



Natural Resources and Environmental Management through Sufficiency Economy Philosophy

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Key Challenges in an Unsustainable Community



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Poverty

Hunger & Food Insecurity



Global Warming



Deforestation



Limited access to healthcare



Urbanization & Inequality



Sustainability, not an option.



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SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



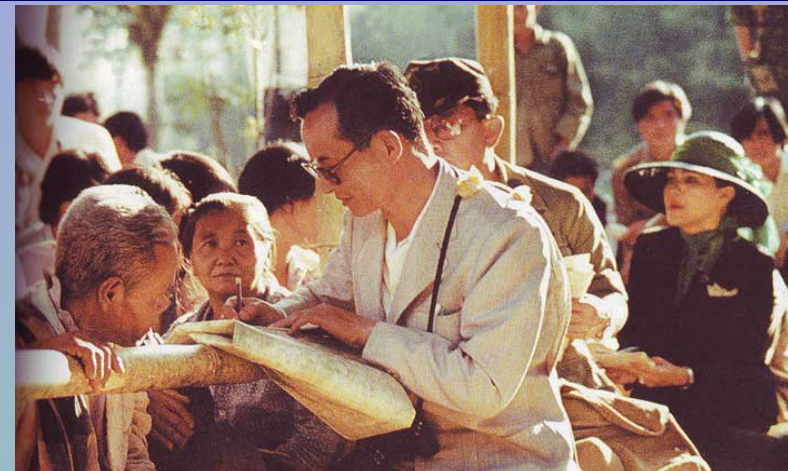
SUSTAINABLE DEVELOPMENT GOALS

His Majesty's Development Work



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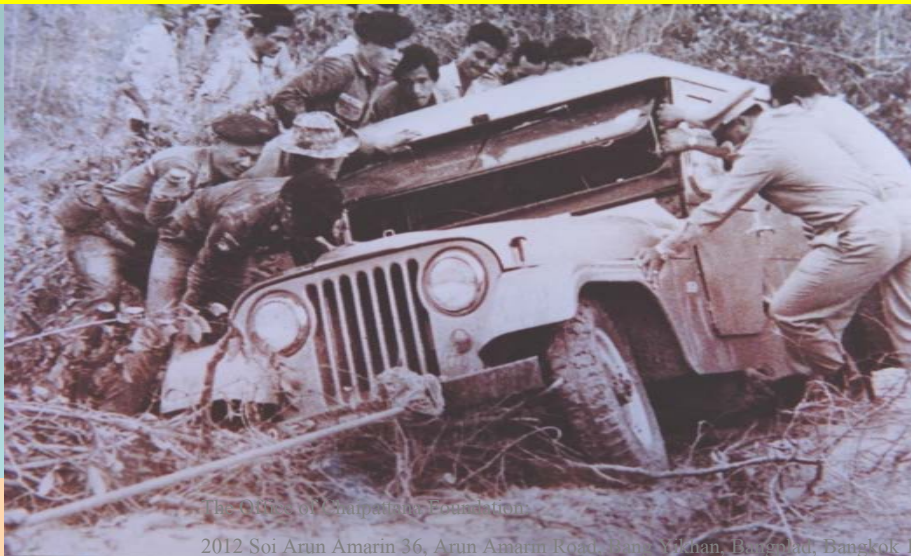


Ascension:
1946

Coronation:
1950



**“We shall reign with righteousness
for the benefits and happiness of the Siamese people”**



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2012 Soi Arun Amarin 36, Arun Amarin Road, Bang Wai Man, Bangkok, Bangkok 10700

Path to Sustainable Development: Thailand's Experience



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Sufficiency
Economy
Philosophy



SEP founded in **1974**

Thailand proves to be the least miserable economy, ranked by Bloomberg **(2015-2017)**



Since the **1997** economic crisis, SEP has become guiding light and Thailand's development compass

SEP has become a new rural development strategy in Thailand since the 9th Plan of Socio-economic Development since **2002**



