



Romana Manpreet

GLOBAL ALLIANCE FOR CLEAN COOKSTOVES

ENABLING MARKETS WORLDWIDE 2011-2012

Dear Friends,

I'm pleased to bring you the Global Alliance for Clean Cookstoves' second year report, which coincides with the completion of my first year as Executive Director.

My primary aim this year was to harness the energy and momentum from the Alliance's launch to move towards concrete and strategic action on the ground. I am proud to say that the Alliance is on solid footing to achieve both its mission to create a thriving global market for clean, safe, and efficient cooking solutions and its goal of 100 million households adopting clean and efficient cookstoves and fuels by 2020.

We're taking an approach that is still fairly new in international development: creating and sustaining markets to help the more than 500 million households around the world that still

cook over open fires or on traditional cookstoves. Our market-based approach brings the power of the private sector in concert with the passion and knowledge base of the non-profit world. Coupled with the commitment of governments from developed and developing countries, the can-do attitude of the business community, and international research expertise, we have formed a dynamic partnership that is already yielding strong results.

Our market enabling approach includes both activities for the good of the sector at large and tailored support to organizations that can scale production, distribution, and adoption. This approach combined with well-designed research, strong advocacy, mobilization of

resources, leadership from global champions, and a well-staffed Secretariat supporting hundreds of partners worldwide, has allowed us to make significant progress in the last year.

Recently the Alliance had the honor of helping to tell the stories of three women on different continents whose lives – and those of their families, friends, and community members – were transformed when they began using clean cookstoves. These women used to be part of the nearly three billion people exposed to harmful cookstove smoke on a daily basis. Their stories inspire all of us as we move into our third year of operation, scaling up to address and arrest this silent killer in the homes of almost half the world's population.

Thank you for your continued support, passion, and dedication to ensure that our motto, *Cooking Shouldn't Kill*, becomes a reality.



Radha Muthiah
Executive Director



SECOND YEAR ACCOMPLISHMENTS

- Developed the ground-breaking sector strategy *Igniting Change: A Strategy for Universal Adoption of Clean Cookstoves and Fuels*.
- Created a comprehensive ten-year strategic business plan to catalyze a thriving global market for clean cookstoves and fuels.
- Developed consensus guidelines and initiated standards for cookstove efficiency, safety, and emissions through an International Standardization Organization (ISO) process.
- Held stakeholder consultations in 18 countries, completed detailed market assessments of the clean cookstoves and fuels sector in 16 nations, and initiated country action plans in 6 countries.
- Advanced national Alliances in Asia, Latin America, and Africa to support the development of national clean cookstove and fuel markets.
- Raised over \$29 million in total for the Alliance Secretariat and its grant programs, and leveraged more than \$120 million in parallel funding to spur advances in clean cooking.
- Commissioned research in the areas of child survival, climate change, and best practices for empowering women, and awarded support for testing centers in half a dozen countries in order to build the evidence base and enable high quality solutions.
- Developed a stove performance inventory containing data from over 600 unique tests to compare lab and field results and set credible standards.
- Achieved a 130 percent increase in partners from one year ago, totaling more than 400 public, private, and non-profit organizations across six continents.
- Recruited 16 new national partners: Canada, Italy, Sweden (national donors); Afghanistan, Bangladesh, China, Colombia, Ghana, Guatemala, Laos, Malawi, Mexico, Nepal, South Africa, Uganda, and Vietnam (national implementing partners).
- Integrated the U.S. EPA's Partnership for Clean Indoor Air program into the Alliance and assumed PCIA's leadership of the Biennial Forum on Clean Cookstoves and Fuels.
- Featured in *AFP*, *Bloomberg*, *CNN*, *the Financial Times*, *The Guardian*, *Le Monde*, *National Public Radio*, *The New York Times*, *Reuters*, and *The Washington Post*, and outlets in partner countries such as *Business Daily* (Kenya), *El Comercio* (Peru), *The Daily Star* (Bangladesh), and *Ghana News Agency* (Ghana).



HELPS International



Project Gaia



Tanzim Bijoy

IGNITING CHANGE

In November 2011, the Alliance released *Igniting Change: A Strategy for Universal Adoption of Clean Cookstoves and Fuels*. The report is the result of more than 350 global experts coming together across nine working groups and two cross-cutting committees to develop a blueprint for scaling toward universal adoption of clean cooking technologies and fuels.

