

The King of Thailand: The Country's Vetiver Initiator

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- **Privy Councillor**
- **Chairman of the Committee for the Development and Promotion of the Utilization of Vetiver Grass According to the Royal Initiatives**





King Bhumibol Adulyadej
(Reigned from 1946 to present)



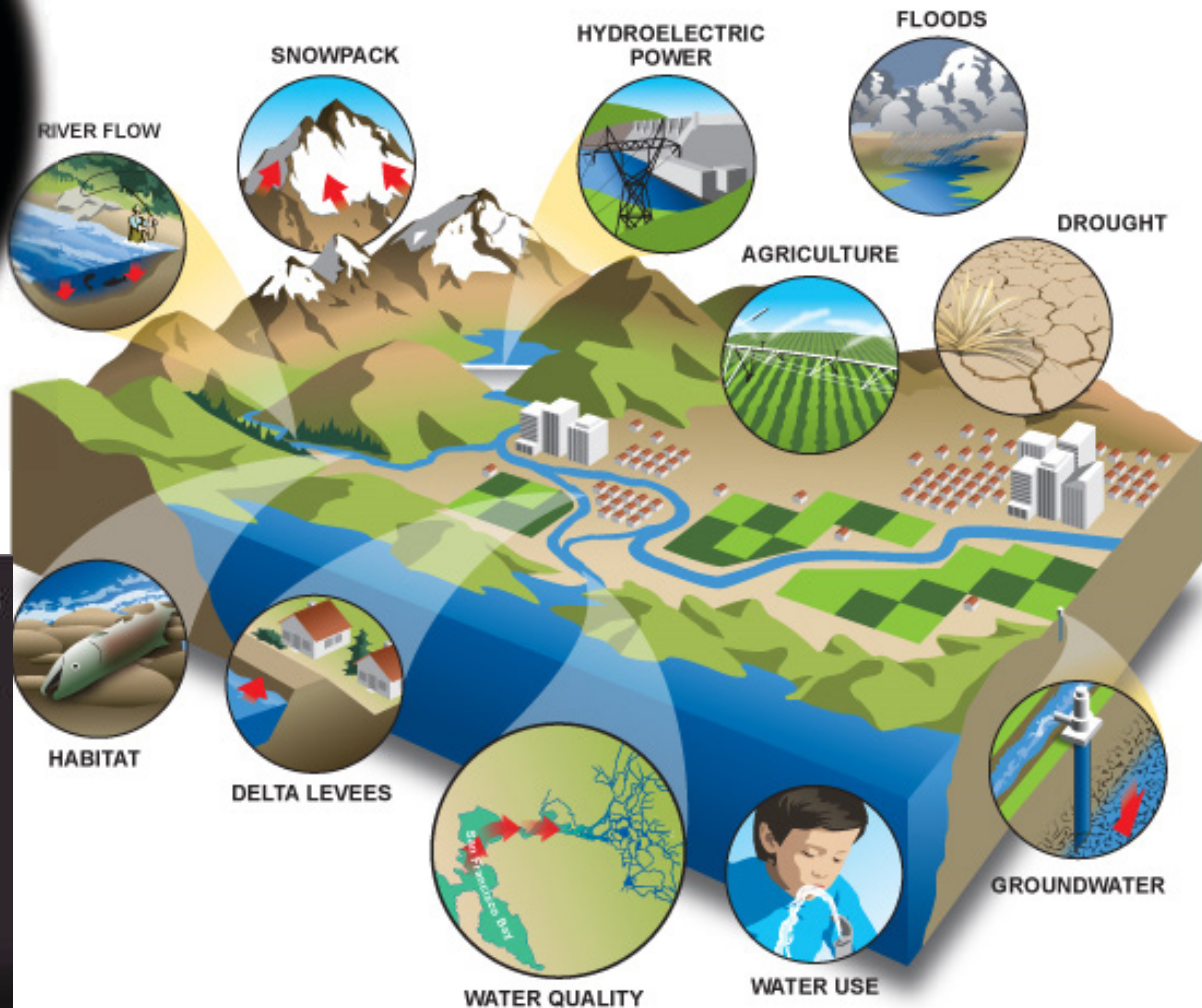




Natural Disasters



Climate Change Affects Us All



Global warming: Causes and effects

Earth's temperature has risen about 1 degree Fahrenheit in the last century. The past 50 years of warming has been attributed to human activity.

