

2018 Cambodia Outlook Conference on Science and Technology for Industrialization, Economic Growth and Development in Cambodia

-Session 1 on Successful S&T Model “Korean Science & Technology Development Experiences and Implications”

Hotel Sofitel Phnom Penh Phokeethra,
Phnom Penh, Kingdom of Cambodia

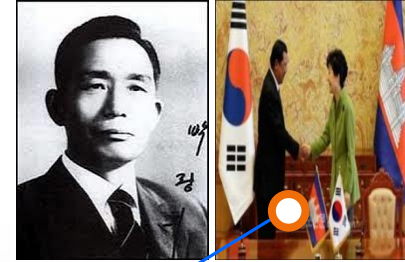
15th March, 2018

Dr. Choon Ho Kim

President

State University of New York(SUNY), Korea

Modern Korean History



Japanese
Colonization

Korean War

1950~1953

1961

“S&T”

Military Coup puts General
Park Chung-Hee in power

Korean Empire

year

~1910

~1945

~2015

90% of Required National Budget comes from Foreign Aids



“Strong S&T Leadership” from Former President Park Chung Hee in S&T became the basis of our economic development Today”

School continued during/after the War

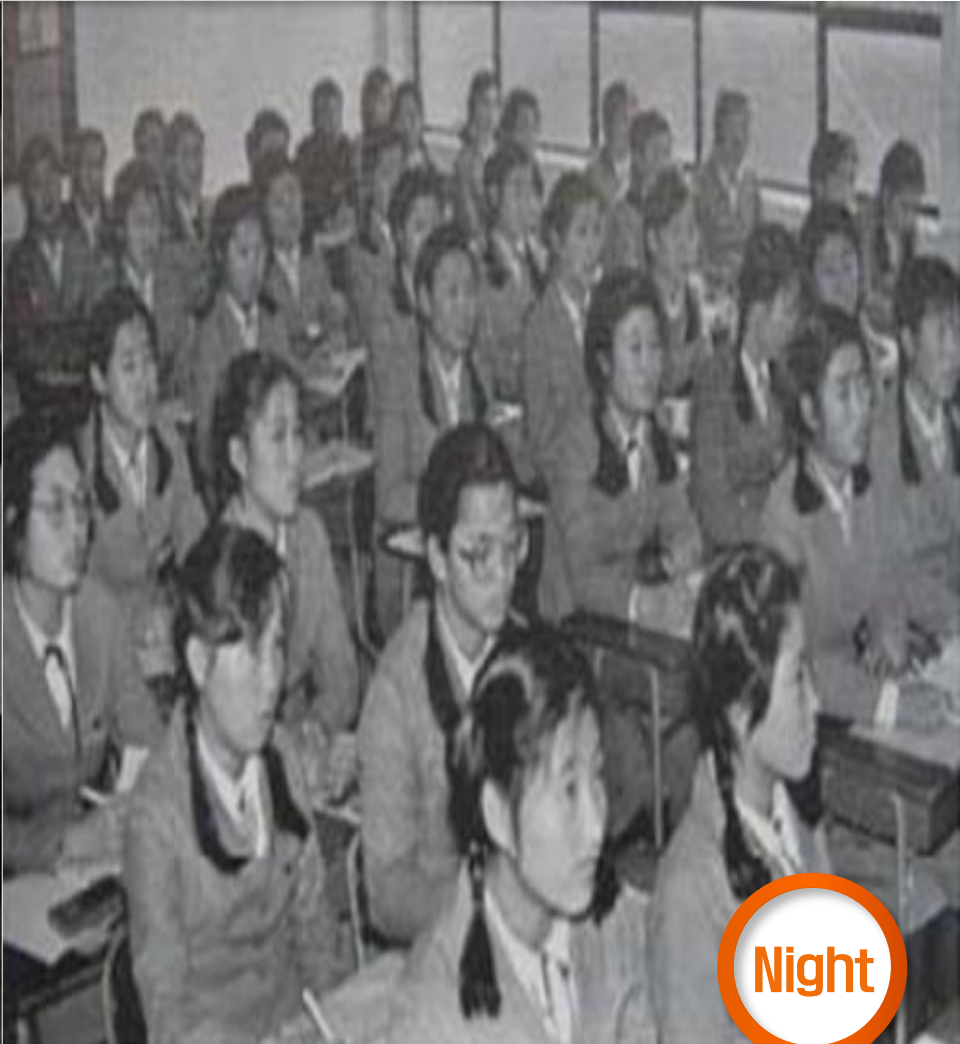


Tent School at a Refugee Camp, Busan

No money, no resources, (But only HR) only way to live was through the education; to study hard to succeed

