



## ENGINEERS WITHOUT BORDERS-USA DENVER PROFESSIONAL CHAPTER

### Meeting Minutes

December 13, 2016

### **NOTE NEW LOCATION: ENGINEERING AND COMPUTER SCIENCE BUILDING ROOM 300**

#### **Officers in Attendance**

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President – Rocky Macsalka

Secretary – Benjamin Mapes

Treasurer – Leah Dougherty

See sign-in sheet for general attendance

#### **Officer Reports**

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- **Membership Chair** - We have about 77 dues-paying members (as of June), over 618 people on the email distribution list. We welcome volunteers of all kinds. Use LinkedIn, facebook, twitter, etc. EWB-USA web site is being re-done. We use MailChimp to manage email lists, and it's available for chapters to use. **Cedar is resigning as membership chair, looking for a replacement.**
- **Treasurer**
  - **Account balances as of about Sept 30: (same report as last month)**
    - General Account \$4,601
    - Ecuador \$14,047
    - Madagascar \$17,784
    - Togo \$5,890 what to do about this balance? Would be a good idea to look at past transfers from the general account, and if it's more than this balance, then just send it back to the general account.
    - Tanzania \$9,131
    - EWB USA is changing their accounting system such that there will no longer be individual project accounts. There will just be one chapter account and it will be up to the chapter treasurer to track project balances, if the chapter wants to do it this way.
    - Madagascar won \$5000, Tanzania won \$4000 grants.
    - Chapter won \$2172 in the Volunteer Village contest.

- **Fundraising**

- Film Festival in planning stages, 2017 call for entries is out.
- Madagascar fundraiser is coming up February 7 at South Broadway Illegal Pete's. Info forthcoming.
- Need to start thinking about wine tasting event too. To be held at Posner Center, aiming for April.
- Year-end campaign is happening. If donation is made through chapter classy page, 100% goes to chapter.

- **Outreach**

- Jim Gusek is available to give presentations about EWB, feel free to ask.

## Project updates

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- **Ecuador Guantugloma project update** – Team traveled Nov 10 for 10 days for irrigation project, which is about 80% done. 56 users are being served. There was some difficulty with drip vs. sprinkler irrigation, but the water is too dirty for drip. So the community is using sprinklers, which is what they want to do. Potable project is 100% complete, will have monitoring trip in May or June 2017 and hopefully close it out.
- **Madagascar project update** – Team is there right now, the village of Ambalona recently burned to the ground and wells were damaged. In Anosimparihy, wells are being drilled, hit water at 12 m.
- **Togo project update** – none. Chris Fahlin working to close the project. Everything is on hold until we hear from EWB-USA.
- **Tanzania** – Annual report is published! See chapter website. Did alternatives analysis of pit latrines vs. composting latrines, sent it to community, decided on composting latrines. Implementation in Summer 2017.

## New Business

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- Kevin Andrezejewski with EWB-USA presented on the Engineering Service Corps. They consult with development agencies as clients, and partners with corporations as a resource. Opportunities are posted on their [website](#). They also have a new partnership with the UN to do work related to refugee camps. Opportunities can be 2-4 weeks on site + prep and follow-up (overall minimum 2 months).
- EWB Service Corps in Kosovo: Russ Zick spent the summer in Kosovo and shared his recent experiences with EWB Service Corps there. EWB partnered with Volunteers for Economic Growth Alliance (VEGA) on a USAID project, administered by Tetra Tech.
- EWB Mountain Region Conference Recap: EWB Denver Chapter members Tracy and John who attended the recent regional conference discussed what they learned. They found a project management section helpful, and a EWB Financial Report session that will be presented on later. There was a water quality session by a professor at ASU, it was announced that the Mountain Region is putting together a water quality test kit that can be rented by travel teams for less than buying it. Contact Vicky Karanikola, [vkaranik@email.arizona.edu](mailto:vkaranik@email.arizona.edu). We watched a short video on the UN Sustainable Development Goals and discussed them briefly.



## Next Meeting

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January 10, 2017. University of Denver Engineering Building Hall, room 300.

## Project Contact Information

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- **Ecuador**, team meets on the 4th Wednesday of every month, typically from 7 to 8:30 pm. **NOT MEETING IN DECEMBER**

Guantugloma - John Jankousky, [John.Jankousky@eme-solutions.com](mailto:John.Jankousky@eme-solutions.com)

Malingua Pamba irrigation: [ScottFanello@gmail.com](mailto:ScottFanello@gmail.com)

[KKNTThomp@gmail.com](mailto:KKNTThomp@gmail.com)

Malingua Pamba erosion: Laura Backus, [lbackus@gmail.com](mailto:lbackus@gmail.com)

