

# IDIN Partner Updates

June 2016



**KNUST** Ghana

This month, KNUST is proud to share three **thesis papers** from its engineering students. These students measured the energy and emissions of burning **coconut husks**, evaluated the efficiency of a **rice thresher**, and modified a furnace to burn **palm kernel shells** in metallurgical processes. After a successful CCB training in New Longoro last month, the IDIN local chapter secured funding to continue developing two **groundnut planters**. KNUST also held a **CCB Outcome Workshop** to explore the impact of its three CCBs.



**VNE** Brazil

This month, VNE partnered with Rotaract to deliver a **sewing skill builder** workshop: "How to make a pad with old fabric scraps?" They have learned that sewing workshops are a great way to engage women in the center. With the help of IDIN Network member Ta Corrales, VNE has implemented a new **color-coded safety protocol**, allowing kids to use different sets of tools depending on their age and training. They are iterating the **glass crusher** developed with a local recycling cooperative to be robust, safe, and as low cost as possible.



**TWENDE** Tanzania

Twende continued its weekly **Electronics Build-It Workshops** series with Suye Secondary School students, who are now designing their own electronics projects. They also hosted an **Electronic Waste Collection Day** with the International School of Moshi to raise awareness and gather materials for their workshops. They are also partnering with ECHO on an **8-Week CCB**. They showcased several Twende technologies at the **Karibu Fair** and the **Kili Agro Finance Fair** and are now gearing up for the **Nane Nane** agriculture festival!



**TET CENTER** Uganda

The Tet Center recently hosted a skill-building workshop on **weaving baskets** out of reeds, nylon ropes, and polythene waste materials. The Oparirwa Technology Group raised money to purchase a Singer **sewing machine** to support their handbag design business and to train others on tailoring skills. Another member of this technology group has designed a new **hand drilling and sanding tool** that can be used for woodworking in areas without electricity.

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These Hands collaborated with MIT D-Lab, Eco Exist, Texas A&M University and University of Botswana to facilitate a **CCB training** with students, conservation agriculture farmers, and Eco Exist staff. They produced prototypes focused on mitigating human-elephant conflict in Seronga. These Hands also exhibited three technologies from **IDDS 2015 D'Kar** at the **Innovation Prize for Africa Exhibition** in Gaborone. They are gearing up for the start of **IDDS Botswana** in just a few days!



In May, Kumasi Hive organized a **Pitch Perfect** event, giving local startups the opportunity to practice and refine their pitch. They also hosted a **Startup Dialogue** event with the African Network of Entrepreneurs, bringing together a panel of Ghanaian startup CEOs to share lessons about sustainability and growth. The center welcomes new member **Cedigreen**, a startup that upcycles water sachets to make accessories and bags. Congratulations on Kumasi Hive's spring Kickstarter campaign, which raised over US \$20,000!



ECHO and Twende are partnering to deliver an **8-week CCB** to innovators across the city of Arusha. They are also gearing up to showcase several technologies at **Nane Nane**, Tanzania's largest agricultural fair. ECHO has launched an exciting partnership with biogas experts at **CREATIVenergie** and has proposed a CCB-style design workshop to reduce costs of **biogas plants**. ECHO reports progress on several picogrant projects, including Alex Mrosso's **ceramic water filter** and Fuataeli Singa's **donkey water barrel**.



NTBC held a five-day **Technology Transfer Training**, teaching 20 people to make and replicate a **maize sheller** and a **charcoal press**. The Malabo community was targeted because of its thriving maize production and also its deforestation from charcoal production. NTBC also hosted an **IDIN chapter meeting**, welcoming new technology transfer and CCB trainees and discussing a strategy to enhance the chapter's impact in the future. Next month, they will host a **Technology Marketing Forum** for chapter members.

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**KAFUE INNOVATION CENTRE** Zambia

Kafue Innovation Centre and IDIN Network member Miniver Chalwe recently hosted a **menstrual hygiene workshop** to promote the reusable pads from IDDS 2013, drawing **17 participants** from a community school in Kafue. They will host an additional workshop in late June. Kafue has also identified a **marketing specialist** who will work with them to market the various technologies being built at the center, such as the **fertilizer applicator** and the **groundnut sheller**.



**C-INNOVA** Colombia

¡IDDS Educación!

Check the blog for updates:

<http://www.iddsed.c-innova.org/>



**MAKE-I-STAN** Pakistan

Make-i-stan debuted several new workshops this month, including **Android & Arduino, App Development for Beginners, Version Control for Software Developers,** and **User Research**. They have also just launched a partnership with SOS Children's Village to teach a 12-week **Intro to Electronics Course** to 20 secondary school students. Meanwhile, technology projects are also moving forward: the **Khidmatgaar** emergency coordination web prototype is finished, and the **road quality sensor kit** has been sent to Karachi for testing.



**PROJECT DEFY** India

Project DEFY held two workshops this month, one on **Simple Tools and Shop Safety** and the other on **Design Thinking**. Makers Kushal and Ajay continue to work on their Hacktaser and aquaponics projects with support from the **Ashoka Youth Venture Project**, maker Deepika has launched a paper quilled earring business, and new maker Ram has built a small USB fan. Project DEFY has confirmed partnerships for **two new makerspaces**: one in an urban slum in Bangalore, and a second in a refugee camp in Uganda.