Burning fuels such as coal, natural gas and oil produces greenhouse gases in excessive amounts.

Greenhouse gases are emissions that rise into the atmosphere and trap the sun's energy, keeping heat from escaping.

The United States was responsible for 20 percent of the global greenhouse gases emitted in 1997.

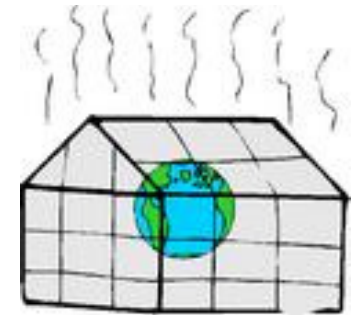
Most of the world's emissions are attributed to the United States' large-scale use of fuels in vehicles and factories.

During the past 100 years, global sea levels have risen 4 to 8 inches.

Some predictions for local changes include increasingly hot summers and intense thunderstorms.

Demaging storms, droughts and related weather phenomena cause an increase in economic and health problems. Warmer weather provides breeding grounds for insects such as malaria-carrying mosquitoes.

Royal initiative on “Green House Effect” on 4 December 1999



Royal initiatives concerning natural resources and the environment and others

1

Management of forests, natural forest and economic forest



2

Preservation and development of small, medium and large-scale water sources



3

Prevention and treatment of wastewater



4

Utilization of renewable energy and biogas, as well as the solving traffic congestion in big cities





Royal speech given on 22 June 1991

- ❖ *“...the cultivation of the vetiver grass should be experimented at the Huai Sai and Khao Hin Sorn Royal Development Study Centres as well as in other areas to prevent soil erosion. The cultivation should be suitable and the data on the studies and experimentations covering all aspects should be collected...”*



For His Majesty the King, vetiver is...

- ❖ A Miracle Grass
- ❖ A Living Wall
- ❖ A Living Dam
- ❖ A Multi-purpose Grass





On 25 July 2011, His Majesty the King gave the initiatives on the problem of landslides and the selection of plant species to grow in the highland.



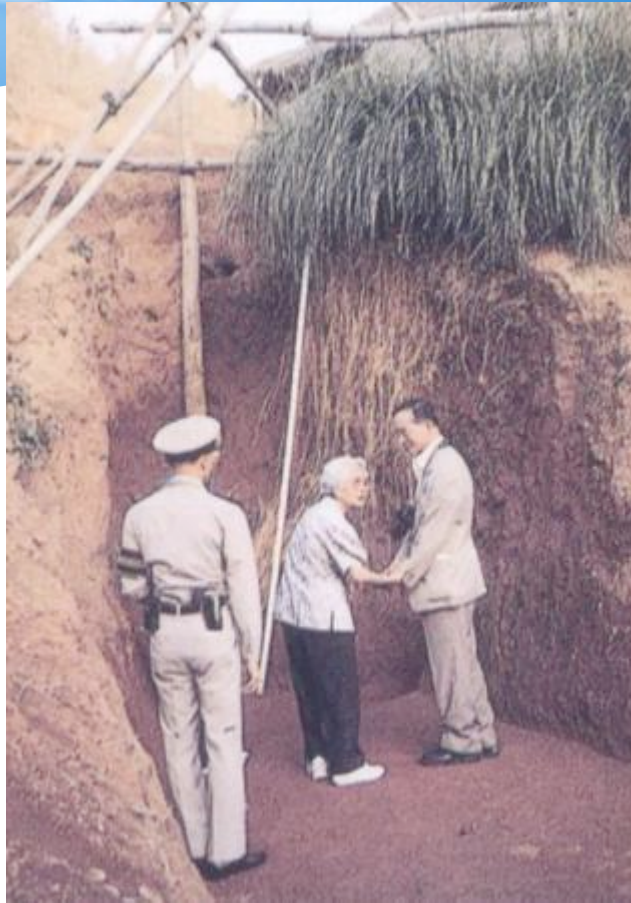
His Majesty recommended the growing of trees with primary roots, fast-growing trees and intercropping of vetiver in highland and mountainous areas.



