Empowering Developing Countries Through Universities

Jonathan Rose
Board of Directors, AWB

Department of Electrical & Computer Engineering
University of Toronto
AWB supports **developing countries**
to improve and expand their **universities**
Universities can make a difference...

...within the community in which they are based...

...the better they are, the bigger the difference
Universities are often neglected by the aid community in favour of direct education and health support.

But capable teachers and health workers emerge from university programs.
AWB enables developing countries to educate the professionals and do the research they need for their development.
AWB sends volunteers to train the trainers in developing universities.
Projects originate from the country institutions who provide financial or in-kind contributions.

We work in place to avoid a brain drain.

AWB’s volunteer: Elizabeth Quaglia
University of Cape Coast, Ghana
Teaching teachers multiplies **impact**!

**Impact of one volunteer**

- **AWB Volunteer**
- **Trained Professors**
- **Trained Medical Students**
- **Patients Treated**
Not Just Theory

My Personal Experience in Ethiopia and Continuing Connection Has Multiplied!
Long-Term Solution: University Training
AWB WORKS IN

Barbados, Benin, Bhutan, Cambodia, East Africa, Ethiopia, Ghana, Guyana, Indonesia, Kenya, Kyrgyz Republic, Liberia, Malawi, Namibia, Nepal, Nigeria, Philippines, Rwanda, Serbia, Sierra Leone, Tanzania, Ukraine, Uganda and Vietnam

4 CONTINENTS; 23 COUNTRIES; 38 UNIVERSITIES
Projects are extremely **cost effective**

Typically range from **$1500 to $9000**

Volunteers not paid - AWB covers expenses

**No** funds or equipment given to host institutions
AWB Project in Ethiopia

96.5 million people: 13 cardiologists

No standardized residency program
Mekelle University’s Medical School requested support for building capacity in cardiovascular medicine

Dean Yazezew Kebede
AWB project first phase: needs assessment

AWB volunteers from Faculty of Medicine, University of Alberta
Next steps identified:
Send volunteers - a cardiologist and cardiology technician and/or a nurse

2-3 times a year for 3 years

Objectives:
Improved teaching of cardiology to medical students

Improved care of patients with cardiovascular disease in the teaching hospital
Mekelle University contributes:
  Housing
  Meals
  In-country transportation

AWB contributes:
  Airfare
  Vaccinations
  Visa
  Medication

\$5624
(costs of 2 volunteers)
Follow up in April 2016
AWB sent cardiac sonographer and cardiologist volunteers

Laura Maser
Cardiac Sonographer

Dr. Allen Jones
Cardiologist
Our future collaboration:

Draft plan for **residency program** at Mekelle

Find **partners** to work with to set up program

Raise **funds** for the program

**Stay** involved for as long as it takes
Developing world universities:

- **Originate** project proposals
- **Determine** project activities and objectives
- **Contribute** in kind and financially
- **Make** final selection of volunteers
- **Sustain** project activities once volunteers have departed

The universities themselves are the **agents of change**
AWB:

Offers **assistance** in drafting project proposals
   Determines whether AWB can do the projects

**Recruits** the projects’ volunteers
   Prepares them for their postings
   Makes the travel arrangements
   Covers expenses not covered by the universities
   Delivers outcome reports to the universities

Does a follow-up **evaluation** to make sure that the project has been sustained
AWB will do projects in **any area** of university activity -- health professions, teaching & learning methodology, research, academic disciplines, student services, and back office operations.
AWB PROJECT IN RWANDA

In Rwanda (2013) with the Ministry of Education to help restructuring its system of higher education by setting up the University of Rwanda. AWB provided the Strategic Advisors for the project.

Robin Farquhar: PhD, President Emeritus, Carleton University & the University of Winnipeg.
Anthony M. Morgan: PhD, Former Vice President of Administration and Finance at the University of Utah
AWB PROJECT IN PHILLIPINES

In Philippines (2015-2020), at the University of San Carlos to work with some of the faculty in its Science and Mathematics Education Department to upgrade their ability to teach and run workshops for school teachers in statistics and probability.

