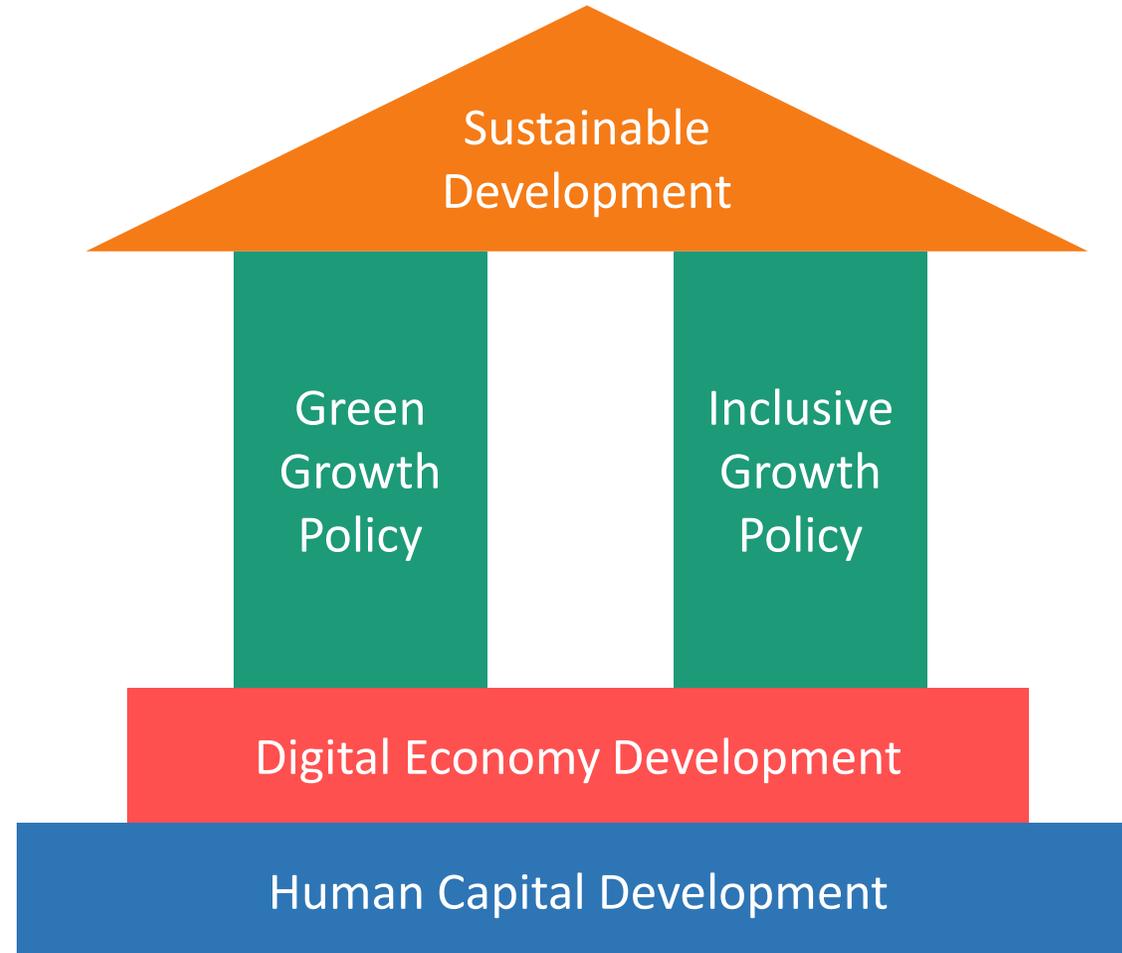
**Climate leadership to drive the green-value-based economy
beyond knowledge-based economy**

Thank you

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Global Trend for Growth Policy Framework



Necessary Capacity beyond Technology Innovation

HOLISTIC innovation facilitates green transition



Holistic Approach for Green Growth Development

Assisted to influence public consumption patterns and corporate leadership with awareness program, regulations, and incentives.

Foodwaste separation at source



(Figure Source : YPN Video)

Production of high value-added product



(Figure Source : ENTOMO)