Igniting Change highlights the problem of harmful cookstove smoke; identifies previous barriers to the adoption of clean cookstoves and fuels; outlines why the time is right for the launch of the Alliance and the creation of a thriving global market for clean cooking solutions; and provides examples of the strategic activities that both the Alliance and sector can undertake to save and empower millions of lives and reduce climate change.

In January 2012, the UN Foundation and the U.S. Government hosted the official launch of the report, which included a dynamic panel discussion on the issue of household air pollution, the role of the Alliance in addressing this issue, and the multi-pronged benefits of clean cookstove and fuel interventions. The high-level panel participants (*below*) included a diverse cross-section of Alliance partners and other key stakeholders.



World LPG Association



Global Alliance for Clean Cookstoves

BUSINESS PLAN



Global Alliance for Clean Cookstoves

Based on the sector recommendations laid out in *Igniting Change*, the Alliance developed a comprehensive ten-year strategic business plan that mobilizes resources to catalyze the creation of a thriving global market for clean cookstoves and fuels and achieve its goal of 100 million households adopting clean cookstoves and fuels by 2020.

The Alliance is working with hundreds of global partners to systematically remove the barriers that prevent adoption at scale. Across three phases, the Alliance will:

- Launch global and in-country efforts to rapidly grow the sector (2012–14);
- Drive investments, innovation, and operations to scale (2015–17); and
- Promote a thriving and sustainable global market for clean cookstoves (2018–20).

The Alliance is focused on interventions that are transformational in nature, are beyond the ability of any one individual organization to accomplish, and that fit within six value propositions that will enable the Alliance to promote a thriving global market for clean cookstoves and fuels:

- **Catalyze the Sector and Broker Partnerships** – convene stakeholders around a central strategy for addressing the issue and foster connections among diverse constituencies;
- **Mobilize Resources** – Attract new partners, expertise, and funding to the sector;
- **Increase Investments** – Build capacity of the sector to be ‘investment ready’, and raise the profile of the issue within the investment community;
- **Champion the Sector and Advocate for Change** – Advance clean cooking solutions on national and international agendas, and advocate for national and local governments to create a favorable policy and regulatory environment;
- **Promote International Standards** – Help develop and implement emissions, efficiency, and safety standards for cookstoves; and
- **Coordinate Sector Knowledge and Research** – Commission, collect, and coordinate research within the sector and related fields.



Wonderbag

MARKET ENABLING ACTIVITIES

A thriving global market for clean cookstoves and fuels is the best chance of reaching the Alliance's goal of 100 million households adopting clean cooking solutions by 2020. In its second year, the Alliance strengthened the market for clean cookstoves and fuels and prioritized six countries for immediate engagement during Phase I – Bangladesh, China, Ghana, Kenya, Nigeria, and Uganda. The Alliance will continue to consult with national stakeholders in Cambodia, Ethiopia, Guatemala, India, Indonesia, Mexico, Nepal, Peru, Rwanda, Tanzania, and Vietnam.

RESEARCH ON HEALTH, CLIMATE, GENDER, AND TESTING

While the health and environmental effects of cooking with solid fuels are well documented, supporting short- and long-term research to further build the evidence base on the link between household air pollution and human health, economic well-being, and the environment continues to be a priority for the Alliance.

The Alliance recently issued and awarded its first grants aimed at increasing child survival research related to the impact of traditional cookstoves and fuels, and addressing the non-renewability of biomass fuel harvesting as it relates to climate change. Interdisciplinary teams will soon be leading research in Nigeria, Nepal, Ghana, and other regions.

Support of testing centers is also a crucial part of the Alliance's strategy to strengthen the sector's ability to evaluate, communicate, and improve performance and adoption of clean cookstoves and fuels. The Alliance has recently awarded support for testing centers in half a dozen countries around the world.

A thriving global market for clean cookstoves and fuels begins and ends with women. The Alliance has developed a gender and empowerment strategy which outlines methods for addressing women's roles in clean cookstove and fuel programs, such as building the evidence base through targeted research, supporting innovative business models, and creating tools for stakeholders.

