



engineers without borders finland

insinöörit ilman rajoja ry. – ingenjörer utan gränser rf.

**Be a changemaker and act on local and global goals from climate action to well-being of people and environment**

**Contact us :**

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**Mobile : +358 401762557**



# EWB-Finland – Brief history

- Advert in TEK journal in 2005 to form a
- Finnish chapter of EWB
  - invitation resulted in one reply!
- A handful of volunteers started to meet and discuss
- Registration of the association in 2007
- Joined Kepa (now Fingo)



EWB Finland's first chairperson Hlekiwe Kachali and TEK director Heikki Kauppi discuss in EWB info night in 2008

# Starting and re-starting up

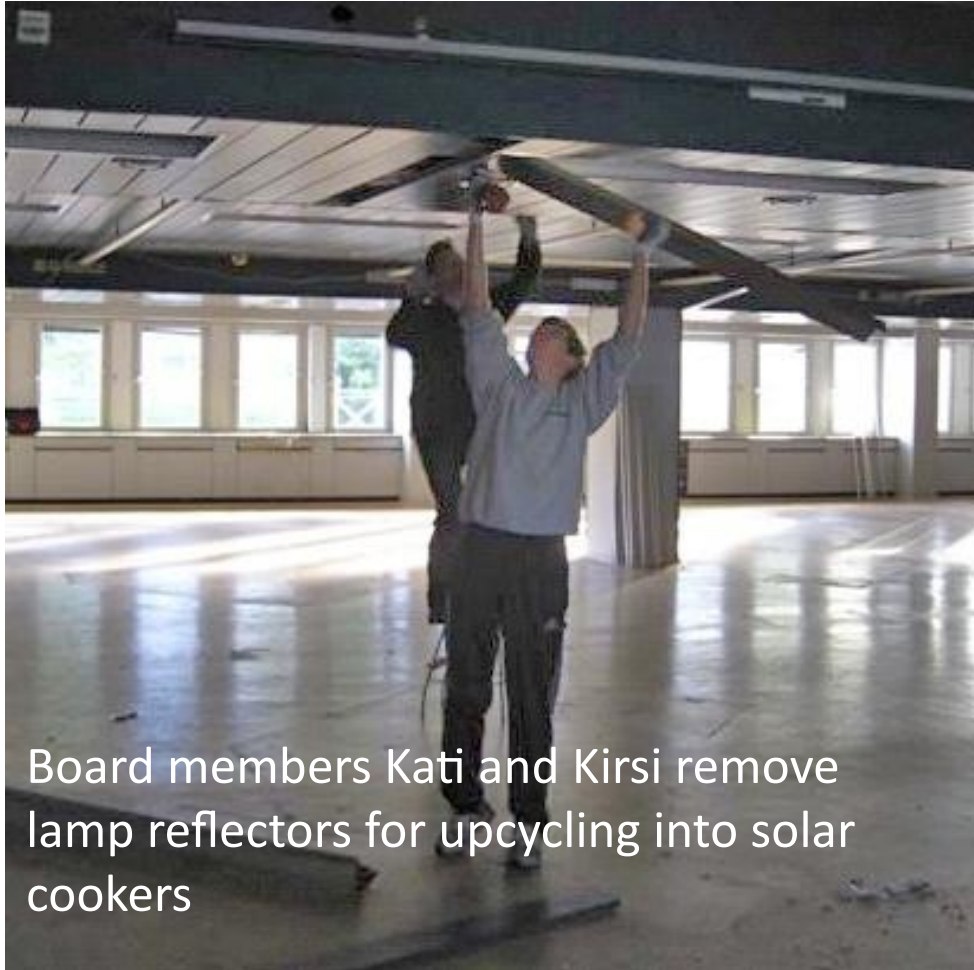
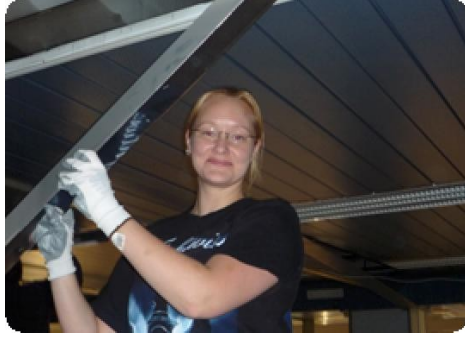
- Activities at Aalto during 2008-09
- Collaboration with Technology for Life (TEP ry) and Metropolia on solar cookers and dry toilets
- Collection and donation of laptops to refugee centre in Aavaranta
- Contacts with EWBs in other countries
- Restarted again by small group of academicians, students and professionals in 2016

