

GLOBAL BEST PRACTICE PROGRAMME GUIDE

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EXPO 2020 DUBAI

TABLE OF CONTENTS

Foreword by Nadia Verjee 2

The Global Best Practice Programme 3

Theme 1: Inclusive and sustainable service delivery 5

Evidence Action 5

Barefoot College International and Hogan Lovells 7

HELIOZ 9

Instituto Perene 11

Jangala 13

Medic 15

Sanergy 17

Sustainable Organic Integrated Livelihoods (SOIL) 19

United Nations Children's Fund (UNICEF) 21

Theme 2: Livelihoods and enterprise development 23

Asian Development Bank 25

Barefoot College International 27

Cooperativa de Exportação de Cacau de Qualidade (CECAQ-11) 29

Empower 31

Esoko 33

Hola<Code/> 35

Sustainable Growers 37

The Mountain Partnership and Food and Agriculture Organization of the United Nations (FAO) 39

UN Women 41

Theme 3: Resilient habitats 43

Carbon Tanzania 45

Doh Eain (Our Home) 47

Food and Agriculture Organization of the United Nations (FAO) 49

Land Life Company 51

Planet Indonesia 53

Seacology 55

Tamil Resources Conservation Trust 57

The Buoyant Foundation Project at the University of Waterloo 59

UN-Habitat 61

Theme 4: Social development 63

Alef Education 65

ayzh 67

Laboratoria 69

Sightsavers 71

Telefónica Foundation and "la Caixa" Foundation 73

The Carter Center 75

The Citizens Foundation 77

United Nations Development Programme (UNDP) 79

WaterAid Nepal 81

Theme 5: Water, food, and energy security 83

Bangladesh Environment and Development Society (BEDS) 85

Edible Garden City 87

FUNDECOR 89

Petroleum Development Oman and BAUER Resources 91

UpTrade 93

SafetyNet Technologies 95

Seychelles Conservation and Climate Adaptation Trust (SeyCCAT) 97

World Food Programme 99

Ya'axché Conservation Trust 101

Theme 6: COVID-19 solutions 103

Fútbol Más 105

Lopos 107

Project Maji 109

reach52 111

SitatByoot 113














Foreword by Nadia Verjee



Nadia Verjee
Chief of Staff and Programme for People and Planet
Expo 2020 Dubai

The Sustainable Development Goals (SDGs) have tasked humanity with a mission - creating a world where everyone can live with dignity and in harmony with each other. The pathway to fulfil this mission is not without barriers. While the COVID-19 pandemic undid progress made towards the Global Goals, it was also a reminder that our fate is interlinked, and our efforts must be united and collaborative. Confronted with what seemed like insurmountable odds, individuals and communities across the world demonstrated exceptional courage and resilience and rose to the challenge.

The United Arab Emirates' National Development Plan is well-aligned with the SDG framework to provide a roadmap for global prosperity. In this respect, the UAE National Committee on SDGs has implemented innovative initiatives through national and international partnerships. We are committed to delivering success through a whole-of-society approach and support the global community in doing so.

The Decade of Action from 2020 to 2030 calls for accelerating sustainable solutions to some of the world's biggest challenges. Channelling UAE's mission and the United Nations' call to action, Expo 2020 Dubai envisioned a global platform to shine a light on impactful interventions that are providing tangible solutions and have a proven positive impact. With this intention, the Expo 2020 Dubai Global Best Practice Programme's jury selected 50 solutions from diverse geographies that hold immense potential to bring about transformational change.

One of the many driving motivations behind Expo 2020 Dubai's Programme for People and Planet was the realisation that achieving the SDGs will require countries, organisations, communities, and individuals to work together. Successful efforts to implement solutions, at the scale required of us in this Decade of Action, are dependent on recognising that we cannot do it alone. The Global Best Practice Programme was designed to foster a global community of changemakers in an attempt to build bridges that can lead to meaningful collaboration and intentional partnerships.

This collection of profiles is driven by Expo 2020 Dubai's intention to capture stories of the coming together of people, communities, and resources to fight global challenges that often seem insurmountable. The 17 Global Goals provide a common agenda and map for governments, businesses, non-profits, communities, and individuals to co-create a future that is more equal, prosperous, just, and dignified for all. I hope that the Global Best Practice Programme and this Guide, as part of its legacy, inspire a resolve to leave no stone unturned.

Each of us has an active role to play, and we need all hands and minds on deck to realise these Goals. As innovators who see opportunities where others see problems, your role has been to showcase possibilities. As changemakers that do not wait for the right conditions to appear but work with communities and existing resources to implement and take action, the next step will be to harness the power of new networks to amplify impact. If you are on a journey to ensure sustainable prosperity for all, you will find the UAE standing with you.

Expo 2020 Dubai's Global Best Practice Programme

The Sustainable Development Goals (SDGs) are our global blueprint for a better world, and a statement of our collective ambition for dignified and equal opportunities for all. Expo 2020 Dubai is an unparalleled opportunity to mobilise citizens around the Global Goals.

The Global Best Practice Programme – Small Steps Big Leaps: Solutions for Sustainable Impact – is Expo 2020's platform to showcase simple yet impactful interventions localising the SDGs through projects that have provided tangible solutions to the world's biggest challenges. The Programme highlights the importance of bringing together creative minds to develop innovative solutions and is an integral part of Expo 2020 Dubai's commitment to encourage positive change through cooperation and knowledge sharing.

In 2010 the Bureau International des Expositions (BIE) instituted a mandate for all hosts, the idea of a Best Practice Area (BPA) – a platform to showcase tangible solutions to the world's greatest challenges. Following its success, there has been a BPA at every Expo since Shanghai 2010.

Expo 2020 Dubai's Best Practice Area Programme was conceived in March 2018. An international jury was put together in September 2018. From December 2018 – June 2019, Expo 2020 Dubai's Global Best Practice Programme, 'Small Steps, Big Leaps: Simple Solutions for Sustainable Impact', ran an international call for proposals with the aim of recognising and enhancing the visibility of impactful and integrated development practices at Expo 2020.

The call for proposal asked for simple, tangible, and successful solutions and initiatives that have been collaboratively implemented by individuals, communities or agencies. Best practices were also selected based on how they addressed integrated development challenges, highlighting the interconnected nature of interventions and their ripple effects. Selected interventions also had to have the capacity to be adapted or replicated to scale globally for sustainable impact.

Over 1,175 proposals were received from from 141 countries from which 25 projects were selected by a jury comprising of international development organisations from across the world, and final recommendations from the Programme Co-chairs. In addition, the programme handpicked 20 Untold Stories from around the world, which spotlighted community initiatives and stories of impactful solutions for people and the planet.

Submissions were selected under five themes:



Inclusive and sustainable service delivery:
A reliable service provision in urban and rural areas, as well as in fluid environments such as informal, nomadic, post-disaster, emergency, and refugee settlements.



Livelihoods and enterprise development:
Promoting alternative employment and income opportunities, women in the workplace, competitive products and services, and improved market access.



Social development:
Reliable, affordable, and appropriate healthcare and education systems and delivery.



Resilient habitats:
Better protecting human, economic and natural assets in urban, rural, and fluid environments.



Water, food, and energy security:
Smarter consumption and resource management to better meet increasing water, food, and energy requirements for a growing global population.

COVID-19 solutions

This edition aimed at recognising and promoting visibility of integrated development best practices for a better 2030 with a particular view on building back better and moving towards a "better normal" as the world recovers from the COVID-19 pandemic. COVID-19 solutions were selected across five themes - digitalisation, education and skills development, health and wellbeing, protecting livelihoods and water, sanitation and hygiene (WASH).

1,175 proposals received

141 countries represented

5 COVID-19 solutions

25 projects selected via global call

20 untold stories











Inclusive and sustainable service delivery

A reliable service provision in urban and rural areas, as well as in fluid enviornments such as informal, nomadic, post disaster, emergency, and refugee settlements.

Evidence Action

Barefoot College International and Hogan Lovells

Helioz

Instituto Perene

Jangala

Medic

Sanergy

SOIL

UNICEF











Evidence Action

Dispensers for Safe Water Programme

Kenya, Uganda, and Malawi

OUR IDEA

There are nearly 1.7 billion cases of childhood diarrhoeal disease every year globally. These diseases are the world's second-leading cause of child mortality, claiming the lives of nearly 525,000 children under five each year. Evidence shows that most of these deaths can be prevented through safe water, sanitation, and hygiene. Underpinned by Nobel Prize-winning research, Dispensers for Safe Water is an evidence-based, cost-effective solution that provides for over 4 million people in rural Kenya, Uganda, and Malawi with free and reliable access to safe water for less than $1.50 per person, per year. Evidence Action's uniquely-engineered chlorine dispensers enable people to treat their water by chlorination, a World Health Organization (WHO)-endorsed approach which is widely used in treatment plants around the world, and provides residual protection for up to three days, preventing recontamination.

OUR APPROACH

Dispensers for Safe Water is not a one-time hardware installation; the focus is on sustainable service delivery. Leveraging human-centric design principles and insights from behavioural economics, dispensers are designed to be convenient and salient. The intervention adoption rates dramatically exceed those of chlorine promoted through other approaches such as coupons, information provision, and behavioural marketing.

Chlorine dispensers are installed right next to the water source making it easy for communities to remember to use them. This enables community members to build safe water practices into their current routines and water is treated during their walk home requiring little-to-no time between the treatment and use of water. The chlorine is provided at no cost ensuring accessibility for those that need it most.

Before a dispenser is installed, the communities, including local leaders, are engaged to secure their buy-in. Communities also appoint a "promoter" - a trusted individual who communicates with the organisation when chlorine refills are needed, or dispensers need fixing. Promoters also train and encourage community members to use the dispenser. This integrated community engagement allows for an efficient last-mile distribution network.

Since becoming a part of the Global Best Practice Programme, Dispensers for Safe Water has maintained over 28,000 chlorine dispensers providing safe water access to over 4 million people. To double the programme's reach, Dispensers for Safe Water is planning to expand the programme in rural Malawi and Uganda, providing millions more people with access to safe water and improving the lives of young children and families.

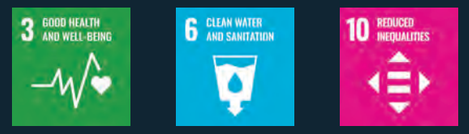




"This dispenser has been helpful. Before this, we used to have so many problems. Every other day children were getting sick; one day it was typhoid, another day it would be diarrhoea. They were not able to study well at all because they were always going home. Then this dispenser came and I can say we are well, we feel well."

- Betty Nangeso,
Kenyan beneficiary and community volunteer

OUR SDGs







IMPACT IN NUMBERS

4M

4 million people received free and reliable access to safe water, for less than $1.50 per person, per year

3M

3 million cases of diarrhoea and nearly 2.5K deaths among children under five were prevented, between 2016-2020

30%

30% reduction in under five mortality is achieved through water treatment, as per a forthcoming meta-analysis by Nobel Laureate Michael Kremer

OUR EXPO 2020 EXPERIENCE

"Seeing our bright blue dispenser and programme photos on display at the Global Best Practice Programme Assembly at Expo 2020 Dubai during Global Goals Week provided a moment of pride and accomplishment after years of hard work by our teams in Kenya, Uganda and Malawi. We are so proud to have been chosen as part of the Global Best Practice Programme, and are eager to scale the project further to provide even more people with access to safe water."

Barefoot College International and Hogan Lovells

20,000 Suns (Solar Mamas)

India

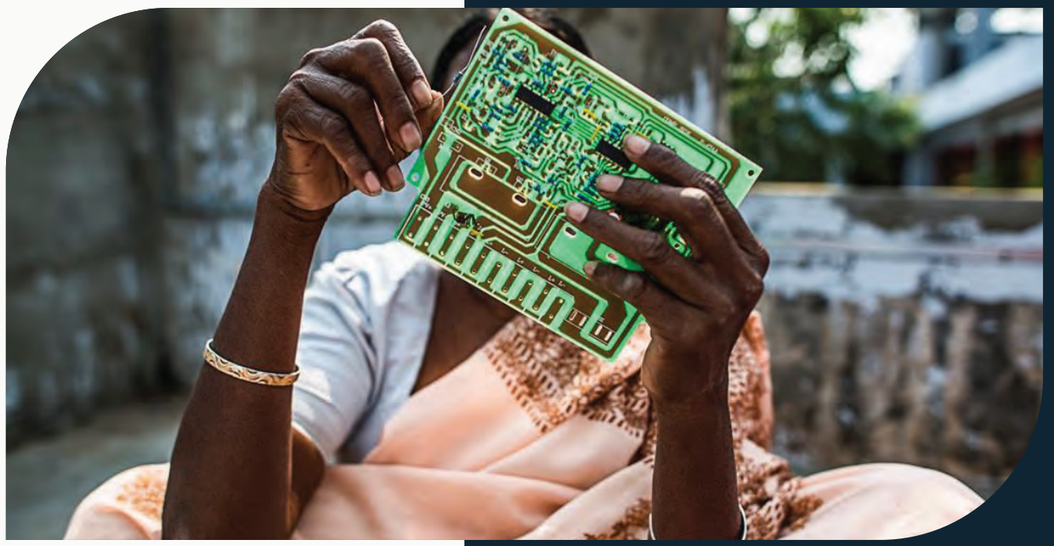
OUR IDEA

Solving various development challenges requires partnerships between multiple actors on the value chain in all sectors. 20,000 Suns, a project between Barefoot College International, and Hogan Lovells aims to address two key challenges: the underutilisation of rural women in promoting sustainable development, and the limitations of traditional partnership models. Often partnerships between private sector businesses and NGOs perpetuate top-down approaches and limit innovation, failing to meet the needs or including the voices of those on the ground. This project provides a new and replicable model of partnership that creates shared value for all stakeholders. Barefoot College International, and Hogan Lovells have placed rural women at the centre of this project, intending to equip them with tools to provide off-grid, renewable energy to their villages. Through this, the project aims to both elevate the profile of women within their communities and encourage the use of clean energy sources in rural areas.

OUR APPROACH

Barefoot College International and Hogan Lovells are helping achieve 10 of the 17 SDGs through a combination of pro-bono legal advice, financial support, educational workshops, and strategic communications. Over the course of a three-year partnership, Barefoot College International and Hogan Lovells worked to improve lives by training women in last mile communities in 35 countries to become solar engineers – known as solar mamas - and bring light to 230,000+ people.

$500,000 was fundraised globally in donations from clients, providing pro-bono advice to open new solar training centres in Burkina Faso, Madagascar, Senegal, and Fiji, educating 2,250 school children in 16 countries about Barefoot College International and the SDGs and producing 'Flip the Switch – A Documentary', a 30-minute film about the partnership, which was officially selected for 21 film festivals worldwide. Hogan Lovells continues to support Barefoot College International as these programmes continue to expand around the world.



"Becoming a Solar Mama has opened up my life to opportunity in a way I did not think was possible. It has given me what I need to support myself and my family, and it has given me hope that change is possible even in a single generation. I have so much hope for the future"

- Mama Fatma,
Solar Engineer and Master Trainer, Zanzibar



OUR SDGs







IMPACT IN NUMBERS

$500K

$500K raised in donations

230K+

230K+ people in the low-middle income countries received access to light

474

474 women from 35 countries were trained as solar mamas

OUR EXPO 2020 EXPERIENCE

"It has been an incredible honour and delight to have the opportunity to share what we do with like-minded individuals from around the world through the programme. A key part of our success has been using, spreading, and learning from innovative methods for change, and Expo has been an amazing opportunity to do just that. We hope that the example of what we have been able to do together resonates with other global businesses and encourages them to build the same innovative partnerships that we have together. We are grateful for the opportunity and experience and hope to use everything we have learnt to continue improving the work we can offer to our beneficiaries, now and in the future."

HELIOZ

WADI Solar Powered-UV Measurement for Water Filtration

Austria

OUR IDEA

In India, 140,000 children die every year due to diarrhoea alone. This is caused by a lack of access to safe drinking water sources. In rural communities in Asia and Africa people still depend on limited, microbiologically contaminated water sources to satisfy their basic needs. Unfortunately, the most common method of water disinfection, boiling the water with firewood, results in high Co2 emissions – directly affecting the environment. HELIOZ is a social enterprise that implements climate projects in the global south addressing both these problems. With its innovations "WADI" and Solar Water Disinfection, HELIOZ enables rural communities to disinfect contaminated water using the power of the sun instead of burning firewood. WADI is endorsed by the World Health Organization (WHO) as it meets microbiological performance criteria and provides targeted protection by removing 99.99% of common harmful viruses, bacteria, and protozoa, making water safe to drink.

OUR APPROACH

HELIOZ follows a holistic project approach. All HELIOZ projects are built on 3 core principles.

Water for all: WADI is a solar-powered UV measuring device that visualises the process of solar water disinfection. WADI is placed next to bottles that are filled with contaminated water and exposed to the sun. Once the process is completed, a smiley face on the WADI confirms that the water is safe to drink.

Sustainable project design: HELIOZ has an established network of local implementation partners. In accordance with the "train the trainer" concept, community workers are trained to create sustainability, further adding value to the regions.

Long-lasting impact: The systematic change of water treatment at a household level prevents water-borne diseases, leading to a reduction in health expenditure per family. We work towards improving health and well-being for children and young adults by sensitising communities and supporting long-term behavioural change.

