



2023 Annual Report

Engineers Without Borders, The Netherlands

Stichting Ingenieurs Zonder Grenzen



**ENGINEERS
WITHOUT
BORDERS · NL**

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A message from the chair

Dear Members,

As we reflect on the accomplishments of 2023, I am pleased to share that it has been a year of significant growth and impact for EWB-NL. While we celebrated the successful completion of several projects, we also embarked on new initiatives in collaboration with our valued local partners. These collaborations are the cornerstone of our mission, and we are proud of the strong relationships we have cultivated.



The success of 2023 is a testament to the dedication and passion of our volunteers. Their tireless efforts, time, and expertise have been invaluable in driving our progress. Their commitment is a source of inspiration, and we are deeply grateful for their contributions.

As we look ahead to 2024, we are energized by the opportunity to build upon this momentum. Our focus will remain on fostering strong partnerships with local communities, undertaking impactful projects, and building a robust network of skilled professionals. With the continued dedication of our volunteers and the unwavering support of our partners, we are confident that we can achieve even greater success in the year ahead.

Thank you for your continued support and for being a part of the EWB-NL journey.

Sincerely,

Sven Spierings
Chairman, EWB-NL

Our vision

Social organizations in low-resource settings who are **empowered to improve wellbeing** through sustainable solutions, with our support, in alignment with the SDGs.

Our mission

To increase **quality of life for communities** in low-resource settings through **sustainable technical interventions.**

About EWB-NL

We believe in the power of local entrepreneurs and leaders – those with passion, dreams, and ideas for improving their lives and their communities.

We empower these individuals by promoting, teaching, and implementing sustainable technical solutions that can be successfully adopted by local companies, entrepreneurs, and initiative-takers.

All our projects are based on local requests and include a business/social model, ensuring long-term, sustainable impact and local ownership.

By participating in our projects, volunteers (mainly engineers) develop valuable non-technical skills that they can apply in their professional work. These include: bridging cultural differences during projects, understanding local stakeholders and managing expectations, creating social impact, understanding institutional models, and experiencing the challenges of entrepreneurship in low-resource settings.

By joining our organization, volunteers not only contribute to meaningful change but also gain valuable skills and experiences that will enrich their professional journey.



How we do it

EWB-NL combines engineering expertise from five portfolios, each of which contributes to a specific UN-SDG. The engineers from these portfolios are brought together in multidisciplinary project teams. They are supported by our (local) partners and benefactors who provide engineering and/or financial support. Our strategic and advisory boards, senior experts and ops teams provide the project teams with structure, resources and guidance.

