

# Synergy between the GCSP and Aligned Programs

## Engineers without Borders – International

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**07<sup>th</sup> August 2019**

EWB-I President

Belo Horizonte, Brazil

***Engineers Without Borders International (EWB-I) is an international association of national EWB/ ISF groups.***

***EWB-I helps the member groups develop their capacity to assist developing communities in their respective countries.***

## ***EWB-I VISION***

*A sustainable world  
where engineering  
enables long term  
positive social and  
global development  
for the benefit of  
people and the  
environment  
everywhere.*



## ***EWB-I MISSION***

*To be the beating  
heart of the  
engineering  
movement for  
sustainable global  
development, building  
and evolving  
engineering capacity  
throughout the world.*



## ***EWB-I APPROACH***

*Promoting collaboration among  
our members so that collectively  
we achieve more than the sum of  
our parts. EWB-I recognizes that  
addressing the challenges of  
sustainable global development  
requires the expertise, innovation,  
resources and problem-solving  
skills existing in the global  
engineering community.*







**Global coverage of EWB International**

NAE GCSF Workshop, Belo Horizonte, Brazil, August 2019

## **65 Member Associations**

*By the Human Development*

*Index:*

- 27 MA's from Very High Countries
- 13 MA's from High Countries
- 13 MA's from Medium Countries
- 12 MA's from Low Countries

*Professional and Student  
Chapters in many countries.*

*Today's Reach – over 150,000  
young, excited, inspired,  
engineers of tomorrow!*



NAE GCSP Workshop, Belo Horizonte, Brazil, August 2019

## **CONNECTING PEOPLE:**

- Forums / Networks / Knowledge
- Partners' projects between EWB Member Associations

## **PROVIDING STRUCTURES & SYSTEMS:**

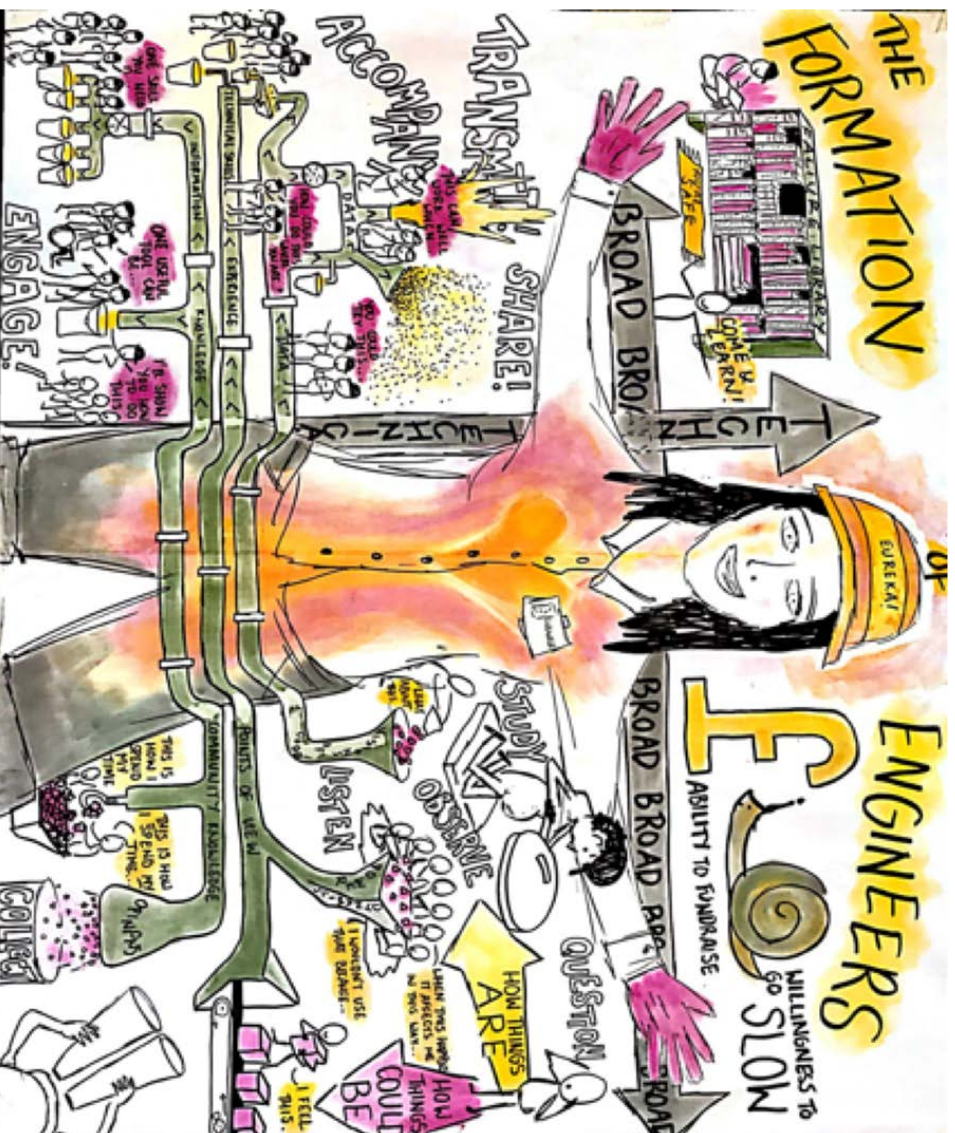
- 501C in the USA
- Funding through grants
- Strong support by interested corporations and companies

## **EFFECTIVENESS AND**

## **ACCOUNTABILITY:**

- Impact and scale of change
- Efficiency
- Feasibility / Risk
- Capability to deliver