OUR PARTNERS

- Caritas India
- Centre for Disability in Development (CDD)
- Welthungerhilfe
- Christian Blind Mission (CBM)

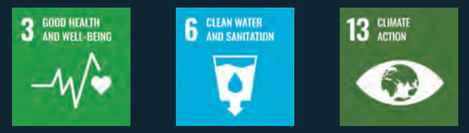


"As a woman leader, I am so excited to be part and a beneficiary of this new project in Buhemba Sub County. For so long, women have been burdened when it comes to finding firewood for general cooking activities and boiling drinking water."

- Auma Patricia,
Women Association Leader Bukewa East Village, Buhemba Sub County, Uganda



OUR SDGs







IMPACT IN NUMBERS

121M — 121 million litres of water disinfected

39K — 39K tonnes of CO2 saved

1.7 — 1.7 tonnes of firewood saved per household per year

OUR EXPO 2020 EXPERIENCE

"Expo 2020 Dubai was a special experience. It was a very proud moment for HELIOZ not just to be chosen to be a part of the Global Best Practice Programme and see our solution for safe drinking water on display, but also to connect with like-minded entrepreneurs who want to contribute to making this world a better place. Since becoming a part of the Global Best Practice Programme HELIOZ could use its technology to start a larger climate programme bringing its safe water technology to 250,000 additional beneficiaries in India. This programme aims to provide safe drinking water to as many people as possible in India and Bangladesh, furthering its global impact."

Instituto Perene

Carbon Funding for Widespread Adoption of Improved Cookstoves

Brazil

OUR IDEA

Data from the World Health Organization (WHO) shows that approximately 3 billion people still rely on firewood and other forms of biomass for cooking. In rural Brazil specifically, this number is estimated to be 8 million due to barriers such as income. Numerous Brazilian households cannot access clean cooking, making them susceptible to health challenges associated with indoor pollution. Women and children are primarily affected, since they are close to the fire and the collection of biomass. The inefficient use of firewood also has negative consequences for forest ecosystems and leads to an increase in the emission of greenhouse gases. Instituto Perene delivers an improved biomass stove model free of cost to thousands of homes in three states across Brazil, offering sponsors and partners with tangible results linked to the SDGs. All families receive training in maintaining and repairing their equipment, and stove use is monitored for 10 years.

OUR APPROACH

Instituto Perene builds a bridge between companies aiming at creating impact on SDGs and families looking for a cleaner option to cook in open fires. Instituto Perene links engineering with social science to provide not only new, cleaner equipment for cooking, but also strong partnerships with local associations and health professionals. Instituto Perene leaves a legacy of ecoefficiency as every location provides brick-layers to the projects and the technology is transferred to the community.

Benefits of the improved biomass stove include cleaner indoor air, safer kitchens, and less time spent on collecting fuel. Less tangible but equally important is that owners of improved cookstoves display a new-found pride in their homes and in themselves. Rural women report improved self-esteem and status, relative to urban folk, as they too become free of the stigma and discomfort of clothes, hair, and skin that smells of smoke. Local forests and the global climate benefit too, as the improved cookstoves reduce wood use and greenhouse gas emissions by half. The reduction of biomass use also lowers the negative impact on local natural and forested areas, usually characterised by rich biodiversity.

OUR PARTNERS

- CAIXA
- Petrobras
- Natura & Co
- Moody's Foundation





"One of the things that I liked the most about the project is that it also reduces deforestation once the stove allows cooking with very little wood. I'm thankful that Instituto Perene is reaching folks usually in the margin of projects and benefits."

- Mrs. Mara Cruz,
57-year-old, Local Association Leader

OUR SDGs





IMPACT IN NUMBERS

15K+

15K+ households have received our improved cookstove

150K

150K tonnes of verified emissions reductions (VERs) of carbon to be delivered by 2022

500

500 rural communities have benefitted from the 'Stoves Eficientes' initiative in Bahia.



Jangala

Big Box

United Kingdom

OUR IDEA

The connectivity landscape for charities, schools and healthcare clinics is fractured. Even within a single country, region, or district, the types of connectivity available might vary; some groups may be covered by fast 4G or 5G networks, some may have access to fixed line connections or even fibre optic networks whereas others may only be reachable via satellite. A key challenge is deploying meaningful connectivity quickly without awaiting network infrastructure upgrades that might be delayed or never arrive, especially in the low-income rural and remote areas that most need connectivity. By providing reliable and scalable Wi-Fi through its innovation 'Big Box', Jangala presents a low-cost solution to providing some of the most underprivileged members of the global community with access to the internet.

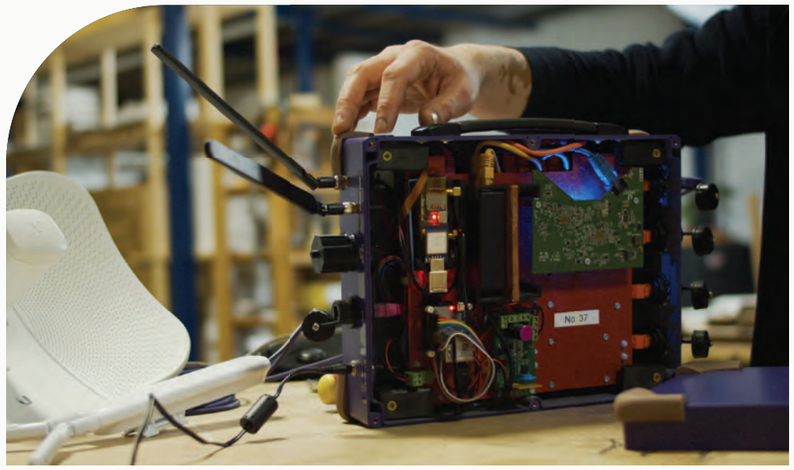
OUR APPROACH

Jangala's technology simplifies the complexity of delivering internet access. Jangala's Big Box can combine multiple sources of internet - including mobile networks, satellite constellations, and point-to-point wireless connections - into effective Wi-Fi that can easily cover thousands of users. Jangala hardware can easily be deployed by non-technical teams. The supporting cloud platform is being built to provide a user-friendly way of managing thousands of projects and gathering detailed but privacy-respecting usage statistics.

Using this technology and partnership approach, Jangala has connected over 60 projects and 40,000 users across 5 continents, through schools, healthcare clinics, refugee support groups, and community resilience projects.

OUR PARTNERS

- The Lenovo Foundation
- Arm
- Cisco
- CHK Charities
- Tedworth
- BT Group
- United Nations Children's Fund (UNICEF)
- War Child
- United Nations High Commissioner for Refugees (UNHCR)
- Care4Calais
- Amala
- International Organization for Migration (IOM)
- The Access Project





"Quality internet will enhance our communication that will increase efficiency, effectiveness and timeliness of our support to the community people. They will get a better service."

- Project Manager
PHASE Nepal Healthcare Clinics

OUR SDGs

4 QUALITY EDUCATION

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

17 PARTNERSHIPS FOR THE GOALS

IMPACT IN NUMBERS

40K+

40K+ people connected using our technology

60+

60+ projects equipped with Wi-Fi for their staff and the people they support

20

20 Big Box systems have been deployed across 4 continents.





OUR EXPO 2020 EXPERIENCE

"Being part of the Global Best Practice Programme was an incredible experience for Jangala and could not have come at a more opportune moment as we establish our potential on a global stage. As well as introducing us to new international partners, funders, and other inspiring actors in the space, the experience has also increased our credibility, and inspired the team and our wider network with even more energy ahead of our exciting growth plans."

Medic

Community Health Toolkit

Kenya, Uganda, and Malawi

OUR IDEA

The way current health systems are designed exclude certain groups of people. According to the World Health Organization (WHO), half the world's population cannot obtain essential health services, with providers and facilities either inaccessible, unaffordable, or under-resourced. Digital health has emerged as a powerful opportunity to strengthen health systems, particularly in low-resource settings. As technical stewards of the Community Health Toolkit, Medic aims to revolutionise digital health by building free, open-source technology, open-access resources, and a 'community of practice' on a pathway to precision global health and universal health coverage. Medic supports health workers as they deliver care in reimagined health systems – where care begins at home, services are delivered through proactive visits, and health workers are supported with world-class digital tools and resources.

OUR APPROACH

Decades of research demonstrate that community health workers have immense potential to improve health outcomes in underserved communities. However, with inadequate training, equipment, and supervision, they may have little or no impact at all. Digital health tools can remove these roadblocks, empower frontline health workers, and strengthen health systems, but few interventions have achieved scale and sustained impact, resulting in a highly fragmented digital health landscape. Medic designs, deploys, and supports world-class, open-source software to support health workers as they deliver quality, timely, and equitable care. As stewards of the Community Health Toolkit (CHT), their focus is to build and support the CHT as a global public good; partner with Ministries of Health, NGOs, and technical organisations to design, deploy, and scale digital health apps powered by the CHT; and advance research and development for precision in global health.

OUR PARTNERS

- Ministries of Health in Kenya, Mali, Nepal, Niger, Uganda, and Tanzania
- Beehyv Software Solutions
- BRAC
- Clinton Health Access Initiative
- DataKind
- Digital Square at PATH
- D-Tree International
- Google.org
- Integrate Health
- International Care Ministries
- I-TECH
- Jhpiego Indonesia
- Living Goods
- Médecins San Frontiérs
- Muso
- Palladium
- Partners in Health
- Rockefeller Foundation
- Safari Doctors
- Triggerise
- United Nations Children's Fund (UNICEF)
- University of Washington
- Village Health Works



"Before the Medic training, I only knew how to receive incoming phone calls. Now, I can write the text, send a message, and call anybody. I am very happy with this tool because during the lockdown, I am able to call [patients] to inform them of the necessary service. I am really happy with this programme."

- Gita,
Female Community Health Worker,
Krishnapur Municipality



OUR SDGs







IMPACT IN NUMBERS

41K

41K frontline health workers supported with CHT apps across 16 countries

69.3M

69.3 million caring activities provided by health workers using CHT apps

6

6 national governments have adopted the CHT as a tool of choice for their national community health systems

OUR EXPO 2020 EXPERIENCE

"Since joining the Global Best Practice Programme in July 2020, we now support over 41,000 health workers with CHT apps – with more new users in 2021 than any prior year. Additionally, since 2020, Ministries of Health in Mali and Niger adopted the CHT as a tool of choice for their national community health systems.

It has been a privilege to showcase the open-source Community Health Toolkit (CHT) as part of the Expo 2020 Dubai's Global Best Practice Programme. The Programme's vision of spotlighting localised, human-centred, and mission-driven innovations resonated with us deeply. It is these innovations that have the potential to scale and solve the world's biggest health challenges, and we're grateful to be part of this movement of innovators working towards the SDGs and health equity for all!"

Sanergy

Catalysing Change

Kenya

OUR IDEA

Today, 25% of the global population lives in slums, this amounts to 1 billion people without adequate housing and limited access to basic services. In Kenya specifically, the lack of sanitation coverage costs the country 2% of its GDP due to the loss of productivity resulting from illness. At the current rate, it is estimated that Kenya will take 150 years to achieve complete sanitation coverage. In this context, the Kenyan government is facing enormous pressure to develop adequate sanitation and waste management services for those residing in informal settlements. Sanergy designs, builds, and distributes bold non-sewered services in low-income informal settlements via a full value chain model. Sanergy offers regular waste management services, ensuring that waste is safely removed from communities. This waste is then safely upcycled to clean renewable energy and valuable agricultural inputs, primarily organic fertiliser and insect-based animal protein meal, that is addressing food security challenges in Kenya.

OUR APPROACH

Sanergy is an industry leader providing city-wide non-sewered sanitation services as well as managing and upcycling organic waste – sanitation waste, agricultural waste, and market/kitchen waste - into valuable agricultural inputs. Sanergy has built a full value chain sanitation model, which designs, builds, and distributes dry container-based sanitation units called Fresh Life Toilets, and Fresh Fit in-home toilets to urban residents via a monthly subscription fee. On a regular basis, Sanergy safely removes and transports all waste generated to their processing plant for treatment and upcycling. The main end-products acquired include organic fertilisers manufactured through thermophilic composting, and insect-based animal protein meal through the rearing of Black Soldier Fly Larvae. Sanergy's solution is zero-waste and its circularity ensures it is sustainable and flexible for scale across all growing cities.





"My family and tenants have a safe 24/7 access to a toilet because it is built inside our compound. We do not have to go out in the dark in search of a toilet or use undignified methods to relieve ourselves. Also, as an entrepreneur this solution has helped my business, I no longer face high tenant turnover because hygiene at my plot is of high standards."

- Lucy Muthonit,
Landlord in Nairobi's City Cotton Informal Settlement

OUR PARTNERS

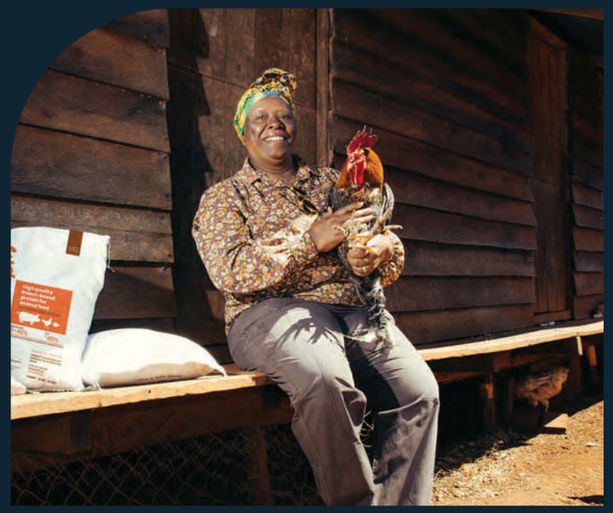
- United Nations Children's Fund (UNICEF)
- Agence Française de Développement (AFD)
- Kisumu Water and Sanitation Company (KIWASCO)
- Kenya Private Sector Alliance (KEPSA)

OUR SDGs

6 CLEAN WATER AND SANITATION

11 SUSTAINABLE CITIES AND COMMUNITIES

13 CLIMATE ACTION





IMPACT IN NUMBERS

4K+
4K+ active sanitation units built serving 150,000 urban residents every single day

40K
40K tonnes of waste safely removed in cities, annually

30%
30% increase in farmers' yields using Sanergy's agricultural inputs (organic fertiliser and insect-based protein)

OUR EXPO 2020 EXPERIENCE

"Being a part of the Global Best Practice Programme was a game changer for Sanergy. It served as an excellent opportunity to partner with cities and take our solution global. The time is now to build clean, green and sustainable cities that are liveable for the fast-growing population."

Sustainable Organic Integrated Livelihoods (SOIL)

The EkoLakay Programme

Haiti

OUR IDEA

It is estimated that only 34% of urban Haitians have access to improved sanitation facilities and less than 1% of all human waste is safely treated. The complete lack of safely managed sanitation in Haiti has fueled a virulent cholera epidemic in the country, affecting the health and wellbeing of millions. The absence of safe sanitation practices has also led to the degradation of the aquatic ecosystem, leading to a loss of biodiversity, extreme vulnerability to climate-related risks, reduced agricultural production, poverty, and malnutrition. Sustainable Organic Integrated Livelihoods' (SOIL) solution is designed to help tackle the Sustainable Development Goal for sanitation in urban environments in Haiti, and globally, through the development of a replicable model. SOIL provides full-cycle sanitation services from containment to reuse by taking a circular economy approach. This model reimagines waste as a resource, provides a life-saving service to underserved and vulnerable populations, and transforms a public health problem into an environmental solution.

OUR APPROACH

SOIL's sanitation social enterprise simultaneously addresses the interconnected crises of poor sanitation and environmental degradation by using an innovative solution based on ecological sanitation to affordably provide dignified household sanitation and waste treatment services in rapidly expanding urban areas. SOIL's service provides households with an in-home container-based toilet called 'EkoLakay' and weekly waste collection. 100% of the waste collected from households is safely transformed into agriculture-grade compost and used to help restore ecological nutrient cycles. This full value chain approach to sanitation returns nutrients to farmer's fields, supporting sustainable food production and reducing urban pollution.



"Because of EkoLakay I have my own toilet which I am so happy about. Without this alternative, I would have used my neighbour's toilet. The pit latrine I was using had an unpleasant smell and when it rained water would flood everywhere making it impossible to use. With EkoLakay, I don't have this kind of problem."

- Edeline La Fosse,
EkoLakay Customer / Beneficiary



OUR PARTNERS

- Grand Challenges Canada
- United States Agency for International Development - Development Innovation Ventures (USAID DIV)
- Ministère de la Santé Publique et de la Population (Haiti)
- Direction Nationale de l'Eau Potable et de l'Assainissement (DINEPA Haiti)
- Centers for Disease Control and Prevention (CDC)
- Ministère de l'Agriculture (Haiti)
- Cartier Philanthropy Vitol Foundation

OUR SDGs

6 CLEAN WATER AND SANITATION

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES





IMPACT IN NUMBERS

10K+

10K+ individuals provided with household sanitation in urban Haiti

500+

500+ metric tonnes of waste transformed into organic, nutrient rich compost through safe, ecological waste treatment, annually

65+

65+ dignified livelihood opportunities created by SOIL's service in the communities where they work

OUR EXPO 2020 EXPERIENCE

"Since joining the Global Best Practice Programme, SOIL's social solution has expanded to nearly double the number of households being served in northern Haiti. We have continued to implement operational efficiency measures to improve cost recovery and innovate opportunities to increase revenue generation through new waste-to-resource research and expanding our mobile toilet rental service for events.