Lionel Mendoza

Lionel Pereira-Mendoza: PhD, Former Associate Dean (Educational Research), Graduate Programmes and Research Office, National Institute of Education, Singapore
UPCOMING PROJECT IN KENYA

In Kenya (2018), at the University of Nairobi’s Institute for Tropical and Infectious Diseases, Jason will train junior faculty members and graduate students in virology research.

Jason Kindrachuk: PhD, Assistant Professor, Department of Medical Microbiology, University of Manitoba, Winnipeg, Manitoba
AWB Project: University of Central Asia, Kyrgyz Republic

Volunteer: David Valliere, Ph.D. Associate Professor of Entrepreneurship and Strategy, Ryerson University, Ontario

Strengthen the School of Arts and Science

Design & deliver 2 workshops in quantitative research methodology:
(1) Develop faculty knowledge on quantitative research methodology & techniques; enable development of research proposals and survey instruments
(2) Focus on interpretation of data gathered & development of research reports

June 2017 & May 2018
AWB & Aga Khan University

A focus university with diverse AWB programs

School of Nursing and Midwifery
Curriculum and assessment enhancement
Classroom pedagogy
Faculty research capacity

Graduate School of Media and Communications
Integration of information technology in programs

Across all academic units
1-to-1 mentors to enhance research capacity
Establishment of quality assurance and enhancement programs
Enhanced capability in teaching and learning support

Medical School, Tanzania
Enhance new post graduate program in Internal Medicine
Do volunteers & their University benefit?

The experience changes them

- New perspectives on the world
- New perspectives on teaching and research
- All brought back home
- Appreciate the opportunity to help others

An AWB volunteer at the University of Liberia
AWB University Network Members

Brock University
Carleton University
Concordia University
Dalhousie University
MacEwan University
McGill University
McMaster University
Queen’s University
Ryerson University
Simon Fraser University
Saint Mary’s University
Univités de Montréal
University of Alberta
University of Calgary
The University of Manitoba
University of Saskatchewan
University of Toronto
The University of Winnipeg
Western University
Wilfrid Laurier University
York University
Almost All Ingredients Needed

Hundreds of volunteers ready to go
Many requests from institutions
High Impact & Low Cost: $4217 average per project
Core need: funding for these projects

AWB volunteer and faculty members, University of Liberia
Question

In university-level education, what is the right balance between **taking** from developing countries and **giving back**?
### What Does One Engineering Student Bring to Canada?

<table>
<thead>
<tr>
<th>Benefit to Canada</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four Year Visa-student’s tuition in Engineering:</td>
<td>$200K</td>
</tr>
<tr>
<td>Value of one student’s prior K-12 education</td>
<td>$120K</td>
</tr>
<tr>
<td>Lifetime earning in Canada, if stays</td>
<td>$4M</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$4.32M</strong></td>
</tr>
</tbody>
</table>

| Cost of One AWB Project                               | $5K     |
About AWB|USF

Academics Without Borders | Universitaires sans frontières

**Bilingual** French-English
A **virtual** organization, based in Montreal

Founded in **2007**
Canadian Charitable Status, **2008**
First project in **2009**
To date: **75** projects and **100** volunteers
US Charitable Status, **2015**

**21** Canadian Universities have taken membership in AWB’s network
& Representatives in **65** universities
Greg Moran – New Executive Director of AWB

- Researcher, Aga Khan University Institute for Human Development
  - Former Provost, Aga Khan University
  - Provost & Vice President (Academic) Emeritus, Western University
  - Former Director, Special Projects, Higher Education Quality Council of Ontario
Contacting

Academics Without Borders/
Universitaires sans frontières

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http://www.awb-usf.org

(Donate online!)