

# APPENDIX G

## FULL LIST OF INTERVENTIONS\*

A70

Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
BCSIR: Improved Cookstove Program	BCSIR - Bangladesh Council of Scientific and Industrial Research	Bangladesh Ansar and Village Defense Party (Ansar-VDP); Bangladesh Rural Development Board	Bangladesh Government	1988 – 2001	Bangladesh
BCSIR/LGED Biogas Plant Program	Bangladesh Council of Scientific and Industrial Research (BCSIR); Local Government Engineering Department (LGED)	Union Parishads; Bangladesh Department of Agricultural Extension; Bangladesh Department of Livestock Services	Bangladesh Government; Global Environment Facility	1988 – 2005	Bangladesh
National Domestic Biogas/Manure Program	Bangladesh Government through the Infrastructure Development Company (IDCOL); Kreditanstalt fur Wiederaufbau (KfW); Netherlands Development Organisation (SNV)	23 partner organisations, including construction, lending and manufacturing partners	Kreditanstalt fur Wiederaufbau (KfW); Netherlands Development Organisation (SNV)	2006 –	Bangladesh
Sustainable Energy for Development Program (SED)	Bangladesh Ministry of Power, Energy and Mineral Resources; German GIZ	Over 200 partner NGO organisations and micro-enterprises	Deutsche Gesellschaft fur Internationale Zusammenarbeit GmbH (GIZ)	2004 – 2010	Bangladesh
Demand Experiments on Improved Cookstoves in Bangladesh	Center for Economic Policy Research (CEPR); the Department for International Development/ London School of Economics/University of Oxford International Growth Centre (IGC); National Bureau of Economic Research (NBER); Stanford Medical School; Yale School of Management	BRAC	National Institute of Child Health and Human Development; National Science Foundation; DFID/LSE/ Oxford International Growth Centre; Woods Institute for Environment; Stanford University; Yale University	2008 – 2009	Bangladesh
Indoor Air Pollution Reduction Program	Winrock International; Village Education Resource Center (VERC); Concern Worldwide Bangladesh (Concern)	Appropriate Rural Technology Institute (ARTI), India	USAID	2005 – 2007	Bangladesh
New Lao Stove: an improved cookstove for improved lives	GERES, Cambodia	Cambodian Ministry of Energy, Mines and Industry; RWEDP programme, FAO	European Commission	2002 – 2009	Cambodia

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Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
World Bank/ Government of China Indoor Air Pollution program	Government of China	World Bank	World Bank/Government of China	2002 – 2006	China
Health education to children and heads of households on health risks of arsenic exposure in food dried over coal fires	Guizhou Centers for Disease Control	UNICEF	Government of China	2005 –	China
National Improved Stove Program (NISP)	Chinese Ministry of Agriculture's Department of Environmental Protection through County Regional Energy Offices (CREOs)		Government of China	1983 – late 1990s	China
UNDP-PPPUE Improving Supply Chain for Liquefied Petroleum Gas Access in the Tamale Metropolis	New Energy	Tamale Metropolitan Assembly; Tamale/Savelugu LPG User Association; UNDP Ghana Office, Accra; Ghana Ministries of Energy and Finance	UNDP	2005 – 07	Ghana
LPG Rural Energy Challenge	World Liquid Petroleum Gas Association (WLPGA) and UNDP		UNDP	2003 – 2006	China, Ghana, Honduras, Morocco, South Africa and Vietnam
Social Investment Fund/Fondo de Inversion Social (FIS) Program	Department of Baja Verapaz, Intervida (NGO); FIS (decentralised government agency); private manufacturers supply stove parts (plancha chimneys)			1996 – 2001	Guatemala
Intervida Program	Department of Baja Verapaz, Intervida (NGO); FIS (decentralised government agency); private manufacturers supply stove parts (plancha chimneys)			1999 – 2001	Guatemala
Tezulutlan Project	Department of Baja Verapaz, Intervida (NGO); FIS (decentralised government agency); private manufacturers supply stove parts (plancha chimneys)			1999 – 2005	Guatemala

