IWI pa!

Co-creating a water pump for use by farmers in northern Uganda

12 May 2025



Building community in Uganda: a Co-Creation Summit experience



The team poses with the water pump. Left to right: Cosmas (Kulika Uganda), Tarek (D-Lab), Ruta, Alex (D-Lab), Carol (Kulika Uganda), Isaac, Sunday, Amos (Andre Foods International), Philip (Kulika Uganda). Photo: Courtesy Tarek Meah.

Table of Contents

- 1. Project Context + Background (incl. Co-creation goals)
- 2. Key stakeholders
- 3. Achievements (at and after the Co-creation summit)
- 4. Maker model spectrum
- 5. Business Model Canvas for Humanitarian Innovation
- 6. Conclusion









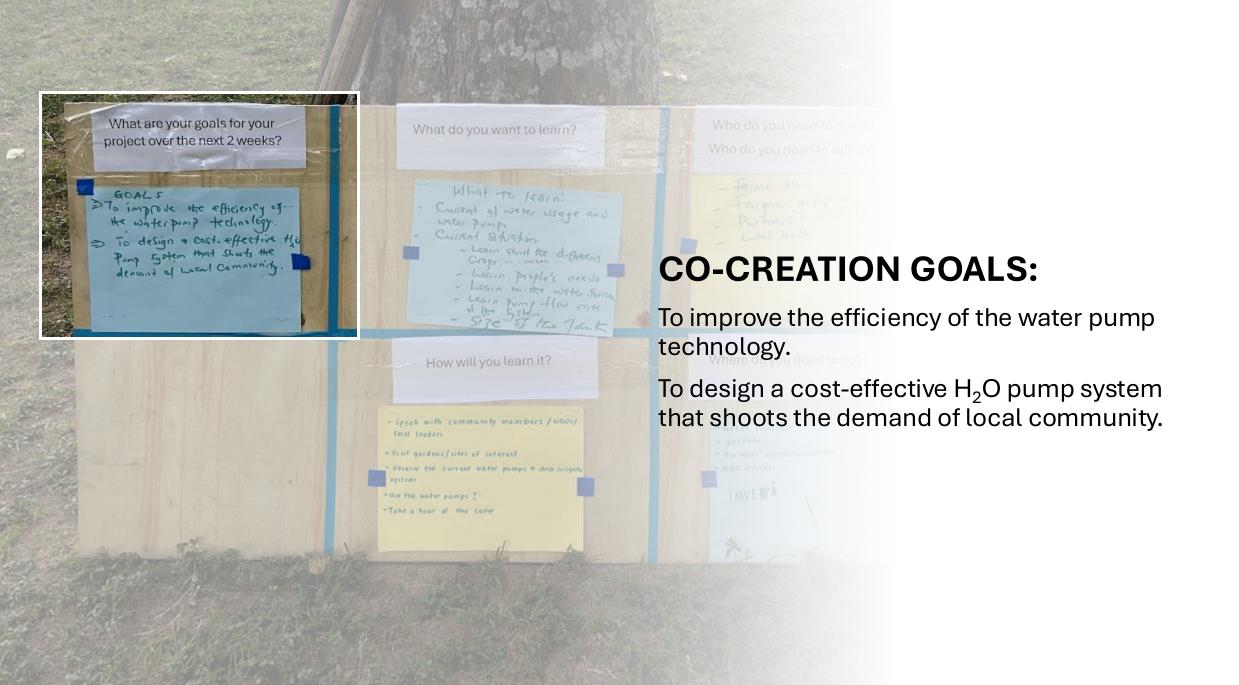


PATH STATEMENT:

Farmers spend 4-6 hours a day collecting water from streams to water their crops. Our IWI water pump cuts this time in half and also improves farmers' accessibility to water during the dry season. We all know water is life; the IWI water pump will make us thrive!











KEY STAKEHOLDERS:

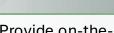
End users who will use the pump on a daily basis.

Farmers



Coordinate shared resources and influence adoption within communities.

OUAA (farmers group)



Provide on-theground support and connect the project to local communities.

Kulika Uganda



Transforming Livelihoods

Manage agricultural training in the camps and support implementation.

Andre Foods International



Designed, tested, and iterated the pump based on feedback from local partners.

