ARECOP PTA & CCP Meeting

IMPROVED COOKSTOVE OF PHILIPPINES

Accomplishments for January to December 2006

> 22-26 January 2007 Chiang Mai, Thailand

Planned activities

- Research & documentation
 - best practices in cooking energy in
- Support to local initiatives
- micro-lending for the commercialization & improvement of Mabaga stove
- Linkages & Alliance-building/Promotion
 - reparticipation to local & international meetings
 - join/orgnanize awards
- · Publication & electronic networking
- Improved kitchen design & models, IAP, Flyers & brochures on ICS, update of database on stoves & experts, website
- · Management & administration of the program

For January to December 2006, ARECOP funds for ICS-Philippines in the amount of EUR5,500 was used to leverage funds from

- UNDP Regional Energy Programme for Poverty Reduction (REP-PoR) for "Ambulant Food Vendors: Energy-Efficient Stoves & Hygienic, Healthy Food – A Pilot Project for the Urban Entrepreneurial Poor in the Philippines" in the amount of US\$42,000
- 2. ENERGIA Networking for Energy, Gender and Water Network (ENGENDER) of EUR5,000
- Approtech Asia micro-finance for ICS-Philippines partners & ICS Centers – PhP500,000

Accomplishments as Planned

- Research & documentation
- best practices in cooking energy using ICS with ambulant food vendors
- (1) Article contributions to Glow & ENERGIA News
- (2) report on the scientific research & commercialization activities related to ICS, clay cooking wares, clay water filter by Dr. Cris Lopez, Jr. (report on commercialization)
 - Support to local initiatives
 - financing the production & improvement of Mabaga stove for food vendors, household and partner organizations - US\$8,000
- Clay vs metal stoves MIRDC & PNOC comments



Pottery center Contact Person & Potter	No. of stoves sold in 2006	
	MABAGA charcoal	MALIYAB fuelwood
llocos Norte, Pangasinan, La Union, Isabela, Cagayan Valley Ms. Irma P. Acebedo & Lita Ulep	none	4,000
Iloilo, Antique, Guimaras Dr. Cris Lopez, Jr. & Rainier Roa	>2,000	>1,000
South Cotabato & Davao Mr. Emil Sumagaysay & Agustin Cabance	>1,000	800

Publication & e-networking tarpaulin for ICS partners, exhibition materials progress

Complishments continued: Linkages & Alliance-building participation in local & international meetings, seminarworkshops such as World Bank Clean Energy Week in Washington D.C. AlT Profesional Training Program on Appropriate Urban Environmental Management Technologies in Bangkok Zonta International-Makati Go Negosyo Fair & Exhibition with the Department of Science and Technology in Makati Mahal Ko Bayan Ko mabaga stove dealership in Tahanan Village, Tanza Resettlement Area, Quezon Memorial Circle and Nayong Pilipino Tanza Resettlement Area, Guezon Mondre Group Pilipino SEA RE on Development of Regional Competency Standards for Training in RE in Manila ASEAN Business Forum on RE in Makati ADB Clean Energy Week in Ortigas ENERGIA NFP Meeting in New Delhi

Accomplishments continued:

Unaccomplished as planned

- MPA pilot project training of trainers accomplished and community pilot projects implemented but were not carried out as planned by the partnerimplementing organizations due to fast turn-over of staff
- Documentation of the ICS commercialization approach of MFI – same as above and deadline was May 2006

Deviation from planned activities ability-building activities responsive & relevant interventions for sustainability beyond 2007 & Improved Kiln Construction – Iwate & Yoshimura Kiln in Davao City for the

- (1) production of high quality charcoal to compliment the *Mabaga* stove commercialization and improved heat efficiency spurred by the UNDP REP-PoR project on energy-efficient stove provision to food vendors households; food vendors are dealers of *mabaga*
- (2) Advocacy on improved IAQ & cleaner cooking energy

 (3) Reduction of greenhouse gas & black ash powder in the production process & preparation for the capability-building activities and linkages in the quantification of GHG reduction

 (4) increased income of charcoal producers with wood vinegar, and

 (5) introduction sustainable tree plantation & charcoal production.