A71

*Table continued on the next page...*

Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
Randomized Exposure Study of Pollution Indoors and Respiratory Effects (RESPIRE)	University of California, Berkeley; University of Liverpool; Universidad del Valle, Guatemala; University of Bergen, Norway		National Institute of Environmental Health Sciences (NIEHS); WHO; AC Griffin Family Trust.	2002 – 2004	Guatemala
Mirak Improved Stove	Centre de Recherché en Development International (CRDI); World Bank; CARE Haiti; Bureau des Mines et de l'Energie (BME)			1983 – 2009	Haiti
Deepam Scheme to promote liquefied petroleum gas (LPG) connections	Development of Women and Children in Urban Areas; Van Samrakshan Saniti (Forest Protection Committee).	Andhra Pradesh State Civil Supplies Corporation (APCSC); District Rural Development Agencies (DRDAs)	Government of Andhra Pradesh	1999 – 2002	India
National Programme on Improved Chulhas (Andhra Pradesh)	Non-conventional energy Development Corporation of Andhra Pradesh (NEDCAP); Khadi & Village Industries Commission (KVIC)	Regional Engineering College, Warangal; Indira Awaz Yojana	Government of India	1983 –	India
National Programme on Improved Chulhas (Gujarat)	The programme was first implemented in Gujarat by the Forest Department (1983-1988), and subsequently by the Rural Development Agency	Gujarat Energy Development Agency (GEDA); Khadi and Village Industries Commission (KVIC); National Dairy Development Board; All India Women's Conference; MS University Baroda	Government of India	1983 –	India
National Programme on Improved Chulhas (Haryana)	Haryana Department of Women and Children through a network of over 7,000 mahila mandal women's groups	Energy Research Centre, Punjab University	Government of India	1983 –	India
National Programme on Improved Chulhas (Karnataka)	Department of Rural Development and Panchayat Raj; Indira Awaz Yojana and Swacha Grama schemes.	Karnataka State Council and Technology	Government of India	1983 –	India
National Programme on Improved Chulhas (Maharashtra)	Rural Development and Water Conservation Department; Maharashtra Energy Development Agency; Khadi & Village Industries Commission (KVIC)	Appropriate Rural Technology Institute, Pune	Government of India	1983 –	India
National Programme on Improved Chulhas (West Bengal)	Social Welfare Department and the West Bengal Renewable Energy Development Agency; Khadi & Village Industries Commission (KVIC). A network of over 150 NGOs.	Kalyani University	Government of India	1983 –	India

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Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
Gosaba Rural Electrification Project	West Bengal Renewable Energy Development Agency (WBREDA); Indian Ministry of Non-conventional Energy Sources (MNES); Sunderban Development Department, Forest Department and South 24 Parganas Zilla Parishad		MNES (75%); State of West Bengal (25%)	1997 –	India
HPGAS Rasoi (community kitchens)	Hindustan Petroleum Corporation		Private company: Government of India Enetrprise	1998 – current	India
Room to Breathe (RtB)	Shell Foundation; Envirofit, First Energy and SELCO	Grameen Koota (GK) microfinance institution; Department of Rural Development and Panchayati Raj; Minister of Social Welfare, Karnataka; Deputy Commissioner, Shimoga District; CEO Zilla Parishad, Shimoga District	Shell Foundation	2008 – 2012	India
National Biomass Cookstoves Initiative (NBCI)	Ministry of New and Renewable Energy (MNRE)	Indian Institute of Technology, New Delhi Institute of Minerals & Materials Technology(IMMT) Maharana Pratap University of Agriculture & Technology	MNRE	2009 –	India
National Project on Biogas Development (NPBD)	Ministry of Non-conventional Energy Sources (MNES) through State Nodal Departments and Agencies (such as the Department of Rural Development, Agriculture, Science & Technology); Khadi & Village Industries Commission (KVIC); the National Dairy Development Board (NDDB).	9 technical institutes based in agricultural universities; Reserve Bank of India (RBI); National Bank for Agriculture and Rural Development (NABARD)	Government of India and individual states	Launched in 1981 - programme evaluation in 2002	India
Commercial Kitchen Improved Cookstove Initiative	Sustaintech India Private Limited (SIPL); Technology Informatic Design Endeavour (TIDE)			2007 –	India

A73

Table continued on the next page...

Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
Strategies for Improved Cookstove Adoption in India	Duke University	The Energy and Resources Institute (TERI), India Central Himalayan Rural Action Group (Chirag), India Nexleaf Analytics, Los Angeles, CA Scripps Institution of Oceanography, San Diego, CA	TRAction/USAID	2011 – ongoing	India
Indonesia Domestic Biogas Program (IDBP), known locally as the BIRU (Biogas Rumah) program	Government of Indonesia; the Humanist Institute for Development Cooperation (HIVOS) (Program Manager)	Netherlands International Development Organisation (SNV)	Dutch Government	2009 – 2013	Indonesia
Indonesia Clean Stove Initiative (CSI), part of the East Asia Pacific Clean Stove Initiative	World Bank	Global Alliance for Clean Cookstoves (GACC)	AusAID; World Bank Asia Sustainable and Alternative Energy Program (ASTAE)	2012 – 2030	Indonesia
Indonesian kerosene to LPG conversion	Pertamina			2007 – 2012	Indonesia
Energising Development Kenya	EnDev	Ministry of Energy / Ministry of Agriculture / Ministry of Education / NGOs / Private Sector Players / Church Organisations	German-Dutch-Norwegian Energy Partnership programme, Energising Development (EnDev).	2005 - 2012	Kenya
Kenya Lou pilot cookstove improvement project	Centers for Disease Control and Prevention, Kenya Medical Research Institute	Safe Water and AIDS Program (SWAP)		July 2008–March 2009	Kenya
Smoke Project	Intermediate Technology Development Group (ITDG)	Liverpool University (UK) University of Nairobi (Kenya)	DFID; WHO; GlaxoSmithKline; Veta Bailey Charitable Trust; Ajahma Charitable Trust; Emerging Markets	1998-2001	Kenya

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Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
Clean Stove Initiative (CSI) for Laos PDR	World Bank	Ministry of Energy and Mines (MEM); Ministries of Agriculture and Forestry, Science and Technology, Health, Finance, Industry and Commerce, Natural Resources and Environment, and Information, Culture, and Tourism; National University of Laos; and Lao Women's Union.	AusAID	2013-	Laos
Patsari Stove Project	Interdisciplinary Group for Appropriate Rural Technology (GIRA) and Center for Ecosystems Research (CIEco), Autonomous University of Mexico (UNAM); University of California, Berkeley		Shell Foundation in collaboration with the Institute of Engineering at UNAM and the Mexican Government	2003-2006	Mexico
Improved Space Heating Stoves Program	Mongolian Ministry of Nature and Environment; World Bank, Energy Sector Management Assistance Program (ESMAP)	Mongolian Women's Federation Mon San Co.	Golden Development Fund (XAC)	2003-2007	Mongolia
The Nepal Biogas Support Programme	Initiated by the Netherlands Development Organisation (SNV)	Government of Nepal, DGIS, KfW, the Agricultural Development Bank of Nepal (ADB/N); SNV; Gobar Gas Company		1992 - 2003	Nepal
Energy Sector Assistance Program	Nepalese Government through the Alternative Energy Promotion Center (AEPC); Energy Sector Assistance Program (ESAP)	Coordinated by local government	The Nepalese, Danish and Dutch Governments provided funding of roughly \$60 million.	1999-2012	Nepal
Healthy Hoods Project	Practical Action	Bosch and Siemens Home Appliances Group (BSH); Bundeswehr University, Munich; central and local government in Nepal.	Practical Action	2011-2013	Nepal
Pilot Commercialization of Improved Cookstoves in Nicaragua	The Energy Sector Management Assistance Program (ESMAP) (a global technical assistance partnership administered by the World Bank and sponsored by bi-lateral official donors)	Comision Nacional de Energia (CNE); PROLEÑA; Center for Entrepreneurship in International Health and Development School of Public Health University of California, Berkeley	World Bank and donors from Belgium, Canada, Denmark, Finland, France, Germany, the Netherlands, Norway, Sweden, Switzerland, and the United Kingdom.	2002	Nicaragua

A75

Table continued on the next page...

Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
Peru Healthy Kitchen/ Healthy Stove	Winrock International; Centro de Ecología y Género (Centro ECO)		USAID	2003-2007	Peru
Study Testing Selected Behaviours to Reduce Indoor Air Pollution Exposure in Young Children	Medical Research Council of South Africa; Academy for Educational Development; Manoff Group		USAID CHANGE Project; AED with the Manoff Group.	Winter 2002	South Africa
Community Counselling in Rural South Africa	University of the Witwatersrand	Medical Research Council of South Africa		2005-7	South Africa
LPG Exchange and Subsidy Programme	Eskom, state utility company	Department of Minerals and Energy (DME); Liquid Petroleum Gas Safety Association of Southern Africa (LPGASA)	Eskom	2006	South Africa
Anagi Improved Cook Stove Program	Ceylon Electricity Board (CEB); Ceylon Institute of Scientific and Industrial Research (CISIR); Industrial Development Board (IDB); Integrated Development Organisation (IDEA); Intermediate Technology Development Group (ITDG); National Engineering Research and Development Centre (NERD); Overseas Development Administration, now DFID (ODA)		Phase I: ODA, Novid (Netherlands), Helvetas (Switzerland), Vita and ATI (USA), Dian Desa (Indonesia) and Gandhiniketan (India). Phase II: Ministry of Power and Energy and the Netherlands Directorate-General of Development Cooperation (DGIS). Phase III: CEB, ODA, the Ministry of Power and Energy. Phase IV: IDEA, Asia Regional Cookstove Project (ARECOP) and UNDP.	1972 - 2005. The four phases were: Design and testing (1972-1983); Promotion and Dissemination (1985-1990) through the National Fuel-wood Conservation Project; Commercialisation (1987-1996) through the Urban Stoves Project and the Rural Stoves Marketing Project; Diversification and reaching the poor (1996-2005)	Sri Lanka
Carbon Clear's Clean Cookstoves Project	Carbon Clear and World LP Gas Association	Practical Action, WDAN (Women Development Association Network) Nile Petroleum	Registered carbon credit program	Ongoing	Sudan

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Title of Intervention	Lead Implementer(s)	Partners/Advisors	Funder(s)	Dates	Country
LPG Stove Scale-up	Practical Action	Women Development Associations developed by Practical Action to train women in various aspects of entrepreneurship	Department for International Development (DFID), the WHO and several smaller trusts and donors.		Sudan
Ugandan Energy Saving Stove Project	Gesellschaft für Technische Zusammenarbeit/ German Federal Ministry for Economic Development and Cooperation (GTZ)	Ugandan Ministry of Energy and Mineral Development; NGOs involved in implementation, community mobilisation, awareness raising, trainings, and monitoring. Makerere University in Kampala (technical backup).	Co-financed by the Dutch government and part of the wider Ugandan-German "Promotion of Renewable Energy and Energy Efficiency Programme" (PREEEP)	1999-2008: Phase I (1999-2004), Phase II (2005-2008)	Uganda
Strategies for Improved Cookstove Adoption in Rural Uganda	Impact Carbon	Haas School of Business at the University of California, Berkeley; Centre for Integrated Research and Community Development (CIRCODU), Uganda; Global Village Energy Partnership (GVEP), Uganda	TRAction/USAID	2011-ongoing	Uganda
Strategies for Improved Cookstove Adoption in Urban Uganda	PATH	Berkeley Air Monitoring Group (BA); Centre for Integrated Research and Community Development (CIRCODU), Uganda; Joint Energy and Environment Programme (JEEP), Uganda	TRAction/USAID	2011-ongoing	Uganda
Ugastove	Uganda Stove Manufacturers Ltd (Ugastove); Haas School of Business, University of California, Berkeley	Market research NGO CIRCODU	2004-06	2004-	Uganda

A77

\* These 55 interventions were included as a result of the literature review process described in the main report.

Table continued on the next page...