



UniWater Education Limited
2016 Annual Report

A Message from Our Executive Director

Laura Olmsted



Greetings to You!

2016 was definitely a challenging year for UniWater - while we were able to expand our reach within the African university family, we experienced a set back in another area. So, a year of ups and downs, and new insight gained - we learn as we go in this sector, making our way with no one to follow.

Our original 'pilot' program encompassed three universities in Kenya, Tanzania and Nigeria. Our program at Sokoine University of Agriculture in Tanzania was approved by the university senate committee, but even though there were plenty of students applying to enter the program, they were unable to find scholarships, and the program did not go ahead as planned. This is heart-breaking when so much effort was spent on getting it approved, not only by the university but also the Tanzanian Commission of Universities.

On the upside, we have been working with two universities in Ethiopia - Bahir Dar university has started a new MSc program in Hydrogeology and have asked that we provide some support, and Hawassa University Institute of Technology is currently working to get its university senate committee approval to begin their program in 2017. So this makes a total of five active partnerships.

With regards to funding, we continue to struggle financially. We have shifted gears with regards to how we approach future opportunities, looking for ways to collaborate with other like-minded organizations. We see potential in partnering with established universities, expanding their outreach programs in the groundwater sector and raising our profile and exposure.

2017 looks like a year of promise! We have the mantra of 'the little engine that could' and I have confidence that this little engine will make to the top of the hill.

Best regards
Laura Olmsted
Executive Director

Review 2016

Recommended Action for 2016	Status
Establish the metrics for the UniWater Program.	Ongoing
Once we have notification of the initiation of any of the programs, follow through with application for Grand Challenges Canada Phase 2 funding.	Incomplete
Improve funding by using a combination of applications, awareness raising and working with John Armstrong.	Ongoing
Establish Memorandums of Understanding with the Pilot Program Universities.	Ongoing
Work with Michael Frind on the Camel Caravan and get texts to Pilot Universities.	Success in Tanzania Ongoing elsewhere
Pursue collaborative relationships with organizations, particularly those who can assist with the field school practical training.	Incomplete
Ensure adequate insurance is in place prior to travel in Africa.	Complete
Dependent upon sufficient funding, promote program at 2 conferences.	Incomplete

Discussion

Metrics

Currently, the metrics for the UniWater Program are tabulated in SmartSheet and consist only of data collection based on our operational activities. Once an MSc program is operating, the metrics will include monitoring of impacts resulting from the education programs.

Curriculum

Minor revisions to several curriculum modules were made, however these were restricted by time available. Two new modules (Climate Change and Mining Hydrogeology) were begun.

Host Programs

One Host Program at Sokoine University of Agriculture, Tanzania, was approved but the program did not start due to a lack of scholarships available to the students. Three additional Host Programs are in the process of approval including:

1. University of Calabar (Nigeria)
2. University of Nairobi (Kenya)
3. Hawassa University Institute of Technology (Ethiopia)

We are currently in discussion with 20 potential Host Programs in Ghana, South Africa, Rwanda, Zimbabwe, Malawi, Kenya, Nigeria, Ethiopia, Tanzania, Namibia, Congo, Botswana, and The Gambia.

Camel Caravan

During the 2013-2105 period we collected 266 books (119 new and 147 used). In 2016 we:

- Collected 28 used books
- Shipped 60 books (34 new, 26 used) to Tanzania - valued at \$10,776. They travelled 20,500 km via Calgary, Edmonton, Los Angeles, Qatar, Arusha then to Morogoro. These included new texts on Groundwater and Wells - one for each new student
- Five 'camels' transported the books as extra luggage.

We continue to collect books and will send collections to other host universities, once their programs have been approved by their University Senate Committees.

Fundraising & Events

While we did submit a number of funding applications we were unsuccessful in receiving funding from the following organizations:

- National Groundwater Research and Educational Foundation
- International Associate of Hydrogeologists
- Wentworth Resources
- BarrickGold
- Coca-Cola Company
- Global Environment Technology Foundation
- Global Resilience Partnership
- Reach Catalyst Grants
- Fig Tree Foundation
- Rockefeller Foundation

We were given pocket change at several African events where we set up an information table to raise awareness, at the following events.

- Afrikadey and the African Beauty Pageant
- Young African Professionals YYC
- Nigerian Canadian Club of Calgary

We did not apply for Grand Challenges Phase 2 funding due to a lack of metrics of impacts. As a result of the program not commencing in Tanzania (Sekoine University of Agriculture), our abiltiy to apply for funding from this sources will also be delayed.

Collaborative Relationships

We discovered that we need to be talking to different people. Organizations working at the community level are not interested in training programs, particularly, one-to-two year MSc programs where the impact is not immediately apparent.