Expo 2020 Dubai has provided SOIL with more visibility and a global platform to share the critical work SOIL is doing to provide equitable access to basic services. We have had numerous conversations with fellow innovators, sharing lessons learned and sparking new ideas, and established new connections with Haitian representatives at Expo."

UNICEF

Vaccines via Drone Delivery

Republic of Vanuatu

OUR IDEA

One billion people live in remote, rural areas more than two kilometres away from a paved road, where essential services are often unreliable, electricity and connectivity are erratic or non-existent, and medical supplies and health clinics are scarce. This poses grave challenges as transport efficiencies are critical to supply chain management, moving temperature sensitive cargo, and for enabling health workers to deliver quality and life-saving healthcare. To address this issue, UNICEF, the world's largest provider of vaccines, uses drones as a quick, reliable, and effective mode of transportation to deliver medical supplies to remote communities. Through its established drone corridors, UNICEF is able to transport supplies from distribution centres to rural clinics, leading to improved access to healthcare for those living in complex geographies.

OUR APPROACH

For health workers in remote areas and regions with complex geographies, transportation challenges can disrupt the provision of quality care to children and pose constraints to early diagnosis. Transport efficiencies are also essential to supply chain management, particularly for moving temperature sensitive cargo, re-stocking essential medicines and supplies, and delivering life-saving emergency items in humanitarian contexts.

Unmanned aerial vehicles, or 'drone'-based technologies and services are demonstrating the ability to deliver life-saving materials, and in so doing, generate substantial social benefits. The Republic of Vanuatu is a Y-shaped archipelago consisting of 83 relatively small islands of volcanic origin that run 1,600 kilometres north to south. Many islands and villages are accessible only by boat, and the roads on the major islands only connect the most important towns and villages. Here drones provide a cost-effective solution to keep inventories of vaccines, blood and other life-saving temperature-controlled medical supplies in rural health posts.

UNICEF's drones programme aims to better address key considerations in the use of drones, and craft a practical way forward for UNICEF to globally leverage this technology to protect and advance the rights of children.



OUR PARTNERS

- Ministry of Health, Republic of Vanuatu

"It's extremely hard to carry ice boxes to keep the vaccines cool while walking across rivers, mountains, through the rain, across rocky ledges. I've relied on boats, which often get cancelled due to bad weather. As the journey is often long and difficult, I can only go there once a month to vaccinate children. But now, with these drones, we can hope to reach many more children in the remotest areas of the island."

- Miriam Nampil,
Nurse who Injected the World's First Drone-delivered Vaccine



OUR SDGs





IMPACT IN NUMBERS

50-60 KM

50-60 kilometres radius covered by the drone delivery system, transporting medical supplies from distribution centres to rural clinics in less than 30 minutes















Livelihoods and enterprise development

Promoting alternative employment and income opportunities, women in the workplace, competitive products and services, and improved market access

Asian Development Bank

Barefoot College International

Empower

Esoko

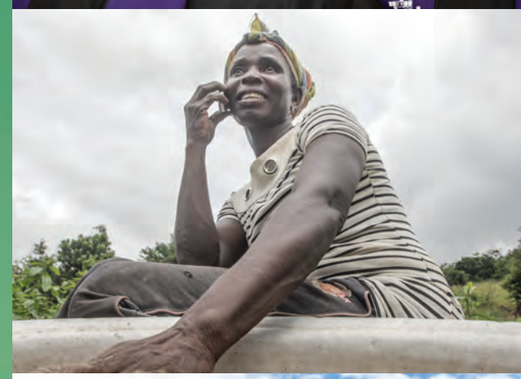
HolaCode

Sustainable Growers

The Mountain Partnership

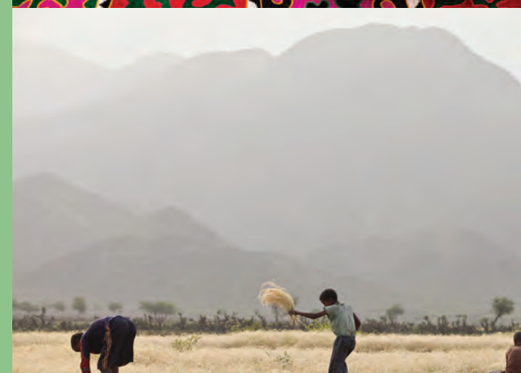
UN Women











Asian Development Bank

Developing Sustainable Alternative Livelihoods in Coastal Fishing Communities in the Coral Triangle

Indonesia and Philippines

OUR IDEA

Indigenous people, particularly women are often the most marginalised group in remote coastal fishing communities, who face challenges in accessing financial and technical support to alleviate their economic condition. This forces many of them to engage in unsustainable coastal livelihood practices that threaten critical ecosystems and the species that live within them. To address this, the Asian Development Bank aimed to raise the incomes of indigenous people, particularly women in coastal and remote areas such as the Berau district in East Kalimantan, Indonesia, and the Balabac Municipality in Palawan, Philippines. By piloting sustainable alternative livelihood activities in selected villages, this project focused on adding value and improving the quality of products already produced in these targeted regions. Through this, the Asian Development Bank sought to increase the resilience of coastal and marine ecosystems while also developing alternative livelihood opportunities for poor coastal communities.

OUR APPROACH

The project involved working closely with community leaders, local schools, and businesses to raise awareness of sustainable coastal resource management. Fishing communities were identified with the help of local project champions and were offered a menu of livelihoods as alternatives to unsustainable coastal practices that threatened marine ecosystems. This included options such as seaweed farming, handicrafts production, and vocational training such as carpentry, among others. The project also included supporting these communities through technical and financial literacy training, business plan development, provision of equipment and supplies, mentorship, and market linkages to partner with local businesses. To build a strong community spirit, the project documented, and publicised stories of best practices and lessons learned via social media.

OUR PARTNERS

- Japan Fund for Prosperous and Resilient Asia and the Pacific (JFPR 9160)
- Ministry of Marine Affairs and Fisheries of the Republic of Indonesia
- Palawan Council for Sustainable Development of the Republic of the Philippines



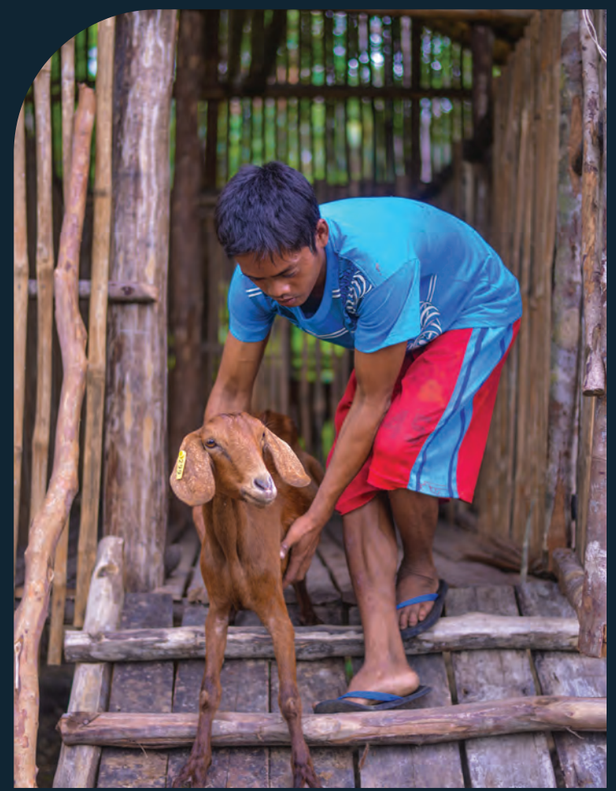
“For the first time in our lives, here comes a project that takes us, Molbog, to opportunities that we could only dream of. Today, those dreams are becoming a reality!”

- Luzmida Casim,
32-year-old,
Community Development Officer/Beneficiary



OUR SDGs





IMPACT IN NUMBERS

461

461 alternative livelihood units were established (of which 217 were led by women)

902

902 individuals received skill development training (of which 70% were women)



OUR EXPO 2020 EXPERIENCE

“Being showcased in the Global Best Practice Programme at Expo 2020 Dubai has really raised the project beneficiaries' enthusiasm for marine life protection.”

Barefoot College International

Digital Solar Night Schools

India

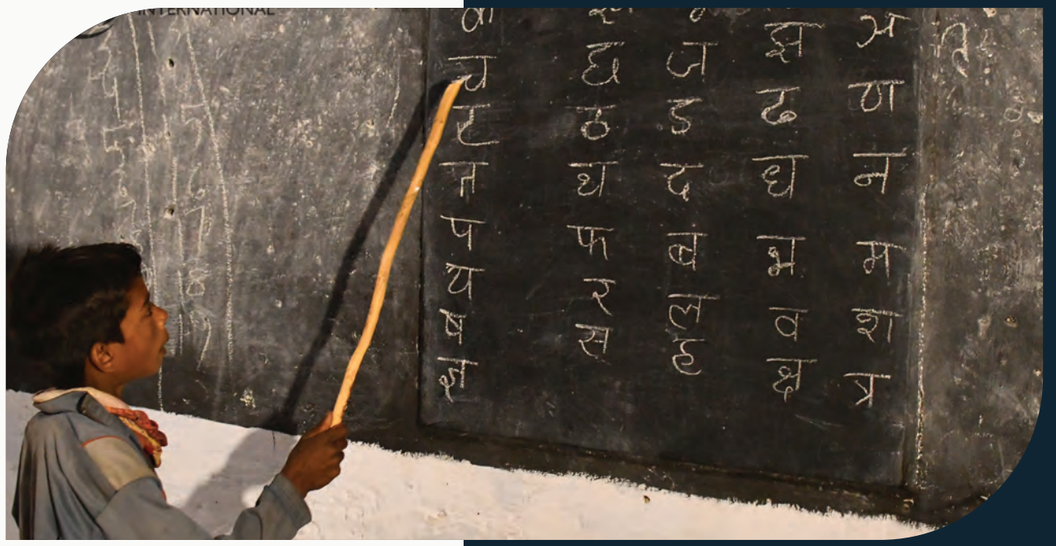
OUR IDEA

Access to quality and futuristic education is limited in many low-income countries, especially in areas where there is infrequent or no connectivity, limited access to resources, and a lack of qualified teachers. Children in these communities are left without a wider body of knowledge that is necessary to succeed in the evolving digitally-driven economy. To bridge this gap, Barefoot College International works on creating informal learning spaces in these communities by enabling community leaders and champions through a contextualised curriculum. This comprises knowledge building in areas such as gender equality, diversity, environmental sustainability, health and nutrition, leadership and communication skills, and awareness of rights. Barefoot College International also provides trainings that are supported by digital tools running on renewable sources of energy. These night schools are helping narrow the digital divide and improving access to holistic education for students from underprivileged communities.

OUR APPROACH

The Digital Community School is a community-led informal learning space within rural/last mile regions facing major roadblocks in receiving education. This model is a direct response to the 2015 SDG goal- "Quality Education for All" where it addresses barriers to energy, connectivity, and availability of qualified teachers by providing communities with an in-house designed and user-tested solar powered projector "Edu box". It is paired with a tablet and an offline content router which consists of 600 hours of curated digital content for learners, customised to the local context with a pro-girl child focus. In addition to improving primary level outcomes for literacy and numeracy of children, the intervention also focuses on Education for Sustainable Development which involves building community champions who can voice their issues and opinions and lead the development of other critical solutions.





"My perspective on gender roles changed after attending the gender workshops. The various activities and reflections made me realise the struggles faced by women due to a lack of access to information. It is important that girls and women in rural communities are given exposure and support so that they can dare to dream and fulfil their dreams. I am now determined to be a nurse and serve the community. I was very inspired by the movie Amina - girls should keep fighting and finding opportunities for ourselves. We should work to break the notion that girls are incapable and are always dependent."

- Beneficiary

OUR PARTNERS

- Apple (India)
- Worldreader

OUR SDGs

4 QUALITY EDUCATION

5 GENDER EQUALITY

7 AFFORDABLE AND CLEAN ENERGY





IMPACT IN NUMBERS

80%

80% of community teachers trained and up skilled in pedagogical and digital skills.

65%

65% of children could demonstrably articulate on SDG issues of gender, sustainability and social justice.

75K

75k children educated since the model's inception

OUR EXPO 2020 EXPERIENCE

"The opportunity to take part in Expo 2020 Dubai has allowed us to learn new and innovative models of inclusive education. We have also been in communication with some of the other participants to discuss ways to strengthen and complement our model. Expo 2020 Dubai created an opportunity for collaboration and learning to share and discuss ideas to improve the quality of education in our communities."

Cooperativa de Exportação de Cacau de Qualidade (CECAQ-11)

The CECAQ-11 Co-operative

São Tomé and Princípe

OUR IDEA

In 1913, Africa's second smallest country, the twin-island nation São Tomé and Princípe, was the largest producer of cocoa in the world. Under Portuguese colonial rule, cocoa production was organised into estates. In 1975, after declaring independence, a lack of investment and collapsing global prices led to the industry's collapse. Land from the old cocoa plantations was divided into smallholdings and distributed amongst the local farmers. However, communities organised themselves into co-operatives and decided to grow cocoa again in order to restore their livelihoods. Established in 2009 with 11 villages, the CECAQ-11 (Cooperativa de Exportação de Cacau de Qualidade) Co-operative is flourishing and has grown to include 20 cocoa farming communities.

OUR APPROACH

CECAQ-11 is an export co-operative driving the production of quality cocoa that supports small farmers in São Tomé and Princípe. Companies that buy the high-quality, organic cocoa from CECAQ-11 pay fair-trade prices and an additional premium to support sustainability practices like maintaining nutrient-rich soil. Investing in soil helps improve yields and builds resilience to climate change, as healthy soils require less tillage and absorb more carbon.

By joining the co-operative, farmers are guaranteed a regular buyer, payment throughout the year and they collectively decide how to invest the Fairtrade premium. To date, CECAQ-11 has used the extra funds to build a day care centre and nursery and bring electricity to villages, amongst other investments. Their forthcoming priorities include improving access to water and roads to remote communities.

A third of the co-operative farmers are women who grow food to feed their families and also earn a regular income from the cocoa they now grow.





"Spending time with the members of the CECAQ-11 co-operative, we saw and heard evidence of this pride every day. Cocoa growing, especially on the steep slopes of the island, is a labour-intensive affair, but these farmers can see the benefit of being more meticulous and skilled in how they manage their farms. They have been trained in better pruning methods, in shade management (cocoa grows best in the humid shade of the rainforest canopy), and in grafting seedlings to combine quality with higher productivity."

- Charlotte Borger,
Divine Chocolate

OUR PARTNERS

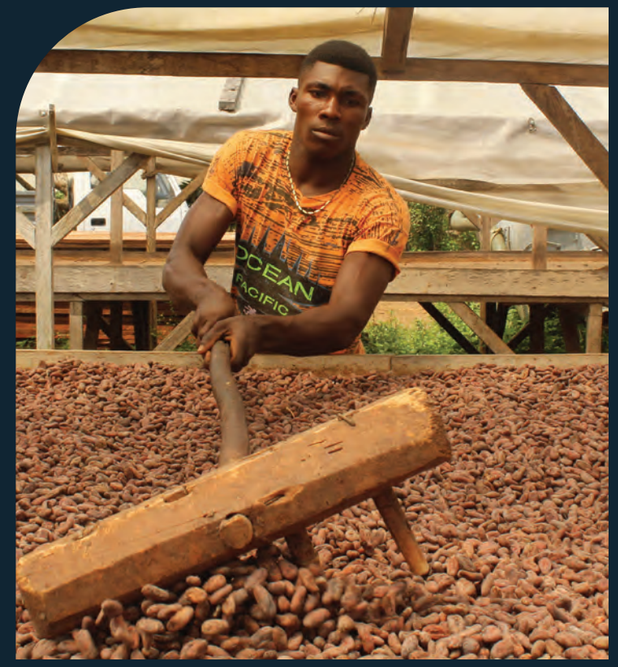
- GEPA The Fair Trade Company, Germany
- Divine Chocolate

OUR SDGs

8 DECENT WORK AND ECONOMIC GROWTH

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

17 PARTNERSHIPS FOR THE GOALS



IMPACT IN NUMBERS

20

20 farming communities form the members of the co-operative with a total of 1.1K+ farmers – 393 of whom are female, as of 2018.

300

300 tonnes of cocoa produced by the co-operative in 2017.





Empower

Global Plastic Waste Deposit and Tracking System

Norway

OUR IDEA

Most used products and materials end up in landfills, incinerated or leaking out toxins into nature. This is primarily due to a lack of producer responsibility, collection, and segregation at source. Data shows that the presence of microplastics in soils, sediments, and freshwater could have long-term negative effects on ecosystems, especially as these particles make their way into the food chain. To address this growing plastic waste problem, Empower has created a global plastic waste deposit system, where collection and segregation at source can be implemented quickly anywhere in the world. Empower does this by giving plastic waste a value, and creating a truly decentralised and scalable waste management system. Through its ongoing efforts, the organisation has helped remove 21 million kgs of plastic waste from the natural environment.