Initiated and on-going projects: 1. micro-financing in green technology package ICS, improved kiln, Improved kitchen, rice-hull and wood chips gasifier for household and livelihood or business/industrial uses activities 2. Setting trends and commercializing clay cooking and serving wares for healthy lifestyle & greenhealth technology promotion – clay rice cooker with PNOC EDC "Pamana" (inheritance) wares 3. Renewable energy technology promotions, research and publications 4. Technology packages for disaster management and rehabilition such as food & livelihood technology packages, water potability & agriculture-use technology package, agriculture & food processing technology package, among others 5. Energy interventions among street food vendors for poverty reduction – ICS commercialization





NATIONAL NETWORKING PROGRAMME OF THE IMPROVED COOK STOVES IN SRI LANKA UNDER THE ASIA REGIONAL COOK STOVE PROGRAMME (ARECOP)

ACHIEVEMENTS IN CONJUNCTION WITH THE REGIONAL AND NATIONAL PRIORITIES

MILLENNIUM DEVELOPMENT GOALS OF SRI LANKA THAT ARE BEING SUPPORTED BY THE ARECOP PROGRAMME

- \bullet Control the reduction of forests and tree cover to maintain biodiversity and CO_2 absorption.
- Promotion of renewable energy resources.
- Protecting the Ozone Layer by the reduction of Green House Gas (GHGs) emissions.
- Support poverty alleviation by creating healthy living atmosphere for the poor.

INTERVENTIONS OF ARECOP PROGRAMME TO SUPPORT MILLENNIUM DEVELOPMENT GOALS

Control the reduction of forests and tree cover to maintain biodiversity and ${\rm CO_2}$ absorption.

- Improved stoves for household cooking and for small industries saves the amount of firewood used reducing cutting of trees.
- Improved technologies reduces the amount of firewood used in Kilns (Brick kilns, Pottery kilns, Bakeries etc.).

INTERVENTIONS OF ARECOP PROGRAMME TO SUPPORT MILLENNIUM DEVELOPMENT GOALS

Promotion of renewable energy resources.

- Introduction of ICS and other improved technologies promotes most efficient use of firewood which is the most common renewable energy resource.
- Introduction of improved technologies in the use of biomass results in maintaining the forest and tree cover levels for sustainability.

INTERVENTIONS OF ARECOP PROGRAMME TO SUPPORT MILLENNIUM DEVELOPMENT GOALS

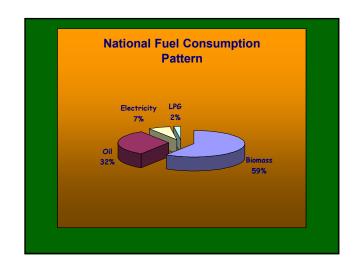
Protecting the Ozone Layer by the reduction of Green House Gas (GHGs) emissions

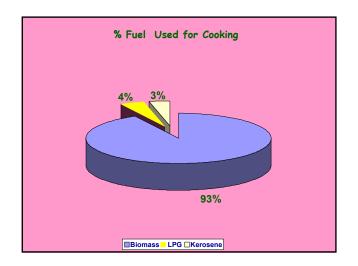
- Introduction of ICS in Sri Lanka has improved the combustion of firewood and has reduced emissions.
- Introduction of New technologies to kilns, Bakeries etc. has improved the combustion of firewood and reduced emissions.

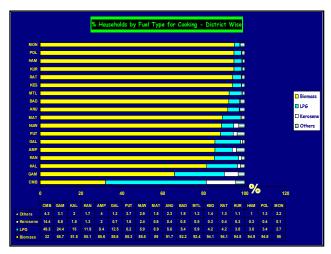
INTERVENTIONS OF ARECOP PROGRAMME TO SUPPORT MILLENNIUM DEVELOPMENT GOALS

Support poverty alleviation by creating healthy living atmosphere for the poor.

- Improved kitchens and ICS has reduced health risks caused by toxic emissions.
- Reduced health hazards has saved money for the poor.











