



Public Private Alliance Foundation

Cookstoves in Haiti: From Disaster to Economic Growth

United Nations Academic Impact START
(Skills and Technology Accelerating Rapid Transformation)

Our Environment & Our Health: Science & Solutions

United Nations, June 6, 2016

**David Stillman, PhD, Executive Director,
Public-Private Alliance Foundation**



Charcoal – the poverty, respiratory disease, deforestation trap



Sugar cane growing in the field



Traditional alcohol -- Clairin for sale



**New –
Ethanol for
Clean-burning
Cookstove Fuel**





PPAF and D&E Green created a new cookstove – Recho EcoVit



Ready to go

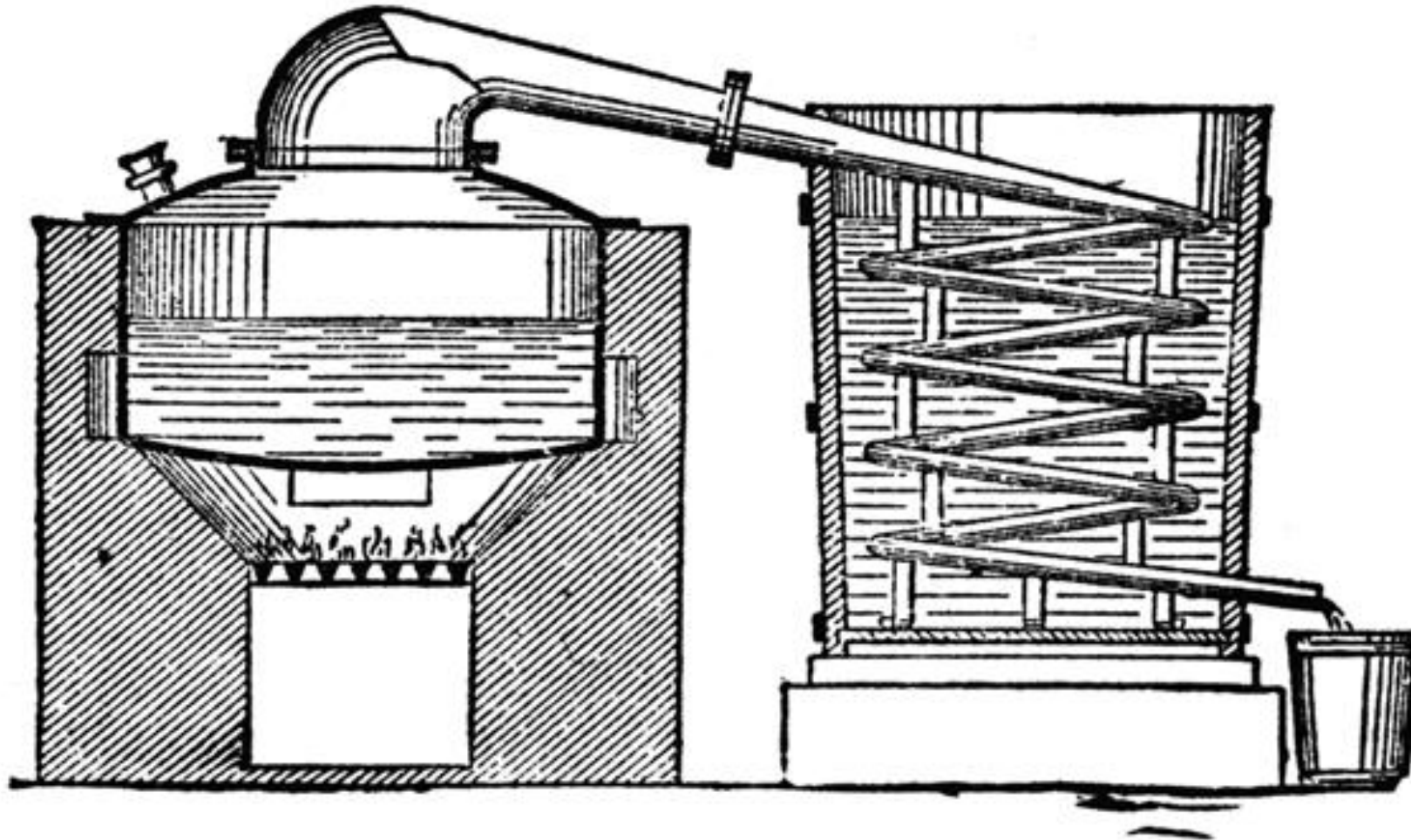


The Recho EcoVit Development Team



The process of distillation – Explanatory diagram

(From bottom left to bottom right – Boiler heats mash, alcohol vapor condenses into liquid)



Roche Blanche distillery (guildive), Croix des Bouquets, Haiti



Cane crushing operations begin



Phase One of Upgrade

Advice, materials and training for improved procedures on –

- Data Collection
- Feed Stock Processing, Handling and Storage
- Cleanable Juice Collection System
- Sanitation and Cleanliness in Juice Production Process



Bagasse – waste product & potential resource



Carbon Roots International -- “green” briquettes



Bagasse Briquettes -- on sale & for cooking



Fritz Octave -- Inter-American Development Bank



Gus Speth – renowned environmentalist

“I used to think the top environmental problems were biodiversity loss, ecosystem collapse and climate change.

I thought that with 30 years of good science we could address those problems.

But I was wrong.

The top environmental problems are selfishness, greed and apathy...

...and to deal with those we need a spiritual and cultural transformation

---and we scientists don't know how to do that.”



Public-Private Alliance Foundation

David Stillman, PhD
Executive Director, PPAF

ppafoundation@gmail.com
www.ppafoundation.org