OUR APPROACH

Lack of resources and waste management infrastructure cause waste to leak out into the environment. By giving plastic waste a value, Empower helps formalise the waste management sector and creates sustainable jobs and investments in waste management. It matches collectors around the world with both funding for clean-ups, through plastic credits, to extended producer responsibility schemes and potential buyers for the collected materials. It also empowers those who can collect and clean-up waste to create their own jobs and businesses, strengthening local entrepreneurs and businesses.

By digitalising the work and collecting data, they also create a track record both for waste pickers and collection organisations, helping them access micro loans, insurance, financial services, and general investments for waste management.

Since 2019 Empower has scaled up from 16 countries to more than 40 countries. They have gone from 50 tonnes of waste collected in 2019 to more than 13,000 tonnes collected in 2021, reaching more than 10,000 waste-pickers directly, and impacting the lives and environment of hundreds of thousands.





"I must say that this is the best I have seen in terms of an interface for waste management."

- Karsten Hirsch,
CEO of Plastic Fischer

OUR PARTNERS

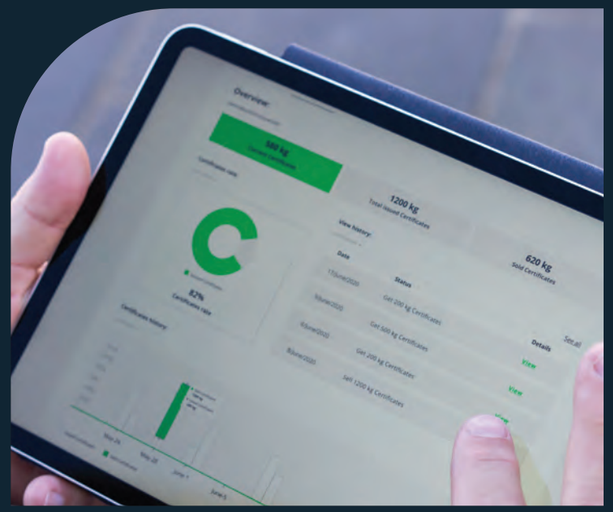
- Alliance to End Plastic Waste
- SAP
- United Nations Human Settlements Programme (UN-Habitat) - WasteWise Cities
- Incubation network
- Ocean Plastic Prevention Accelerator
- DOW Chemicals
- Vestre
- Alba Group
- iWRC
- Ocean Materials
- Tide.Earth
- EvergreenLabs
- ReForm

OUR SDGs

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION





IMPACT IN NUMBERS

15K+

15K+ tonnes of waste material has been collected.

10K+

10K+ waste-pickers have been provided with additional revenue.

20M

20 million people around the world have been reached about a potential solution for plastic waste.

OUR EXPO 2020 EXPERIENCE

"Expo 2020 Dubai has helped to spread the word about Empower's solutions and attracted more collection organisations, sponsors and partners to the projects. We have connected with global changemakers and a network that has opened new doors for Empower, initiating new and related ventures among them using the same basic technology to empower cocoa farmers in Belize and bringing transparent and social cocoa to the worlds markets.

It was amazing to witness Expo 2020 and all the people focusing on sustainability and striving towards a better world. We hope we see continued support and investments into scalable solutions during the coming years so that some of the SDGs can be achieved by 2030 and providing even more hope for continued work."

Esoko

Digital Farmer Service

Ghana

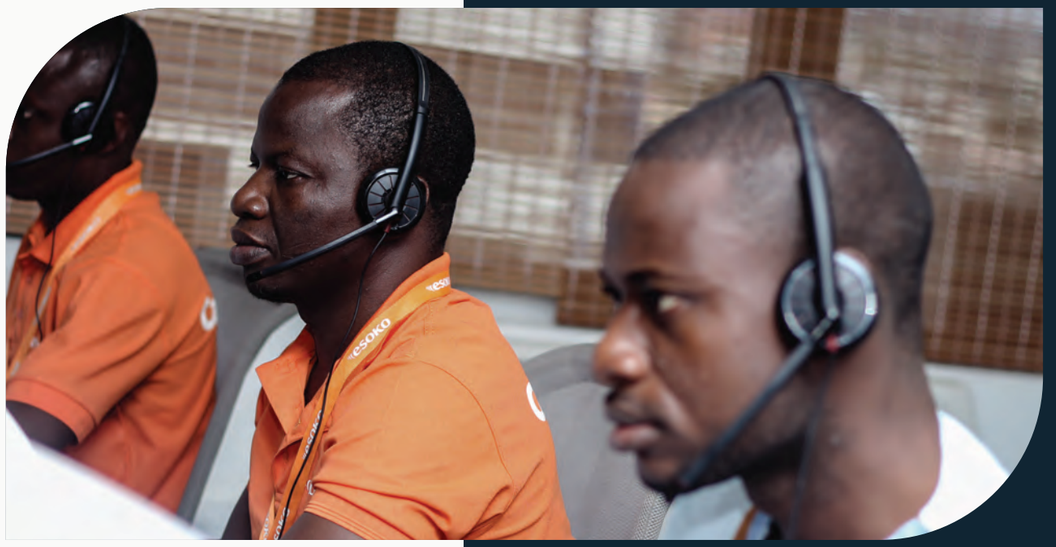
OUR IDEA

Farmers across Africa often face difficulty in accessing critical agronomic information which in turn stifles their yields and livelihoods. Esoko empowers smallholder farmers and the organisations that work with them by providing targeted weather forecasts, market price data, and agronomic best practices via SMS and voice channels. Esoko has tapped into the the emergence of mobile technology in Africa to improve the lives of rural communities across the continent.

OUR APPROACH

Esoko operates primarily through a B2B2C (business to business to consumer) model and curates agronomic information alongside a range of partners such as third-party weather service providers and agricultural research institutions. Smallholder farmers are profiled/registered using Esoko's data collection app, Insyt and field deployment services. Data collected includes (but is not limited to) phone numbers, GPS of farms (for accurate weather information), crops grown (for relevant agronomic tips), and location (for relevant market price information). Farmers can also contact Esoko's call centre to register for information services. Once registered, farmers receive agronomic information on a weekly basis through SMS or voice SMS. As lack of literacy is a challenge on the African continent, Esoko employs voice-based digital solutions to improve the effectiveness and reach of advisory campaigns across agriculture.





"After receiving messages from Esoko under the CCAFS project, I can say that I am better off today than I was two years ago. The yields of my two favourite crops (maize and millet) have increased - I was getting only 4 bags of maize but now I have already shelled 6 bags! I have never had such a good harvest before. I follow advice from Esoko and even call them on 1900 and speak Dagaari with them."

- Mampong Naa,
Resident of Jirapa Baazu, Upper West of Ghana



OUR SDGs







IMPACT IN NUMBERS

1.7M

1.7 million farmers across Africa empowered with targeted agronomic services since Esoko's inception in 2008.

10%

10% increase in incomes reported by farmers in Ghana who received Esoko's agronomic content over a period of one year.

10%

10% increase in incomes reported by farmers in Ghana who received Esoko's agronomic content over a period of one year.

OUR EXPO 2020 EXPERIENCE

"We are grateful for the opportunity to showcase Esoko's digital agriculture solutions to the world at Dubai Expo 2020"

Hola<code/>

Hola Code

Mexico

OUR IDEA

Migrant populations often face the challenge of integrating into Mexico's communities due to the lack of accessible opportunities. Some of the obstacles they face include the unavailability of access to financial products, lack of support networks, poverty cycles, and overall, social discrimination. Considering the high demand of tech talent in addition to the unprecedented opportunity for migrants in Mexico, HolaCode was established to help train and enable migrants to secure tech related employment. The programme caters to student needs through the provision of a weekly stipend, competitive student loans, day care facilities, and psychological counselling support. Students are also mentored through career coaching and have access to HolaCode's network of 42 hiring partners across Argentina and the United States.

OUR APPROACH

HolaCode is the only integration programme in Latin America offering comprehensive EdTech and long-term integration services for forced migrants (returnees, deportees, and refugees) in the region. They harness the potential talent of the migrant community for the tech sector by offering a software engineering training boot camp. They transform talented individuals into software developers, through an intensive 5-month long course that teaches the basics of coding, soft skills, and app development. This enables them to tap into both Mexico's growing tech sector and the global demand for bilingual, bicultural developers.

They are the only integration programme that creates a long-term impact in migrant communities based in Mexico. For students, this results in access to high demand jobs, salary increases, and financial services.

OUR PARTNERS

- Globant
- T-Systems
- CELO
- WeWork



"Thanks to HolaCode I believe in myself and my ability to learn new things. I didn't know anything about computers—now, look at me!"

-Jessica González Torres,
32-year-old, Beneficiary and Software Developer



OUR SDGs







IMPACT IN NUMBERS

300%

300% salary increase rate for graduates after HolaCode's programme

74%

74% graduates' salaries put them in the 19% bracket of the Mexican population the highest income in the country

100%

100% of them have access to financial services, if they require it

OUR EXPO 2020 EXPERIENCE

"Being part of the Global Best Practice Programme has let us meet and learn from other organisations that work within education and has also helped us share experiences with other global innovators that are changing the world. Thanks to Joe Lipscombe and Emily Staub we were able to design a communication strategy that enabled us to have a better understanding of our target audience in order to engage with them. We want to thank Expo 2020 Dubai for the invitation and for letting us be part of this changemakers group."

Sustainable Growers

Question Coffee: Promoting Women Coffee Farmers

Rwanda

OUR IDEA

Smallholder coffee farmers suffer under a global pricing system that bears no connection to the cost of production. They face steadily increasing prices for inputs such as fertilisers and pest management, while the global price for coffee continues to fall. Female coffee farmers are further marginalised. They are seldom the direct recipient of the income for their labour, which usually goes to the head of the household, making them invisible throughout the supply chain. In view of this, Sustainable Growers developed an innovative training program to increase the productivity of women coffee farmers to elevate women throughout the value chain. Immediately the quality of coffee increased, consumption of coffee expanded throughout the region, and the demand from international buyers rose exponentially.

OUR APPROACH

Research indicates that yields on farms worldwide can increase by up to +30% if women are given the same productive resources as men. Sustainable Growers program uses a proven formula based on women-led efforts to elevate women throughout the value chain. In 2013, Bloomberg Philanthropies engaged Sustainable Growers to bring innovative training to the coffee business and made a commitment to bring smallholder farmers up the value chain.

They facilitated the creation of a multi-dimensional partnership network, building a solid foundation and support network that women farmers could tap into. In 2016, Sustainable Growers established a social enterprise brand called Question Coffee to build local demand for high-quality, specialty coffee by the graduates of the training program. Their products are sold locally to major hotels, restaurants, and nationally as well. The Question Coffee Academy provides internationally certified barista training as youth employment opportunities. Returns from Question Coffee are directly reinvested into their training programme.

OUR PARTNERS

- Bloomberg Philanthropies
- Ministry of Agricultural and Animal Resources, Rwanda
- National Agricultural Export Development Board, Rwanda
- MasterCard Foundation



“Our success (in partnership with Sustainable Growers) comes from the small, deliberate actions we take every day. We are hands-on to make sure we attend to the details.”

- Esther Mukangango,
President, Nyampinga Cooperative.



OUR SDGS

5 GENDER EQUALITY

8 DECENT WORK AND ECONOMIC GROWTH

10 REDUCED INEQUALITIES





IMPACT IN NUMBERS

50K+

50K+ women farmers and 80 co-operatives enrolled and trained in Rwanda and the Democratic Republic of the Congo, resulting in secondary impact to nearly 200 K families

40%

40% increase in coffee production and a 52% hike in sale revenues to co-operatives, returning more income to farmers' pockets.

30%

30% increase in the average monthly household income per farmer

OUR EXPO 2020 EXPERIENCE

“Through our participation at the Expo 2020 Dubai, we increased visibility of the women coffee farmers in our program on a global scale and established new relationships with international roasters and buyers in the UAE. We found this as an opportunity that opens doors for many other platforms where Rwandan and Congolese women coffee growers can not only learn from others but are also inspired to do more. At Expo 2020, our brand ‘Question Coffee’ received interest from tour promoters in Dubai, encouraging tourists to visit Rwanda. We also secured ownership of an in-house roaster to improve local production and were presented with the opportunity for a retail expansion with reputable restaurants in the UAE.”

The Mountain Partnership

Food and Agriculture Organization of the United Nations
The Mountain Partnership Products Initiative

Peru

OUR IDEA

Around the world, important agrobiodiversity and traditional knowledge are disappearing as farmers switch to growing commercial crop varieties that are more profitable in the short term. In the long term however, these crops - which are not adapted to the local ecosystems - can cause environmental degradation. The solution requires adequate promotion of heritage varieties and the strengthening of value chains to ensure farmers receive fair pay and continue growing varieties their communities have developed over generations. The Mountain Partnership Product (MPP) Initiative, is helping achieve this in mountain areas of developing countries around the world through a certification and labelling scheme for ethical, fair, and organic products.

OUR APPROACH

Due to the limited arable land and the heritage nature of the varieties, mountain products are produced on a small scale, sustainably, without the use of chemical inputs. While the high value of these products should compensate for their small production volume, mountain producers rarely receive a fair price and consumers cannot easily distinguish mountain products from others in the marketplace. The Mountain Partnership Products (MPP) initiative strengthens the resilience of mountain people, their economies and their ecosystems. It provides technical and financial support to small-holder mountain producers from developing countries.

The initiative promotes sustainable mountain farming systems through a narrative label that tells the story of each product, thereby enabling consumers to make informed purchases. To lower certification costs, MPP partners in 8 countries, where they established the first global network of participatory guarantee systems for mountain producers, promoting horizontality, trust and transparency in decision-making through a low-cost quality assurance certification scheme.



"The MPP label has made our brand more recognisable on the market as well as validated the positive impact our venture has had on small-scale rural farmers. The product is really appreciated at farmers markets and in organic shops, and selling our jam has increased farmers' income during the period of the year that the berry grows."

- Gabriel Chaman, MPP focal point,
34-year-old, Project Manager REDAR Peru

OUR PARTNERS

- Food and Agriculture Organization of the United Nations
- Italian Ministry of Foreign Affairs and International Cooperation
- Slow Food
- IFOAM – Organics International
- NaturaSí
- United Nations Development Programme (UNDP)
- Stella Jean



OUR SDGs







IMPACT IN NUMBERS

49% — 49% increase in sales achieved by MPP partners using the narrative labels and appropriate marketing strategies

40% — 40% increase in production witnessed by MPP partners

25% — 25% increase in selling price of products produced by MPP partners

OUR EXPO 2020 EXPERIENCE

"Thanks to the recognition received by Expo Dubai 2020 Global Best Practice Programme, the project managed to raise €4 million from Italy to scale up the activities in the mountains and expand the project's scope to other fragile ecosystems, such as islands.

In addition, since collaborating with the Aga Khan Agency for Habitat (AKAH) at Expo 2020, the AKAH has become an official member of the Mountain Partnership and Dilshodbegim Khusravova, AKAH volunteer from Tajikistan, has been nominated as the first Youth"

UN Women

E-Rickshaw Services by Women for Women

Nepal

OUR IDEA

Women comprise of 50% of the workforce in Nepal and make up 10-15% of the total migrant population. Despite making a significant contribution to Nepal's economy, women are often confined to traditional, low-paying work with limited possibilities for economic empowerment. This has resulted in many women seeking employment opportunities abroad, at the risk of dangers such as trafficking, forced labour, physical exploitation, and sexual abuse. UN Women implemented an initiative that provides an enabling environment for returnee migrant workers to grow and progress through financial self-reliance.

OUR APPROACH

By training women to become licensed electronic rickshaw (e-rickshaw) drivers, this project not only challenges prevailing gender norms, but also improves safety and mobility for female commuters. By providing them with employment and income opportunities in a non-stereotypical and non-traditional occupation, the e-rickshaw initiative has helped returnee women migrant workers reintegrate into society. Women e-rickshaw drivers also become agents of change in their communities, demonstrating themselves as role models, paving a path for more women to defy societal stereotypes.





"There's immeasurable satisfaction in being financially independent and not having to live at the mercy of others. I am able to comfortably provide for our family's needs. I feel content because this vocation has given me financial freedom."

- Padma Chaudhary,
38-year-old, Beneficiary and
Resident of Phulwari village

OUR PARTNERS

- Ministry for Foreign Affairs, Finland
- Ministry of Women, Children and Senior Citizen, Government of Nepal
- Pourakhi Nepal



OUR SDGs

















Resilient habitats

Better protecting human, economic and natural assets in urban, rural. and fluid environments.

