

Presentation Indonesia



Chiangmay, January 2007

Goal & Objectives (2004 - 2007)

GOAL:

- To enhance the viability of biomass fuel as a manageable and environmentally sound energy source

OBJECTIVES:

- Indonesian ICS Networking more and more strengthen and sustainable
- Technological Development include the non-stove aspects
- Mainstreaming – Interaction and Raising support from potentials ESAs

• Objectives:

- Indonesian ICS Networking more and more strengthen and sustainable

□ Activities:

- Strengthen and Sustain the national network as sharing platform for organisations/institutions dealing with Biomass energy & ICS: having Regional sub focal point in Indonesia, National meeting and Indonesian sub regional meeting, develop Stove Information Center (stove, biomass, kitchen).
- Continue the Capacity Improvement of development stakeholders through various appropriate modalities: Training, Workshop, Exchange, study tour.
- Continue the Development & Updating the appropriate dissemination avenues: bulletin, homepage, poster, leaflet, film, books and CD.

• Objectives:

- **Technological Development** include the non-stove aspects

□ Activities: (Invention, Innovation, Adaptation and/or Adoption):

- R& D and Pilot Action
 - » biomass gasifier plant
 - » wood gas stove
- Indoor Air Pollution related Appropriate technology (non stove)
- Industrial and institutional stove

Objectives:

- **Mainstreaming** - Interaction and Raising support from potential ESAs (Heifer Program Indonesia, JICA, PLAN Indonesia, GTZ, DJLPE, VSO, CUSO, GEF ,etc)

Activities:

- communicating and giving technical assistance to integrate with their program
- send news and bulletin
- using home page and mailing-list as an interactive media communication and information
- maintaining relation with other networks

Development Program

ICS

Conservation
 Women's concerns/Gender
 Mothers & Child Care
 Economic Development
 Health, Water & Sanitation
 Environment Education
 Natural Disaster Management

ICS

The end of 2005 - 2006

Achievements – Strengthen and Sustain the National Network

5 sub Regional Focal Points

- Sulawesi, secretariat is Kelola in Manado
- Nusa Tenggara, secretariat is YDD NTT in Maumere
- Southern part of Sumatera, secretariat is Yayasan Bodronoyo back up by Heifer Indonesia in Palembang
- Northern part of Sumatera, secretariat is Yayasan Bian Insani in Medan
- Kalimantan, secretariat is Yayasan Dian Tama in Pontianak



Achievements - Capacity Building

Training on ICS

- Appropriate Training Manuals and Training Materials are developed in Indonesian language.
 - Technical, Non Technical and technique in mobilizing community resource - Methodology on Participatory Assessment
- ICS-Kitchen Improvement trainings in 5 sub Regional Focal Points more on the technical aspects
- 110 participants from 76 organizations are developed
- Training on Making Thai Bucket: 6 participants from 3 provinces
- Kitchen Improvement Refresher Training in Kalibawang Subdistrict Yogyakarta



Achievements - Capacity Building

Post Training Assistance & Support

- Development of ICS and KI activities in each organisation that participated in the above training
- Provide initial support: ICS and chimney mould; revolving fund for KI; sub regional focal point secretariat

Achievements - *Development of Dissemination Avenues*

• **Developing, Maintaining and Up Dating of Web Site**

- www.tungku.or.id in Indonesian and English version

Serve as :

- *Communication platform among members and CS activist (organisation and/or individuals)*
- *Up date knowledge about CS (or biomass) development and actions undertaken at global level*
- *Tool for awareness development - especially the importance of biomass as renewable energy source*

Achievements - *Development of Dissemination Avenues*

• **Various Publications - related to ICS**

- Translated manuals and dubbed films from arecop country members into Indonesian

• **Indonesian Stove Information Center**

- References, Books, Manuals, Film/CD, etc
- Models & Prototypes
- Information Service

Achievements - *R&D and pilot action*

• **Biomass Gasifier Plant**

- Bench Scale - Cold Model - on going

• **Rice Husk Gas Stove**

• **Wood gas stove for making palm sugar and coconut oil (on going)**



Achievements - Interaction and Raising support from potentials ESAs; Incorporation/integration of ICS into various development activities