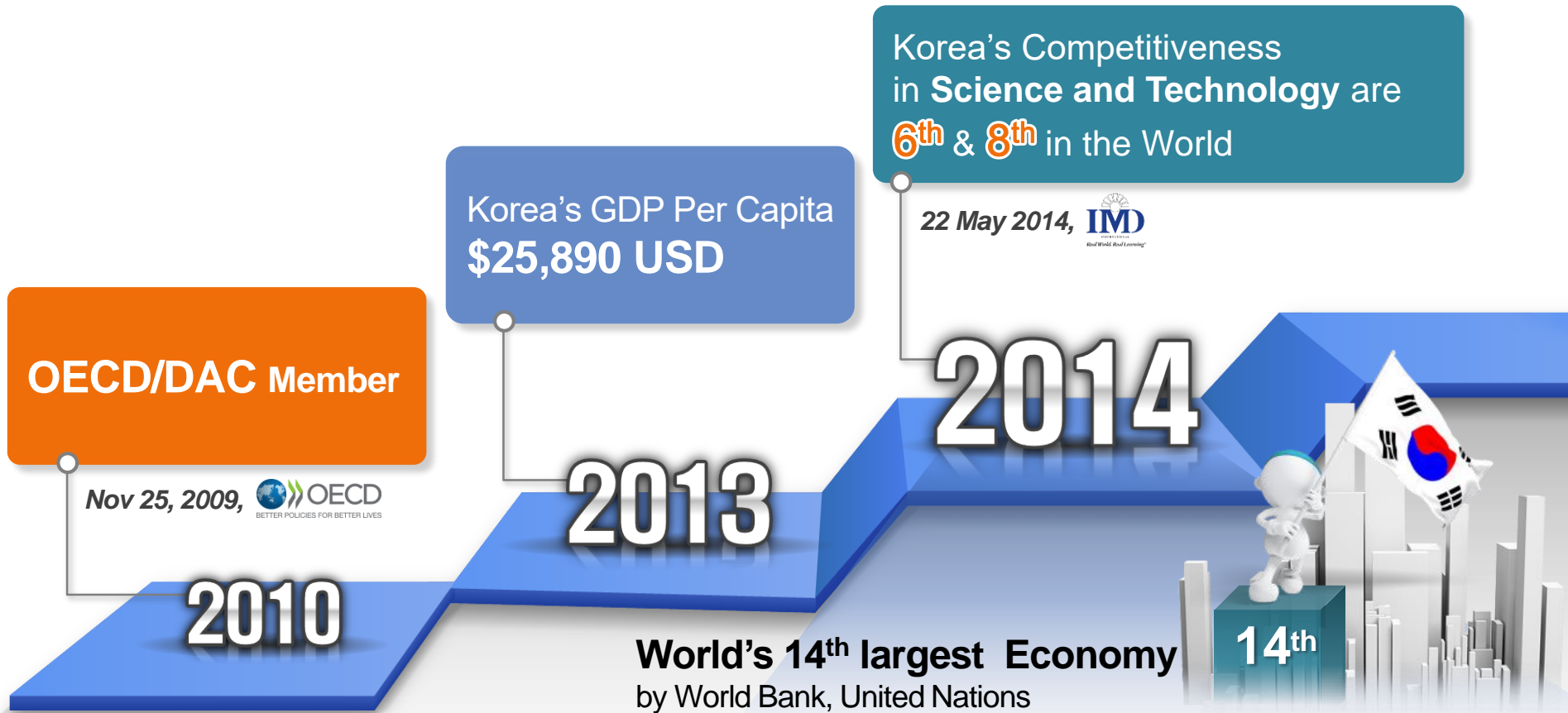


Zeal for Learning



Night Time Factory School for Young Female Workers, Early 1960's Industrialization