Carbon Tanzania

Doh Eain

Food and Agriculture Organization of the United Nations (FAO)

Land Life Company

Planet Indonesia

Seacology

UN-Habitat











Carbon Tanzania

Yaeda Valley Project

Tanzania

OUR IDEA

Deforestation is responsible for over 50% of Tanzania's carbon emissions. Shifting agriculture is a key driver and is responsible for approximately 80% of the country's deforestation. This conversion of forests to farmland threatens indigenous cultures and wildlife and accelerates climate change and biodiversity loss. Tanzania currently loses between 400,000 – 500,000 hectares of forest per year. Carbon Tanzania believes that it is only by working with indigenous communities and local governments that genuine long-term forest stewardship is possible. With this aim, the Carbon Tanzania through the Yaeda Valley REDD Project collaborates with the indigenous Hadza hunter-gatherers to protect their community-owned, threatened forests. This project involves 12 Tanzanian village communities and seeks to scale up forest protection in the region, while also enabling indigenous communities to earn an income and secure ownership of their land.

OUR APPROACH

The Yaeda Valley REDD Project is a natural climate solution that protects 32,000 hectares of threatened, community-owned forests. Using the REDD monitoring framework and methodology for carbon accounting, three Hadza communities keep 18,700 trees standing, avoiding 20,600 tonnes of CO2 emissions annually. The resulting high-quality carbon credits are certified by Plan Vivo and sold on the voluntary carbon market and has earned the community $480,000 to date. The carbon revenue generated then flows directly to the communities, who decide how best to spend their funds. The revenue earned pays salaries to community scouts who patrol and protect the forest from deforestation, poaching, and land incursions. The revenue is also used to enhance educational opportunities, improve health care facilities, and support community development initiatives.

OUR PARTNERS

- The Nature Conservancy
- Ujamaa Community Resource Team
- Dorobo Fund
- Hooge Raedt Social Venture



"The community sits down together and has a meeting to decide what the carbon revenue should be spent on. The money is usually spent on school fees, hospital and health funds, emergency food rations and on salaries to pay the community scouts to patrol the forest. We all need to guard our land. Without our land we are lost, we can't be Hadza without land, the Hadza are part of the environment."

- Pili Goodo,
34-years-old, Beneficiary



OUR SDGs







IMPACT IN NUMBERS

344K — 344K tonnes of CO2 emissions avoided due to the reduction of deforestation to nearly zero in the Yaeda Valley project area

68% — 68% increase in giraffe sightings in the Yaeda Valley project area

$480 — $480K earned in carbon revenues directed to communities

OUR EXPO 2020 EXPERIENCE

"It has been an honour to be chosen from so many impactful projects around the world to become part of the Global Best Practice Programme at Expo 2020. We are grateful to have had this incredible opportunity to share our message and work with a global audience. The honour of being recognised as a Global Best Practice has motivated the Hadza community to continue with their forest protection activities. The recognition from the global community supports them in their efforts to advocate for forest protection financed by the voluntary carbon market, which in turn, leads to the approach utilised by the project being replicated across the country."

Doh Eain (Our Home)

Doh Eain (Our Home)

Myanmar

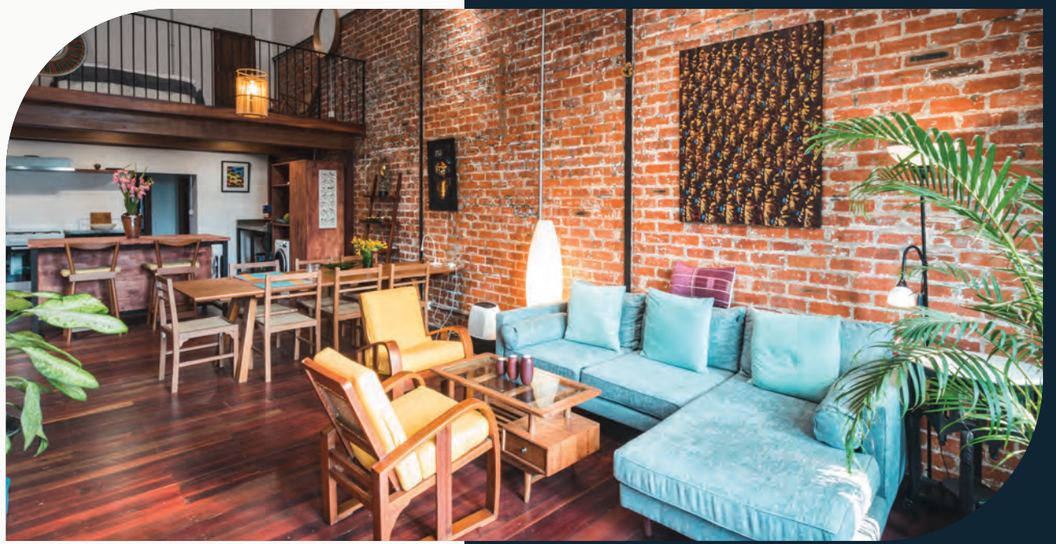
OUR IDEA

Rapid urbanisation is leading to the destruction of built heritage and the decline of public spaces. As a consequence, the identity and liveability of cities often get left behind as priorities impacting the inclusivity and sustainability of living spaces. Doh Eain preserves heritage, improves public spaces, and organises activities that connect people with places, employing a user-centred, participatory approach. They aim to inspire and enable people to participate in re-shaping their city while retaining cultural heritage. Doh Eain's work is rooted in four core principles, local leadership and user-centeredness, asset-based and creative, ecological sustainability, and financial viability.

OUR APPROACH

Doh Eain began as an informal initiative in 2015 by helping a family renovate their apartment in a historical building on Bogalay Zay street. With limited means to finance this renovation, Doh Eain provided financial and design support to upgrade the apartment to modern standards to allow for renting to a new tenant. The cost of renovation was paid back by the family over time, while the family started enjoying a solid monthly income. Following the success of this model, demand for renovation grew amongst other family members and friends who owned heritage spaces.

Parallel to this work, in 2016, Doh Eain started converting one of Yangon's many trash alleys into a small vegetable garden, creating much needed public spaces where there were previously none. Empowered by social and local media, images of the vegetable gardens went viral. Following this, the local government threw its weight behind several more "trash alley to Alley Garden" projects led by Doh Eain bringing together both aspects of their work - restoring heritage and upgrading public spaces. Through these projects, the value of maintaining historical and cultural identity was realised. They also supported neighbourhood socio-economic growth and contributed to social cohesion, wellbeing, and sustainability. Doh Eain demonstrates the role a social enterprise can play to preserve and improve heritage and urban landscapes directly with the people and communities that inhabit them.



"Doh Eain helped me restore our family house in downtown Yangon, which goes back four generations to the late 1800s. My property is now the pride of our street and it also generates a steady flow of income to support my children's education."

- U Htein Aung,
76-years-old, Heritage Property Owner

OUR PARTNERS

- United Nations Human Settlements Programme (UN-Habitat)
- United Nations Population Fund (UNFPA)
- Asia Preparedness Partnership



OUR SDGs







IMPACT IN NUMBERS

$1M

$1 million invested in the restoration of several dozen historic homes

$345K

$346K generated for families owning heritage, over half of whom are classified as low or lower middle income

19.2 SQ.M

19.2K sq.m of new public spaces, servicing at least 65,000 people who live within 500 metres of these spaces

OUR EXPO 2020 EXPERIENCE

"We are currently transitioning from being a Myanmar only company to being an international design practice. Expo 2020 came at a perfect moment and helped us meet actors working in the urban development space all around the world."

Food and Agriculture Organization of the United Nations (FAO)

Humanitarian-Development-Peace Nexus

Uganda

OUR IDEA

Frequent and persistent droughts are a recurrent feature of the Karamoja Cluster, which encompasses the south-western parts of Ethiopia, north-western Kenya, the south-eastern parts of South Sudan, and north-eastern Uganda. The resulting persistent food insecurity of pastoralist communities is worsened by the occurrence of transboundary animal diseases and the eruption of conflicts over natural resources within countries and across borders.

The Food and Agriculture Organization's (FAO) decade-long work in the Karamoja Cluster (in Uganda and Kenya) shows that interventions focusing on livestock mobility and natural resource management play an important role towards strengthening livelihoods, sustaining peace and indirectly preventing conflict. Specifically, the sustainable cross-border sharing of natural resources and the coordination of animal movements (and the services associated with it, such as vaccination and health inspection) have been used effectively by FAO and partners to prevent and mitigate conflicts. FAO facilitates peaceful inter-community co-existence through cross-border resource sharing mechanisms, livestock co-ordination, and natural resource management.

OUR APPROACH

FAO performs interventions combining livestock mobility and the preservation of natural resources with the goal of sustainable social transformation, innovation, and conflict prevention which have proven most cost-effective at increasing resilience. Reduced border conflict enables traders to cross between Kenya and Uganda safely and more frequently. The sharing of pastoral resources (and services) not only promotes the resilience of resource-poor communities, it also creates new opportunities for cross-border trade and opens up new markets. The cross-border trade in livestock, grains and other commodities has increased, natural resource management plans have been agreed to, and livestock and human health have improved.

Local governments are integrating community plans in their planning processes, which has improved their resilience and disaster preparedness. Additionally, a dialogue platform where communities mediate disputes, conclude peace agreements and formulate joint grazing policies to avoid future conflicts has been established.

OUR PARTNERS

- Intergovernmental Authority on Development (IGAD)
- African Union (AU)
- ACTED and Vétérinaires Sans Frontières International (VSF)
- International Union for Conservation of Nature (IUCN)
- European Union (EU)
- Swiss Development Cooperation (SDC)



"We should keep having these peace talks, and not go back to the time of the guns."

- Adupa,
A Reformed Karamojong Warrior at a Community Peace Meeting in Karamoja District, Uganda



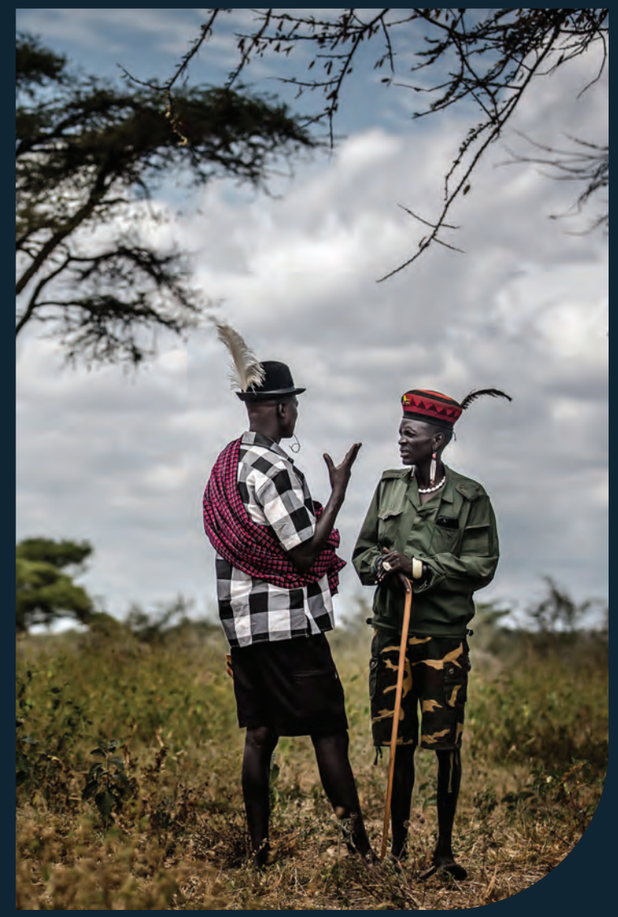
OUR SDGs

2 ZERO HUNGER

11 SUSTAINABLE CITIES AND COMMUNITIES

16 PEACE, JUSTICE AND STRONG INSTITUTIONS





IMPACT IN NUMBERS

2M

2 million livestock vaccinated every season

4

4 countries including Ethiopia, Kenya, South Sudan, and Uganda signed the Multilateral Cross Border MoU and Implementation Framework to Enhance Animal Disease Control

OUR EXPO 2020 EXPERIENCE

"FAO's partnership with IGAD on cross-border movements have allowed pastoralists from Turkana, Kenya to access grazing lands in Uganda, without causing conflicts with the Karamojong. Expo 2020 has showcased this unique solution, triggering re-engagement with partners on scaling the approach within the cluster."

Land Life Company

Building a Green Refugee Camp

Cameroon

OUR IDEA

As rising temperatures continue to change socio-ecological systems and impact both humans and nature, displacement will affect increasing numbers of people around the world. As many as 86% of the world's refugees are fleeing to poor countries where resources are already scarce. The Minawao refugee camp in Northern Cameroon originally opened in 2013. The rapidly growing refugee community has led to significant environmental and social challenges, including water shortages, damage to valuable grazing land, desertification, and deforestation. The Green Refugee Camp addresses two of the biggest global challenges – climate change and the plight of refugees – through reforestation.

OUR APPROACH

In 2017, the world's largest humanitarian aid agency, the UNHCR (United Nations High Commissioner for Refugees) and Land Life Company, supported by the Dutch National Postcode Lottery and the Lutheran World Federation, joined forces to build a Green Refugee Camp in the Far North of Cameroon. Together with refugee and local communities, the project worked to bring back forests, create jobs, improve nutrition, and provide shade and wind protection to Minawao Camp refugees. The partners brought their technical knowledge, tree planting experience, a local presence, and networks to create maximum impact.

40,000 trees were planted in 2018, with survival rates of 75%. Some of those trees are now over 4 metres tall and are being protected by the people who planted them. Furthermore, the project has encouraged peaceful and co-operative co-existence between local communities and refugees, working side by side on a joint mission. Through a holistic approach, the project goes beyond planting trees and replaces wood as a fuel source with eco-friendly cooking alternatives produced at the camp.

The 2018 reforestation project provided jobs such as tree nursery technicians and planting and maintenance labourers. Refugees received income and training certificates for the skills acquired. All partners involved have declared this project a great success and are excited to continue.

OUR PARTNERS

- The Dutch National Postcode Lottery
- United Nations High Commissioner for Refugees (UNHCR)
- Lutheran World Federation (LWF)





"The Green Refugee Camp brings to life a new model on how to reduce the environmental footprint of humanitarian efforts, bringing together people and planet in one of the most challenging regions on earth."

– Mamady Fatta Kourouma,
Head of UNHCR Maroua sub-office, Cameroon

OUR SDGs







IMPACT IN NUMBERS

175
175 local jobs were created

160K
160K tonnes of fodder and 8.4K tonnes of neem oil will be produced over 40 years

2.2M
2.2 million litres of water saved (Used 61% less water than traditional planting)

OUR EXPO 2020 EXPERIENCE

"While building the "Green Refugee Camp" in Cameroon has been successfully concluded, the exposure and platform that Expo 2020 has provided has been truly amazing. We have connected with several other projects to evaluate if we can combine our efforts. Moreover, the presentations and discussions we've had in Dubai have resulted in several inquiries for reforestation in new territories. It was an unforgettable experience, and we hope our projects will continue to deliver impact on the SDGs, all thanks to Expo's commitment to make this planet better."

Planet Indonesia

Conservations Cooperatives

Indonesia

OUR IDEA

Rural communities living in tandem with West Kalimantan ecosystems often suffer from socio-economic insecurities due to unmet social and financial needs. These barriers drive them to exploit surrounding natural resources beyond their subsistence needs, reducing the resilience of the very ecosystems that act as their lifeline. Planet Indonesia is dedicated to conserving at-risk ecosystems through village-led partnerships. By enhancing access and rights for communities to manage land and seascapes collaboratively and locally, biodiversity is supported, habitats are protected, solutions for climate change adaptation are developed, and local livelihoods are enhanced.

OUR APPROACH

Planet Indonesia's evidence-based model is delivered through a 'Conservation Cooperative' approach. Addressing issues at the social-ecological nexus, it is co-designed and built upon the values, needs, and aspirations of the communities that they partner with. Planet Indonesia provides the tools, technical assistance, and funding for effective participatory management of local resources all while catalysing and supporting the creation of inclusive local governance institutions that act as the vehicle to deliver financial, health, and well-being services that improve a village's social-economic well-being.

This approach has contributed to deforestation rates dropping by 56% surrounding the partner villages as compared to 2 years prior to the programme implementation in the Gunung Niut Nature Reserve. At the coastal site, 56.7 hectares of mangrove forests were lost per year before the intervention. Three years since the project was implemented, this reduced to 23 hectares per year. Additionally, 32,440 mangrove trees and 3,709 agroforestry trees have been planted in the last year. Alongside, their Healthy Family Initiative and Literacy Programmes directly address gaps in social services in partner communities.





"I am optimistic, especially for the community, that they are aware that the protection and management of mangrove areas in a sustainable manner is important and brings value in the future, not just participating in programmes initiated or implemented by the village or village partnering organizations. But purely because the community has open insight and views, so that it becomes a common goal to protect the mangrove area."

-Agustar,
Head of the Mengkalang Jambu Village

OUR PARTNERS

- The David and Lucile Packard Foundation
- Trafigura Foundation
- United Nations Development Programme (UNDP)
- Mandai Nature
- March Conservation Fund
- Blue Ventures
- Future for Nature

OUR SDGs







IMPACT IN NUMBERS

25

25 new community enterprises started in 2021 strengthening the economic resilience of community livelihoods

55%

55% increase in income from our sustainable agricultural farmers and an increase in the use of Climate Smart techniques

30%

30% improvement in yield for fishermen from periodic fisheries closures

OUR EXPO 2020 EXPERIENCE

"Since we began our engagement with Expo 2020, we have begun offering our services to two communities in Kalimantan's largest marine protected area, reaching the 2,500 people living within the Karimata Marine Reserve. Additionally, we are now working with six local NGO and CSO partners in Indonesia to share this localised community organising system with the villages they serve. These partnerships will strengthen pre-existing community groups, identify local regenerative actions and build upon common area governance."

