



## Global Practicum Opportunity Form

Learn more about Emory's Global Field Experience, a fund that students can apply for to cover travel costs [here](#). More information on hosting a student is [here](#).

Please e-mail this completed form **as soon as possible (ideally before Oct 31<sup>st</sup>)** and send it back to Dr. Matthew Freeman ([matthew.freeman@emory.edu](mailto:matthew.freeman@emory.edu)) & Dr. Joanne McGriff: ([joanne.a.mcgriff@emory.edu](mailto:joanne.a.mcgriff@emory.edu))

1. Contact (person who will review applications)
  - a. Name of organization: : Fundación Ingenieros en Acción
  - b. Contact Name: Carlos Valdez
  - c. Contact Email: [carlos.valdez@engineersinaction.org](mailto:carlos.valdez@engineersinaction.org)  
Skype: carlosvaldez83
  - d. Contact Phone: (591) 77286161

Our Health promoter, Aleine will work directly with the intern, including supervising and directing their daily activities and reviewing their community work products.

2. Project description

### *Project 1:*

- a. Project Name: "Andino" Methodist School.
- b. Project Description:

The program will have the greatest positive impact on health and well-being by increasing the number of toilets and hand washing stations appropriate for the number of students, teachers, and school personnel. It will include the construction of new bathrooms with six toilets and six hand washing stations that will be separated by gender. The project will connect the new bathrooms with the municipal water and sewer lines. The program will also include improvements to existing water and sanitation systems and the development of additional water storage capacities. The program will also include training in WASH and HWTS at the school.
- c. Project Location / Country:

The "Metodista Andino" School is located on the west side of the city of El Alto, near the road that leads to Oruro. Coordinates 16 ° 29'29.41 "S, 68 ° 13'27.49".



*Project 2*

- a. Project Name: "Rio Colorado" Methodist School.
- b. Project Description:

The program will build new bathrooms for the Methodist School in Rio Colorado. These Bathrooms will have eight toilets and nine hand washing stations that will be separated by gender. The school is located in an area that does not have access to municipal water and sewer lines, because of that, the program will build a wastewater treatment system. The existing water line will also be evaluated and improved. The existing well source will also be evaluated and the flow will be increased if is necessary.

Finally, the project will develop a school-based WASH and HWTs training. In Andino and Rio Colorado, training and workshops based on the WASH and HWTS schools will be carried out.

The students are important agents of change in their families and communities. This will have a direct and indirect impact on the health of the surrounding communities because it has been shown that this type of capacity development effectively reduces incidence of water-related diseases. Public health research will also be carried out through planning and management to promote health.

- c. Project Location / Country:

"Rio Colorado" Methodist School is located 32 kilometers from the city of Yucumo, located in the west end of the Department of Beni.  
Coordinates: 14 ° 52'27.59 "S, 67 ° 6'50.87"

3. Student engagement

- a. Describe student role in the project:

The Intern will work directly with our institution's Health Promoter to mainly approach Objectives 1, 3 and 4 through the implementation of WASH activities .

They will work together to develop a hygiene promotion program to provide basic training in health and hygiene in rural communities in Bolivia.

It is anticipated that this work will include working with students, teachers, administrators and parents to develop a school water, sanitation and hygiene (WASH) program, including training materials, to be incorporated into their curriculum.



They will also advocate for a program in which students are responsible for the cleanliness and basic maintenance of hand-washing and sanitation facilities at the school.

The integration of WASH into school programs has proven to be a highly effective and sustainable approach because it establishes healthy practices at an early age and children take these practices home.

In addition, community hygiene promotion events will be held in which students will present and promote the good hygiene practices they have learned.

The health promoter will conduct surveys before and after the training sessions to evaluate the effectiveness of the program.

They will compile quantitative and qualitative reference data on these indicators for all projects; interpret the results of the analysis that will be compared with the post-implementation data to measure the real impact. They will also conduct interviews and surveys with community members, educators and health providers to collect data on health indicators once the programs have been implemented.

#### Objective 1

##### Design and justification of the “Andino” Methodist School:

The program will have the greatest impact on health and well-being by increasing the number of toilets and appropriate hand washing stations for the number of students, teachers, and school personnel.