Recent Korea



OECD : Organization for Economic Co-operation and Development

DAC: Development Assistance Committee

IMD : International Institute for Management and Development

S&T Based Korean Companies in Global Top 10



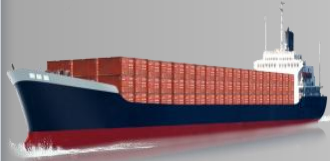
Electronics



1st



2nd



Shipbuilding



1st



3rd



4th



5th



7th



8th



Steel



1st



Vehicle



KIA MOTORS



HYUNDAI

5th



Shipping & Communication



韓進그룹

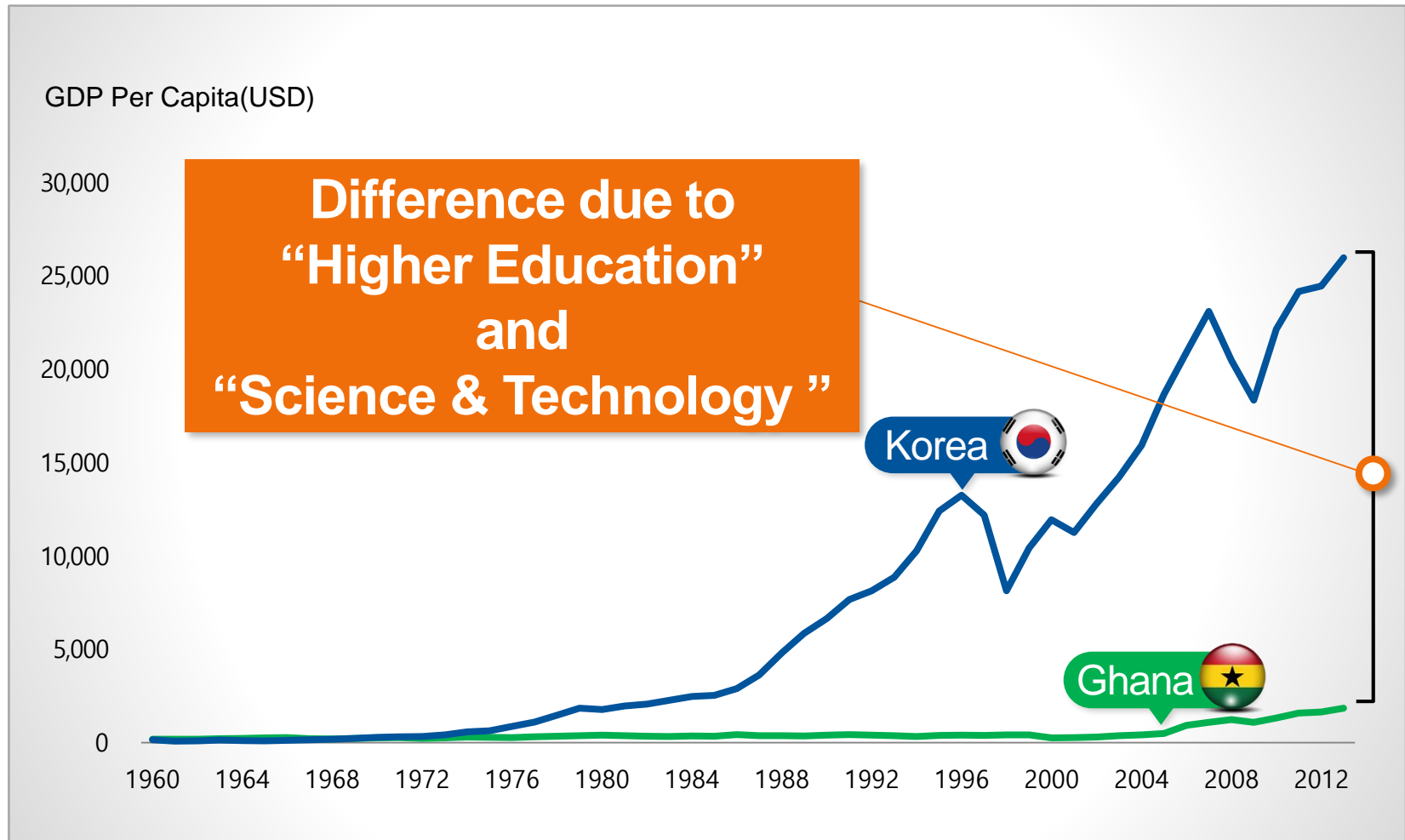


7th



10th

Higher Education and S&T as Two Key Factors in Income Differences between Countries