Seacology

The Sri Lanka Mangrove Conservation Project

Sri Lanka

OUR IDEA

Mangrove preservation and restoration are critical tools in the fight against climate change due to mangroves' ability to sequester large amounts of carbon – many times more than other types of forests - for significantly long periods of time. Mangroves also provide a natural buffer to coastal communities against storm surges: dense, healthy mangrove forests can decrease the force of tsunamis and typhoon swells by 66%, saving lives and preventing property damage. In the past 50 years, the world has lost half of its mangrove forests. If current mangrove deforestation rates persist, nearly all of the earth's unprotected mangroves could be gone within the next 100 years. Seacology established the Sri Lanka Mangrove Conservation Project to bring together stakeholders from the communities and the government to comprehensively protect mangrove forests.
Mangroves are also profitable ecosystems and the source of food for thousands of small communities. Strategies must be developed to preserve these critical blue carbon ecosystems; however, in order for such conservation initiatives to be successful, these must engage local communities and address the economic pressures they face.

OUR APPROACH

The Sri Lanka Mangrove Conservation Project was launched in 2015 through a landmark trilateral agreement between Seacology, Sri Lankan NGO Sudeesa, and the Sri Lankan government. This agreement made Sri Lanka the first nation in the world to commit to comprehensively protecting all of its mangrove forests. In tandem with mangrove conservation, Seacology has helped mitigate poverty in coastal communities by providing sustainable livelihoods training and micro-loans to over 10,000 women and young people in exchange for their leadership in community mangrove conservation co-operatives.

The programme participants will lead their communities in mangrove propagation, reforestation, and protection. As a result of the livelihood training and micro-loan programme, beneficiaries will be able to create new or expand existing sustainable businesses which will lead to greater financial stability. This in turn will result in better nutrition and health outcomes, increased economic security for families, and protect against destructive storm

OUR PARTNERS

- Sudeesa
- Sri Lankan Ministry of National Integration, Reconciliation, and Official Languages
- Sri Lankan Forest Department
- Sri Lankan Department of Wildlife Conservation
- Sri Lankan NGO Secretariat
- Global Resilience Program



"Mangroves help protect the village, prevent soil erosion and help in the reproduction of fish. And we get fresh air. We get air to breathe from the mangroves"

- Jeyasothy Navanesveran,
55-year-old, Beneficiary.



OUR SDGs



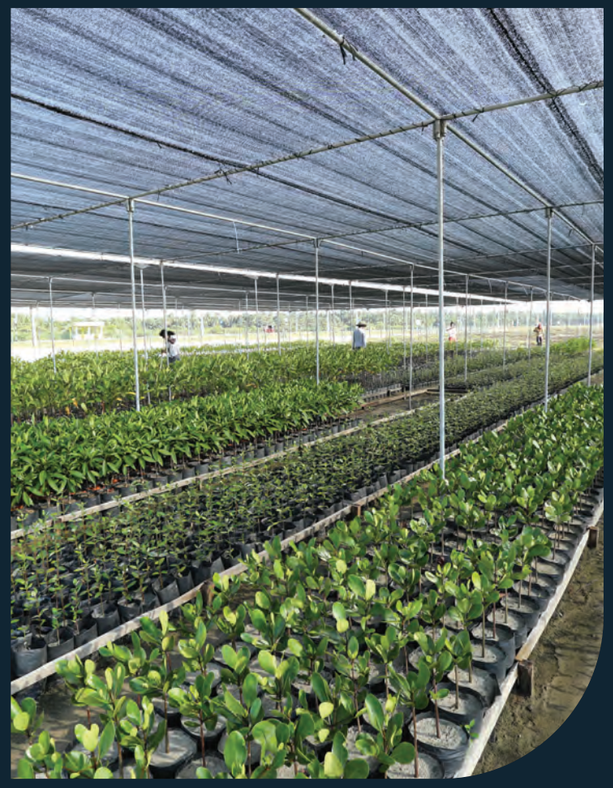


IMPACT IN NUMBERS

36K — 36K acres of Sri Lanka's existing mangrove forests mapped

1.2K — 1.2K acres of mangrove forests replanted

1.5K — 1.5K Community Based Organisations (CBOs) were created to place livelihood development and mangrove conservation in the hands of women living in marginalised coastal communities



UN-Habitat

Participatory Slum Upgrading Programme in Ga Mashie, Accra

Ghana

OUR IDEA

Over the last three decades, Ghana has experienced rapid urbanisation. As Ghana's total population more than doubled between 1984 and 2013, urban population growth outpaced rural population growth. The urban population more than tripled in this time, rising from under 4 million to nearly 14 million people. The Participatory Slum Upgrading Programme (PSUP) focuses on the biggest deprivations for slum communities: the lack of adequate and safe housing conditions, clean water supply, sanitation, and secure land tenure. The programme engages a wide range of stakeholders in the process of slum upgrading: local communities, national and local governments, financial partners as well as key stakeholders from non-governmental organisations (NGOs), community based organisations (CBOs), private sector, and academia.

OUR APPROACH

PSUP's approach involved improving mobility, waste management and local economic development. This included paved streets, drainage, water points, public bath houses and repaired sewerage networks, and hygiene facilities. The community involvement cut construction costs by half and created new skills. The Ga Mashie Development Agency (GAMADA) office which serves as a homework centre for children, a basketball court, boxing gym, and an open area for meetings, was refurbished to increase safety and social integration.

UN-Habitat has also provided the informal settlements, which are located in the Ga Mashie district, with facilities for handwashing, water tanks and standpipes, masks, and sanitisers to prevent the spread of COVID-19, financed by UN-Habitat's Emergency Fund and by the Swedish International Development Cooperation Agency (SIDA). PSUP gained the support of the government in the drafting of the National Slum Upgrading and Prevention Strategy, which will provide a platform to implement the Ghana National Urban Policy and Action Plan, and promote citywide slum upgrading and prevention strategies.



"We now have paved roads almost everywhere. Today, a newly built drainage and the repaired local sewerage network ensures that the streets are accessible all year round."

- Gabriel Nii Teiko Tagoe,
Chief Development Planning Officer of the Accra Metropolitan Authority (AMA) from the Ghanaian Government



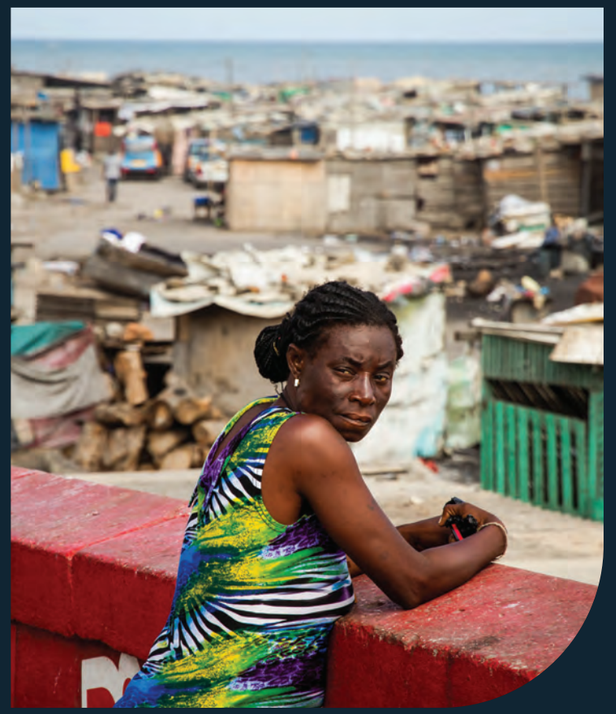
OUR PARTNERS

- Ga Mashie Development Agency (GAMADA)
- Accra Metropolitan Assembly (AMA)
- European Commission (EC)
- Organisation of AfricanCaribbean and Pacific States (OACPS)

OUR SDGs







IMPACT IN NUMBERS

1.5K

1.5K direct beneficiaries and over 4K indirect beneficiaries helped by the fund in various ways to improve upon business and socio-economic well-being of the community

800+

800+ community members supported with micro-credit (loans) by the community development fund

2

2 sixteen-cubicle bathroom facilities and a community toilet facility were refurbished with support from the fund

OUR EXPO 2020 EXPERIENCE

"The programme has gained visibility through Expo 2020 and has now become a case study that UN-Habitat will continue to replicate in other geographies. The city administration is invested in maintaining the success and interested in renovating dilapidated historic buildings and create better living spaces for residents. With these changes, this part of the former Gold Coast could once again attract tourists and open up entirely new opportunities."

Tamil Resources Conservation Trust

Ridge to Reef Conservation

Federated States of Micronesia

OUR IDEA

Micronesia is a collection of small islands, but its footprint spans almost 5% of the entire Pacific Ocean. Marine resources in the Federated States of Micronesia are threatened by habitat destruction and climate change, that can severely impact local communities. Both land and ocean play crucial roles in sustaining Micronesian livelihoods. More than 50% of Micronesian households rely on coastal fisheries as a source of income. Inspired by environmental stewardship approaches piloted by other Pacific Island communities, the Tamil Council of Chiefs on the island of Yap established the Tamil Resources Conservation Trust (TRCT) to promote Ridge-to-Reef (R2R) conservation based on traditional ecological management principles.

OUR APPROACH

Tamil Resources Conservation Trust (TRCT) is a community grassroots organisation established by the Tamil Council to manage all natural resources of the Tamil municipality and to support other communities in Yap State in managing their natural resources. TRCT set its purpose to effectively manage all of Tamil's natural resources by integrating traditional knowledge and practices, with modern scientific knowledge.

TRCT aims to engage the Tamil community and gain their full support through continuous community updates and engagements. Board members, appointed by and representing their respective villages, share updates that help determine the organisation's priorities along with consultation from the Tamil Council of Chiefs. The collaborative model between TRCT and the Tamil Council of Chiefs ensures each community's perspective is considered in the conservation decision-making process.

The identified priority areas are the community's land, marine, and freshwater/watershed areas. At sea, TRCT has established a comprehensive marine conservation plan, including a 1,683-hectare Marine Managed Area, in collaboration with international partners. On land, watershed-wide conservation projects, including a 130-hectare Watershed Protected Area, ensure the provision of clean water to more than half of Yap's population. A first-ever community nursery cultivates climate-resilient native species to prevent groundwater evaporation, reduce coastal erosion, and produce traditional food crops like taro. By encouraging agroforestry, the nursery initiative decreases reliance on vulnerable coastal fisheries for 848 families.

TRCT's work also promotes the empowerment of women as environmental stewards. TRCT is a leader in the Pacific, illustrating how interwoven traditional ecological knowledge and science can foster climate change mitigation and adaptation for future generations.





"We, the people of Tamil, mindful that our present practices are contributing to the depletion of our natural resources, both in the waters and on the land, have now decided to use the wisdom of our custom and tradition to conserve and manage the natural resources in our municipality in order to be able to provide for ourselves and our families in a sustainable manner and leave behind a healthy natural heritage for our children and future generations."

- Tamil Resources Conservation Trust, Tamil Municipality Marine Management Plan (2013)

OUR PARTNERS

- Global Environment Facility Small Grants Programme (GEF SGP)
- United States Forest Service (USFS)
- National Oceanic and Atmospheric Administration (NOAA)
- Yap Community Action Program (Yap CAP)
- The Nature Conservancy (TNC)
- Yap Marine Resources Management Division (MRMD)
- Yap State Environmental Protection Agency (EPA)

OUR SDGs





IMPACT IN NUMBERS

1.2K

1.2 K direct beneficiaries in 848 households in Tamil Municipality

2K

2K additional indirect beneficiaries from Tamil and neighbouring communities





The Buoyant Foundation Project at the University of Waterloo

Vulnerable in Vietnam

Vietnam

OUR IDEA

Flood season in Vietnam's Mekong Delta occurs every year from July to December, threatening farmers and the wetlands that provide 52% of the national rice production and 60% of the national fisheries output. As climate and weather patterns become more volatile, flood events in the Mekong River Basin have become more frequent, emphasising the need for flood resilient housing.

The Buoyant Foundation at the University of Waterloo's 'Amphibious Housing' is a flood mitigation strategy that leverages natural flooding cycles. Amphibious housing allows homes to rest on the ground in dry conditions and rise with floodwater during a flood, returning to their original position as the floodwater dissipates.

OUR APPROACH

As part of a Canadian-Vietnamese team, the Buoyant Foundation Project (BFP) worked alongside local experts and community members to retrofit four houses in Vietnam's Mekong Delta region. The amphibious retrofits serve as a supplementary system to the local practice of elevating houses on stilts developed as the traditional response to the annual flooding cycle that is inseparable from the geographic location. The traditional practice cannot easily adapt to the exaggerated flooding predicted to occur due to climate change. An amphibious retrofit is thus a means to provide flood resilience to the physical architecture and protect the possessions of these households as well as reduce traumatic disruptions to the local culture and economy of these communities.

These retrofits are effective, pre-emptive solutions to the dangers posed by annual flooding events to impoverished and vulnerable communities in the region. Amphibious retrofits can be adapted to suit various place-specific housing typologies and customised to the local and environmental context, so as not to disrupt the homeowner's way of life. BFP emphasises on working in harmony with the natural flow of water and with sensitivity to local cultural practices. They have implemented amphibious retrofits across 5 countries - Canada, Jamaica, Nicaragua, USA, and Vietnam, all with different geographies and flood risks, highlighting that this solution can be scaled up and replicated globally.

OUR PARTNERS

- Global Resilience Partnership (GRP)
- Z Zurich Foundation





"Resilience for me means helping a community prepare in advance for a hazardous event so that it doesn't become a disaster, and if there is damage or hardship they can recover much more quickly and resume their normal lives. I'm interested in reducing trauma and displacement because I saw so much of that after Hurricane Katrina in New Orleans, and it was personally very upsetting for me."

- Elizabeth C English. Ph.D., Founder and Director of the Buoyant Foundation Project, Professor at the University of Waterloo School of Architecture.

OUR SDGs





OUR EXPO 2020 EXPERIENCE

"The BFP aims to scale up the project across the Mekong Delta through training workshops and the implementation of several more amphibious retrofits. Expo 2020 itself was a helpful catalyst for advancing the work of the BFP: one of Dr. English's presentations resulted in an invitation to make a presentation about amphibious retrofit construction at the Bangladesh pavilion at Expo 2020. That interaction has developed into the start of a partnership for an amphibious project in rural Bangladesh. Another conversation at Expo 2020 has led the project in the direction of training and empowering women, expanding the outcomes of the project."













Social development

Reliable, affordable and appropriate healthcare, and education systems, and delivery

Alef Education

ayzh

Laboratoria

Sightsavers

Telefónica Foundation and
“la Caixa” Foundation

The Carter Center

The Citizens Foundation

United Nations
Development Programme (UNDP)

WaterAid Nepal











Alef Education

Personalised Learning in Schools

UAE

OUR IDEA

COVID-19 resulted in classrooms shifting from schools to online platforms. Even before the pandemic, there was high growth and adoption of education technology to leverage an increasingly digital world and prepare students for that reality. Responding to the increasing need for a technology-enabled education system, Alef was conceptualised in 2015 as a technology-enabled primary mode of education system to address the needs of the local public school system in the United Arab Emirates (UAE). Through their EdTech products, they aim to transform the traditional classroom into a 21st century learning approach and create personalised learning experiences that are adaptive, engaging, and impactful.

OUR APPROACH

Alef's vision is to design learning experiences that change the way the world is educated, while improving learning outcomes. Through their award-winning flagship product, the Alef Platform, they leverage the benefits of artificial intelligence and machine learning to provide relevant and meaningful insights. As a result, effective learning conversations are enabled and students receive support where they need it most. The learning environment within the Alef Platform allows students to learn from anywhere, at their own pace. Additionally, built-in artificial intelligence allows students to receive individualised instruction and gives them the choice in learning preference.

The company's vision has expanded from its roots in the UAE to include digital educational transformation within the Kindergarten-to-Grade12 sector globally. As of today, more than 670,000 students and 40,000 teachers benefit from Alef's products across the UAE, USA (New York & North Carolina) and Indonesia.





"Alef Education provides a holistic and modern approach to learning and teaching. As a teacher, we tend to always spend extra time looking for resources and content, but with Alef this time is saved as everything is provided within the platform. Therefore, I am able to focus more on my students' needs, especially those who are struggling or falling behind."