In collaboration with the UN Foundation's Women's Economic Empowerment initiative, the Alliance funded a study in Bangladesh to better understand best practices utilized in programs that explicitly target women as entrepreneurs, as well as the challenges of mainstreaming gender in clean cookstove and fuel programs.



UN Foundation and Talia Frenkel



UN Photo/WFP/Amjad Jamal

COUNTRY ACTION PLANS FOR PRIORITY COUNTRIES

ICSEE



The Alliance is working closely with leading sector stakeholders in priority countries to develop country action plans (CAPs). The CAPs identify intervention options, detail partner commitments, and highlight areas for potential Alliance involvement in each country.

The Alliance, in coordination with local Advisory Committees of leading stakeholders, initiated the CAP development process through regional stakeholder consultations and strategic planning workshops in East and West Africa and South Asia. These meetings were part of the Alliance's broader process to convene partners and other key stakeholders to discuss the draft strategic business plan, map the ongoing work in the cookstove and fuels sector, and identify key barriers and intervention options.

The local Advisory Committees played a critical role in the stakeholder consultations and provided input into major components of the planning process. Based on the recommendations of local stakeholders, the Alliance now has clear focus areas where it can be most effective at creating or catalyzing markets.

"The CAP process has given us a strong platform for consultation with other stakeholders to work together to address common issues and promote synergies in the Kenyan cookstoves sector," said Anna Ingwe of GIZ, one of the joint leaders of the CAP process in Kenya. "With biomass fuels contributing 68 percent of national energy consumption – 90 percent of which goes to cooking energy – addressing household energy needs will be essential in achieving Kenya's development plan to improve the quality of life for its citizens," noted Jechoniah Kitala of SNV, who is also leading the Kenya CAP process.

World LPG Association



GUIDELINES AND STANDARDS

More than 90 stakeholders from 23 countries reached consensus on an *International Workshop Agreement (IWA)* document during a meeting jointly convened this February in The Hague by the Alliance and U.S. Environmental Protection Agency's former Partnership for Clean Indoor Air, and chaired by the International Standardization Organization (ISO). Based on earlier discussions among sector stakeholders in Lima, Peru in 2011, this historic agreement represents a significant step forward in the Alliance's efforts to foster safety, emissions, and efficiency improvements across the supply chain. The Alliance is continuing to convene discussions on several of the ISO IWA resolutions, and mapping additional performance protocols.



Global Alliance for Clean Cookstoves

BUILDING PARTNERSHIPS

The Alliance continues to build a financial and in-kind resource base for the clean cookstoves and fuels sector, working to grow support from existing donors and attract new funders and investors to the issue. Towards that goal, the Alliance has raised over \$29 million in total funding for the Secretariat and its grant programs, and leveraged more than a \$120 million in parallel support to spur advances in clean cooking.

The Alliance's partner base has grown by 130 percent in its second year and work is underway to develop new partnerships with corporate, non-governmental, and bilateral donors. In addition, the Alliance entered into multi-asset partnerships that provide a variety of in-kind support; developed a structure for regional alliances; brought in 16 new donor and national implementing partners; and conducted a site visit for donors and high-level stakeholders in Guatemala.

The Alliance is also working to raise investment resources to support innovation and working capital needs for small and medium cookstoves and fuels businesses in the field.

To learn more about becoming an Alliance partner, please contact partnerships@cleancookstoves.org.



Global Alliance for Clean Cookstoves



UN Photo/John Olsson



Jim Jarvie

ALLIANCE CHAMPIONS

State Department



U.S. Secretary of State **Hillary Rodham Clinton** continues to provide leadership and support for the Alliance and has made access to clean cookstoves and fuels a priority. The Secretary has led efforts to bring in new national partners, including China and South Africa, and has leveraged the United States' diplomacy and technical expertise to support the Alliance. In February 2012, the Secretary launched the Climate and Clean Air Coalition, a new initiative to mitigate short-lived pollutants that lead to climate change, and cited clean cookstoves and fuels as essential in that fight.