Source : World Bank Data(1999) and Modified by Thomas(Sungjun) Youn & Kyung Man You

Korean Economic Development and S&T Activities

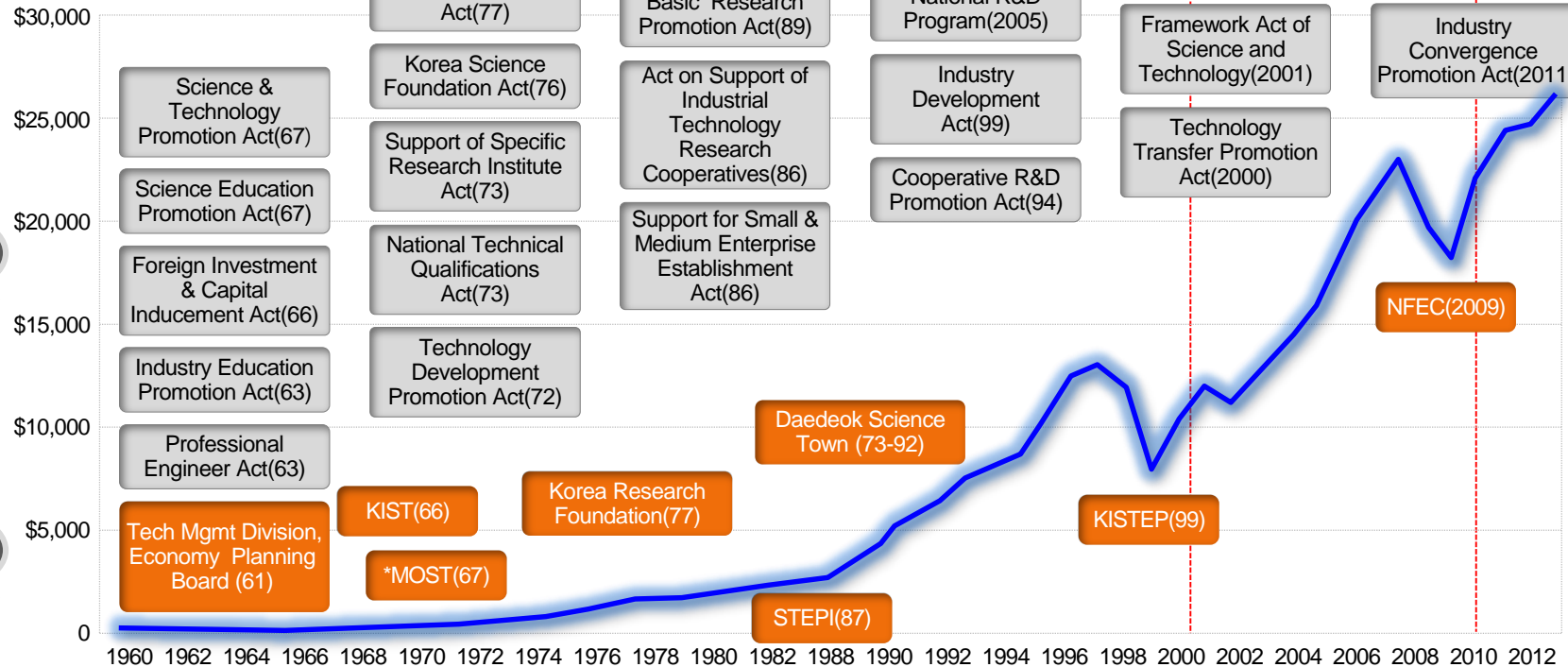
Recipient to Donor

Beginning of Foreign Aids(1945)

Removed from DAC List of ODA Recipients(2000)

Joined OECD/DAC Member(2010)

GDP Per Capita(USD)



