



*“Supplying innovative stoves to institutions in developing economies to improve health, food security, the environment, and community development.”*

## InStove In The Community

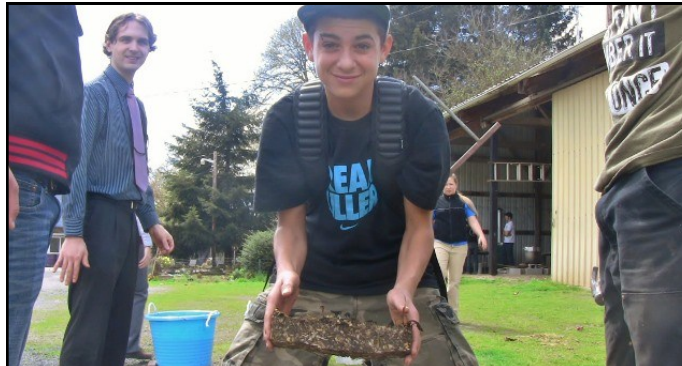
Around thirty students from Northwest Youth Corps OutDoorHighSchool (ODS)—joined us last week for a hands-on opportunity to learn about clean cookstoves, sustainability and global poverty.

“Ninety eight percent of people in sub-Saharan Africa cook on three-stone fires,” said Executive Director Fred Colgan. “About four million will die this year from inhaling the smoke—from diseases that are totally preventable.”

Fred described the realities of wood-gathering: a task that often falls to women and puts them at risk of assault, rape, kidnapping and even death.

“Imagine walking from here to Eugene—round trip—to gather wood.”

“I could never walk from here to Eugene,” said junior Morgan McTaggart. “I once walked from Gateway Mall



*Hoby Beltán poses with his briquette—a novel “sandwich” design that he engineered of coconut husks, grass and waste paper.*

to Churchill [school] near 11<sup>th</sup> street [in Eugene]...it took me like seven hours.”

“Try that with 50 pounds of wood on your head--” said Fred.

“--While men with AK-47’s are looking for you,” added Development Coordinator Adam Creighton.

After being taught how fuel-efficiency improves lives, students cooked on our super-efficient 60 Liter

Stove, and made sustainable, alternative-fuel briquettes out of biomass using our hand-press.

“Can I take mine home?” asked junior Hoby Beltrán (pictured), who engineered a novel formula of coconut husks, waste paper and grass for his briquette.

ODS contacted InStove at the fall UO career fair, and

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## Cookstove summit in Cambodia

Executive Director Fred Colgan traveled to Cambodia last month for the Global Alliance for Clean Cookstoves (GACC) summit: “Clean Cooking Forum 2013.” The convention brought together academics, developers, foundations, governments, consultants, multilateral and non-governmental organizations, and private sector entities.

“We did really well,” said Colgan. “InStove

made a lot of connections.”

Among those connections is a commitment from GACC to draft a letter of support. InStove also received a renewed commitment the office of the UN High Commissioner for Refugees to order a container of stoves for DaDaab camp in Kenya.

“WFP and UNHCR are really happy with our stoves,” said Colgan.

Partners from Kenya

also expressed their interest in opening a factory there as soon as possible. The next step will be sending a container of stoves to Nairobi later this year for a mass demonstration and market analysis.

In the coming years, InStove’s presence at international fora is expected to grow alongside our reputation for quality products and successful completion of projects.

### Staff

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#### Media

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### Contact Us

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### Donate to InStove

♦ As an Oregon non-profit organization (with our 501(c)3 status pending) our business model is to distribute our stoves below cost in order to deliver as many as possible to the people who need them most. Donors like you enable us to continue research and development, start pilot projects, and help us to share our story with new partners.

♦ A donation of **\$650**, the cost of one 60 Liter Stove, will save 30 tons of carbon emissions each year compared to the open fires they replace.

♦ Donate online at: [www.instove.org/donate/](http://www.instove.org/donate/)

♦ Please mail donations to:

**Institutional Stove Solutions**

**P.O. Box 368**

**Cottage Grove, OR 97424**

## Another Successful Demonstration in Senegal!

In December, InStove was in Tivouane, Senegal for the national *Gamou* celebration, demonstrating stoves in collaboration with the German aid organization, GIZ.

Executive Director Fred Colgan met with families while they prepared. "Many households had gathered tons of firewood," Fred said. "One household told us they expected several thousand family members who needed to be fed."

Families cooked in 100 liter pots over open fires, and in some cases, over cut-off steel drums with holes. The fires were extremely smoky, and fuel consumption was very high.