His Majesty has continuously given his initiatives which up to now counted for over 30 times, covering various aspects as follows:

- ❖ **Research and experimentation**
- ❖ **Soil and water conservation**
- ❖ **Plantation methods**
- ❖ **Propagation and protection of plant genetics**
- ❖ **Protection of forest fires**
- ❖ **Dissemination and extension works**





His Majesty the King and Her Royal Highness the Princess Mother observing the 3.7-metre-long vetiver root at the Doi Tung (Implementation Site) Development Project





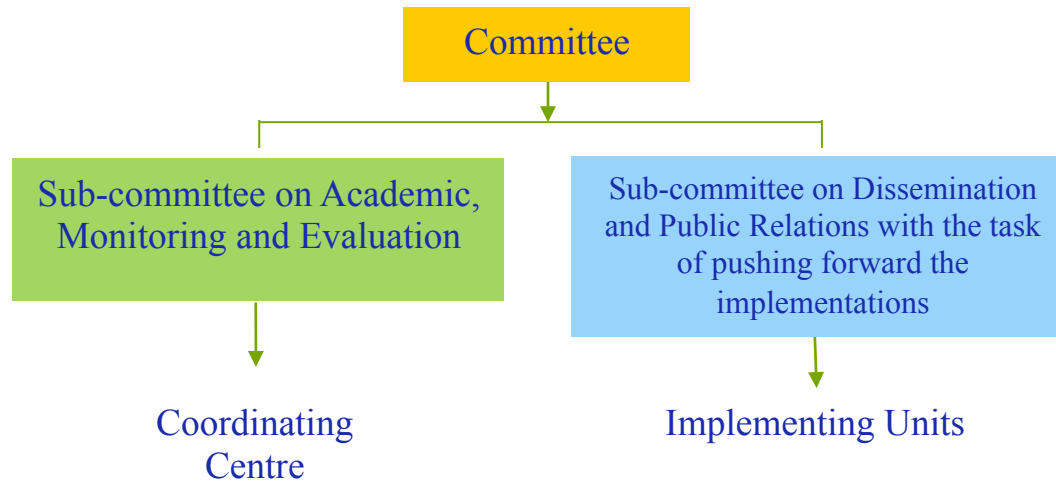
Implementation in Response to the Royal Initiatives

- ❖ **Started in 1991, 10 agencies involving in the implementation with the Office of the Royal Development Projects Board (ORDPB) working as the central agency**



Implementation in Response to the Royal Initiatives

- ❖ **Setting up the Committee on the Development and Promotion of the Utilization of Vetiver Grass According to the Royal Initiatives with the task of formulating policies and frameworks**
- ❖ **Established two sub-committees: the Sub-committee on Academic, Monitoring and Evaluation; and the Sub-committee on Dissemination and Public Relations**



5

MASTER PLANS for the Development and Promotion of the Utilization of Vetiver Grass were drafted as guidelines for implementations.

1st Master Plan

(1993 – 1994)

focuses on basic and applied research



2st Master Plan

(1997 – 1999)

focuses on researches and the dissemination of knowledge according to the royal initiatives, together with creating knowledge and understanding among the target groups

3st Master Plan

(2002 – 2006)

focuses on promotion and dissemination of the utilization of vetiver for soil and water conservation as well as natural resources and environmental rehabilitation among public and private agencies and farmers

5

MASTER PLANS for the Development and Promotion of the Utilization of Vetiver Grass were drafted as guidelines for implementations.

4th Master Plan

(2007 – 2011)

focuses on holistic development approach, integrated cooperation of the agencies concerned in the sustainable utilization of vetiver technology on natural resources and environmental conservation

5th Master Plan

(2012 – 2016)

focuses on a vision to drive the project implementation through the practices by the farmers under the vetiver networks which scatter in the country – *on going*



Over 50 agencies, both public and private, have continuously been taking part to fulfill the royal initiatives as follow:

50 Agencies

Researches:

There are 225 researches, on basic scientific research (genetics, growth and propagation), agriculture, intercropping, soil and water conservation, environment, utilization and dissemination.