<https://www.ewb-international.org/>



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Board members Kati and Kirsi remove lamp reflectors for upcycling into solar cookers



Pekka Haavisto presenting his experiences in delivering humanitarian aid at Aalto University in 2009

# Mission & Vision

**Our mission :** to advance human development for the needy communities by using appropriate technologies, engineering solutions & local-global resources in Finland and abroad

**Our vision:** We envision a world of sustainable and inclusive communities empowered by engineering solutions and community based services

**Our tagline :** we care for people and environment

*Board is consisted of 7 persons.*

*Board election are done every year*

**You can be part of the board !**



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# Our goals and projects

**EWB Finland is committed to align its programmes and activities with the UN Agenda 2030 and the 17 Sustainable Development Goals in Finland and abroad.**

**To achieve these we intend to**

- Educate and train our members e.g. in related to development and technology.
- Organize information and discussion.
- Disseminate information about current and important topics
- Organize meetings between its members and experts of technology
- Implement projects in collaboration with other organizations
- Conduct research in the area of development issues and technological solutions.

**Our projects :**

- We identify & plan the projects aligned with sustainable development 17 goals.
- We support , develop and implement community oriented projects that create positive impacts for human life and planet



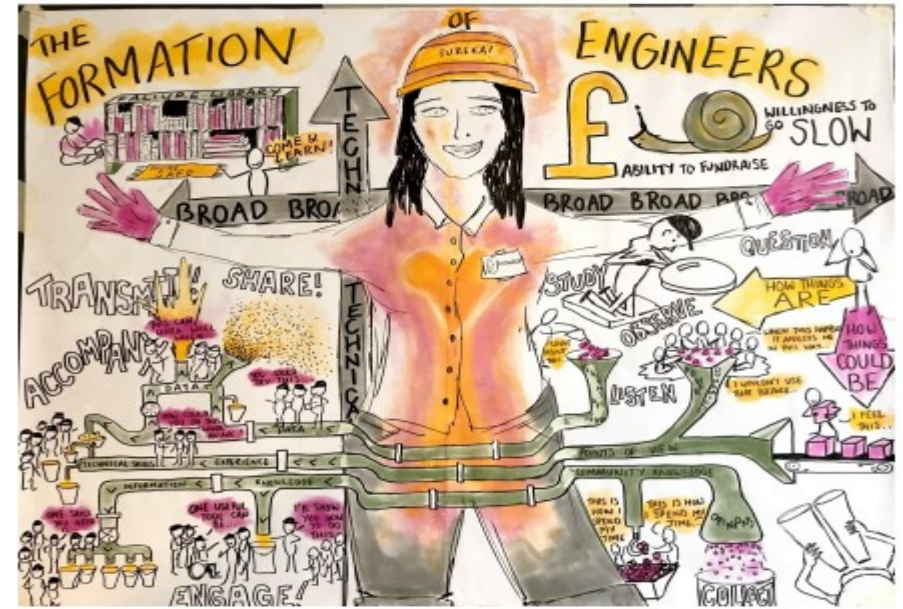
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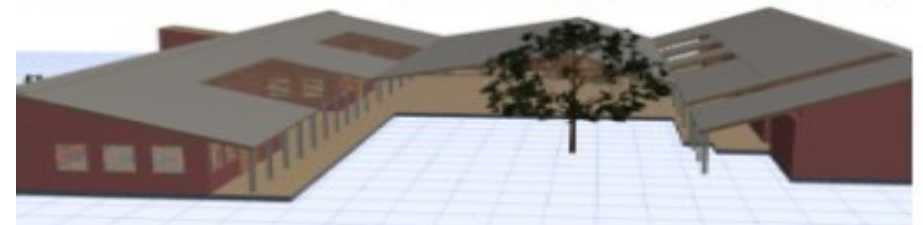
**Join a project and be part of a solution !**

## Past projects and events

1. Conceptual and architectural design of nursery house and daycare centre for children at the age of 1 to 6 in Tanzania
2. Two Internship projects are completed by students of Metropolia and Haaga helia on food waste analysis in Finland and conceptual planning and designing on grey water recycling system.
3. E-FLUSH (Environmentally Friendly Urban Sanitation and Hygiene) related to recycling of waste water and biogas generation feasibility study for Zambia
4. EWB International global conference in London with a theme "Formation of Engineers" . A report was developed to work further.
5. Slush side event
6. Workshop on Europe Climate change