Sufficiency Economy Philosophy (SEP) 1974



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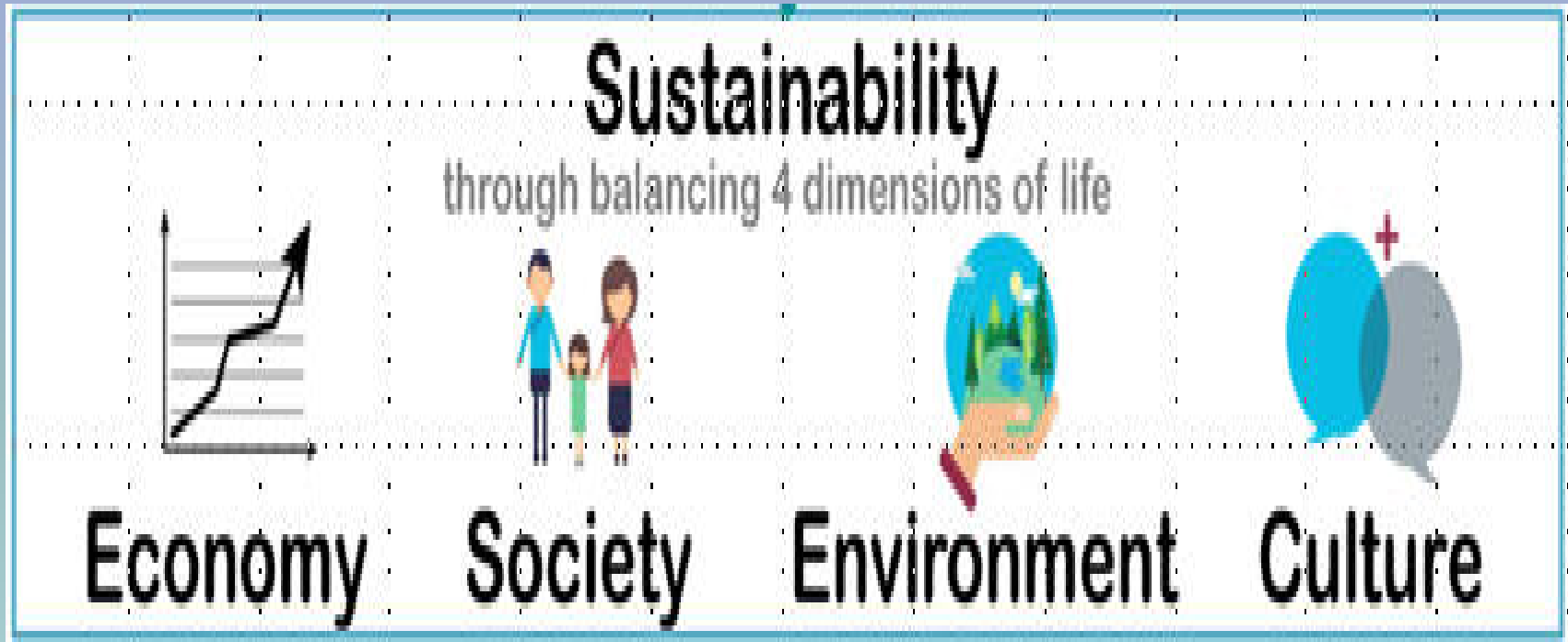
Three pillars of Sufficiency Economy



1. **Moderation**, meaning sufficiency at a level of not doing something too little or too much at the expense of oneself or others, for example, producing and consuming at a moderate level.
2. **Reasonableness**, meaning the decision concerning the level of sufficiency must be made rationally with consideration of the factors involved and careful anticipation of the outcomes that may be expected from such action.
3. **Risk Management** (Immunity/Prudence/Resilience) meaning the preparation to cope with the ensuing impact and changes in various aspects by considering the probability of future situations.



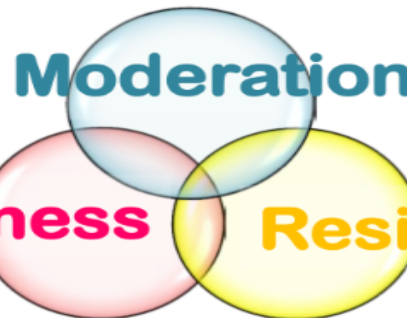
1. Knowledge, comprising all-round knowledge in the relevant fields in order to use them to aid in the planning and ensure carefulness in the operation.
2. Virtue (Moral Principle) to be promoted, comprising the awareness of honesty, patience, perseverance, and intelligence in leading one's life.





SEP is a Thinking Process

Progress with Balance



Moderation

Middle way of doing things, not too much and not too little, avoiding extreme

Reasonableness

Assessing causes and effects of one's actions towards all stakeholders, including environment

Resilience

Risk management, Preparing for future changes

Knowledge

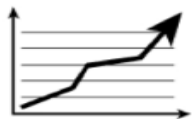
Insight / right understanding

Virtues

Integrity / diligence / patience / sharing

Sustainability

through balancing 4 dimensions of life



Economy



Society



Environment



Culture



A CLOSER LOOK AT SEP

The Sufficiency Economy Philosophy (SEP) is a decision-making framework based on both knowledge and virtues. SEP is based on the principles of moderation, reasonableness and prudence. They translate into appropriate ways to solve problems or take action in different situations.