Academy Award-winning actor and Alliance Global Ambassador **Julia Roberts** was active this year in raising awareness about the impact of harmful cookstove smoke on millions of people around the world. On World Pneumonia Day, Ms. Roberts highlighted the link between cookstoves and childhood pneumonia in a global press release; she also took to the pages of the *Guardian* on International Women's Day. Most recently, Ms. Roberts filmed an advocacy video that told the story of three women whose lives were transformed by clean cookstoves and fuels.



Carter Smith

Jason Varney



When he became Alliance Culinary Ambassador last year, award-winning restaurateur **Chef José Andrés** said, "I'm a chef, and as chefs, we feed the few. But we are ready and know how to feed the many, and clean cookstoves are at the heart of this endeavor." Chef Andrés got to work right away, helping build the foundation for what will soon become the Alliance Chef Corps – an international group of chefs dedicated to combating harmful smoke from cooking. Chef Andrés participated in the rollout of *Igniting Change*, and founded World Central Kitchen, an organization which promotes the use of clean cookstoves and fuels in developing countries.

ALLIANCE GLOBAL OUTREACH

The Alliance participated in numerous awareness raising events and international conferences, organized stakeholder workshops, and travelled to five continents to view the progress of partners on the ground.



The Alliance's headline event at Rio+20 featured a distinguished panel of high-level representatives. Pictured: Swedish Minister for International Development Cooperation Gunilla Carlsson, UNHCR High Commissioner António Guterres, Canadian Environment Minister Peter Kent, Alliance Executive Director Radha Muthiah, U.S. State Department Special Representative Kris Balderston, and Chinese Deputy Director General Sun Zhen.

Clean cookstoves and fuels were a central component of the Rio+20 dialogue, the UN Conference on Sustainable Development in Rio de Janeiro, Brazil. Former Chilean president and Executive Director of UN Women Michelle Bachelet, U.S. Secretary of State Hillary Rodham Clinton, UN Energy Chair Kandeh Yumkella, former Irish President Mary Robinson, and others included the promise of clean cookstoves and fuels in their remarks. Rio+20 was also an opportunity for the Alliance to work closely with the UN Sustainable Energy for All initiative: the Alliance's goal will help SE4ALL achieve its 2030 universal energy access objective.

Over 120 participants attended the East Africa Stakeholder Workshop held in Nairobi, Kenya (*right*). The Alliance also held in-depth stakeholder consultations in Bangladesh and Vietnam to better understand ongoing work in the sector and detect key barriers and intervention options in those countries.



The Alliance welcomed China as a national implementing partner and continues to engage with Chinese government ministries, manufactures, and other stakeholders. Last fall, the Alliance hosted a U.S. study tour for Chinese cookstove manufacturers. In July 2012, Chinese and international researchers (*above*) met for a workshop hosted under the Alliance's research coordination platform to identify future areas of collaboration.

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HELPS International

Alliance Senior Director of Strategic Partnerships, Leslie Cordes, making tortillas after constructing a plancha cookstove while on a site visit in Guatemala with partner HELPS International.

SECTOR KNOWLEDGE HUB

The Alliance launched a major component of its growing knowledge hub, www.cleancookstoves.org, in June 2012. The new website provides easy access to information such as data and statistics, reports and research, and country information. It also includes an online community to connect innovators, implementers, manufacturers, researchers and others in the clean cookstoves and fuels sector.

Key components of the new website include:

- Background on the issue
- Detailed market assessments
- A resource knowledge hub
- The “What’s Cooking” blog
- An interactive partner and donor community
- Photos and videos

This website makes it easier than ever to stay up-to-date and informed on what is happening in the broader clean cookstoves and fuels sector, as well as what’s new with the Alliance and its partners.



China Alliance for Clean Stoves



UN Foundation



Romana Manpreet

The **Global Alliance for Clean Cookstoves** is a public-private partnership led by the United Nations Foundation to save lives, improve livelihoods, empower women, and combat climate change by creating a thriving global market for clean and efficient household cooking solutions. The Alliance's 100 by '20 goal calls for 100 million households to adopt clean and efficient cookstoves and fuels by 2020. The Alliance is working with hundreds of public, private and non-profit partners to help overcome the market barriers that currently impede the production, deployment, and use of clean cookstoves and fuels in developing countries.



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