



*d*ear colleagues,

As you will read in this edition of *LfS*, our network has been busy during the last two months. The secretariat has been receiving news from members in Indonesia, Cambodia, Nepal and Bangladesh, informing us of their activities.

## At the Secretariat

Aryanto Sujarwo, ARECOP's Program Officer, was invited as a resource person in a workshop, "Bringing Renewable Energy Down to Earth", held in Yogyakarta, Indonesia, from 2-6 October 2001. The event was organised by Yayasan Gemi Nastiti (Indonesia) and Sustainable and Peaceful Energy Network Asia (SPENA). Aryanto provided an overview of improved cookstove and kitchen improvement program.

In October, ARECOP, also provided technical expertise in the ICS Selection and Dissemination Training in Lao P.D.R.

Other activities in progress in the secretariat include, further updating of Gender Sensitive Participatory Monitoring and Evaluation tools and preparation for ARECOP's Planning Technical and Advisory meeting, to be held tentatively in Nepal, in March 2001.

## Networking

### Cambodia

#### *ICS training*

At the beginning of September CRS-Svay Rieng organized a 3-day training on the construction of *Samaki* (two pot-hole mud stove) and *Baphnom* stove (portable one pot-hole

stove) recently introduced by CEDAC. Training participants included field workers and farmers from 15 villages in Svay Tiem District, Svay Rieng Province. The training was facilitated by Mr. Bun Saborn, of CRS-Svay Rieng, with the technical assistance from Wood Energy Network of Cambodia (WENetCam).



Baphnom stove

#### *Monitoring and evaluation*

WENetCam conducted a Monitoring & Evaluation (M&E) with the following aims: 1) to analyse methods and strategies used by organisations implementing improved cookstove programs (ICP); 2) to find out problem/constraints, needs and possibilities of ICS dissemination throughout the country.

The results of M&E show a significant development in Improved Cookstove Program (ICP) after 4 years of its introduction. 19 of 27 organization/institutions trained in the past, have implemented, and other 6 are planning to undertake ICPs in the near future. Various strategies have been used in ICS dissemination in Cambodia. But the integration of ICS with other programs, especially Environment and Forestry, had been applied in most ICPs. Problems/constraints and needs were also identified, especially with regards to the availability actors skilled in the technical aspects of ICS.



### **Survey on Stove Marketing**

From September to October a study on stove marketing was conducted by WENetCam in Kampong Chhnang province. 4 different

types of stove: 2 types of traditional stove (*Siam & Lao-Kg. Chhnang*); and 2 types of ICS (*New Lao bucket & Twin*), were studied. The results of the study indicate that there are as many traditional stoves (TS) as improved stoves being produced. Due to its low price, TS is still very popular in the rural areas of Kampong Chhnang.



### **Publication**

WENetCam has also published booklets for users of *Samaki* and *Twin* stoves. The

booklets inform users on proper stove utilization, maintenance and repair.

## **Nepal**

“Trainers Training on Improved Cooking Stove” for Nepal’s ICS Network members was conducted from 23 - 28 September 2001 at Kavre district. The Trainers Training was followed by a six-day Promoters’ Training, during which participants formulated action plans.

**Centre for Rural Technology-Nepal (CRT-N)**, has recently published a booklet “Inventory of Improved Cooking Stove Activities in Nepal”. The Inventory provides an updated overview of improved cooking stove (ICS) activities-on going as well as future activities undertaken in Nepal; analysis of various as-

pects of ICS activities and their implications on the rural population.

**CRT**, Nepal ICS Network Secretariat is also organizing a field exchange and interaction visit for ICS Network members. The visit is being undertaken as part of **ARECOP** supported “Action Program for Strengthening Improved Cook Stoves in Nepal”. The visit will provide an opportunity to the network members to acquaint visually ICS activities in the field, which will provide wider vision to the members in planning and undertaking various ICS related activities in future. Participants will visit various organizations working in Lumjung district as well as observe and interact with local groups in the area.

## **Bangladesh**

As part of ICS networking program, a TOT (training of trainer) on ICS construction, use and maintenance was organized by the Institute of **Fuel Research and Development/ Bangladesh Council of Scientific and Industrial Research- (IFRD/BCSIR)** with the assistance of **Village Resource Education Centre** at IFRD auditorium from 6-11 October 2001. Emphasis was given on the construction of one-pot hole, two-pot hole, half-underground and raised type of ICS as well as theories on ICS.

## **Indonesia**

The **Indonesian Stove Network** in partnership with **Yayasan Dian Tama**, an NGO, based in Pontianak, Indonesia, is planning to conduct a training/apprenticeship on charcoal production. The training has several aims: a) to introduce ecological charcoal production methods; b) to empower participants to be able to utilise wastes and other under-utilised resources for charcoal production; c) to pass on knowledge on charcoal entrepreneurship, with regards to both improved production as

well as marketing. The training is planned for February to March next and will be conducted in **Yayasan Dian Tama's** Integrated Charcoal Development Centre, in Pontianak, West Kalimantan province.

### Thailand

Aryanto visited the **Asian Institute of Technology**, Thailand from 28 October to 1 November. At AIT, he visited Prof. S.C. Bhattacharya and Mr. Augustus Leon who are in charge of **Renewable Energy Technologies (RETS) in Asia**, a five year regional research and dissemination program to promote a few selected mature and nearly mature renewable energy technologies



AIT's Gasifier stove (IGS-2)

involving six Asian countries. The program was sponsored by the **Swedish International Development Co-operation Agency (Sida)**. Among technologies researched and disseminated are, improved biomass briquetting systems, improved briquette stoves and gasifier stove.

While in Thailand, Aryanto took the opportunity to visit an improved charcoal production project in Nakornratcha Province. A project on *Iwate* Kiln (a kiln developed in Japan, which produces high quality charcoal) dissemination is taking place in the province, exactly in Ban-Klong-Na village, Kritnasana Sikeiu district. The *Iwate* Kiln dissemination was being supported by **Japanese Charcoal Producer Association**.

## Training-Apprenticeship on Charcoal Production Integrated Charcoal Development Centre Yayasan Dian Tama, Indonesia.

Topics	Time and training methods
A. Planning production: <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Getting to know various types of charcoal</li> <li>• Introduction to charcoal raw materials</li> <li>• Introduction to various types of kilns</li> <li>• Distribution systems</li> <li>• marketing</li> </ul>	Class based 3 days
B. Charcoal production methods for and charcoal uses: <ul style="list-style-type: none"> <li>• Production methods for all types of charcoal and using all types of kilns</li> <li>• Charcoal applications in livestock production, agriculture and forestry</li> </ul>	Field practice 3 weeks
C. Kiln design <ul style="list-style-type: none"> <li>• Preparation for construction</li> <li>• Construction</li> <li>• Maintenance</li> </ul>	Field practice 2 weeks



Participants were conducting controlled cooking test

Soil kneading was made “compulsory” for participants!



## Lao P.D.R

**Lao Women Union** organised the first ICS Selection and Dissemination Training in Lao, from 22-27 October, 2001. Supports for the training were availed from the **Population Development International (PDI)**. While **ARECOP** provided the training syllabus and trainer (**ARECOP**'s Program Officer, Aryanto Sujarwo). All the trainees in the training came from Xaysomboun special zone.

Due to time constraints, the standard 11-day training was tailored to 6 days. Part of the training was a visit made to the Improved Thai Bucket Stove production centre, where participants got acquainted with the concept of stove dissemination through commercial means.

**Lao Women Union, PDI** and **ARECOP** are interested to conduct more ICS activities in Lao, since the needs for ICS is significant, considering the massive use of biomass energy in the country.