We have not pursued collaborative industry connections to assist with the field school, with the exception of Ajay Industries, a pump/well supplier based in India.

Marketing Materials

We worked well with Barb Briggs to produce professional marketing documents. We will continue to do so in the future to minimize time required and maximize impact from them. We developed the following materials:

- Talking Points
- Logic Strategy
- Camel Caravan Postcard
- 2 Banners

Memorandum of Understanding (MoU)

We developed a MoU to be used with the host universities. It has been reviewed by several people and is now in review by the Canada Revenue Agency to ensure it does not contravene our charitable status. It has taken 11 months so far.

Insurance

We arranged for Kidnap and Ransom insurance to be put in place before any travel to Africa.

Conference Participation

Due to a lack of funding, we did not attend the two conferences that we had planned to attend in 2016.

Looking Forward - 2017

The following actions are suggested for 2017:

1. Attend the Prospectors and Developers Convention in Toronto: Review the list of exhibitors and determine which companies have activities in Africa, then approach them to solicit interest in contributing to UniWater with respect to funding, curriculum or field school activities.
2. Prepare White Paper: Submit it to African Ministers Council on Water (AMCOW). Go to AMCOW meeting and give a presentation to the committee.
3. Establish partnerships with Rotary International and UNICEF.
4. Increase visibility in the Calgary business community to solicit volunteer help with developing curricula, managing Camel Caravan and fund raising.

Financial Matters

Balance Sheet as of December 31, 2016 - Unaudited Charitable Financial Statement

	2016	2015
Total Revenue	\$894	\$1000
Total Charitable Expenditures	\$18,424	\$1,466
Total Non-Charitable Expenditures	\$12,220	\$2,182
Total Expenditures	\$30,644	\$3,648
Surplus (Deficit) Current Year	-\$29,750	-\$2,648
Surplus (Deficit) End of Current Year	\$20,189	\$49,939
Cash Beginning of Year	\$19,331	\$26,089
Cash End of Year	-\$15,851	-\$6758
Change in Cash Position	\$3,480	\$19,331

ASSETS

	<u>2016</u>	<u>2015</u>
Cash	\$3,479	\$19,331
Furniture & Fixtures	\$710	\$710
Computer Hardware	\$568	\$0
Inventory - Equipment	\$105	\$0
Inventory - Books	\$15,327	\$29,899
Total Assets:	\$20,189	\$49,939

LIABILITIES

Accounts Payable & Accrued Liabilities	\$0	\$0
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SURPLUS END OF YEAR

	<u>\$20,189</u>	<u>\$49,939</u>
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UniWater Education Logic Model

Vision: To get more water professionals trained in Africa to ensure availability and sustainable management of water and sanitation for all.

Mission: We partner with African universities to train Africans in-country to solve African water challenges. We work to get applied MSc programs in Hydrogeology and Water Resource Management started at established universities.



Assumptions

Traditional models of addressing access to water are not working. African communities/individuals are interested in and see the value in acquiring higher levels of education in-country, even if the quality is not as high as some western countries/programs. There is a lack of trained water professionals in Africa. African Universities can sustain and support the ongoing operation of an MSc program.

By establishing relevant practical MSc programs in African countries, more individuals will be trained, which leads to better water access/management/use/allocation, which leads to better health and a reduction of death.

UniWater Education Limited

UNI WATER EDUCATION LIMITED is a small non-profit organization based in Calgary, Alberta, Canada. It was founded in November 2011 and incorporated in Alberta on January 25, 2012. It was registered as a charity February 21, 2014. Currently it is managed by an Executive Director with oversight from a Board of Directors. There are no paid staff members.

OUR VISION

To get more water professionals trained in Africa to ensure availability and sustainable management of water and sanitation for all.

OUR MISSION

We partner with African Universities to train Africans in-country to solve African water challenges. We work to get applied MSc programs in Hydrogeology and Water Resource Management started at established universities.

MANAGEMENT & BOARD PERSONNEL INCLUDE:

- Laura Olmsted, MSc, P.Geol. - Executive Director (l olmsted@uniwatered.org)
- Peter Olmsted, MSc. P.Eng. -Senior Engineer, Matrix Solutions Inc.
- Robert McCullagh, CFP, CLU, RHU, CH.FC. - Independent Broker, Benefit Planners Inc.
- Bridget Scanlon PhD. - Senior Researcher, University of Texas (Austin)
- Kwesi Haizel - Independent Organic Farmer
- Jessica Dillabough, PhD. - Regulatory Affairs Advisor, Imperial Oil

FOR MORE INFORMATION ON UNI WATER EDUCATION LIMITED CONTACT US AT:

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