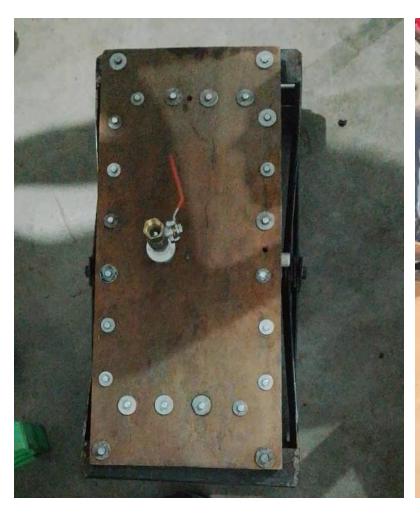
Our team



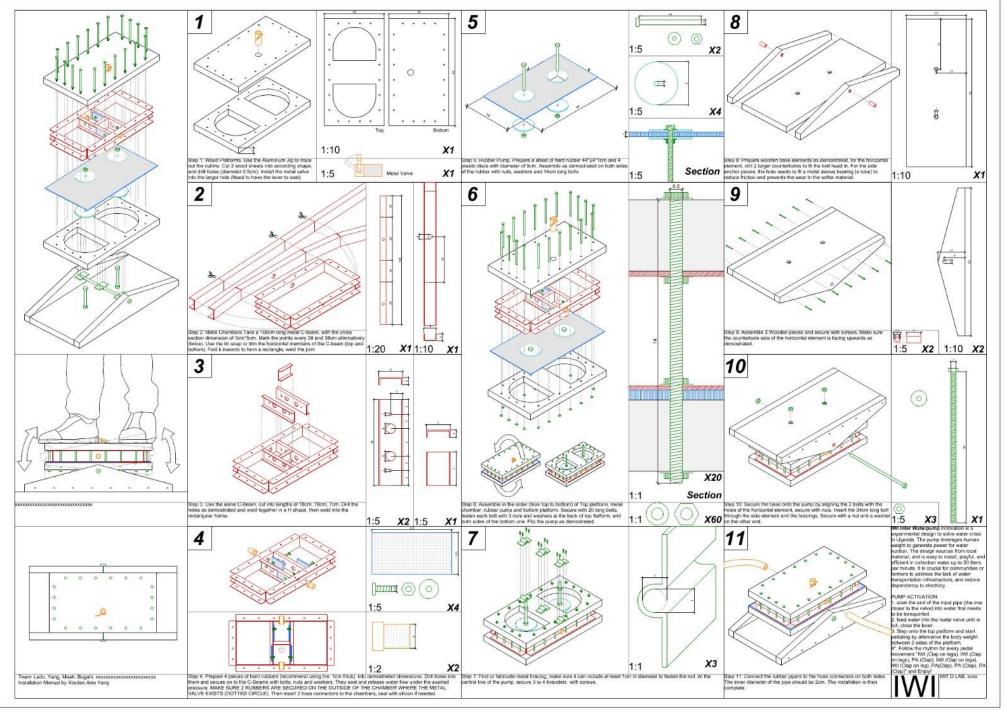


- 1. Learned how to assemble rocker/ foot water pump.
- 2. Demonstrated the pump at Rhino and Mvepi + piqued farmers' interests/ received feedback.
- 3. Purchased local materials to develop prototype.
- 4. Began fabrication of pump (adapted to local context).









Maker Model Spectrum

"I'm very happy that you said it's made local here" - Samuel, farmer in Imvepi





1 maker, making 1 million things

1 million makers, making 1 thing

Humanitarian Innovation Business Model Canvas



						consulting
	Partners	The innovation	Value proposition		Unique selling	Segments
	Who are the essential groups you will need to work with to deliver your solution?	Problem What is the problem you are solving?	What is the value you are offering to the people who are willing to pay to address the problem? Reliable, low-cost		point What about your solution can't be replicated?	Users Who are the people who
	CBOs (farmers		_	n solution I to local needs	The amount of time,	experience the problem?
	2/2/2	Inconsistent water + inefficient watering ATION system	access		effort, and dedication of our team VAL DELIV	rarmers UE
	Key resources	Solution	Imp	act	Channels	Clients
	Who are assets you need to deliver the solution? People, places, ideas, finances, and	What is the solution you are offering?	What is the value you a people who are experie	ncing the problem?	How are you reaching your segments?	Who are the people who are willing to pay to address the problem?
People: Farmers, CBOs; Ideas: co-creation; Fin	· ·	Manual water pump	crops; Less phy		Community networks	Individual farmers, farme groups, CBOs, INGOs
	community, materials			over farming roductivity		
	Cost structure			Revenue		
What are your fixed and variable costs?				What value will you generate to ensure the solution can continue to be delivered?		

VALUE

CAPTURE

Fixed costs: tools/ fabrication equipment Variable costs: materials, labor, transportation

Negative externalities

What costs are you generating for others? How does your solution impact the environment? How does it impact your partners? How does it impact your users?

Costs for others: initial purchase cost Environmental impact: low-impact design Impact on partners: strengthens local capacity Impact on users: saves time on irrigation

Sell affordable pumps to farmer groups + NGOs Reinvest revenue into local fabrication, training, + maintenance

Success metrics

Key metrics you will use to know your model is delivering all the dimensions of value.

Number of pumps sold and in active use; Reduction in time farmers spend manually watering; Increase in crop yields or planting frequency; Number of local fabricators trained and retained

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Produced by Something Meaningful Consulting, inspired by The Business Model Canvas, The Sustainable Business Model Canvas and The Social Business Model Canvas

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1. IWI-Uganda will replace the metal base with a wooden one, to decrease cost of materials and overall cost of pump to farmers.

book forward to implementing this to some our

- 2. IWI-US will continue to apply for grants.
- 3. Both teams will continue to communicate via WhatsApp chat and weekly video/phone calls.