*Image 9: The formation of engineers*



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# Past projects and events

7. Seminar on Dry Toilet project by Finnish Dry Toilet Association representative

8. Covid-19 Survival integrated Kits in India for front line workers (3D Face Shields, Face Masks Ear strain reliever, Spray Cap sanitizers, Hand gloves, Covid -19 Guidelines)

9. Participated in World disaster management in India and plan to form a center of disaster response center of India and extension to neighbourhood countries near future





# Upcoming Projects and Events

1. "Use your strengths" mobility project together with Lithuania , Latvia and Sweden partners
2. EWB EU Forum in Brussels by EWB Belgium
3. EWB Club formations
4. STEM without borders educational project initiated by EWB Norway
5. EWB – USA Global post disaster response programs
6. EWB SDG virtual and offline hackathon
7. School construction project in Tanzania
8. Clean drinking water in Uganda

**Several other projects support request from Africa and India**



**BRUSSELS, 8/9/10 MAY 2020**

**FIRST EUROPEAN  
FORUM OF  
“ENGINEERS  
WITHOUT BORDERS”**



**INVITATION FROM  
THE BELGIAN  
“ENGINEERS  
WITHOUT BORDERS”**  
europeanforum@isf-iai.be

Friday 8/5/2020  
Saturday 9/5/2020



# Let us look into UN SDG Progress



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Our Government aims for an 'inclusive and competent Finland – a socially, economically and ecologically sustainable society' with a cross-cutting theme is that **no one will be left behind** in Finland and developing world.

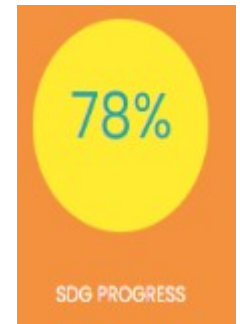
We need to focus & act on gender inequality, climate actions, digitalization and future skill for students, elderly, professional and jobseekers.

Now the achievement of many of the SDGs realizations has been hampered by the COVID-19 pandemic in Finland and worldwide.

Finland is also committed to tackle SDGs Global responsibility to achieve the SDGs in developing countries, which are possible by creating more private businesses, technology & innovation, businesses and community participation.

Overview of SDG progress in Finland :

We need to raise awareness about the role of engineers to achieve SDG 17 goals





# Engineering, Engineers and SDGs



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Wherever there is a problem, there is a need for engineering solutions. Our interconnected society always look for engineers, social thinkers, entrepreneurs to fulfill the need of appropriate technological innovation integration and commercial applications

The 2030 Agenda for Sustainable Development is a blueprint for 17 SDGs actions, and engineers are expected to innovate & deliver the sustainability projects for the benefit of all.

Therefore, We need more engineering solutions and skills to

- to design and develop products, processes and systems
- to formulate judgments considering relevant scientific, societal, environmental and ethical aspects

The mission of an engineer is to create and operate products and systems that improve safety and quality of life for growing population using minimum of resources.

Engineering is all about the sharing knowledge, practice of solving problems and major driver for sustainable sociology-economic development for people, society and countries.

Everyone need to take active and leading roles in solving the challenges faced by population and support " transformation to a sustainable society "

**We all need to work together to ensure that the standards of engineering education must address the 17 SDGs, and more young people including girls must participate in solving the engineering needs for everyone.**

**You can make an impact together with EWB**

# How to join & get involved with EWB ?



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Become a member

Share your skill and time

Join a project or submit a project proposal

Join EWB board

Open a student & professional clubs

Organise an event & Fundraise for us

Make a donation

Spread our works

Write a blog

Project management

And many more activities...

## MEMBER PROMOTION

### TEAM (MPT)

MEMBER PROMOTION EVENTS  
MEMBER WELFARE & COORDINATION  
MEMBER WORKSHOPS

## BUSINESS PROMOTION

### TEAM (BPT)

SPONSORS & PARTNERS/FUNDRAISING  
BUSINESS INTELLIGENCE  
PROJECT STEERING/COORDINATION

## PROJECT CONCEPT TEAM

### (PCT)

PROJECT CONCEPT/EXECUTION  
COMPETITION ENTRIES

Attend our meeting

EWB Info day

EWB Board meeting

Annual general meeting

Project internal meeting

***Become a member and support us to grow further !***





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**Be a changemaker**