

# Promotion of Forest Rehabilitation in Cambodia and Viet Nam Through Demonstration Models and Improvement of Seed Supply System

**Project Duration** 5 years (2014-2019)

**Project Budget** USD 1,000,000

## ► Overview

The regional project (AFoCo/003/2014), "Promotion of Forest Rehabilitation in Cambodia and Viet Nam through Demonstration Models and Improvement of Seed Supply System", was initiated in April 2014 during the 4<sup>th</sup> Session of the Governing Council of the Agreement on ASEAN-ROK Forest Cooperation.

The project came into effect on 9 December 2014 following the signing of a Memorandum of Understanding among the Republic of Korea, Cambodia and Viet Nam. It will be operational for 5 years.

Cambodia is the lead country for this project. The Institute of Forest and Wildlife Research and Development of Forestry Administration, Cambodia and the Research Institute for Forest Ecology and Environment of Vietnamese Academy of Forest Sciences were assigned as the implementing agencies in respective countries.

## ► Goal and Objectives

The goal of the project is to promote reforestation and forest rehabilitation through survey and examination of better access to quality seeds/planting materials of prominent tree species and

through the establishment of demonstration models for forest rehabilitation in Cambodia and Viet Nam, involving various stakeholders.

Access to quality seeds/planting materials is a major challenge in these countries due to lack of a proper seed supply and distribution system. With the support of the project, seed sources and their supply chain for economically and ecologically important tree species will be surveyed and established across the countries. Demonstration models for forest rehabilitation will be established. In addition, supporting facilities such as tree seed laboratory and tissue culture laboratory will be established under the project.

### Specific objectives

- To initiate a seed distribution system in Cambodia with identified seed sources and seed distributors
- To establish support laboratories with equipment and trained staff in Cambodia and Viet Nam
- To improve seed sources and seedling production in Viet Nam
- To assess the impact of forest rehabilitation on the environment and climate change in Viet Nam
- To establish demonstration models of forest rehabilitation in Cambodia and Viet Nam



Project site for identification of seed sources in Cambodia



## ► Implementation Progress

This regional project has been operational since January 2015. As of August 2016, the following activities have been completed:

- 20 priority species have been identified following field surveys from 15 seed sources in natural forests in Cambodia and information leaflets of seed sources have been distributed locally.
- A Cambodian staff was trained on tree seed technology in the Republic of Korea to operate a tree seed laboratory in Cambodia.
- A completed seed demand survey has revealed that Cambodia planted around 13 million seedlings and approximately 15 tons of seeds were used in 2015.
- A 3-hectare demonstration model for 21 indigenous species was established in Cambodia.
- Permanent study plots were established to measure demography and biodiversity of plant resources as well as soil erosion and hydrology in Viet Nam.
- A 5-hectare agro-forestry model, 3-hectare new plantation model, 3-hectare enrichment model and a community forestry model were established in Viet Nam.
- A tissue culture laboratory was established and local staffs were trained in Viet Nam.
- A technical training for seedling production and management was organized in Viet Nam.

## ► Expected Outcomes

Upon the completion of the project, Cambodia and Viet Nam will have quality seed sources and seed production areas identified for their national forest rehabilitation programs. The tree seed distribution system will be established including the mechanism to supply seeds from seed sources to end users. This improved seed support system will benefit various stakeholders such as farmers, local communities, NGOs, international agencies, private companies, government agencies, research institutions, etc. Furthermore, the improved tree seed and tissue culture laboratories in both implementing countries will support quality enhancement of tree plantations. The demonstration models will show good practices and serve as study sites for future training and sharing of methodologies regarding forest restoration and rehabilitation in other areas or countries. The lessons learnt from the project implementation will have a great potential of expanding to other tropical and sub-tropical countries.



Monitoring of tree growth in the restoration site



Technical meeting on seed sources and seedling production in Viet Nam



Project steering committee meeting in Cambodia

The ASEAN-ROK Forest Cooperation (AFoCo) is a regional cooperation mechanism in the forest sector between ASEAN Member States and the Republic of Korea. It was formalized by the "Agreement between the Governments of the Member States of the Association of Southeast Asian Nations and the Republic of Korea on Forest Cooperation", which was entered into force in August 2012. The AFoCo aims to tackle the issue of deforestation and forest conservation in the context of sustainable development, and broaden the scope to other Asian countries.



**ASEAN-ROK Forest Cooperation Secretariat**

8th Floor, 9 Gukhoe-daero 62-gil, Yeongdeungpo-gu, Seoul, Republic of Korea 07236

Tel : +82-2-785-8961 Fax : +82-2-785-8970

Website : [www.afocosec.org](http://www.afocosec.org)

[Twitter](#) @AFoCOProject #ARP\_CV



**Korea Forest Service**