"One kitchen [pictured] had the worst indoor air



*This picture, taken during the day in Tivouane, was only possible with flash.*

pollution I've ever seen," said Fred. "These levels of smoke threaten the health of the cooks: one cook even shared with us that she'd

been treated for eye disease the day before our visit."

In the demonstration, InStove's 60 and 100 liter stoves consumed 80% less wood while reducing cooking times by half and smoke emissions to negligible levels.

"We're in discussions for a massive demonstration at the Magal *Touba* celebration later this year. *Gamou* was 80,000 people; for *Touba*, 1.5 million from the Senegalese diaspora will attend," said Fred.

"We're looking to bring 100 to 1,000 stoves, and we're exploring public/private partnerships, as well as philanthropy and micro-financing to fund this project."

## Northwest Youth Corps Visit

*Continued from "InStove in the Community" Page 1*  
the four-day field trip—one for each class-level—was scheduled for early April.

"I was hoping they'd learn a larger-world experience:

the need for food, the need for firewood, the use of energy and for them to see an organization doing good things around the world," said teacher Andrea Doerr. "Even in the pre-lesson, I

was surprised; they showed me things I don't normally get to see. I think it helped them to think outside the box; it tapped into how they do actually feel about the larger world."

## Profile of a Donor

Last fall, we received a generous donation, sufficient to pay the shipping and consultancy costs for a "stove-factory-in-a-box." We asked the donor—who chooses to remain anonymous—a few questions.

**Q:** How did you hear about InStove?

**A:** "My church in Kansas City supports an elementary school in Haiti that has 350 students. The school was cooking meals of beans and rice over an open fire, using lots of wood, and sometimes wood was hard to obtain. Haiti is already quite deforested, because of people wanting firewood. We were trying to find a more efficient way to cook school lunches. There didn't seem to be any good options in Haiti. I start-

*"We need to fight deforestation in Haiti. The sooner we can get more stoves to Haiti, the better."*

-Anonymous Donor

ed doing a little research on the internet, and came across you guys and you seemed to have exactly what we were looking for."

**Q:** Why did you decide to support InStove?

**A:** I think the need in Haiti is so great for this type of stove. Lots of schools, orphanages, and other institutions need more efficient and safer stoves, these stoves will help reduce institutional costs, reduce carbon emissions, and reduce the demand for wood. The sooner we can get more fuel-efficient stoves to Haiti, the

better for the country and the better for all the schools and all the charitable organizations there. By the way, the cooks at our school love the stove!

**Q:** What would you like to see happen?

**A:** I'd love for there to be a stove factory in Haiti. I know there are lots of issues that would have to be resolved for that to happen. These stoves are just a great solution to reducing the costs of running a school, or any type of charity where hot meals are served; beans and rice are the favorite meal in Haiti. A stove factory would provide jobs to Haitians, which would be terrific; until that happens I hope that other charities will bring more stoves to Haiti.

## What's next?

- ◆ **Haiti**— Exploring partnerships on the ground to bring a container of stoves, and conduct market analysis.
- ◆ **Uganda**— 100 stoves built and ready to go. Exploring funding partnerships.
- ◆ **Nigeria**— Stove Factory under construction. InStove consultants to travel to Afikpo in June.
- ◆ **Kenya**— Agreement made to send a container of stoves to DaDaab refugee camp. Exploring possible stove factory in Nairobi.
- ◆ **Senegal**— (See story this page). Mass demonstration planned late 2013.
- ◆ **Ghana**— Stove Pilot project planned for 2013.
- ◆ **Zambia**— One 100 Liter Stove sent April 9th for field trials of Water Pasteurizer in summer, 2013.
- ◆ **South Sudan**— Container of 50 stoves for UN World Food Programme arrived April 10th in Nairobi and are en route to refugee camps!

### Announcements

- ◆ **SPARK Initiative**— Summit of local cookstove experts and organizations: **May 17** at the UO Erb Memorial Union.
- ◆ **New Faces**— InStove welcomes spring interns **Katy Alvin, Emily White, and Adam Durkee**, and welcomes back **Nicole Shearer** as Senior Intern!
- ◆ **Congratulations to Nick Moses** for his promotion to R&D engineer!
- ◆ **Tours**— Come for a tour of InStove, 10:00 am, April 16th; 5:30 pm, May 22nd; or 1:00 pm, June 1st. To RSVP, contact: Stella@instove.org
- ◆ **Summer Workshop**— *Summer Stove Camp*, co-hosted with Aprovecho Research Center, will take place **July 22–26**. Contact: Stella@instove.org.