



Thailand's Contribution of STI in achieving SDGs 2030: The community well-being

Ministry of Science and Technology (MOST) - Thailand May 2018



Outline

- 1. Overview of Sufficiency Economy Philosophy (SEP)
- 2. Science, Technology, and Innovation (STI) to support SEP
- 3. STI for SEP to achieve SDGs
- 4. MOST Thailand projects

SUFFICIENCY ECONOMY PHILOSOPHY (SEP): Thailand's Home-Grown Approach to Sustainable Development

Sufficiency Economy Philosophy (SEP) was introduced in 1974 by His Majesty the late King Bhumibol Adulyadej. SEP is an approach for sustainable development which espouses moderation, reasonableness and prudence as development framework based on knowledge and virtue. The Philosophy attaches great importance to human development at all levels and emphasizes the need to strengthen community's capacity to ensure a balanced way of life and resilience, with full respect for the environment.

SEP shares ultimate common principles and objectives with SDGs, seeking to eradicate poverty and reduce inequality as a means to achieve sustainable development, and strike the right mindset towards the balance among three dimensions of sustainable development.

The concept of SEP aligns with many goals and targets across the 2030 Agenda for Sustainable Development, some of the more prominent applications of the SEP in our sustainable development endeavor include poverty eradication, food security, sustainable economic growth, sustainable industrialization and sustainable consumption and production. As an approach and mindset framework, SEP can be applied with all 17 SDGs and therefore could support and complement the successful implementation and realization of the 2030 Agenda on Sustainable Development.



Ways and Means of Sufficiency Economy Philosophy (SEP)

Simplify/Simplicity















How SEP works (Diversify)



Land and Water

30-30-30-10

30= Mixed Crops

30= Water Source

30= Rice Field

10= Residence animal farms and rice barns





SEP and the Modern World

























Partners for SEP for SDGs Partnership





Developing countries

agreeing to cooperate with TICA

for implementing SEP projects

Developing countries with SEP projects

- (1) Lesotho
- (2) Cambodia
- (3) Timor-Leste
- (4) Chile
- (5) Lao PDR
- (6) Tonga
- (7) Fiji
- (8) Sri Lanka
- (9) Mozambique
- (10) Mongolia

(1) Togo

- (2) Senegal
- (3) Kyrgyz
- (4) Madagascar
- (5) Benin
- (6) Niger
- (7) Costa Rica
- (8) Burkina Faso
- (9) Tajikistan
- (10) Paraguay
- (11) Vanuatu
- (12) Philippines
- (13) Bhutan

Development Partners (developed countries and int'l organisations) implementing/to implement SEP projects under trilateral cooperation

- (1) Germany (GIZ)
- (2) South Korea (KOICA)
- (3) UN Volunteers (UNV)

(4) UN Office for South-South Cooperation (UNOSSC)

- (5) PGTF Fund
- (6) USA (USAID)
- (7) Japan (JICA)
- (8) France (AFD)





Science, Technology, and Innovation for SEP



1988 – 1997 Science and Technology for Sustainability

"...Science and technology are important factors for development of a country. We should seriously support an invention of technology that is suitable for the needs and conditions of our country. The more we can invent, the more we can save, and the invented technology can be applied in a wide variety of works."

Royal Address by H. M. King Bhumibol Adulyadej, Given at the National Science and Technology Fair, 1 August 1988









STI for People People Centric วิทย์สร้างคน

- Create Science Culture
- STEM Learning
- Science Communication/awareness
- Talent Mobility

STI for Prosperity Technology reduce poverty วิทย์แก้จน

- Value Creation and Demand Driven/Productivity through STI Network
- Support One Tambon One Product (OTOP), SMEs
- Smart Farmer
- 3 informatics technology (Hydro/Bio/Geo)

STI for Power Support Startups วิทย์เสริมแกร่ง

- STI Infrastructure Development
- STI to increase competitiveness
- Innovation-Driven Enterprises (IDE)
- Information Technology Service





Science Museum







Science Show



National Science week

Science Caravan