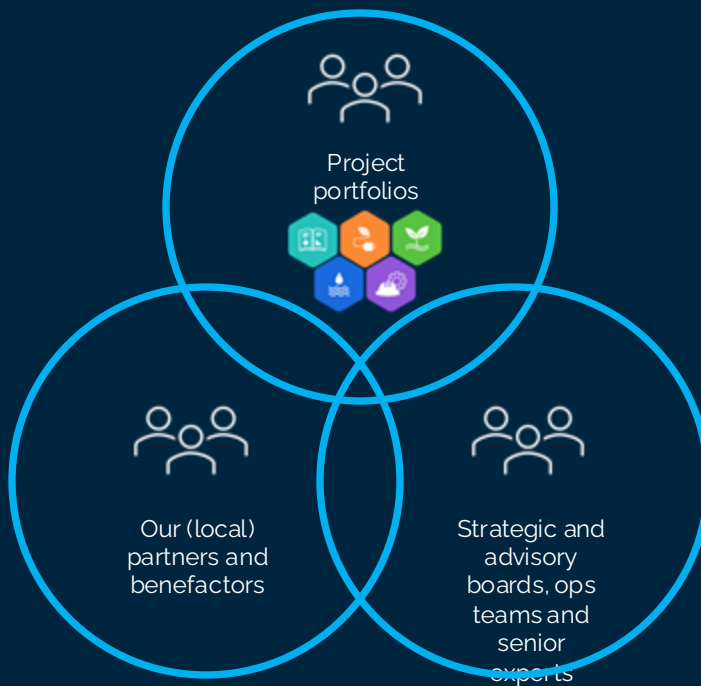


**Our volunteers donate
their technical
expertise and work in
multidisciplinary teams**



**Together with our
partners we develop a
strong business/ social
model**

Our organization



Our numbers

60+

ACTIVE VOLUNTEERS

18+

PARTNERS

100+

**FRIENDS/
BENEFACTORS**

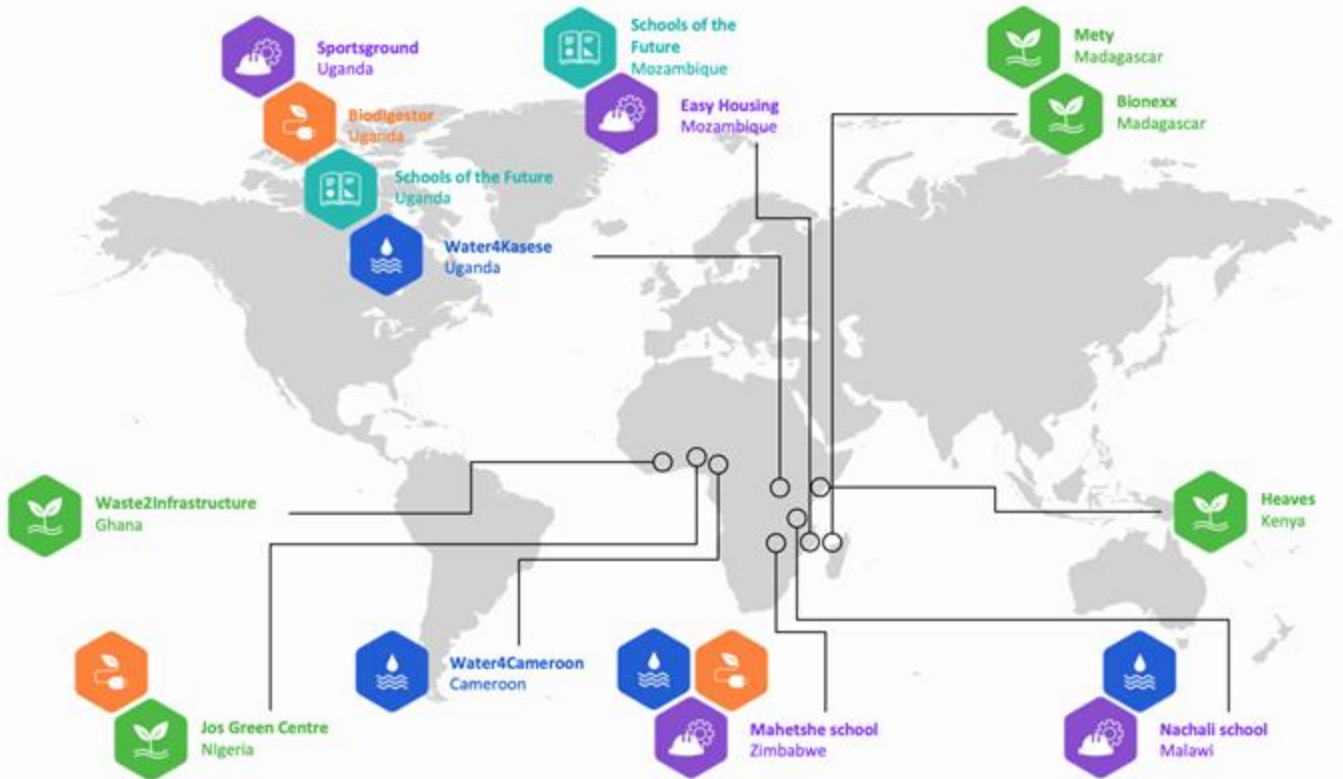
4.000+

SOCIAL MEDIA FOLLOWERS

Project highlights

For more information about our
projects, please visit:
www.ewbnl.org/projects

Project Locations



Turning Waste into Opportunity: Waste-to-Infrastructure in Kumasi, Ghana



This project implemented in partnership with local stakeholders, demonstrates how EWB-NL empowers communities to address pressing challenges. By **transforming plastic waste into valuable resources**, we're contributing to a more sustainable future in Kumasi, Ghana. The project not only improves waste management but also generates **economic opportunities** through the creation of **infrastructure**, benefiting the local community and contributing to a cleaner environment.

Modular washrooms: A Flexible Solution that can be Implemented Everywhere



EWB-NL is committed to providing innovative solutions for sustainable development. Our Modular Washroom system exemplifies this commitment, offering a **clean and dignified sanitation** solution for communities in need. This portable, self-contained unit is easily assembled and **adaptable** to various environments, ensuring access to essential sanitation facilities even in remote or challenging locations.

Water4Kasese: Addressing the Water Crisis in Remote Regions of Uganda



In Kasese Uganda communities struggle with limited clean water, outdated infrastructure, and a lack of WASH knowledge. Our team visited in August 2022 to assess needs and develop **sustainable solutions**. We are installing **water tanks**, promoting local **water management**, and fostering **ownership** of WASH facilities, including soap production. Phase I of the project, supported by Flow Traders Foundation, began in February 2023. We are working to address this critical water crisis in the context of the ongoing Ebola outbreak.