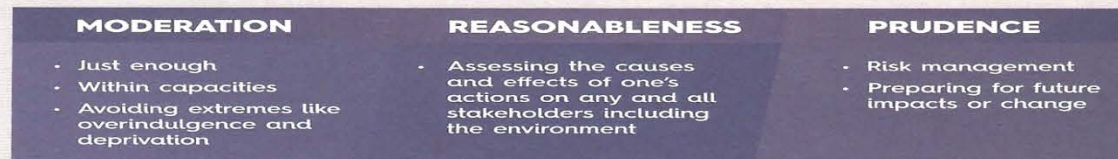
SEP stresses balance in the use of economic, social, environmental and cultural capital, while underlining the importance of preparedness in dealing with changes in these four dimensions. According to SEP, progress with balance promotes stability and, ultimately, provides a basis for sustainability. That can be as true for national development programs as for our own agenda in life.

How does SEP translate to “sustainability”?

Decisions are made according to knowledge and virtue:



Decisions are based on these three principles:



The outcomes of decisions based on SEP should reflect balanced progress toward sustainability in the four dimensions of life:

Progress with Balance in Life’s Four Dimensions



Economic



Social



Environmental



Cultural

Source: Thailand Sustainable Development Foundation

SEP for SDGs



Agricultural sector:
SEP encourages a holistic farm management system



Healthy communities:
SEP promotes well-being of people, environment, society and culture



Human capacities and capabilities:
SEP fosters good business practices, good governance



Water resources:
SEP highlights the importance of improving water quality, restoring water-related ecosystems



Climate change:
SEP promotes green production and conserving ecosystems



Economic stability:
SEP encourages risk management becoming resilient to uncertainties



Strong government institutions:
SEP inspires enlightened leadership and encourages people-centred development



Partnerships towards sustainable development:
SEP is a guiding light at TICA

“Let Evil beat Evil”



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MAKKASAN WASTEWATER TREATMENT THROUGH FILTRATION BY WATER HYACINTH (BANGKOK)



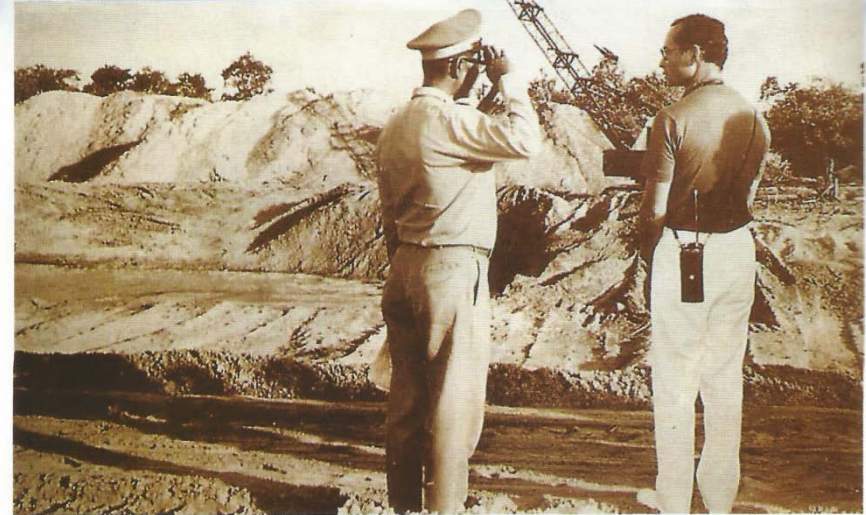
“Tricking the Soil”



“TRICKING THE SOIL” A ROYAL THEORY



“...Here when it floods, the area must be drained. The



“...The soil will be less acidic because it had reached maximum amount of acidity already. By digging out the layer of the mud creating the acidity and then washing the soil, it should improve daily...”



“...Further tests of the successful experimentation on rehabilitating acidic soil at the Pikun Thong Royal Development Study Centre where fresh water was used to wash acid from the soil shows that it can help rehabilitate the soil, improving its quality to where it can be used to grow rice...”

“Laem Phak Bia”



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WASTEWATER MANAGEMENT COMBINING
LAGOON TREATMENT AND
GRASS FILTRATION



Laem Phak Bia

The King's Royally Initiated Laem Phak Bia Environmental Research and Development Project
Laem Phak Bia Sub-district, Ban Laem District, Phetchaburi Province



“Chaipattana Aerator”



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OXIDATION BY MECHANICAL
AERATION TO INCREASE
POLLUTANT - DESTROYING BACTERIA
THE CHAIPATTANA AERATOR



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Sufficiency Economy in the World Arena



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His Majesty received Human Development Lifetime Achievement Award from the United Nations in 2006.



SEP for SDGs Partnership Projects



Partners (11 countries)



Future Partners (16 countries)