Network members should be able to:

Acquire and use technical knowledge to implement ICS Programmes

Ability to seek funding for their own ICS Programmes

Develop capacity to sensitize Government and Non Government Agencies to create a demand

Communicate and share experiences and knowledge on ICS with other Network members

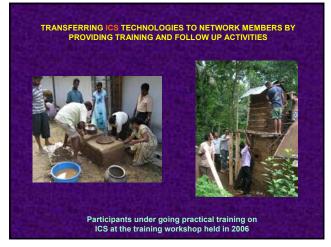
Share experiences and knowledge on other expertise with Network

Adopt and seek new technologies

Integrate ICS activities into other programmes which are being implemented by them

Interventions of IDEA to strengthen the Network members







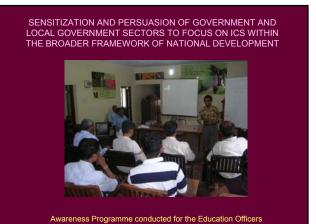
CREATING AWARENESS, SENSITIZATION AND PROMOTING ICS AND RELATED CONCEPTS AMONG FOREIGN AND LOCAL DONOR AGENCIES AND EXPOSE THEM TO NETWORK MEMBERS





Member of the National Steering Committee of the Global Environment Facility – Small Grant Programme (GEF-SGP) of the UNDP inspecting an improved brick kiln where they provided funds to our Badulla network member

International Agencies supporting ICS related activities implemented by local NGOs during Tsunami relief work in Matara District



PROVIDING EXPOSURE TO NEW TECHNOLOGIES TO EXCHANGE EXPERIENCES FOR THE NETWORK MEMBERS BY WAY OF CONDUCTING OVERSEAS AND LOCAL STUDY TOURS

STUDY TOUR OF INDIA



Participants at the Palmyra Workers Development Center



Participant inspecting a ICS in Tamil Nadu State







INDICATORS FOR THE SUSTAINABILITY OF THE ICS NETWORK: Continuation of activities under ARECOP Networking Programme Implementing ICS related activities with funds from other agencies Achieving/exceeding the expected targets in activities Increase in the network membership Trained persons continue to work in their respective NGOs

Indicators of progress and sustainability of the Network

INCREASE IN THE NUMBER OF AGENCIES THAT ARE WORKING WITH IDEA ON ICS AND BIO-MASS RELATED PROGRAMMES

- Global Environmental Facility Small Grant Programme of the UNDP
- Promotion of Tropical Forests Small Grant Programme of the UNDP
- Sewa Lanka Foundation
- · Sri Lanka Nature Forum
- Practical Action (ITDG)
- Energy Forum of Sri Lanka
- Energy Conservation Fund
- Plan International
- International Network for the Sustainable Energy (INFORSE-SA)

CONTINUED MEMBERSHIP EXPANSION IN THE **NETWORK IN YEAR 2006**

Name of the new Organization	District
Lower Uva Development Center	Badulla
People's Development Foundation	Ratnapura
Community Development Center	Kegalle
Rural Development Forum	Matale
Women's Development Foundation	Anuradhapura
Sri Dheerananda Credit Organization	Kandy
The Committee for the Peoples Rights	Kalutara
Women's Development Organization	Nuwara Eliya
Human & Environment Resource Management Institute	Galle

Problems in sustaining the national network

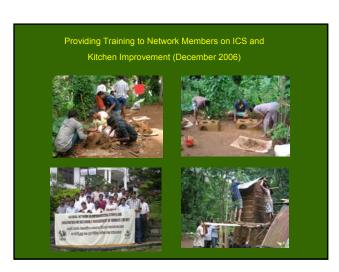
- Losing trained cadres
- Unsustainability of network member organisations
 Many of the CBOs collapse after the project period is over
 Excessive dependency on voluntary work
 Lack of expertise and inability to attract qualified personnel

 Lack of respect, support and cooperation by the government and the public and under estimation of the role played by the NGOs
- Levying taxes on foreign funds received
- Corruption, mismanagement lack of transparency in NGOs
- Reduction in donor funds
- Focus and attention on short term rehabilitation work (Tsunami) and availability of large funds for such type of work
- Focus of donor agencies on global and macro issues than on national than on national and local issues

SUGGESTED STRATEGIES TO ADDRESS THE PROBLEMS:

- 1. At the National level undertake a reclassification of network partners on the basis of agreed success criteria and institute a programme to strengthen the weak.
- 2. To revitalise the National Network introduce a regular dialogue forum at least annually.
- $\ensuremath{\mathsf{3}}.$ Contribute to the thinking of the National level networks to advocate policy level solutions.