Jos Green Centre: Tackling Plastic Waste in Jos, Nigeria



Our JGC Plastic Recycling Facility in Nigeria aims to **recycle** 30 million kg of PET waste annually, creating 100 jobs and promoting a **circular economy**. We've completed the conceptual phase and are finalists in the Ideas -2-Reality competition, organized by Stamicarbon. Phase 2 will depend on project fit and the success of the competition. We are exploring a site visit and strengthening the **business model**, sharing lessons learned from Phase 1.

Empowering Communities: The KCDO Biodigester Initiative



The Kyamaganda Community Development Organization (KCDO), with Engineers Without Borders Netherlands, launched a **biodigester** project in February 2023 to enhance **sustainability** in Uganda's Lwengo District. The project aims to provide **clean cooking energy**, produce **bio-fertilizer** to improve **agricultural productivity**, and ensure **safe drinking water** for students. Progress includes water piping at the secondary school, site feasibility analyses, and **stakeholder engagement** through workshops and discussions. This initiative fosters local development and addresses climate change impacts.

Our board



Sven Spierings
Chair



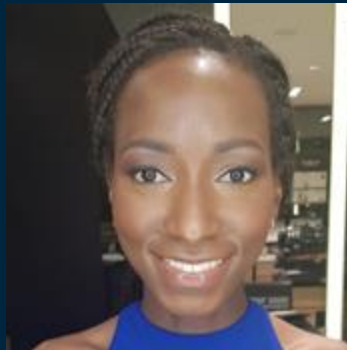
Wessel Wikkerink
Treasurer



Irina Sleikina
Projects and Portfolios



Agata Malinowska
Project Impact Officer



Wacera Mwangi
Human Resources
Officer

Our partners – we thank you!

ARUP

FLOW
TRADERS
FOUNDATION



JOS
GREEN
centre
BROKEN THINGS MADE WHOLE



TRASH
S M A R T



easyhousing

TU/e Technische Universiteit
Eindhoven
University of Technology
Where innovation starts

TWD
Method Engineering & Equipment Design

GREAT
THE PLASTIC
BAKE OFF



cic

EcoBrixx
Building Zero Waste Communities



RUDEC
Rural Development Centre

pro
bono
connect

benevity™

MASAKHANENI
PROJECTS TRUST

Please donate:



Contact us: board@ewbnl.org

www.ewbnl.org