

## Innovation Hub in the UN Visitors' Lobby

The **Innovation Hub**, (supported by Qlik), features innovators selected through a global competition (facilitated through the Global Innovation Exchange), and provides an opportunity for mutual learning and exchange with the participants in the STI Forum.



### Featured Innovations

#### **Jiko Raha** (Kenya)

A fuel-efficient biomass stove featuring an innovative built-in jacket that can be filled with 3 liters of water that enables the user to simultaneously boil water, thus sanitizing it, whilst cooking. This enables households to have safe drinking water free of disease causing micro-organisms, and it also helps to insulate the stove and makes it more efficient.



#### **Land for Life: Inga Alley-Cropping for Sustainability/Food Security/Saving Rainforests**

(USA, Honduras, Madagascar, Guatemala, Peru, Belize, Costa Rica, Nicaragua, Cameroon, Bolivia, Republic of Congo)



The Inga Foundation's simple but revolutionary system of Inga alley-cropping is a scientifically-proven solution to stopping the devastation of tropical rainforests. Inga alley-cropping regenerates land and transforms the lives of subsistence farmers by providing food security and organic cash crops as well as significantly reducing global carbon emissions, protecting wildlife and marine habitats, and preserving water sources.

### **Maji Mamas: Women Building Scaleable Water Construction Microfranchises**

(USA, Kenya)



Maji Mamas use interlocking stabilized soil block technology to build environmentally sustainable tanks for their community at less than half the cost of the cheapest competitors on the market, increasing their income while bringing water management solutions to their communities. As microfranchises, Maji Mamas receive training in business, leadership, and critical WaSH issues to build and expand on a scaleable plan, increasing income by up to 300%.

### **Ocupa Tu Calle** (Peru)



Ocupa Tu Calle improves the quality of urban life, promoting the recovery of disused public spaces, the improvement of existing spaces and the generation of new public areas through small-scale urban interventions. Additionally, we promote collaborative work between local governments, academic institutions, private sector and civil society; we generate knowledge to empower citizens and we advise and accompany municipalities so they include urban interventions as public policy.

### **ATEC\* Biodigesters International**

(Australia, Cambodia, Indonesia, Papua New Guinea, Myanmar, Thailand)



ATEC\* produces, sells and distributes the world's first commercially scalable biodigester that can reach all last-mile households. Utilizing animal, green and human waste, each system produces renewable biogas for daily cooking, 20 tons of organic fertilizer/year, and US\$5,850 household savings over its lifetime. Following our \$1m Series A for Cambodia, ATEC's goal is to expand its provisionally patented technology to 5 countries and 1 million systems by 2030. ATEC\* is seeking impact investment, donor, distribution and consumer financing partners who can join us in our goal to make a significant impact in the SDGs.

### **Non-Electric, Sustainable, Effortless to Maintain and Low Cost Community & Household**

**Drinking Water Systems** (India)



The system based on a specialty polymer removes virus, bacteria, turbidity, pathogens and iron without any chemical treatment. It does not need any energy source

or electricity to purify water. It has a long life and can be maintained by any layman. Also there is no wastage of water during purification. The system does not remove minerals from source water and can be used for a small household up to an entire village. Cost per litre is 4 paisa to 10 paisa (.0015 USD) depending on the size.

**SweetSense Remote Water Monitoring Platform For Improved Water Service Delivery, Accountability, and Health** (Ethiopia, Rwanda and Kenya)



SweetSense Inc. creates Internet of Things (IOT) solutions to improve the quality and value of water, sanitation, and energy services in emerging markets. Our groundwater monitoring solution indicates runtime of each groundwater extraction pump. The sensors report daily over satellite or cellular networks to a central dashboard accessed by water service providers who can monitor functionality and water volume, thereby enabling greater service and accountability.

**City Based Common Hospital Waste Treatment facility** (Nepal)



Installation of individual treatment facilities by small healthcare units requires complex, high level management and comparatively high capital investment. Waste Service offers the complete solution for biomedical waste, prioritizing the health and environment and focusing on non-burn technology and a city-based common treatment facility. A common treatment facility seems to be the only cost effective, eco-friendly, practicable and benchmarked way to enforce waste management rules and regulations.

**FoPo Food Powder** (Philippines)

Food Powder is a project which aims to re-engineer the future of food by turning \$1 trillion worth of food waste into a huge opportunity, developing a simple and elegant way of bridging the gap between food waste and food security, while promoting healthy diets. To date, FoPo has processed over 7 tons of almost wasted fruits and vegetables, which equals to 14200 g of CO<sub>2</sub> prevented and 854 L of H<sub>2</sub>O saved, with committed orders worth over 5 tons of waste fruit (8000 kg CO<sub>2</sub> & over 600 L H<sub>2</sub>O).



**Education for Sharing**

(Mexico, Guatemala, Argentina, USA, Panama, Dominican Republic, New Zealand)

Through its educational program "Science for Sharing", Education for Sharing gives children between the ages 6 and 12 years old a hands-on approach to science, technology, engineering, and math (STEM) to make the subject matter accessible, relevant, and interesting. Through games and experiments, students learn about civic values



and the Sustainable Development Goals, and connect the knowledge of STEM fields to the solution of global problems from a local perspective. Science for Sharing allows students to integrate knowledge from other subjects in order to improve their own communities. Education for Sharing has served a total of 905,269 beneficiaries all over the world.

### **PetaBencana** (Indonesia)



PetaBencana.id is a free web-based platform that produces megacity-scale visualizations of disasters in Indonesia using both crowdsourced reporting & government agency validations in real time. By democratizing decision support, the platform increases the safety and resilience of cities through greater inclusivity. (selected but not present at exhibit)