ICS and Biomass related activities implemented by IDEA during the year 2006

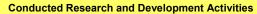














Rice Husk Gas stove made by a local artisans under the guidance of IDEA staff member



Rice Husk Gas stove made by a factory under the guidance of IDEA staff member

THE END AND THANK YOU

VIETNAM ICS NETWORK ACTIVITIES **REPORT IN THE YEAR OF 2006**

Mr Le Van Thong Mr Nguyen Cong Thinh

The Goals of Vietnam ICS Network phase 3

OBJECTIVES

- To publicize and publish as well as to share information among network members.

- Publication of leaflet with 1000 copies (2 times during 4 years)
 Assist 2-3 students with their research on ICS, kitchen improvement and health.
 20 people will have the skill to design and train on ICS through the TOT on ICS activities.
- 101 on ICS activities.

 20 people will have the skill and knowledge on kitchen improvement and health through the training on kitchen improvement and health.

 Publication of document related to kitchen improvement and health. 60 copies in Vietnamese and 30 copies in English.

 50 kitchens will have been improved through the pilot project on kitchen improvement and health.

 15 000 improved condistance will be installed through occurred.

- 15,000 improved cookstoves will be installed through network activities.
- Organize 3 national network meeting during 4 years.

Achivements

I. Network Expanding

- Attracts more members to join the network.

 Network members: RCAICE, VWU, JoE, PED, FSTAC, AULAC (VACVINA), CCRD, Ha Tay, Vinh Phuc, Yen Bai, Lang Son, Nam Dinh, Ninh Binh, Ha Tinh, Hai Phong, Nghe An, Quang Binh, Quang Mga, Bac Can, Bac Giang, Thai Nguyen, Ha Nam, Dien Bien, Hoa Binh, Thau Thien Hue, Dong Thap, Soc Trang, Tra Vinh provinces, AFAP Vietnam.



II. INFORMATION

- Publish quarterly newsletters and send to network member and interested orgs.
- From Oct 2005 to Dec 2006, 5 issues were published with 5000 copies.
- Designing, editing publishing material training, propagating.



III. Propaganda Campaign and **Training on ICS**

1. Propaganda campaign for ICS dissemination

Vietnam ICS Network organize and implement propaganda campaign activities to raise the awareness and information of improved cookstoves for stakeholders, end-users on their own.



III. Propaganda Campaign and Training on ICS



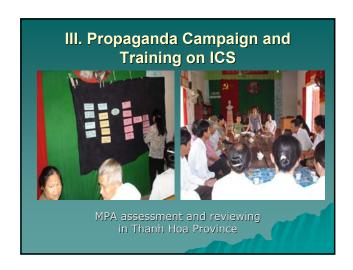


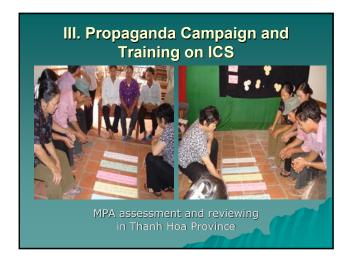
Propaganda campaign for ICS dissemination

III. Propaganda Campaign and Training on ICS

2. MPA Training

- After the training course in Ha Noi and Son Tay, July 2004, Vietnam Women Union carry out MPA in 8 villages. VWU also support and funded for these villages to implement ICS program.
- With the support of ARECOP, Vietnam ICS Network together with VWU conducted the MPA assessment and reviewing on July 2006 in Thanh Hoa province.

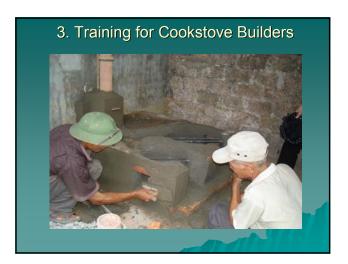






III. Propaganda Campaign and Training on ICS

- 3. Training for Cookstove Builders
- Following the TOT training for cookstove builders of the Network, some network members organized training courses for cookstove builders for itself.
- From Oct 2005 to Dec 2006, 11 training courses for cookstove builders were organized in the localities.
- Some people after participated in cookstove builder training, they become good trainers on ICS and working well with the community. They are Mr Nguyen Cong Minh (Ha Tinh), Mr Que (Huong Son), Mr Nguyen Van Hong (Ninh Binh), Mr Sang (Ha Tay).



