Sustainable Cooking Fuel for Haiti

Teamwork to Replace Dependence on Charcoal

A presentation to the United Nations Staff Recreation Club “Aux Antilles”
1 March 2019

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Teamwork – A consortium of organizations
PPAF & colleagues aim to improve lives, health & the environment with clean cookstoves.

How?

• **Awareness** of new technology to solve environmental, health and economic problems

• **Education** on use and manufacture of solar cookers and biodigesters for biogas and garden fertilizer

• **Community engagement** in using these innovations to decrease health and environmental damage and create sustainability
Our vision –
* Widespread use of solar cookers, biodigesters & other improved ways to cook
* Reduced dependence on charcoal for cooking
* A green Haiti with food security

Our focus --
* Hinche     Université Notre Dame d’Haiti
* Port au Prince Haiti Adolescent Girls Network
* Cotes de Fer Community members
* Jacmel Community outreach
* New York, etc. Advocacy & promotion
Now at UNDH-Hinche - The first known Haitian college course on solar and biogas cooking
How did this happen???

- **Nov. 2017** - Vice-Rector requested a short course on solar & biogas to interested students, and to build a biodigester.

- **Spring 2018** – A student committee formed & explored what the new technology could do, including at weekend lunches.

- **June 2018** – This student group led the annual “Science Day.” Our team sent speakers & support. Some 400 people attended.

- **August – Sept. 2018** – Teamwork to prepare a proposal, course syllabus, reference materials & line up expert speakers.

- **Oct. 2018 to present** – UNDH personnel lead the teaching, 20 students are enrolled, PPAF provides external funds, Rose Bazile & Kathy Puffer (Solar CITIES Biogas) coordinate solar & biogas course, & other team members give support.
The Vice-Rector, student committee members, and visiting team members on “Science Day.”
Several solar cookers are installed at UNDH-Hinche
Teaching biodigester construction on campus
UNDH student feeding and caring for a biodigester
Collecting biogas for cooking
Stoves can be home-made or store-bought
Students learning to cook with biogas & solar power.
Biodigester effluent fertilizes a garden on campus.
Port au Prince - Working with the Haiti Adolescent Girls Network (HAGN) Executive Director
Teaching about solar ovens at HAGN
Solar ovens are to help girls sell snacks in the market.
Cotes de Fer – Demonstration with free fuel from the sun
Cotes de Fer – A biodigester for kitchen & garden
The biogas flame burns bright and hot.
Biodigester effluent is a great fertilizer
Cotes de Fer - Starting a biodigester maintenance & repair service
Jacmel – Tasting the results of a solar oven demo.
Jacmel – At the Art Creation Foundation for Children
Jacmel – New work coming with ACFFC

PPAF is planning for support to augment the ACFFC Young Entrepreneurs after-school program in –

* Cooking and baking
* Sewing, including heat-retention bags for cook pots
* Photography.

Other members of our consortium are being invited to join in.
Jacmel – New options for ethanol cookstoves
Advocacy in NYC – PPAF & Solar Cookers International booth at the 2018 UN High-Level Political Forum
Speaking at the 2018 UN DPI/NGO Annual Conference – Girls, human rights & cookstoves
Promotion event for our Haiti programs at Resource Furniture - NYC, 2018
Participants at the 2018 NYC promotion event
Project to support our work, on the GlobalGiving site –

Summary - The Public-Private Alliance Foundation (PPAF) is building evidence to increase impact of innovations for clean cooking in Haiti. Most families endure a poverty-respiratory disease-deforestation trap of dependence on charcoal for cooking.

PPAF & other organizations are conducting R&D to improve lives & livelihoods for dozens of women & girls, at several sites, through solar, biogas & ethanol fuel & cookstoves & related small business. Your support helps PPAF to engage and track & promote this!
In Haiti, the face of the future welcomes the benefits of clean cooking!
Join us!

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