

Combining Energy Access and Climate Protection:

How Energy Can be Provided Sustainably, Reducing Emissions and Increasing Well-being

Published by International Network for Sustainable Energy, INFORSE, 2014.

Updated in December 2014, and May 2014.

"Southern Voices on Climate Change"

Project Link: www.southernvoices.net

INFORSE-Asia:

www.inforse.org/asia

INFORSE-Africa:

www.inforse.org/africa

Publication: "Combining Energy Access and Climate Protection" 2014:

www.inforse.org/energyaccess-climate.php3

Publication: "Energy Access", 2012:

www.inforse.org/energyaccess.php3

INFORSE - International Network for Sustainable Energy in cooperation with ENDA - Energie-Environnement-Développement, Senegal; INSEDA - Integrated Sustainable Energy and Ecological Development Association, India; Mali Folkecenter Nyetaa, Mali; CRT-Nepal; Grameen Shakti, Bangladesh; and CDI - Climate Development Initiative, Uganda.

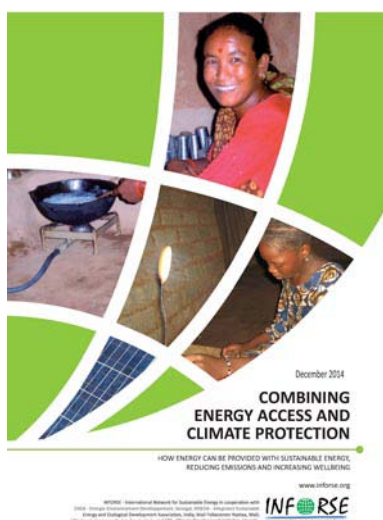
The cases were collected in the framework of the Programme **"Southern Voices on Climate Change"**. The Programme was organised by a consortium of five Danish NGOs, Climate Action Network, and IIED. It is coordinated by CARE Denmark and funded by the Danish International Development Agency (DANIDA). INFORSE activities also include INFORSE-South Asia, INFORSE-Africa, INFORSE-Europe, and the Danish INFORSE member "Sustainable Energy" (in Danish: *VevarendeEnergi*).

This publication highlights sustainable energy solutions that improve energy access and livelihood even as they reduce greenhouse-gas emissions. It was produced by *INFORSE, the International Network for Sustainable Energy*, in cooperation with *ENDA/INFORSE-West Africa, INSEDA/INFORSE-South Asia*, as well as other INFORSE members as *Mali Folkecenter, CRT Nepal, and Grameen Shakti*.

Many people have contributed to this publication, and we thank them for their contributions. The primary contributors to each case are listed at the start of the case on which they worked, as well as at the contact details on the last two pages.

Editors:

Gunnar Boye Olesen, INFORSE Secretariat, INFORSE-Europe, SustainableEnergy, Denmark
 Djimingue Nanasta, INFORSE-West Africa, ENDA, Senegal,
 Raymond Myles INFORSE-South Aia, INSEDA, India, and
 Judit Szoleczky, INFORSE/INFORSE-Europe Secretariat
 Text advice: Niki Fowler



Publication: Combining Energy Access and Climate Protection" 2014

How Energy Can be Provided Sustainably,
Reducing Emissions and Increasing Well-being

Table of Contents

Energy Access and Climate Protection – Overview and Summary	... page 3
Mali: Solar Lantern for Rural Household Lighting and Cell Phone Charging by Mali Folkecenter	... page 7
Mali: Jatropha Oil Production for Local Energy Use by Mali Folkecenter	... page 11
Togo: Solar Lamp for a Households by ATODES/ENDA	... page 15
Senegal: Baking Ovens: Improved Hybrid Ovens Using Gas/Woodfuel by ENDA	... page 21
Senegal: Removal of the Subsidy on LPG by ENDA	... page 24
India: Carbon Credit for Household Biogas Plants, by INSEDA	... page 28
India: Bamboo Used at Biogas, Solar within Eco-Village Developments by INSEDA and WAFD	... page 35
India: Solar Dryers for Income Generation by AIWC	... page 44
Sri Lanka: 'Anagi' Improved Cookstoves' Commercialisation by IDEA	... page 52
Nepal: Improved Water Mills by CRT Nepal	... page 61
Bangladesh: Solar Home Systems with Micro Credits by Grameen Shakti	... page 69
Contacts	... page 74

