

21st Session of the Conference of Parties (COP21) Side Event Workshop

Tuesday 8 December, 2015

Evaluating the Health and Climate Benefits of Clean Cooking Solutions

Date and Location:

Tuesday 8 December, 2015; 9:00 – 16:30

Fondation Maison des sciences de l'Homme
Bâtiment le France
190 avenue de France 75013 Paris
Conference room 640

Hosts:

This event will be co-hosted by:

- Global Alliance for Clean Cookstoves (Alliance)
- Fondation Maison des sciences de l'Homme (FMSH)

Objectives

The *Evaluating the Health and Climate Benefits of Clean Cooking Solutions* workshop aims to capitalize on the COP's global climate-focus to:

- 1) present scientific evidence on the benefits of clean cooking with a focus on health, environment, and climate;
- 2) present The Gold Standard Foundation's results-based financing schemes for clean cooking solutions that relate to black carbon and health;
- 3) engage project implementers, investors, and funders in the clean cooking sector; and
- 4) formulate recommendations on combining financial tools with research based knowledge and pragmatic methodologies to maximize implementation and optimize impact.

Context

Approximately three billion people around the world, mostly in developing countries, cook, heat, and light their homes using traditional cookstoves and open fires. Residential solid fuel burning releases a complex mix of health and climate-damaging pollutants, including the most important contributors to climate change: carbon dioxide (CO₂), and short-lived climate forcers (SLCFs), including methane (CH₄) and black carbon (BC). Residential solid fuel burning accounts for up to 25% of global BC emissions, about 84% of which is from households in developing countries.

Household solid fuel use is associated with over 4 million premature deaths annually, as a result of both direct exposures to household air pollution (HAP) and ambient air pollution (AAP) caused by HAP, with health effects most commonly attributed to fine particulate matter (PM_{2.5}), carbon monoxide (CO), and poly-aromatic hydrocarbons (PAHs). More recently, associations between exposure to black carbon and adverse health effects have also been observed.

About the Global Alliance

The Global Alliance for Clean Cookstoves (Alliance) is a public-private partnership hosted by the UN Foundation to save lives, improve livelihoods, empower women, and protect the environment 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 a 1300-strong network of public, private and non-profit partners to help overcome the market barriers that currently impede the production, deployment, and use of clean cookstoves in developing countries.

The Alliance has been strategically funding policy-relevant research and evaluation efforts to demonstrate the public health, environment and climate benefits of adopting clean cooking solutions. The goal of this research portfolio is to:

- 1) precisely quantify the public health, environment and climate benefits of clean cookstoves and fuels; and
- 2) inform strategies for scaling cleaner cooking solutions to maximize public health, environment and climate benefits.

About the United Nations Foundation

The United Nations Foundation links the UN's work with others around the world, mobilizing the energy and expertise of business and non-governmental organizations to help the UN tackle issues including climate change, global health, peace and security, women's empowerment, poverty eradication, energy access, and U.S.-UN relations.

About the Fondation Maison des sciences de l'homme

The Fondation Maison des sciences de l'homme fulfils several missions: hosting research programs, housing research networks, promoting institutional partnerships, such as the Campus Condorcet, assisting in internationalizing research and promoting and diffusing scientific research.

Agenda

9.00 – 9.30

Registration and Light Breakfast

9.30 – 9.35

Welcome Address and Introductions

Marta Craveri, Fondation Maison des Sciences de l'homme

9.35 – 9.50

Keynote Address: *Overview of how clean cooking solutions provide climate and health benefits*

Sumi Mehta, Senior Director of Research and Evaluation, Global Alliance for Clean Cookstoves

9.50 – 10.20

Greenhouse Gas Emissions from Cookstoves (including black carbon)

Drew Shindell, Duke University

10.20 – 10.50

Air Pollution Health Impact Assessment

Michael Brauer, University of British Columbia, Canada

10.50 – 11.10

Coffee Break

11.10 – 11.30

Scene setting: Summary and characterization of cookstove technologies (including a brief discussion on ISO IWA Tiers, and trends in scaling up implementation)

Donee Alexander, Global Alliance for Clean Cookstoves

11.30 – 11:50

Overview of Impacts of Cookstoves on Climate

Dan Kammen, University of California, Berkeley

11:50 – 12:10

Understanding Environmental 'Hotspots' for Non-Renewable Biomass (NRB)

Rob Bailis, Stockholm Environment Institute

12:10 – 12:30

Black Carbon Accounting Methodology Presentation

Pieter van Midwoud, Director of Business Development & Partnerships, The Gold Standard Foundation

12:30 – 13:30

Lunch

Participants will be engaged in Q&A and discussion after each afternoon presentation/panel.

13.30 – 13.50

Scene setting: The path from research findings to fundable projects and accountable impacts
Matt Spannagle, Independent Consultant, Climate and Development

13.50 – 14.20

Addressing Climate Change and the Sustainable Development Goals (SDGs)
Marion Verles, CEO, The Gold Standard Foundation

14.20 – 15:30

Financing scale-up: benefits and challenges of results-based finance, donor and investor perspectives

Steve Hammer, World Bank
Christopher Zink, Swedish Energy Agency
TBD, Agence Française Développement
Claudia Doets, BIX

15:30 – 16:10 - Panel Discussion

Project implementation: what do finance and research drivers mean for scale-up?

Giulio Berruti, EcoAct
Anne Osinga, Mimi Moto
Christian Dannecker, SouthPole

16:10 – 16:30

Event summary and workshop close

Participants

The event will include a maximum of 50 professional participants who can contribute to strategic and in-depth subject matter discussions. Participants will be drawn from francophone and international Researchers; NGOs; project implementers; market regulators and standard setting organizations; Investors; Impact Funders; Donors, Public sector and multilateral institutions; Host country government representatives as well as Alliance and FMSH attendees.

Participants should confirm their attendance before 20 Nov 2015 at:

<https://www.eiseverywhere.com/ehome/index.php?eventid=145926&>