- Aliaa Al Shamsi,
Teacher, Al Hemma School, Abu Dhabi, UAE

OUR PARTNERS

- Amazon Web Services
- Google
- United Arab Emirates Ministry of Education
- Harlem Children's Zone
- Abu Dhabi Education Council (ADEC)
- Microsoft
- Etisalat Digital, MetaMetrics

OUR SDGs

4 QUALITY EDUCATION

10 REDUCED INEQUALITIES

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

670K+ — 670K+ K-12 students have access to our modern learning products and educational digital content

40K+ — 40K+ teachers utilise our products to instruct curriculum and deliver effective learning

400+ — 400+ schools in the UAE, USA, and Canada use Alef's innovative learnig platform

OUR EXPO 2020 EXPERIENCE

"Since becoming part of the Global Best Practices Programme we have formed many new connections and partnerships with governmental, private, and global sector organisations which directly align with our vision and mission. These partnerships will aid us in transforming the K-12 school systems with technology-enabled learning experiences that engage a more individualised sense of inquiry and empower the 21st century workforce. As part of the Global Best Practices Programme, it was an honour to see our work and its impact exhibited and displayed along with many other prestigious global projects and initiatives which have truly changed peoples' lives across the globe. The programme was excellently organised and the communication and collaboration were seamless and rewarding"

ayzh

Janma Clean Birth Kit

India

OUR IDEA

India has faced the burden of inadequate and poor-quality health services for a prolonged period.This has led to high mortality and morbidity, and unmeasurable adverse health outcomes among the vulnerable population groups. All women need access to antenatal care during pregnancy, skilled care during childbirth, and care and support in the weeks after childbirth.

All births should be assisted by skilled health professionals, as timely management and treatment can make the difference between life and death for both the mother and the baby. ayzh empowers local healthcare workers-the bedrock of the Indian healthcare system-by building their capacity to provide a clean, safe, and hygienic birth through trainings and affordable products.

OUR APPROACH

ayzh aims to expand the reach of their Child Birth Kits (CBK) in high priority settings by providing mothers and babies access to a clean and safe birth, targeting high priority regions that have historically been most difficult to access (e.g., tribal communities). New information around breastfeeding has been included in addition to exploring the use of interactive and mobile phone based learning tools to enhance access and improve the quality of training curriculum for healthcare workers.

Janma aims to rethink ways of empowering healthcare workers to improve care at the time of childbirth. By combining simple, easy to use tools with a novel training curriculum on best childbirth practices, the programme equips healthcare workers with the confidence, skills, and essential tools needed to provide a clean and safe birth regardless of facility conditions. Their approach also empowers healthcare workers to transfer knowledge of best maternal/new-born health practices to other healthcare workers, mothers and families for continuity of care post-delivery at home.

OUR PARTNERS

- Pfizer foundation





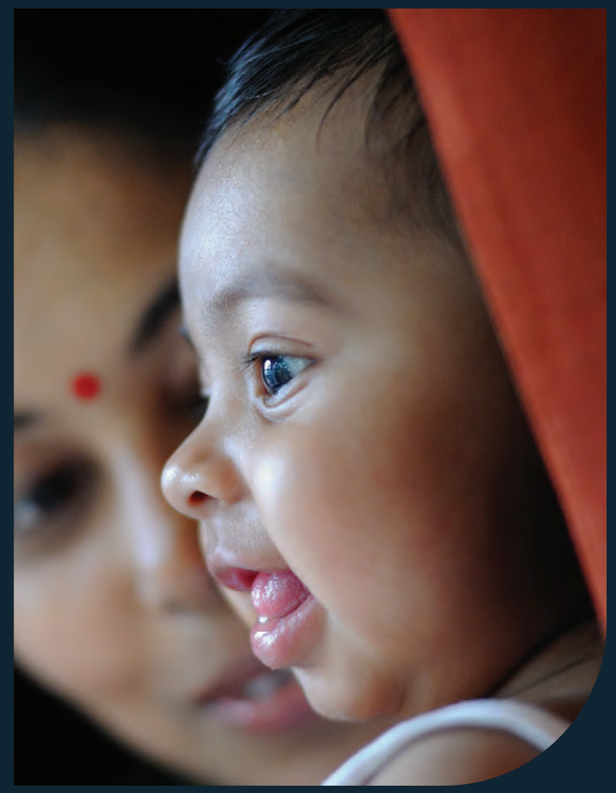
"I have been using this kit for over 2 years now. We are so thankful for receiving this as its completely sterile. It has all the required components. We use 1 kit per delivery. Women love the Jute bag and they can use it to store their items."

- Jaysee,
Nurse

OUR SDGs







IMPACT IN NUMBERS

1M

1 million + lives of mothers and babies have been saved in the decade since ayzh was launched

240K+

240K+ Child Birth Kits put out into the market by ayzh since their inception in 2010

400+

400+ healthcare workers trained to ensure proper implementation of ayzh's birth kits

OUR EXPO 2020 EXPERIENCE

"Since becoming a part of the Global Best Practice Programme, we have expanded our scope from maternal and new born health to menstrual hygiene management. As a result, we are now working on the entire spectrum of women's reproductive health."

Laboratoria

Laboratoria Bootcamp for Women

Peru

OUR IDEA

Latin America has a fast-growing digital economy. However, to advance at scale and transform economies to become knowledge-based and resilient, there is a need to ensure a stream of talent without compromising on gender equality in a traditionally male-dominated field. Laboratoria works to reverse the disadvantages women face to access quality jobs in the growing digital economy. They work with the vision of shaping a more equitable and competitive digital economy that opens opportunities for every woman to develop her potential and thus, transform Latin America's future. Beyond this, Laboratoria also seeks to contribute to wider conversations on innovative approaches to education, entry-level tech talent, diversity, and inclusion in the workplace, and inspire action on the same.

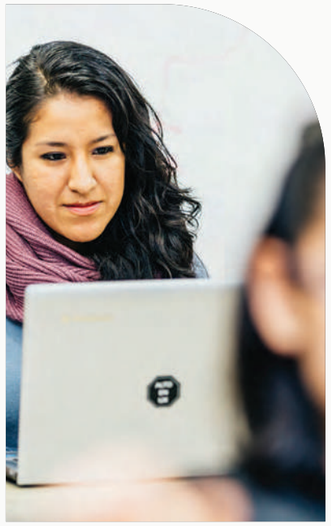
OUR APPROACH

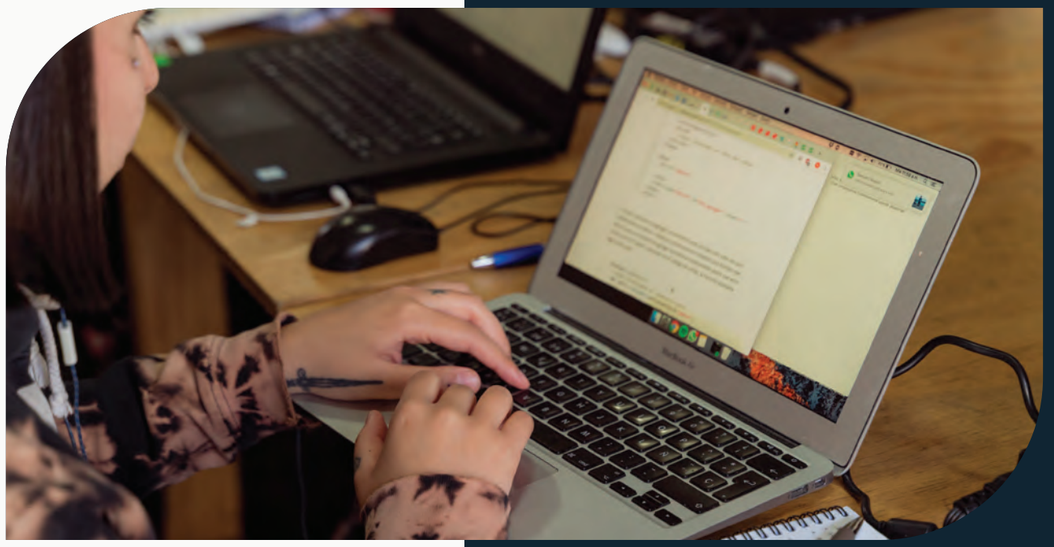
To empower women and help them access transformative careers in technology, Laboratoria provides an immersive bootcamp in technical skills and life skills for women. A majority of incoming students are women who were previously not part of the workforce. The programme is therefore designed to prepare them and help them secure quality, well-paid jobs in the digital economy and build successful careers. Laboratoria fosters a strong community of over 2,400 alumnae that support each other's growth as future leaders in the technology sector. Over 950 companies have hired talent from the bootcamp, and since 2018, the average placement rate has been 83%.

In 2020, with COVID-19 related lockdowns, the bootcamp was adapted to a fully remote, self-paced, and regionally integrated learning experience. The remote setting has expanded Laboratoria's reach to women in other geographies and led to the development of new programmes beyond their traditional bootcamp.

OUR PARTNERS

- Google.org
- United States Agency for
- International Development (USAID)
- Citi Foundation
- BlackRock
- Inter-American Development Bank (IDB)
- Peery Foundation
- MetLife Foundation
- Cisco
- JP Morgan
- International Business Machines Corporation (IBM)
- Lenovo





"When I think about who I was 5 years ago, it was a difficult time. I was not motivated and finding a quality job related to what I studied seemed impossible. Laboratoria was the push I needed. It seemed unbelievable at the time, that someone like me - a young woman from Mexico - could end up with a job at a top technology start-up in the US. And my story is just one among two thousand stories of transformation that have happened through Laboratoria. I can't wait to welcome many more girls and women into the wonderful world of STEM."

- Pilar Figueroa,
Software Engineer & Product Manager, Crowdbotics

OUR SDGs

4 QUALITY EDUCATION

5 GENDER EQUALITY

8 DECENT WORK AND ECONOMIC GROWTH





IMPACT IN NUMBERS

2.4K

2.4K trained as web-developers or UX-Designers

83%

83% of graduates start working in jobs in tech within 6 months of graduating (average since 2018)

2.7x

2.7x is the average salary increase post-bootcamp

OUR EXPO 2020 EXPERIENCE

"It was an absolute honour to represent Laboratoria at the Global Best Practice Programme and to meet individuals who are unwilling to postpone the work necessary to create a better future for today's generation and all the ones to come. Thank you for including these types of conversations in the agenda and for involving organisations from a variety of contexts and locations, and encouraging us to work together. It was inspiring to be able to get to know others, learn from each other and from the different experiences and visions for making the world more equitable."

Sightsavers

Fighting Neglected Tropical Diseases with Mobile Phones

Nigeria

OUR IDEA

Neglected tropical diseases (NTDs) are a major cause of preventable blindness and physical disability. NTDs affect more than a billion people worldwide and can cause severe and lifelong impairment. They are most prevalent in rural regions, poor urban areas, and conflict zones, and can be prevented, treated, and eliminated.

Sightsavers work to protect sight, prevent, and treat debilitating NTDs, and promote equal opportunities for disabled people. To this end, their digital health projects provide simple solutions to plug the huge data gap within the NTD world. The insights gathered from the robust data supports elimination programmes by identifying gaps and successes in over 30 countries globally, with a focus on Africa and Asia.

OUR APPROACH

Sightsavers' most successful digital health project was the Global Trachoma Mapping Project (GTMP) which is the largest infectious disease survey ever undertaken. Since then, they have developed the Tropical Data Collaboration- where health workers go door-to-door, often in remote and difficult environments, checking people's eyes for trachoma and recording the results on smartphones. This aids the Health Ministry staff in accessing fast, standardised, and reliable data in the fight to treat and eliminate the disease, in-line with the World Health Organization NTD Roadmap 2021-2030.

Additionally, Sightsavers is using smartphones to support better surgical outcomes for people with advanced trachoma (known as 'trachomatous trichiasis' or TT) across multiple countries. The TT Tracker, a smartphone-based app, helps health workers collect and analyse information about patients' operations. This helps locate patients that need follow-up visits and gives supervisors an up-to-date view of TT work and outcomes.

The TT Tracker has been expanded for use across Nigeria, Guinea, Benin, Senegal and will soon be launched in Guatemala as well. Sightsavers is also working with partners in Mozambique, Pakistan and Uganda to explore use of the app there - and has adapted versions of the tracker to support other NTD and eye health programmes.

OUR PARTNERS

- UK aid
- United States Agency for International Development (USAID)
- World Health Organization (WHO)
- London School of Hygiene and Tropical Medicine
- International Trachoma Initiative (ITI)
- The Queen Elizabeth Diamond Jubilee Trust
- Bill and Melinda Gates Foundation
- Children's Investment Fund Foundation (CIFF)
- ELMA Foundation
- Virgin Unite
- 30 Ministries of Health
- Governments in 45+ endemic countries

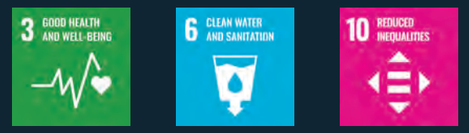




"I love [my job] because I can help my community resolve their eye problems. It's important to eliminate trachoma to rescue people [from becoming] blind."

- Alex Robert Siria,
43-year-old, Maasai Community Coordinator in Kilimanjaro region and Arusha, Tanzania.

OUR SDGs



IMPACT IN NUMBERS

10M

10 million people have had their eyes checked for trachoma since 2012, thanks to Tropical Data and the Global Trachoma Mapping Project

1

1 person is examined for trachoma every 26 seconds, as part of a population-based survey, owing to the Tropical Data and the Global Trachoma Mapping Project.

1B

1 billion treatments distributed by Sightsavers to prevent debilitating diseases





OUR EXPO 2020 EXPERIENCE

"We are thrilled to have our work on fighting NTDs with mobile phones featured in Expo 2020 Dubai's Global Best Practice Programme, alongside so many other amazing initiatives. We are grateful for this opportunity that will help position our work as a top 50 Global Best Practice, and has brought us closer together with our partners and funders in the UAE."

Telefónica Foundation and “la Caixa” Foundation

ProFuturo

Spain

OUR IDEA

The World Economic Forum estimates that closing the global skills gap could add $11.5 trillion USD to the global GDP by 2028. Education and training systems need to keep pace with the new demands of labour markets that are continually challenged by technological disruption, demographic change, and the evolving nature of work. Two major Spanish institutions – the Telefónica Foundation and “la Caixa” Foundation - decided in 2016, to join forces and their expertise in the world of education, and created ProFuturo, to ensure that all children have the same opportunities, regardless of where they are born. They work in vulnerable environments where socio-economic development rates are low, in remote areas, in territories with low schooling rates, and in places where ethnic, religious or ideological discrimination is taking place. Through an innovative digital teaching-learning experience, ProFuturo enhances the development of digital skills that enable teachers, students, and school principals to meet the challenges of the 21st century.

OUR APPROACH

In line with Goal 4 of the United Nations’ 2030 Sustainable Development Agenda (SDG4), ProFuturo aims to improve the education of millions of children through technology, becoming a global reference for transformation and innovation in education. To achieve this, ProFuturo relies on high quality digital educational resources, innovative teaching-learning methodologies, and teacher trainings as the pillars of education.

The digital platform provides access to curated educational resources that allows incorporating third-party content which can better adapt to the local learning context. In addition, ProFuturo aims to solve the problem of lack of internet access by mainly working off-line, allowing universal access to the resources.

With three different intervention models, ProFuturo tailors its programmes to reach children in vulnerable environments where socio-economic development rates are low; remote areas; territories with low schooling rates; and places where ethnic, religious or ideological discrimination are a barrier to accessing education. In addition, the programme also operates in areas of conflict, where it works directly with refugee or migrant children.

OUR PARTNERS

- United Nations High Commissioner for Refugees (UNHCR)
- Save the Children
- Empieza Por Educar (ExE)
- African Union
- Organización de Estados Iberoamericanos (OEI)
- Organization of American States (OAS)
- Entreculturas
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- World Vision



“The ProFuturo programme has been a very positive contribution and has given us a lot of freedom. We can combine our knowledge with the platform materials and we have gained autonomy to develop differentiated classes and contents, adapted to our language, our history and our people. With ProFuturo, we have obtained a platform to store our classes, something fundamental. Much of the traditional knowledge of indigenous education is passed down from one generation to the next. Many of our living libraries are no longer with us, we have lost so much. However, now, thanks to the platform, we can archive everything for future use.”

- Raimundo,
Kanata T-Ykua Municipal Indigenous School, Brazil

OUR SDGs





IMPACT IN NUMBERS

40

40 countries in Latin America, the Caribbean, Africa, and Asia reached

915K

915K teachers trained through ProFuturo’s digital education programme

19.7M

19.7 million children benefitted from ProFuturo’s digital education programme in Latin America, the Caribbean, Africa, and Asia



The Carter Center

Mental Health in Liberia

Liberia

OUR IDEA

The psychological impact of more than a decade of civil conflict in Liberia, which ended in 2003, has contributed to a mental health crisis that has been intensified by misconceptions, stigma, and the resulting discrimination. Since 2010, building on nearly two decades of fostering peace and democracy in Liberia, the Carter Center's Mental Health Programme has worked to help create a sustainable mental health system in the country. The initiative has focused on training a mental health workforce, supporting the passage of a national mental health law, assisting Liberia's Ministry of Health in implementing the National Mental Health Policy and Plan, reducing stigma, and empowering family caregivers. The programme is guided by the Carter Center's belief that access to health is a human right and that mental health is necessary for overall health.

OUR APPROACH

Carter Center's Global Behavioural Health Initiative is actively engaged in the global mental health revolution, a collective effort to decrease stigma, promote prevention and early intervention, and improve access to mental health services and support. This work enables low- and middle-income countries, such as Liberia, to enhance overall health, reduce inequities, and achieve the United Nations' SDGs. Activities in Liberia focused on workforce sustainability, human rights and inclusion, and law and policy support to the programme's strategic goals.