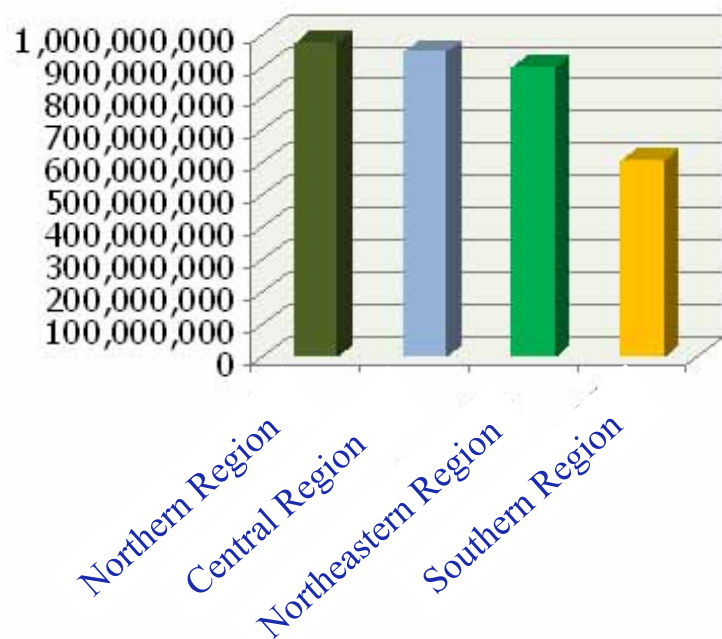
Promotion and extension:

Since 1992 more than 3,000 millions vetiver slips have been cultivated throughout the country.



18 years of implementation (1993-2011)