S&T Legislation

S&T Organization

Main Industry

S&T Plan

Primary Goods		Light Industry		Light & Heavy Industry		Heavy Industry & Electronics Goods		Electronics & Cutting Edge Goods				
1st Tech Promotion Plan(62-66)	2nd Tech Promotion Plan(67-71)	3rd S&T Promotion Plan(72-76)	4th S&T Plan (77-81) in 5 Year Economic Development Plan	5th S&T Plan (82-86) in 5 Year Economic Development Plan	6th S&T Plan (87-91) in 5 Year Economic Development Plan	7th S&T Plan (92-96) In 5 Year Economic Development Plan	S&T Innovation 5 Year Plan (97-02)	S&T Innovation 5 Year Revised Plan(00-02)	1st S&T Basic Plan (03-07)	2nd S&T Basic Plan (08-12)	3rd S&T Basic Plan (13-17)	

*MOST: Ministry of Science and Technology

Source : Thomas(Sungjun) Youn & Kyung Man You

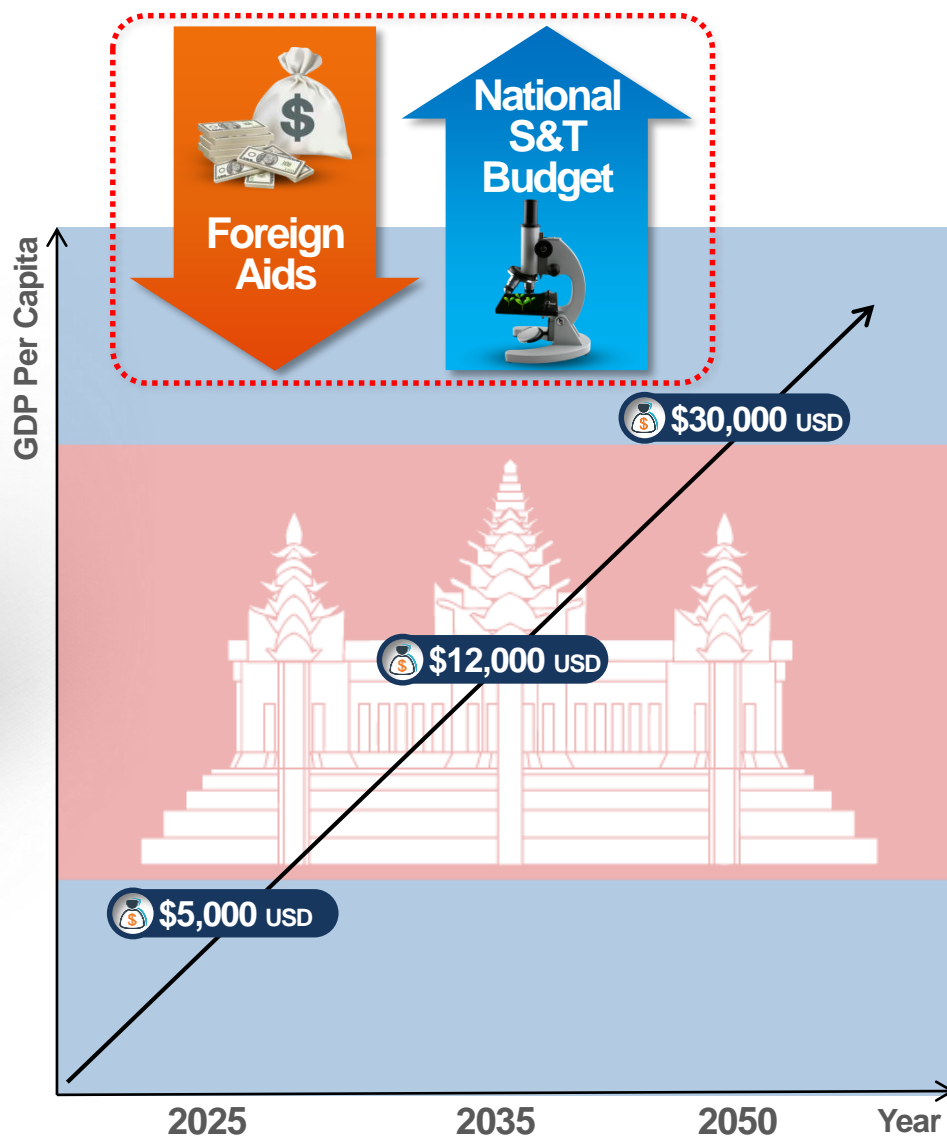
“Strong S&T leadership” from Top Leaders



S&T Investment from Cambodian Government on Cambodian Style of National R&D Program



**S&T Investment:
1-2% of GDP**



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