- **Private Sector (coconut shell charcoal bricketting factory)**
 - Training on Making Thai Bucket
- **INGO (German Agro Action Sigli Nanggroe Aceh Darussalam)**
 - Need a training on Improved salt making stove (on going planning when training will be done)
- **NGO (Yayasan Pelangi Indonesia, active on Climate Change)**
 - Planning together about Carbon Credit related with ICS (on going)

Achievements – Methodology Participatory Assesment (MPA)
on ICS

- Conducted MPA in Lempong Pucung Village Cilacap District Central Java Province
- Community Planning:
 - Cookstove Option/”Dream stove”
 - No of little smoke stove
 - Not too much sooth that utensils do not get black and direty
 - Safe fuel
 - Durable
 - Not hot for the cook
 - Some want one hole stove (one hole for cooking palm sugar, two holes for house hold stove)
 - To realize the “dream stove”
 - Training (conducted in January 2006)
 - Dissemination:
 - By group: There are 2 group @ 10 people
 - By seller/order (who has been trained)

Achievements – Methodology Participatory Assesment (MPA) on ICS

- Results:
 - 14 HH ICS (2 holes) has been built among the member of the 2 groups
 - 2 ICS (one hole) for making palm sugar
 - Some HH ICS has been made and to be bought by the neighbouring village
 - Conducted ICS competition to promote the ICS dissemination in Indonesia independece day celebration: there ware 3 winners from 5 groups @ 3 people



Monitoring using MPA not yet done

Achievements – ICS Monitoring
Location:


- East Nusa Tenggara, East Java, Central Java, Yogyakarta, North Sulawesi, West Kalimantan (Northern and Southern Sumatera on going)

Categories to monitor:

- Production and ICS Commercial Cadre
- HH-Institution ICS/non-commercial ICS
- ICS Network participants
- Sub Regional Focal Points

Results:

- 6 types of ICS
- efficiency : 15 – 20%
- No. of ICS: difficult having exact data



Progress and Achievement of 2006

District Networking Activities

- New Organizations of the Districts Entered as a Coordinating District in Ilam and Surkhet
- Network Meeting Organized in Ilam, Surkhet, Dang and Dhankuta Districts
- Promoters Association in Dang Organized a Demonstration of Various Models of ICS During their Festival



Information Sharing

- Briefing of Network Activities to the Educational Institution and Support Student Initiatives on August 3 and 4, 2006 Respectively
- Shared Network Information to Number of National and International Visitors at CRT/N and Briefed them About ICS Network Activities

Support for Small Initiatives

- Gender Baseline and Replication of Kitchen Management Concept in Palpa, District Jointly Supported by ARECOP and GEW Net
- Orientation on Briquetting Stove to the Street Vendors
- ICS Network Organized ICS Promoters Training Followed by Monitoring Support Visit to Program Areas of CWS Pokhara



Research and Development



- Development of Rice Husk Gasifier Stove (Will be Disseminated in Dang District)

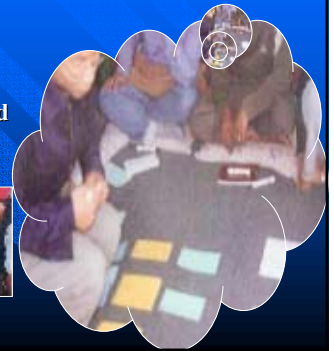
Student Support Program

- Development of Water Pasteurizing Unit for Improved Cookstove Program (Nepal Pulchowk Campus)
- Studies on the Prospects and Challenges of Beehive Briquette in Kanalthok VDC (Tribhuvan University)
- Performance Testing of Improved Cooking Stoves in Terms of Insulation and Fuels Used (Kathmandu University)
- Performance Analysis of ICS (Kathmandu University)



Implementation of Pilot Field Test on Methodology for Participatory Assessment on Improved Cookstove Program (MPA)

- Translation Completed
- Trainings Accomplished



Publication and Knowledge Sharing

- Chulo Wall Newsletter (June and December 2006)
- Resource Centre Updated
- ICS Dispatch (June, September 2006)



Monitoring and Evaluation of ICS Network



Objectives

- Collection and Compilation of Comprehensive Data (Qualitative and Quantitative)
- Guidelines and Strategy for National and International Level Network Activities.