NAE GCSP Workshop, Belo Horizonte, Brazil, August 2019

## ***EWBs produce Engineers that are:***

- Systems thinking
- Socially minded
- Having global perspective
- Having strong leadership
- Understanding complexity
- Having better communication

*Undergraduate engineering students actively participate on the projects incorporating the experience in their formal courses and new projects.*

*Tomorrow's Reach – Millions of young T-shaped Engineers!*

*Every engineer is an agent of change to create a just and sustainable society.*

## Synergies with the Grand Challenges Scholars Program

- **Talent Competency:** mentored research/ creative experience on a Grand Challenge – like topic, much like EWB programs
- **Multidisciplinary Competency:** understanding multidisciplinary of engineering systems solutions developed through personal engagement
- **Viable Business/ Entrepreneurship Competency:** understanding, preferably developed through experience, of the necessity of a viable business model for solution implementation.
- **Multicultural Competency:** understanding different cultures, preferably through multicultural experiences, to ensure cultural acceptance of proposed engineering solutions.
- **Social Consciousness Competency:** understanding that the engineering solutions should primarily serve people and society reflecting social aspect.





## *Synergies with the Grand Challenges Scholars Program*

- ***Already Established Cooperation:*** EWB Hong Kong is running the “***EWB Global Citizenship Program***” supported by 4 universities in Hong Kong. This is one of the recognized programs by City University of Hong Kong which has the GCSP program at the same time.
- ***EWB GCP*** has been presented on the GCSP Workshop, organized in August 2018 in Hong Kong.
- ***EWB International*** participated on the GCSP Workshop in Bucharest, Romania in May 2019.

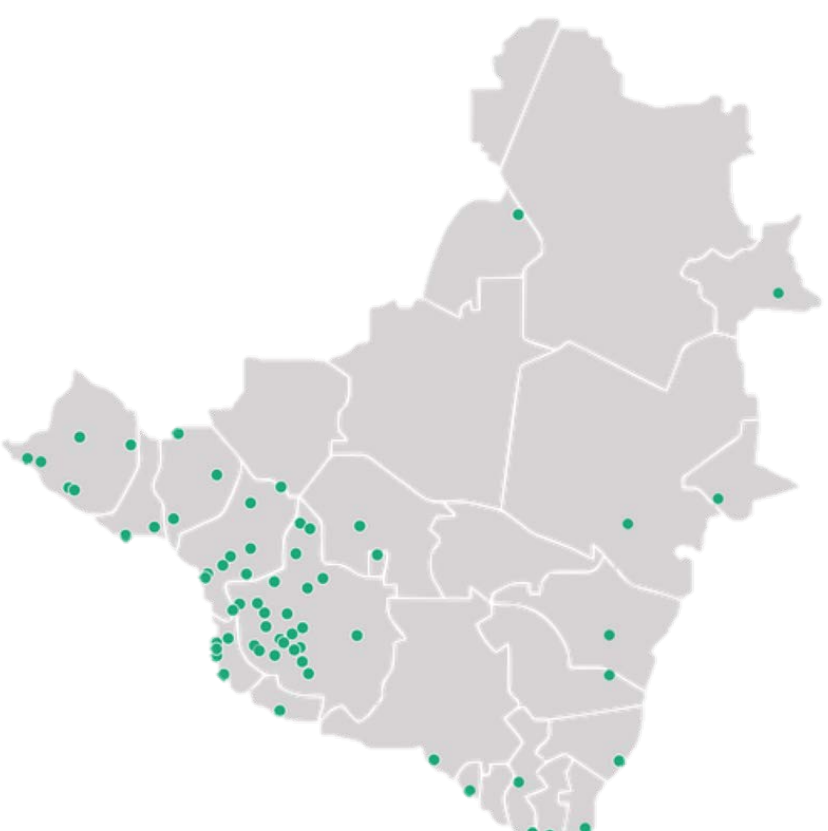




## *Elements of a successful Grand Challenges Scholars Program*

- *Central Steering Committee* to manage and provide oversight of the entire GCSP at EWB USA
- *Local Steering Committees* at each academic institution to do the local management and oversight of the scholars
- *Faculty Advisors and Mentors* to take care of working with each individual scholar and ensuring that they have exhibited sufficient learning in each of the 5 core competencies by NAE
- *A Backbone Learning Management System* that can track all the scholars
- *Certificate of Completion* for finishing GC Scholars, provided by EWB or the local institution and recognized by NAE





+ 70  
CITIES

+ 20  
STATES

+ 2000  
MEMBERS

+ 500  
PROJECTS

Engenheiros  
Sem Fronteiras  
Brasil

*Inspiring people,  
shaping the future*



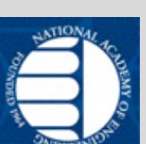


infrastructure  
sustainability



innovation  
education





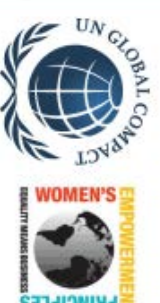
## EWB – BRAZIL AWARDS AND RECOGNITIONS

- *Full Member EWB-International (2013)*
- *ALCOA Grant (2013 and 2015)*
- *UN Global Compact (2019)*
- *UN Women's Empowerment Principles Submission (2019)*



*Programa Mentoria de Valor – Instituto Nissan (2019)*

- *Programa de Aceleração de Impacto Social – Phomenta (2019)*
- *Award ENATS de Boas Práticas de Gestão do 3º Setor (2019)*
- *Selo ONG Transparente do Instituto Doar (2019)*
- *Selo ONG Apoiada – Riso (2019)*



Programa de Aceleração de Impacto Social





# THANK YOU

[www.ewb-international.com](http://www.ewb-international.com)

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WITHOUT  
BORDERS**  
INTERNATIONAL

[www.esf.org.br/](http://www.esf.org.br/)

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