This program will include the construction of six toilets and six hand washing stations that will be separated by gender and personnel. The project will connect the new bathrooms with the municipal water and sewer lines. The program will also include improvements to existing water and sanitation systems and the development of additional water storage capacity.

The Program will also include training I WASH and HWTS at the school that will be conducted as described below:

- Rio Colorado Methodist School:



- The program will build eight toilets and nine hand washing stations that will be separated by gender and work staff.
- Because the School is located in an area that does not have access to municipal water or sewer lines, the program will build a wastewater treatment system.
- The existing water line will be evaluated and improved. The existing well source will also be evaluated and the flow will be increased if necessary.

Finally, the project will develop a WASH and HWTS training based on the school that will be carried out as describes below:

Andino and Rio Colorado: in both places, training and workshops based on the WASH and HWTS schools will be carried out. The Students are important agents of change in their families and communities. This will have a direct and indirect impact on the health of surrounding communities because or has been shown that this type of capacity development effectively reduces the incidence of water-related diseases.

Improvement of water lines. The existing water lines in each school will be evaluated for their condition and flow capacity. They will be improved and updated as necessary. Connection to the municipal water system. The water lines in the “Andino” Methodist School will be connected to the nearby municipal water lines.

#### Objective 2

Improved sanitary facilities. Construction of new sanitary facilities. This activity will include the construction of functional bathrooms for both schools, including new hand washing stations and separate bathrooms for boys and girls.

Sewage treatment. A wastewater treatment facility will be built at the Rio Colorado School to treat the discharge of the new toilets.

Connection to the municipal health system. The outlet pipes of the new toilets in the Andean School will be connected to the municipal sanitary sewer system of El Alto.

#### Objective 3

Effective home water treatment and safe storage practices (HWTS) Implement HWTS trainings, workshops and follow-ups in schools. The schools will be given trainings, workshops and follow-ups of HWTS.



During these activities, our Health Promoter will focus on issues such as the importance of water treatment and proper water storage practices. Teachers will have the ability to present the subject independently and as part of their regular classroom curriculum. Develop HWTS educational materials. Educational materials based on HWTS treatments will be developed by the health promoter and will be used during all trainings and workshops. An evaluation will be conducted to demonstrate practices and knowledge. Install water filters in each classroom. To ensure that Rio Colorado School students have safe drinking and safe water storage, water filters will be installed in each classroom.

#### Objective 4

Better understanding and use of hygiene practices. Implement training, workshops and monitoring of WASH in schools. The schools will be given trainings, workshops and WASH follow-ups. During these activities, the Health Promoter will focus on improved and effective daily hygiene practices. Teachers will have the ability to present the subject independently and as part of their regular classroom curriculum. Develop educational material WASH. The health promoter will develop educational material based on the aspects of WASH, which will be used during all the trainings and workshops. An evaluation will be conducted to demonstrate practices and knowledge, support activities.

- b. Expected deliverables:  
A report with an evaluation of the activities performed framed by the KAP methodology, and feedback of the activities.
- c. Specific skill requirements (qualitative, survey design, including language):  
WASH knowledge, skills developing workshops and knowledge to work under a establish methodology with indicators. It is important that the applicant knows Spanish as this is the official language of this project.
- d. Is the Project paid or unpaid? Is there any in-kind support (e.g., housing)?  
The project is unpaid, although the project will cover all the materials required for the workshops, activities and will provide an office space with unlimited internet access. It is expected that the applicant could afford the flight tickets, VISA, housing, food, and transportation while in country.



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Sanitation, and Hygiene**

- e. Timeline (students are typically available to travel to the site between May and August, but can work with the team both before and after this work):  
The program is open until August 2019.

4. What should students submit when applying (CV, cover letter)?

The interested student must present a cover letter and CV.

- a. By when should students apply?

We have one position that would like to fill by March 2019.

5. Emory University faculty contact (if any):

Contact in the country for logistical support:

Name and position: Carlos Augusto Valdez Beltrán, Director of Operation.

Email: [carlos.valdez@engineersinaction.org](mailto:carlos.valdez@engineersinaction.org)

Phone #: + 591-77286161 (mobile)