

# MEET THE 2018 SOCIAL E & DESIGN LAB TEAMS



**Fortuna** - Fortuna is working with small-scale Filipino fishermen to design the first expandable, flexible cooler that accommodates big fish in small, traditional boats. The Fortuna cooler is the missing link in the fish cold chain, unlocking premium markets that had previously refused to source from our hard working fisherfolk partners. Follow us on Facebook and Instagram @fortuna-cools



**Sand.trifuge** - Dirt floors are just what you think: dirty. They become a breeding ground for mosquitoes, parasites, and all of the disease that comes with them. We developed Sand.trifuge to expedite Earthenable's material testing and thus ensuring that quality materials are used in earthen floor construction for Rwanda's poorest communities. Follow @earthenable on twitter to learn more. If you are interested in taking low cost, human powered centrifugation to applications beyond construction contact [danielhb@stanford.edu](mailto:danielhb@stanford.edu).



**Gukomeza** - Earthenable's solution to the ubiquitous and unhealthy dirt floors in communities of poverty is an affordable, earthen floor. Their floors are made possible by their proprietary varnish that seals the floors with a layer of oil, making them waterproof. Since this varnish is both key to creating clean and healthy floors, but is also such a cost driver in the flooring process, we created Gukomeza to spray just enough - not too much or too little - varnish in just the right location. Follow @earthenable on twitter to learn more.



**SmartSmile** - Repairing a cleft lip/palate is a long and tiresome journey for patients and their families. To help patients make this journey, we created SmartSmile - a small electronic device that fits on a cleft lip/palate patient's underbite-correcting facemask to track usage. With this information, we motivate patients to wear their facemask and provide orthodontists usage information that helps with treatment plans.



**Medicarro** - Due to the lack of ambulances in small and remote towns in Paraguay, women give birth at home or endure an arduous journey to reach the nearest hospital. Medicarro is an entrepreneurship-based emergency transport system that provides fast and reliable emergency care to anyone in need of medical transport. Community members are trained to provide basic care on commonly used trucks retrofitted into affordable ambulances. If you are interested, email [medicarro@lists.stanford.edu](mailto:medicarro@lists.stanford.edu).



**Frost.d** - Ice is key to ensuring small fishing communities can preserve the quality of their fish and fetch top prices for their catch, but in remote Filipino fishing communities ice is near impossible to profitably make or store. Frost.d makes the ice production business in remote Filipino fishing communities viable, thus creating a business opportunity and ensuring local fisherfolk can preserve fish quality.



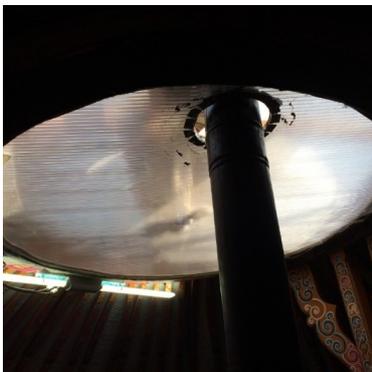
**ReadyChill** - ReadyChill is a solar-powered, flat-packable refrigerator designed for use by small and medium-sized business owners in sub-saharan Africa. With ReadyChill, off-grid shopkeepers will be able to tap into the profitable juice and cold drinks business, generating more income to invest in their business and family. Currently in development, ReadyChill is being taken on by [Fenix International](#), a solar-product company based in Uganda.



**Scopi** - Scopi is dedicated to closing the gap in comprehensive cleft care by providing speech therapists in emerging economies an affordable and reliable nasoendoscope. We are currently recruiting for an Electrical Engineering PhD or Masters student to join the team as we are designing how to interface and securely connect the image sensor and the processor unit. If that sounds interesting to you, we'd love to hear from you! Please email us at [tresnasos@lists.stanford.edu](mailto:tresnasos@lists.stanford.edu).



**Kukua** - Kukua is an energy-efficient, solar-capable egg incubator that provides small-scale chicken farmers control over the hatching process and financial stability to their otherwise volatile chicken farming income. We are currently seeking both funding and partnership opportunities as we look to take Kukua into the global market. Email [info@kukualabs.com](mailto:info@kukualabs.com) to connect.



**HubCap** - We're building an insulation product for urban ger (yurt) dwellers in Ulaanbaatar, Mongolia, to improve thermal stability and cut down on coal burning for both economic and environmental reasons. Follow along with our partners GerHub ([www.gerhub.org](http://www.gerhub.org), IG @gerhubmongolia) and UNICEF Mongolia (<https://www.unicef.org/mongolia/>) as we work on redesigning the urban ger experience for the 21st century.



**Pelle Bongo** - The "Pelle Bongo" is an innovative cocoa harvesting tool that improves both farmer safety and cocoa bean quality. In the long run, we believe that this innovation will ensure cocoa farmers' livelihoods and the international supply of cocoa. Learn more about this work at [pellebongo.com](http://pellebongo.com). We are looking to connect with (1) distributors in cocoa producing companies, (2) impact investors interested in agricultural innovations, (3) representatives from chocolate companies, (4) experts in hand tool manufacturing in Southeast Asia, and (5) marketing and branding champions looking for an amusing challenge.