Promoting the plantation of approximately 427,634,820 vetiver slips

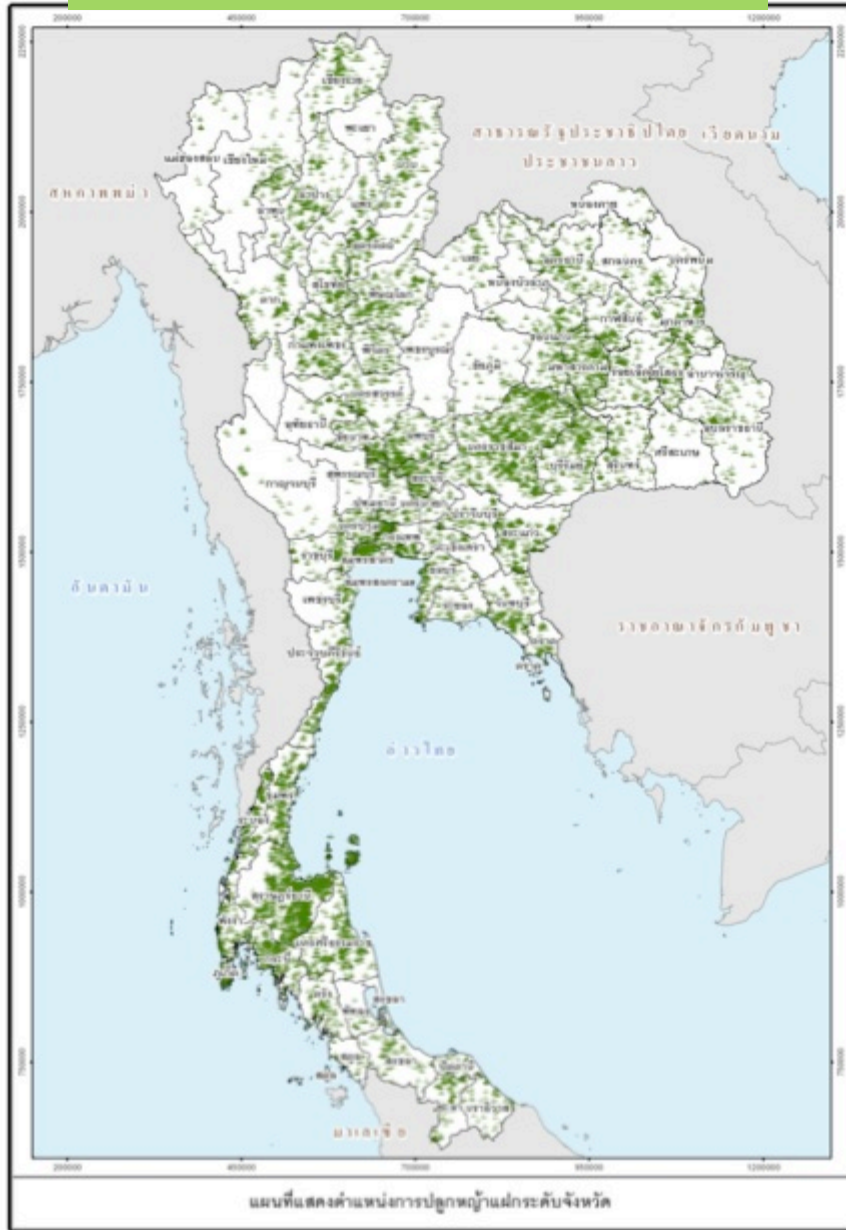


Northern Region	973,001,014 slips
Central Region	945,434,327 slips
Northeastern Region	898,776,687 slips
Southern Region	610,422,792 slips

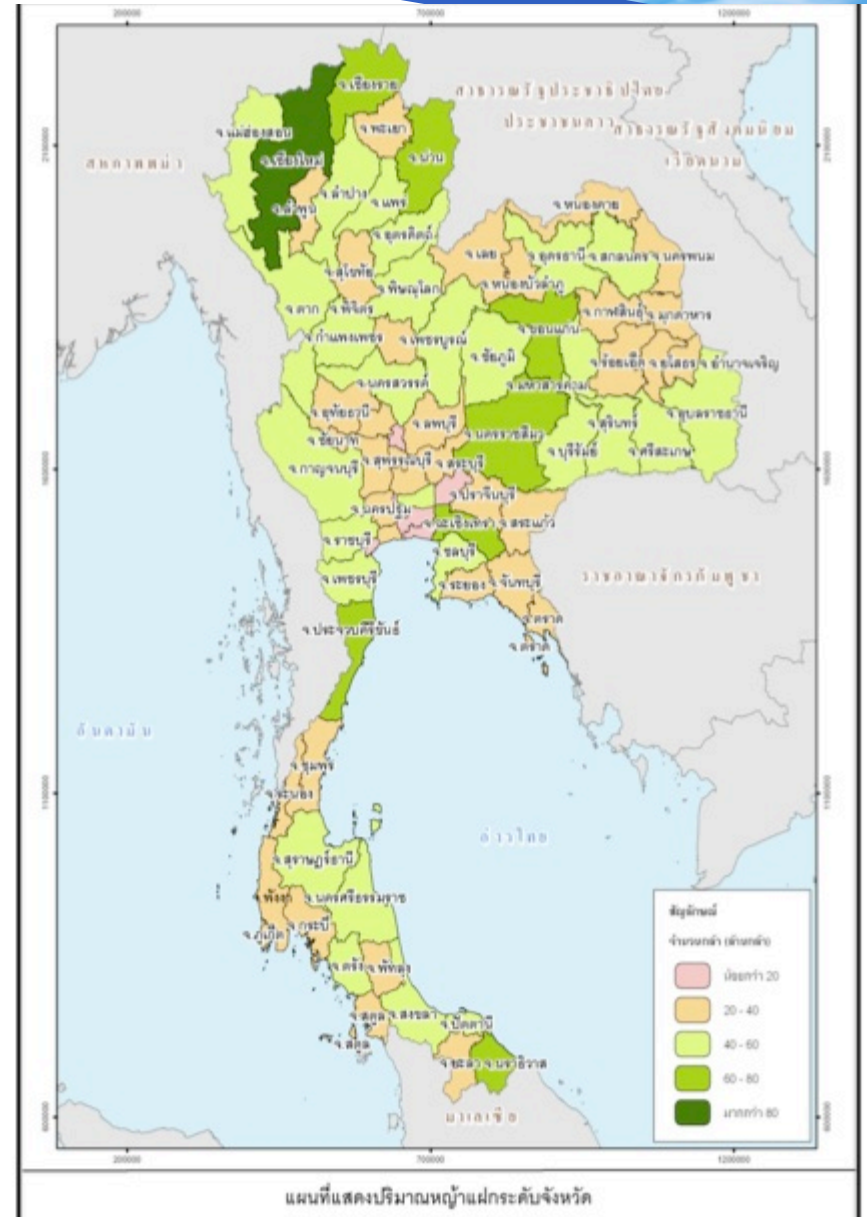
Total 3,427,634,820 vetiver slips

3,427,634,820 vetiver slips

Locations of vetiver plantation



Numbers of vetiver planted in provinces





❖ **Vetiver cultivation for the rehabilitation of the ecological system**



❖ **Vetiver cultivation in the contour line along the slope in the para rubber plantation plots**