CONTACTS page 1/2



International Network for Sustainable Energy

INFORSE, International Network for Sustainable Energy

URL: www.inforse.org

att. Gunnar Boye Olesen, Judit Szoleczky
Adress: Klosterport 4 E, 1st floor, DK-8000
Aarhus C, Denmark
T: +45 86227000, F: +45 86227096
E: ove@inforse.org, inforse@gmail.com

INFORSE- West Africa Coordinator

W: www.inforse.org/africa



ENDA Energy, Environment, Development

URL: www.endaenergie.org, www.endaenergy.org

att: Djimingue Nanasta, Secou Sarr
Adress: 54 rue Carnot, BP 3370, DAKAR, Senegal
T: +221 338 22 59 83 / 338 22 24 96, F: +221 33 821 75 95
E: enda.energy@endaenergie.org



MFC - Mali Folke Center Nyetta

URL: www.malifolkecenter.org

att. Ousmane Ouattara, Ibrahim Togola
T: +223 2020 0617, +223 2020 6004, F: +223 2020 0618
Mali BP E4211, Bamako, Republic of Mali



ATODES-Ed Association Togolaise pour le Developpement de l'Energie Solaire / Environnement Developpement

URL: www.atodes.org

att. Romuald Sambiani, Joseph Y. L. Kogbe
Adress: BP: 65 Agbodrafo - Togo.T: +228 23 35 18 60
E: atodes_solaire@yahoo.fr, romuald@atodes.org, josephkogbe@yahoo.fr

INFORSE-South ASIA

International Network for Sustainable Energy

INFORSE-South Asia Coordinator

W: www.inforse.org/asia



INSEDA - Integrated Sustainable Energy and Ecological Development Association

URL: www.inseda.org

att. Raymond Myles
Adress: WZ A-5, First Floor, Asalatpur, Janak Puri, New Delhi-110058, India.
T: +91 11 25504533 and +91 11 25644038, E: info@inseda.org
inseda@inforse.org, ray.myles06@gmail.com

CONTACTS page 2/2



WAFD - Women's Action For Development

URL: www.wafdindia.org

att. Zareen Myles

Address: WZ-34/5, Asalatpur, A-2, Janak Puri, New Delhi 110058, India.

T: +91 11 2561 0344 (New Delhi office) or +91 5644.228.772

(Bharatpur Office)

E: wafd@wafdindia.org, zareen_myles17@yahoo.co.in

INFORSE National Focal Point - India



AIWC - All India Women's Conference

URL: www.aiwc.org.in

Att Lalita Balakrishnan, Madhu Bajpai, Usha Nair

Sarojini House, 6 Bhagwan Dass Road, New Delhi-110001, India.

T: 91-11- 23389680/1165, E: info@aiwc.org.in

E: president@aiwc.org.in, lalitalalakrishnan@gmail.com

INFORSE National Focal Point - Sri Lanka



IDEA - Integrated Development Association

URL: www.ideasrilanka.org

att. R. M. Amerasekera

Address: Galmaduwwatta Road, Kundasale, Sri Lanka.

T: +94 81-2423396, F: +94 81 4470649, E Mail: idea@sltnet.lk

INFORSE National Focal Point -Nepal



CRT Nepal, Centre for Rural Technology, Nepal

URL: www.crtnepal.org

att. Ganesh Ram Shrestha, Subarna Prasad Kapali, Ashma Pakhrin

Address: Bhanimandal, Lalitpur, G.P.O. Box 3628, Kathmandu, Nepal.

T: +977-1-5530071, -5544758, -5547627

E: info@crtnepal.org, ganesh@crtnepal.org

INFORSE National Focal Point - Bangladesh



Grameen Shakti

URL: www.gshakti.org

att Abser Kamal, M Shahidul Islam, Mohammad Mahmodul Hasan

Address: Grameen Bank Bhaban, 19th fl, Mirpur-2, Dhaka-1216, Bangladesh.

T: +880-2-9004314, -8035347, F: +880-2-8035345

E: g_shakti@grameen.net, g_shakti@grameen.com