- **Tanzania**, team meets on 4<sup>th</sup> Tuesday of every month, 6 pm. Malinda Reese, [malinda.reese@apexdesignpc.com](mailto:malinda.reese@apexdesignpc.com)
- **Madagascar**, team meets on 4<sup>th</sup> Tuesday of every month, 7 pm. John Abrams, [johnlabrams@gmail.com](mailto:johnlabrams@gmail.com)  
**NOT MEETING IN DECEMBER**

## Post-meeting

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Socializing and libations at The Pioneer

# ENGINEERING SERVICE CORPS

*Building a Better World*



## ENGINEERS WITHOUT BORDERS USA

Engineers Without Borders USA (EWB-USA) builds a better world through engineering projects that empower communities and improve lives. The organization's 18,800+ volunteers have engineered change through almost 700 projects in more than 42 countries. They volunteer their time, their energy and their expertise in pursuit of our vision of a world where every community has the capacity to sustainably meet their basic human needs.

## ENGINEERING SERVICE CORPS

EWB-USA's Engineering Service Corps (ESC) program draws on the expertise of the organization's most seasoned volunteers from across engineering disciplines and industry sectors. The ESC collaborates with international NGOs, governments, UN agencies and local communities to design and implement sustainable and technologically appropriate solutions to engineering challenges.

Projects vary greatly in scale and duration, with focus areas of expertise in disaster response, infrastructure, agriculture, energy and WASH. ESC volunteers perform a variety of services, including engineering studies, owner's representation, planning, design, reviews and monitoring and evaluation.



### Improving the Sustainability of Kosovo Agriculture

In Kosovo, the ESC is currently managing a USAID Farmer-to-Farmer Technical Program through the support of the MEGA Alliance and Tetra Tech's AGRO Initiative.

ESC volunteers are working across agriculture value chains to provide technical engineering services to Kosovo agribusinesses, processors and the farming community.

Our experienced volunteers are providing designs, evaluations and improvements to the agriculture sector of Kosovo to increase produce quality and market access.

### PROJECTS

25

Completed or currently in progress.

### MEMBERS

1,200+

Engineering Service Corps experts.

### REACH

150K

Beneficiaries since 2015.

EMAIL: [SERVICE.CORPS@EWB-USA.ORG](mailto:SERVICE.CORPS@EWB-USA.ORG)

VISIT: [EWB-USA.ORG/ENGINEERING-SERVICE-CORPS](http://EWB-USA.ORG/ENGINEERING-SERVICE-CORPS)



## DISASTER RESPONSE

The ESC responds to disasters by providing engineering expertise to host-country NGOs and governments. Services provided include: building inspection, demolition assessment, geologic risk assessments and refugee camp infrastructure studies. Past projects include post-earthquake structural assessments and the provision of guidance on safe demolition and rebuilding practices in Nepal and Ecuador.



## AGRICULTURE

Through the summer of 2017, the ESC is implementing a USAID Farmer-to-Farmer Program in Kosovo. The agriculture sector in Kosovo is currently hindered by the lack of proper post-harvest facilities and processing technologies. ESC volunteers are providing engineering support to agribusinesses and farmers across the country to evaluate, design and improve the process to bring agriculture products to the commercial market throughout Europe.



## INFRASTRUCTURE

Infrastructure services provided by ESC volunteers include: feasibility studies, structural design, design reviews and construction oversight as the owner's representative. Past projects include improving hospital systems in an Ebola-affected area of Sierra Leone and a feasibility study on a \$2.5m wastewater system for a refugee camp in the West Bank.



## WASH

The ESC excels at providing services for the water, sanitation and hygiene (WASH) sector. Past projects in this area include the installation of a sand filtration system in Jayabraj, Guatemala, serving more than 25,000 beneficiaries and the evaluation of household water services that are being utilized by more than 9,000 residents in Tongor, Ghana.



## ENERGY

Tackling energy-related challenges has become a core offering of services provided by the ESC. Our volunteer experts understand the inherited social and technical issues to designing and implementing locally appropriate technologies. Past projects include the design and construction of a solar micro-grid at a UNHCR refugee camp in Nepal giving 22,000 Bhutanese refugees light and a study to rehabilitate a retired hydroelectric system in Guatemala to reduce the power generation cost and utilize "green energy" to address climate change concerns.

TO LEARN MORE ABOUT OUR PROJECTS, VISIT: [EWB-USA.ORG/ENGINEERING-SERVICE-CORPS](http://EWB-USA.ORG/ENGINEERING-SERVICE-CORPS)



### Repairing Pumps in Drought-Stricken Africa

In Ethiopia, ESC is partnering with Project Concern International (PCI) under USAID/OFDA to address drought issues in the country's Afar and Bale regions. As part of the work, engineers assessed hand pumps and diesel electric-powered pumps at dozens of rural locations.

The project's goal is to expediently bring clean water to drought-stricken villages. Within a four-week period, ESC volunteers assessed 48 water points, repaired 16 pumps and conducted numerous water quality tests.

#### PARTNERS



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FROM THE AMERICAN PEOPLE

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