

Science and Technology Development

2018 Cambodia Outlook Conference

'Science and Technology for Industrialization, Economic Growth and Development in Cambodia'

A Partnership of CDRI and ANZ Royal Bank

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General Secretariat of the National Science and Technology Council (GS-NSTC)

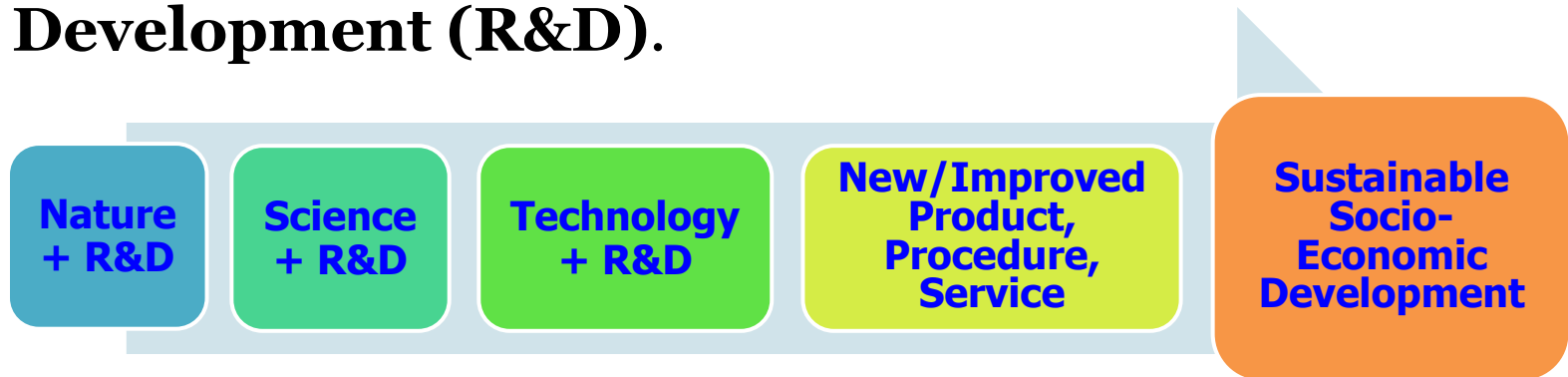
Science and Technology (S&T)

□ In broad and simple terms:

- “**Science**” is understanding of nature.
- “**Technology**” is manipulation of the understanding for human being.

In modern living, just about everything around us is based on S&T. It is not only computer/phone, nor high tech. space shuttle.

- The activity that bring about S&T, and new or improved product, procedure, or service is **Research and Development (R&D)**.



Why does Cambodia need S&T?

- ❑ Naturally, Cambodia want to grow and sustain.
- ❑ New ideal Government Vision is “Cambodia to be upper middle-income economies by 2030, and to be high-income economies by 2050.
- ❑ The truth is no country in the world can grow and sustain without science and technology.
- ❑ The fact is S&T bring about competitiveness to grow and sustain.
- ❑ Example of an ancient 2 simple societies (tribe) .

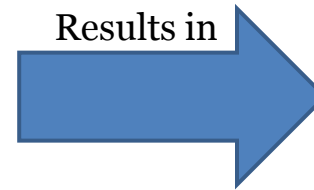


Tribe A, no S&T →
spend full time just
to feed members.



Tribe B, with S&T → can
spare resources for
military, infrastructure, ...

Results in



Tribe B is
superior or takes
over Tribe A

How have we started S&T?



Let's say we started here



Then here



Recovering



and Now.
Not everything,
but developing in
peace and
stability.

□ 3 main observations:

1. Khmer have gene of S&T.
2. S&T development requires proper management.
3. Top leadership is key to S&T and development.



Then here

Recent S&T Promotion

- ❑ Establishment of the National Science and Technology council (NSTC), chaired by Samdech Techo Prime Minister.
- ❑ Establishment of the General Secretariat of NSTC.

By the Government of the Kingdom of Cambodia to strengthen promotion and coordination of S&T development on proper direction.



Where we are now on S&T?

- We are on a turning point



Key Factor of Turning

➤ Top country leader



China's Premier, Zhou Enlai
In a speech: "The level of science and technology have been vastly raised."



India's Prime Minister, Jawaharlal Nehru views science and technology as essential and basic component of development and progress.



South Korea's President, Park Chung-hee, developed Korea based on science and technology

Proper management has significantly reduce duration and amount of S&T Investment.

❑ **3-key factors of top country leader:**

1. Need of significant, and continuous investment.
2. Need of country concerted effort, and strong international cooperation.
3. Research results are mostly abstract (knowledge).

Cambodia?

Samdech Techo Prime Minister of Cambodia has been very strongly supportive to science and technology development

- Strongly support education, approved STEM Education Policy
- Approved Industrial Development Policy
- Approved TVET Education Policy
- Always approved results of NSTC Meetings

សេចក្តីជូនបានគោរពជម្រាបជូនខាងលើ សូម សម្តេចអគ្គមហាសេនាបតីតេជោនាយករដ្ឋមន្ត្រី មេត្តា
ពិនិត្យសម្រេច និងគោរពសុំមតិដឹកនាំដ៏ខ្ពង់ខ្ពស់។

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ដោយសេចក្តីគោរពដ៏ខ្ពង់ខ្ពស់បំផុត
រាជធានីភ្នំពេញ ថ្ងៃទី ១០ ខែ មេសា ឆ្នាំ២០១៧
រដ្ឋមន្ត្រីស្តីទី

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ប៊ុន រ៉ានី

Fully supports on 2nd NSTC Meeting

សូម សម្តេចអគ្គមហាសេនាបតីតេជោ ហ៊ុន សែន នាយករដ្ឋមន្ត្រីនៃព្រះរាជាណាចក្រកម្ពុជា
បញ្ជាទទួលនូវការកត់សម្គាល់ដ៏ខ្ពង់ខ្ពស់បំផុតពីខ្ញុំបាទ។

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នាយក ហ៊ុន សែន

Fully supports on 3rd NSTC Meeting

- Etc.

Intellectuals, Researchers, Youths, and the Public are optimistic to the commitment of Top Country Leader



Workshops



Exhibitions



Meeting of Cambodia researchers
(Higher Learning Institutions,
Gov. Research Institutes,
Privates, NGOs)

Critical Constraints and Challenges

- Lack of understanding and support!





**Thank you for
your attention!**