Project Period

- ARECOP Phase I to Phase III (Mainly Concentrate on Phase II and Phase III)

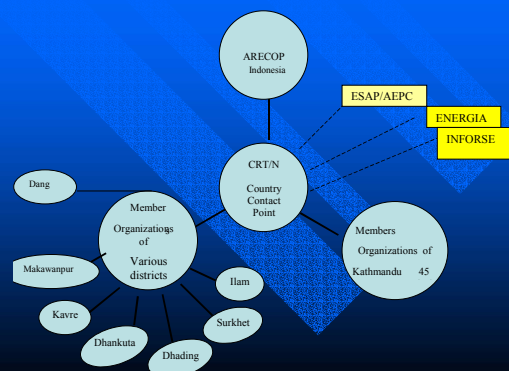
Methodology

- Primary Data Collection
 - Questionnaire
 - Interview/Organization Visit
- Secondary Data Collection:
 - Literature Review
 - Implemented Documents Based on ARECOP Program

Project Achievements

- Network Geographical Working Area
 - 45 Network Members Based in Kathmandu
 - 6 District Networks
 - Possible Extension in Makwanpur and Baglung

Linkages to Regional and International Network Organization



Publications



Capacity Building

- 4 Different Training on Capacity Enhancement
- 20 National ICS Network Meeting Since First Phase

Photos of Training/Workshops/Meetings





Information Sharing

Information Dissemination and Exchange

Regular Publication:

- 14 Issues of ICS Dispatch (in English)
- 10 Issues of Chulo Newsletter (in Nepali)
- 3 Issues of Chulo Wall Newsletter (in Nepali)

Supplementary Publication

- 15 Different Publication Including Newsletter, Case Studies, Manuals Since 1999 to 2005 November
- 7 Different Articles Contributed for Glow Magazine Since 2002

Models of Stoves Developed and Demonstrated



Action Plan for 2007

Compliment and Support the Biomass Development Program of Government of Nepal and ESAP (PhaseII)

Information Exchange

- Strengthening ICS Resources Centre
- Publication of Quarterly ICS Dispatch
- Publication of Half Yearly Chulo Newsletter
- Update the ICS Network Website
- Distribution of Information Material

National and District Level Network Expansion

- Strengthening National ICS Network
- District ICS Network Meeting
- Strengthening ICS District Network

Capacity Building

- Support to the Small Initiatives
- ICS Technology Transfer for Hill High and Terai Region
- Support to Small Initiatives for Local NGOs and CBOs
- District Level Field Exchange Visit

Research and Development

- Commercialization of ICS Specially for Micro-Enterprise

PART II

Strategies & Approaches Towards Strengthening ICS Network

- Joint Collaboration and Partnership from Members
 - Advocate Common Policy and Commercial Approach of Stove Dissemination
 - Sharing of Ideas, Innovations and Experiences from the National Level, Regional and International
 - Program Related to Piloting and Research Works such as Promotion of Briquetting and Gasification.
 - 50% Contribution from CRT/N and Other Members
 - MoU with the Kathmandu University, RECAST and INGOs
- Interlink with Other Networks such as ENERGIA, INforSE

How Sustainable is the National Network?

- 50 % Contribution from CRT/N and other Members
- Cost Incurred from Promotional Materials
- Joint Partnership and Collaborative Works
- Linkage with Other Networks

Problems & Obstacles

- Previous Country Situation
- Difficult to Generate 50% Contribution from CRT/N and Other Members
- Lack of Appropriate Stove Design to Cater to the Demand of Various Ethnic Groups and Stove for Micro-enterprises

Challenges and Opportunities

- Linkage Among Regional, National and International Organization
- Government Policy (Expansion on Terai and High Hill)
- Advantage of Having Diverse Members (Policy Level, Academician, R&D, Implementation, Grassroot)
- Higher Opportunities for Biomass Sector Development (ICS and Other designs) due to Positive Policies of Government of Nepal