- ❖ **Vetiver cultivation to prevent soil erosion along the steep road's shoulder**



- ❖ **Vetiver cultivation around the farm ponds**



- ❖ **Vetiver cultivation along the slopes with the height of more than 35 percent**



- ❖ **Vetiver cultivation across the slopes in the agricultural areas**



❖ **Vetiver cultivation in cassava plots**



❖ **Vetiver cultivation in the integrated farming plots**

Dissemination of Academic Knowledge and Public Relations



- ❖ **Setting up vetiver plantation demonstration plots in the areas of the agencies**



Dissemination of Academic Knowledge and Public Relations



❖ Provision of trainings throughout the countries

Dissemination of Academic Knowledge and Public Relations



- ❖ International seminars, conferences and trainings courses





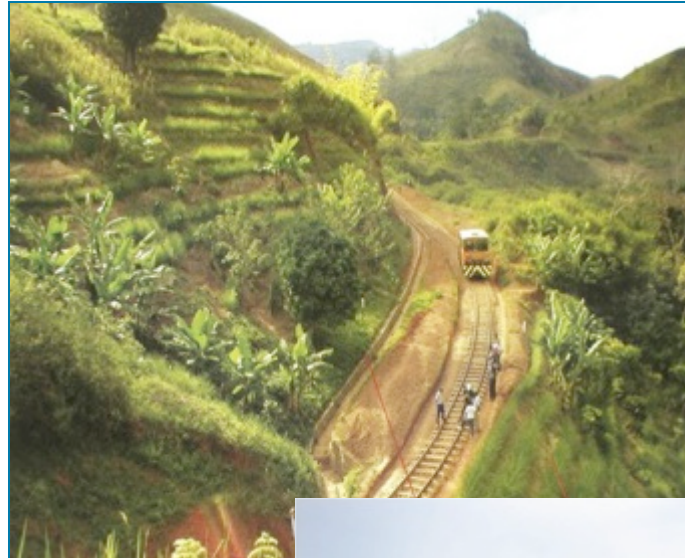
Dissemination of Academic Knowledge and Public Relations



❖ Provision of trainings throughout the countries and internationally



Dissemination of Academic Knowledge and Public Relations



❖ **International assistance and cooperation (Myanmar, Madagascar, Vietnam)**



Dissemination of Academic Knowledge and Public Relations



❖ **Distribution of vetiver slips nationally and internationally**



Dissemination of Academic Knowledge and Public Relations



- ❖ Academic publications both in Thai and English
- ❖ Distribution of information on PRVN website



Dissemination of Academic Knowledge and Public Relations



❖ Organization of the contests on vetiver plantation and vetiver handicraft





His Majesty the King graciously granted 10,000 USD as the prize money for the winners of the King of Thailand Vetiver Awards at every ICVs



International Recognition

- ❖ **On 25 February 1993, the International Erosion Control Association presented the International Merit Award to His Majesty the King to acknowledge His Majesty's work on soil and water conservation using vetiver grass.**



International Recognition

- ❖ **On 30 October 1993, the World Bank by Mr. Richard G. Grimshaw presented the Bronze Vetiver Sculpture as an Award of recognition to His Majesty the King for his determining role as soil and water conservation.**



- ❖ **Owing to his initiatives, ingenuity and intention to promote the use of vetiver grass for soil and water conservation, as well as for other benefits for over 20 years, this simple, yet special grass is extensively grown in Thailand and becomes know nation-wide, and accepted internationally.**



The Celebration on the Auspicious Occasion of His Majesty the King's 7th Cycle Birthday Anniversary, 5th December 2011



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“Long Live the King”



Thank You

