

PEATLAND REHABILITATION THROUGH MULTI-STAKEHOLDER PARTNERSHIP: CREATING BETTER LIVELIHOOD FOR COMMUNITY IN MALAYSIA

Lew, S.Y., Nor Asikin, A., Muhammad Faizuddin, Z., Mohd Faris, R.S., Aida Hayati, M.H., Jonathan Teng, Y.C., Parish, F., and Nagarajan, R.

Rehabilitation of degraded peatland area by Global Environment Centre (GEC) started more than a decade in Selangor State then extended to Pahang in Peninsular Malaysia, through multi-stakeholder partnership.



The funders and partners of the rehabilitation activities, community welfare and livelihood activities are the local community groups in Selangor and Pahang, Forestry Department of Peninsular Malaysia, State Forestry Department (Pahang and Selangor), JAKOA, District Offices, Department of Agriculture, Department of Fisheries, other government agencies, Bursa Malaysia Foundation, IOI Plantation, Bunge Loders Croklaan, Prosper, HSBC, UNDP Orang Asli Micro Grant Facility, and International Fund for Agricultural Development (IFAD).



2nd Floor, Wisma Hing, No.78, Jalan SS2/72, 47300 Petaling Jaya, Selangor D.E., MALAYSIA
PHONE: +60 3 7957 2007 **FAX:** +60 3 7957 7003
WEB: www.gec.org.my
EMAIL: outreach@gec.org.my

Designed by Yap Ni Yan

PRIVATE SECTORS
 Gamuda Land,
 IOI Plantation, Prosper,
 Bunge Loders Croklaan,
 Yayasan Sime Darby,
 Yayasan Bursa

INTERNATIONAL DEVELOPMENT AGENCIES
 International Fund for
 Agricultural Development
 (IFAD), United Nations
 Development Program (UNDP)

MULTI-STAKEHOLDER PARTNERSHIP DIRECTLY BENEFIT COMMUNITY GROUPS
 in all aspects by providing support to rehabilitation and community development activities.

GOVERNMENT AGENCIES
 State Forestry Departments, Department of
 Agriculture (DOA), Department of Fisheries (DOF),
 Department of Orang Asli Development (JAKOA)
 and District Offices



Rewetting

Due to the importance and value of peatland in reducing CO₂ / GHG emissions, rewetting helps prevent peat fire and promote natural regeneration. ≥ 2,000 hectares of degraded peatland areas have been rehabilitated in Selangor and Pahang through rewetting with multi-stakeholder partnership.



Transferring wilding into polybags.



Backyard nursery by community.

Community Nurseries

Community groups propagate seedlings and transplanting wildings at nursery for selective and enrichment planting at rehabilitation sites. The tree species grown at the nursery are *Macaranga pruinosa*, *Melicope lunu-ankenda* (Gaertn.), *Alstonia scholaris* (L.) and *Eugenia papillose Duthie*.



Water level marker to monitor ground water level.



Patrollers change colour code on FDRS signboard.

Community-based Fire Prevention

Community involved directly as they have been appointed as patrollers to monitor peatland adjacent to their villages. Patrollers need to update daily alert of Fire Danger Rating System (FDRS) on signboards based on data from MET Malaysia. They record canal water level and join other rehabilitation activities.



Creative wood handicrafts.



DOF guide community on fish farming using water tank.



Community was practicing to harvest honey from the hive.

Capacity building

Alternative livelihood activities were introduced to the community such as stingless bee farming, mushroom farming and handicrafts. In order to ensure the community could sustain in activities that they involved, many trainings have been conducted to built their capacity. Social enterprises were involved in giving trainings focus on production, improving quality and marketing of community products.