



Public Private Alliance Foundation

Solar Cooking in Haiti

A presentation at the UN High Level Political Forum July 2021

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The Public-Private Alliance Foundation (PPAF) promotes the UN Sustainable Development Goals through projects & seminars involving multi-stakeholder cooperation.

With collaborators we are innovating & building evidence for clean cookstoves and fuel in Haiti.

We are advancing solar cooking and biodigesters for biogas and garden fertilizer at sites in & around 3 small cities.

The work is at a university, a foundation for low-income youth, a community center, & at the individual level.

The colleagues bring many hands to the common effort.



KDCK

Together for the Development of the Commune of
Sates de Fer
KDCK is a Nonprofit 501(c)3 Organization.



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Most Haitian families depend on charcoal for cooking – with ruinous consequences for health, environment and economy.

Known alternatives are expensive or unavailable.

PPAF & colleagues bring sunshine and garbage into the fight to promote sustainable development, empower women and combat climate change.

The team created Haiti's first university course on solar cooking and biodigesters, now in its 3rd year. We support solar cooking classes at a youth foundation. We are engaged at a community center established by colleague Rose Bazile.

At the University Notre Dame d'Haiti at Hinche -- Students, faculty and team members display solar cookers



The University Notre Dame d'Haiti at Hinche has --

- 200 students in Nursing and Biological/Medical Sciences.
- The first known Haitian college course on solar cooking.
- The Vice-Rector -- Sought and supports this since 2017.
- Faculty and students -- Exposition, classwork & fieldwork.
- Teamwork – Expertise to prepare & implement the course.

University instructors for solar (R) & bio (L) with equipment



Biological/Medical Sciences & Nursing students in class



The students are eager to learn new skills



Students enjoy solar-cooked lunches together



COVID-19 -- Crisis and Opportunity

Crisis ----

- **UNDH-Hinche campus & country locked down March-August 2020.**
- **No school, no work, people worried, prices became unbearable.**

Opportunity ----

- **Adaptation & innovation**

Staff & students provided clinic services & outreach



Solar cookers were distributed to students for home use



Active again, classes demonstrate solar cooker benefits at local events



The Art Creation Foundation for Children - Jacmel

- Aims -- Personal growth, empowerment & education of children in need.
- How -- Art instruction, tutoring, medical care, meals, educational expenses, after-school classes.



We support after-school cooking & sewing classes



Students learn to cook with the sun, and enjoy the results.



COVID-19 – Crisis and Opportunity

- Crisis ---
 - Jacmel & the country were locked down March to August 2020.
 - No more than 10 people were allowed in buildings, city became dangerous, food & fuel prices jumped.
 - ACFFC struggled to help its students and families.
- Opportunity ----
 - Adaptation & innovation

Sewing class members made & distributed masks.



Solar cookers were distributed to students for home use



Activities have since revived – A new class learns new things



At the community center in Cotes de Fer, solar cooking began with construction. Now it's in the cooking classes.



Our next steps – Improvements in monitoring solar cooker use

- Photos & messages can arrive from Haiti by WhatsApp, email, etc.
- This makes possible new tools for data collection, monitoring & support.
- The SCI Adoption & Impact Survey gathers data on groups of users before & after durations of several months.
- PPAF is creating data collection for individual sessions. The design builds on work by others
- A one-page data sheet provides details on costs, weather, foods prepared, time required, results achieved, etc. Related photos illustrate the procedures.
- After initial testing & translation, we hope this will be useful at the team's 3 project sites.

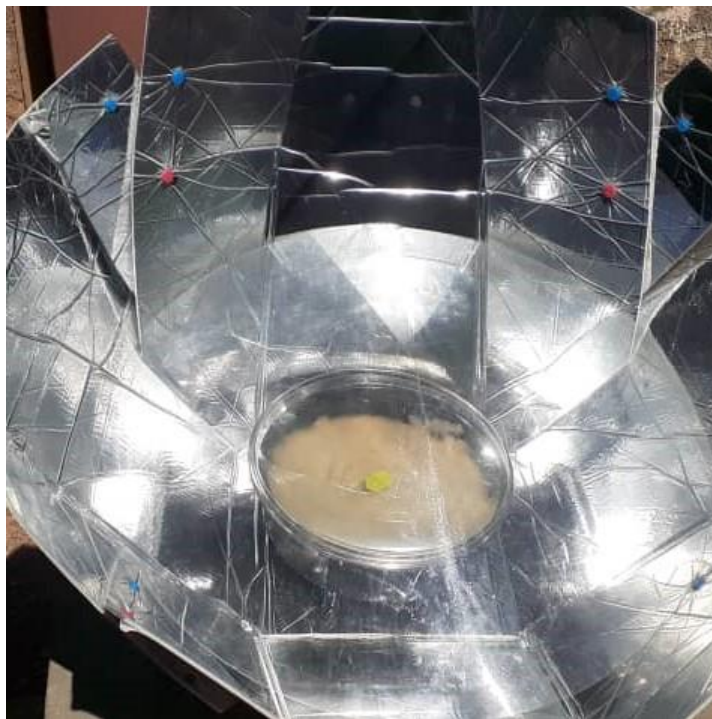
This data sheet arrived by WhatsApp & by email

It describes making cornbread with a solar cooker on June 15.

We found cornbread is an easy success with limited resources in Haiti.

SOLAR COOKER DATA SHEET												
Date	Weather				Cost	Food Cooked	Start	End	Results			People Fed
					Gourdes							
15-Jun	x				250	Cornbread	10:18	11:28	x			4
WHO PREPARED THE DATA SHEET -						Fedno Lubin						
NAME OF THE COOK -						Soeurette Tida						
SOLAR COOKER USED -						Haines #2						
WHERE COOKING -						Jacmel						
USUAL COST OF FUEL --						GOURDES BY DAY -		150	GOURDES BY WEEK -		1050	
MONEY SAVED BY SOLAR COOKING --						GOURDES BY DAY -		125	GOURDES BY WEEK -		875	
COMMENTS (include details, problems and any solutions) -												
* Weather that Day - the weather was wonderful. the sun rise at 07:30 and sunny at 10. so it was a beautiful day.												
* Food prepared- The cornbread took more than 1hour. It was too liquide that means it's took more longer to drier												
* Time Required - we started prepared the food at 09:55 but we put it in the sun at 10:18 and it's done at 11:28												
* Results Achieved - the results was perfect. everyone was like the cornbread. they suprise to see how fast it end. although it should be done in 45 minutes. Because we know that the haines # 2 is more faster than the haine #1.												
* Other Comments - Also we had a neighbor who assist the test because she didn't believe in what we did.												

Photos from the same session, making cornbread in Jacmel Haiti



The goals we all want to achieve – Solar cooking contributes to these!





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