3. Training for Cookstove Builders





IV. Workshop, Meeting

- ◆ MPA assesment and reviewing in Thanh Hoa provovince on July 2006.
- Collaboration with VWU to organize workshop on energy saving and conservation for households on Nov 2006.
- Network national meeting in Hanoi on Jan 2006.



Network meeting in Hanoi, Jan 2006



V. ICS Installed Projects

- RCAICE, VWU and other network members (FSTAC, IoE, PED and many provinces) implemented projects on ICS installed in localities.
- VWU provide funds for 64 provinces to conduct the water, sanitation and improved cookstove program.
- With the support from the energy saving and conservation program of Ministry of Industry, VWU is implementing 300 models using energy saving and conservation in 300 households.

V. ICS Installed Projects

- IoE: IoE continue to support the community to produce rice husk brick and sell it in the market and commercialization.
 PED: PED is conducting ICS dissemination program in Thanh Hoa province. 1000 ICS were built in some district and communes in this province.
 FSTAC: Continue to introduce ICS models at mountainous areas in order to minimized negative impacts caused by cutting down forest trees for firewood. FSTAC is starting a project funded by Worldbank to disseminate in the mountainous and in some middle provinces of Vietnam.



V. ICS Installed Projects

- AFAP has developed the ICS program at mountainous provinces like Yen Bai, Bac Can and Thai Nguyen. AFAP also develop program using ICS to dry tea leaves in Bac Can and Thai Nguyen provinces. 1400 tea leaves drying stoves were built at the end of 2006.

 Many provinces like HaTay, Ha Tinh, Thanh Hoa, Soc Trang, Tra Vinh, Dong Thap, Phu Yen... are also implementing the ICS program.

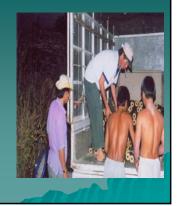


V. ICS Installed Projects



VI. ICS Commercialization

- and some network members continue to portable stove
- Support households



VII. Cleaner Biomass Fuel Technology

- ◆ IoE completed the project on rice husk briguetting.
- PED: Continue to research on wood gas stove
- RCAICE-HAU and AFAP: Implement project on ICS for tea leaves drying in Bac Can and Thai Nguyen.

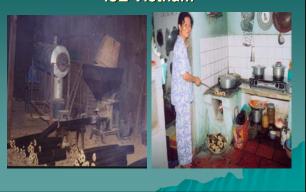
Project on rice husk briquetting – IoE Vietnam (continue from 2005)

- Briquette stoves
- Why improved briquette stoves ?
 - Efficiency

 (Briquettes cannot burn efficiently in woodstoves)
 - Convenience
 - Smoke (Environmental friendly)



Project on rice husk briquetting – IoE Vietnam



Project on rice husk briquetting – loE Vietnam



















Tea leaves drying project



Pilot stove building

VIII. Advocacy

- Vietnam ICS Network promote advocacy activities for ICS dissemination. The Vietnam Government has started the energy saving and conservation period 2006 – 2010 since April 2006.
- Biomass and household energy is one component of the program. With the national program, biomass and household energy will has more resources for implementation and development.
- Vietnam ICS Network and each members will cooperate and working with others ministries and organizations to implement this program.

IX. Monitoring and Evaluation

- In 2006, following the plan of ARECOP Secretariat, Vietnam ICS Network continue to conduct the monitoring and evaluation for all activities of ICS program.
- Vietnam ICS Network has appointed personnel to contact and work with network members and stakeholders to do the M & E.
- Results of the M&E is under preparing to finalize and will be complete on March 2007.

X. Strategy of the Network in 2007

- Integrated ICS with other program such as water sanitation, health care, poverty reduction and alleviation.
- Community participation mobilization.
- Decentralization: Develop, implement ICS projects at localities levels and working more with community and end-users.
- Resources diversification to attract more investment for the ICS program.
- ICS commercialization.
- Research and development on cleaner biomass fuel technology and renewable energy.