The Liberia Mental Health Programme has scaled in the past two years to meet the national need and urgency to improve policies, engage mental health consumers in solutions, increase the workforce for mental health, and make the case for increasing funding and investment in mental health. The programme has also adapted to the growing mental health needs caused or exacerbated by the COVID-19 pandemic, and has been instrumental in working with partners to better integrate mental health in crisis preparedness and response.

OUR PARTNERS

- Liberia Ministry of Health
- World Health Organization (WHO)
- Grand Challenges Canada (GCC)
- National Institute for Health Research (NIHR)
- UK aid
- Coalition for Operational Research on Neglected Tropical Diseases (COR-NTD)
- Grand Challenges Africa (GCA)
- Open Society Foundations
- Accenture
- United for Global Mental Health
- Ms. Abigail E. Disney & Mr. Pierre N. Hauser
- Moore Philanthropy
- O. Dixon Charitable Trust
- Stanard Family Foundation
- Wilson Family Foundation



"I often need to work with (parents) to help them understand why their child is behaving a certain way, or to explain how they can help with their child's care."

- Leah D.T. Sorboh,
W.V.S. Tubman High School in Monrovia, Liberia



OUR SDGs

3 GOOD HEALTH AND WELL-BEING

10 REDUCED INEQUALITIES

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

360+

360+ clinicians have graduated from the intensive mental health training programme

15

15 of Liberia's counties are served by these accredited clinicians in all sectors of health service delivery

140

140 of the clinicians specialise in treating children or adolescents

OUR EXPO 2020 EXPERIENCE

"Thank you for including The Carter Center's Mental Health Programme in Liberia!"

The Citizens Foundation

Creating Agents of Positive Change

Pakistan

OUR IDEA

Pakistan has the fifth largest population in the world and the second largest out-of-school population with 23 million out-of-school children between ages 5-16. The Citizens Foundation (TCF) is a professionally managed non-profit that builds and operates schools in Pakistan's most neglected rural and slum communities where they identify children, especially girls out of school. TCF's model is designed to overcome the systemic challenges of delivering quality education in Pakistan: the lack of school buildings, un-inspiring classroom environments, poor management, high teacher absenteeism, unqualified teachers, sceptical parents, and resistance to girls' education. It also focuses on a high quality of education to enable holistic student development and uplifting and empowering communities around their schools for sustainable impact.

OUR APPROACH

Students coming to TCF schools are often the first in their communities to have access to an education. TCF schools have playgrounds, science labs, computer labs, and libraries, overcoming the narrative of 'poor schools to poor students'. Unlike a traditional Pakistani school, TCF's new model for education enables children to develop strong language and communications skills as well as an ability to think independently. The model is designed to be low-cost, contextualised to a low-income area, and scalable across a variety of settings.

The school infrastructure is also leveraged to benefit communities, through an award-winning female adult literacy program, clean drinking water plants, and a vocational training program. They have reached nearly 50% female enrolment by employing only female teachers, and building and operating schools in the heart of communities within walking distance for children.

TCF also offers mentoring and career counselling in secondary school to help graduates transition to university. Support during the application process helps ensure that students secure scholarships to pursue further education. TCF is scaling its impact by partnering with the government to run 356 public schools through a public-private partnership for education. TCF has brokered 6 diverse public-private partnerships and has a unit dedicated to transferring TCF's academic model to government schools.



"My duty is more important than my gender. Women are as important in my field as in any other. It is only a matter of giving our girls the opportunity to learn so that they can take their place in society and make our world a better place."

- Iram Jabeen,
Junior Patrol Officer of the National Highways and Motorway Police, studied at a TCF School in Punjab, Pakistan.



OUR SDGs







IMPACT IN NUMBERS

1.7K

1.7K schools run by TCF in 62 districts across Pakistan where children were previously out-of-school.

12.9K

12.9K all-female faculty including teachers and principals, making TCF the largest private employer of women in Pakistan. Nearly half (48%) of TCF students are girls

275K

275K students learning with TCF in 2022. 88% of TCF alumni have gone to college and 71% are employed

United Nations Development Programme (UNDP)

SDG Camps

Tunisia

OUR IDEA

With the adoption of Agenda 2030 in September 2015, the need to rally all stakeholders around it became crucial. One of the main stakeholders is youth. According to the National Institute of Statistics (2014), 24.5% of Tunisia's population is aged between 15-29 making it an important and active segment of Tunisian society. Out of the United Nations Development Programme's (UNDP) belief in the imperative role played by youth in building both today and tomorrow, came the idea of organising SDG camps. These camps were created with the aim of supporting young changemakers locally and nationally, and uses a dynamic platform to help them gain opportunities, build networks, and get the support and mentorship required to make their vision a reality.

OUR APPROACH

Since 2016, different segments of the United Nations have been organising "SDG Camps". These camps are a series of social innovation workshops that aim to educate and engage young people from all over Tunisia to help achieve the SDGs. This event is designed for young people aged 19-29 to encourage their commitment to achieving the Global Goals by 2030. The outcome of these camps is to create concrete "solutions" that youth themselves can implement and monitor. The solutions usually respond to the five key themes of Agenda 2030, namely: Planet, People, Partnership, Peace, Prosperity. At the end of each SDG Camp, one solution is identified that gets further support from a Youth Advisory Panel and other UN agencies through coaching, mentoring and incubation.





"I never thought that from a simple registration in a workshop, I will live such a remarkable experience and pitch in front of an international jury."

- Amal Mohamed,
26-year-old, SDG camp participant, Tunisia.

OUR PARTNERS

- Multiple United Nations agencies
- National Youth Observatory
- Junior Chamber International (JCI)
- Youth Serving organizations
- Arab Youth Center



OUR SDGs

4 QUALITY EDUCATION

8 DECENT WORK AND ECONOMIC GROWTH

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

5.5K

5.5K young Tunisian participants at the camps

49%

49% of the participants at the SDG Camps are women

20%

20% of participants launched their solution as a start-up

OUR EXPO 2020 EXPERIENCE

"Our project is in a transition phase, trying to scale up and export the model to other countries, principally in other African countries. By attending the different presentations at Expo 2020's Global Best Practices Programme Assembly (GBPPA), we figured out the environment of some African countries. At the GBPPA, we created links with other projects' presenters to duplicate the initiative in other countries and test the feasibility of its methodology. Furthermore, that helped us to know more about organisations and their work catering to youth and education for further cross-pollination of ideas."

WaterAid Nepal

Hygiene Promotion through Routine Immunisation Programme

Nepal

OUR IDEA

Good hygiene practices are essential to a healthy life. However, changing habits, particularly in remote communities, can be challenging. WaterAid Nepal builds on Nepal's effective routine immunisation programme, where new mothers take their babies to an immunisation clinic at least five times in the first few months of a child's life. Working with the Ministry of Health and Population, WaterAid Nepal trains female community health volunteers to facilitate hygiene sessions at these immunisation clinics, using simple intervention tools to encourage good hygiene behaviour and improve the health of children and families.

OUR APPROACH

WaterAid Nepal and the Government of Nepal are addressing water, sanitation, and hygiene provision through strengthening coordination efforts with different stakeholders to create synergies and ensure sustainability. The project involves WaterAid's hygiene behaviour change approach i.e. Behaviour Centred Design – BCD (ABCDE steps) to scientifically design, implement and evaluate change in sanitation practices.

WaterAid Nepal conducted formative research to understand the behavioural determinants, motives, barriers, and socio-cultural variability among their target population. The hygiene promotion intervention package includes a mix of innovative, creative, simple-to-use promotion and demonstration aids, games, stories, handwashing rituals, competitions, commitment-making, and certification for mothers/guardians who have completed the immunisation regime.

The Nepal Ministry of Health and Population is leading the project, with financial and technical support from WaterAid Nepal. The first of its kind, if successful, it has the potential to be rolled out not just nationally, but worldwide – helping to save thousands of children's lives and to keep them and their families healthy.





"I have been working as a Female Community Health Volunteer for 20 years. My main duty is to raise health awareness among children under five and pregnant women. I also advise mothers about their environment, hygiene, and health. Diseases like pneumonia, malnutrition and diarrhoea are very common in our village. I feel great serving children and pregnant women in the community. We are improving, but there are challenges as well."

- Swala,
Female Community Health Volunteer in Jajarkot, Nepal

OUR PARTNERS

- Ministry of Health and Population - Child Health Division (MoHP-CHD), Nepal
- World Health Organization (WHO)
- United Nations Children's Fund (UNICEF)
- United States Agency for International Development (USAID)
- Rotavirus Accelerated Vaccine Introduction Network (RAVIN)

OUR SDGs

3 GOOD HEALTH AND WELL-BEING

6 CLEAN WATER AND SANITATION

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

35K — 35K guardians or new mothers reached each year between 2017 and 2019 through WaterAid's intervention

2.2K — 2.2K Female Community Health Volunteer and health staff involved in the implementation of the project in February 2016 through 900 static immunisation clinics in four districts

241K+ — 241k + lives transfirmed by Water Aid Nepal through hygiene promotion

OUR EXPO 2020 EXPERIENCE

"Our project is attempting to scale up and export the model to other countries, principally in other African countries. The different presentations at Expo 2020's Global Best Practices Programme Assembly (GBPPA) and conversations with representatives from other best practices provided us with greater insights on the environment of a few African countries. Relationships established with other projects' presenters have led to conversations that may aid our scaling process. Furthermore, the event helped us learn about organisations that cater to youth and work on education, facilitating greater cross-pollination of ideas."











Water, food, and energy security

Smarter consumption and resource management to better meet increasing water, food, and energy requirements for a growing global population.

Bangladesh Environment and Development Society (BEDS)

Edible Garden City

FUNDECOR

Petroleum Development Oman and BAUER Resources

UpTrade

SafetyNet Technologies

Seychelles Conservation and Climate Adaptation Trust (SeyCCAT)

World Food Programme (WFP)

Ya'axché Conservation Trust











Bangladesh Environment and Development Society (BEDS)

Eco-Village

Bangladesh

OUR IDEA

Combatting global rising temperatures and the impact of climate change will require collective action and a shift in perspective of how humans inhabit the planet - from harm towards harmony. Bangladesh Environment and Development Society (BEDS) promotes the concept of ecological balance to create that harmony between humans and nature through an Eco-Village in the Sundarbans coastal region of Bangladesh. The Sundarbans are home to the largest mangrove forest in the world, whose ecosystem safeguards and provides livelihood support to 3.5 million coastal residents, and is in the frontlines of global climate change due to its geographic location. Through green-housing, education, and business initiatives, the Eco-Village highlights major complex, social, and environmental problems such as poverty, lack of drinking water, electricity and cooking fuel, riverbank erosion, disaster risk reduction, mangrove ecosystem conservation, and gender inequality.

OUR APPROACH

The BEDS Eco-Village is a nature-based and cost-effective solution to address regional, social, and environmental problems. The Eco-Village introduces technologies that provide 3,000 families with climate-adaptive housing which receive electricity from solar facilities and safe drinking water from the SPSFs (solar, pond, sand, filter) and reverse osmosis system. More than 135,000 mangrove trees have been planted to protect the embankment.

Local villagers use the infrastructure and facilities for environment focused social businesses that help ensure the sustainability of the project by creating a harmonious ecosystem for economic development and conservation. Climate adaptive livelihoods are encouraged through natural resource management support such as wild honey marketing, mangrove pickle making, handicraft making, tour guiding activities, livestock raring, crab fattening, and environment friendly fishing and farming. These initiatives empower the Sundarbans' coastal community with avenues for sustainable development that reap social, environmental, and economic benefits.

OUR PARTNERS

- Japan Environmental Education Forum (JEEF)
- Korea Green Foundation (KGF)
- Give2Asia
- Global Nature Fund (GNF)
- United Mission for Relief and Development (UMR)





"Every day we are getting safe drinking water and electricity for our family which has reduced water borne diseases, time for water collection and our children are able to read at night as well as scope of income has also been created by establishing mangrove nursery, integrated farming, eco-tourism, etc. So Eco village is a model for local people which ensures a better home for better life."

- Ms. Shadona Roy,
Beneficiary

OUR SDGs

13 CLIMATE ACTION

6 CLEAN WATER AND SANITATION

14 LIFE BELOW WATER





IMPACT IN NUMBERS

4.6K

4.6K beneficiaries in the Sundarbans coastal region are getting 12,000 litres /day safe drinking water through an improved local water purifying technology

2.8K

2.8K solar lamps, 1.7K solar panels and 504 solar home systems have been provided to 3K families

17

17 villages have been electrified with renewable energy through the installation of 11.2 kW/hour and 7.5 kW/hour solar stations at public institutions

OUR EXPO 2020 EXPERIENCE

"Expo 2020 served as a global platform to showcase our local initiatives and highlight a conducive model to enable conservation with community engagement."

Edible Garden City

Citizen Farm

Singapore

OUR IDEA

Singapore has always been known as a “Garden City” with streets lined by trees. Several studies have demonstrated that the presence of trees and greenery in urban spaces can improve people's mental and physical health, children's attention and test scores, the property values in a neighbourhood, and beyond. Edible Garden City (EGC) is a social enterprise that is dedicated to creating social change through community-centric agriculture, with the common goal of helping cities become more self-sufficient. They empower home gardeners and promote urban farming in Singapore by building edible gardens or “Foodscaping”. EGC also champions the "Grow Your Own Food" movement in cities around the world, beginning with Singapore.

OUR APPROACH

EGC’s grounding philosophy is that growing food connects people with nature and cultivates a sense of community. Through edible landscaping, or foodscaping, EGC has activated more than 260 under-utilised areas in schools, homes and businesses into green community spaces. Their closed-loop farming model produces fresh, tasty and nutritious microgreens, herbs, flowers, and vegetables for both professional chefs and home cooks.

Additionally, EGC teaches and supports fellow farmers and gardeners, hires from marginalised communities, and employs therapeutic horticulture. They design and conduct farming workshops for companies and schools in addition to creating and running farming curriculum in schools that benefit educators and students. Through this solution, EGC is committed to finding a sustainable solution to managing food waste and achieving greater food resilience in Singapore.



“It was a pleasant experience with interactions that felt natural and organic, and I think participants genuinely enjoyed themselves and hope to join more of such activities.”

- Man Wei,
SayurStory, Singaporean non-profit organisation



OUR SDGs



IMPACT IN NUMBERS

70

70 restaurants are supplied freshly grown produce every week

9

9 adults with autism are currently employed in agricultural roles

25K

25K+ participants educated on urban farming and home gardening





OUR EXPO 2020 EXPERIENCE

“Becoming a part of the Global Best Practice Programme, has reinforced that we are heading in the right direction, of social-centric agriculture. At the Expo 2020 Dubai we had the opportunity to meet with and potentially partner with different organisations and governments.”

FUNDECOR

Agua Tica

Costa Rica

OUR IDEA

Grande and Virilla are two sub-watersheds in Costa Rica that together form the Grand Tarcoles River within whose watershed lives 57% of the nation's population and houses the nation's industrial centre. They face persistent water stress primarily due to high population growth, poor urban planning, and changing land uses. Agua Tica is the first public-private water fund in Costa Rica that has implemented a Nature-Based Solutions (NBS) investment portfolio, that includes activities like forest protection, reforestation, natural regeneration, agricultural good practices, and environmental education, among others to enhance water security.

OUR APPROACH

FUNDECOR is an environmental non-governmental organisation that seeks to promote Integrated Landscape Management in Costa Rica. Based on good science, the fund joins forces with, supports, and prioritises public-private projects to efficiently invest its water conservation resources. Through a series of investments, partners contribute technical knowledge and economic resources to a fund administered through transparent financial mechanisms — an endowment, in this case. These resources are invested in conservation activities in the upper and middle parts of the watershed in order to promote urban water security.

The Water Security approach integrates environmental, domestic, economic, urban, and natural hazard resilience factors, ensuring ecosystem integrity. Following an innovative, long-term conservation model that operates by applying scientific methods, it identifies conservation needs within a specified area. Agua Tica predicts where to implement activities such as the protection of recharge zones and forest cover. In addition, they identify areas for restoration activities and sites for the implementation of good agricultural and livestock practices in order to find the most environmentally, socially, and economically beneficial outcomes.





"Being part of the Agua Tica (FUNDECOR-TNC- Coca Cola) water replenishment project has allowed CODECE to have more resources to be able to work on the farms where we have water sources and forests that help us with water infiltration."

- Meylin Chamorro -
CODECE

OUR PARTNERS

- Ministry of Environment and Energy (MINAE), Costa Rica
- Vice Ministry of Water and Seas (VMAM), Costa Rica
- Water Directorate, Costa Rica
- Empresa de Servicios Públicos de Heredia (ESPH)
- Unión de Asociaciones Griegas por et Ambiente y la Salud (UNAGUAS)
- The Nature Conservancy (TNC) CRUSA Foundation
- BLP Abogados
- Coca Cola-FEMSA
- Coca Cola
- Florida Bebidas (FIFCO)
- Banco Nacional (BN), Costa Rica
- Universidad Nacional de Costa Rica.

OUR SDGs





IMPACT IN NUMBERS

607+
607+ hectares of forest protected in recharging areas

613K+
613K+ cubic meters replenished per year for more than a 7-year period

10K+
10K+ direct beneficiaries from Agua Tica Projects, and more than 1.9 million indirect beneficiaries in the Great Metropolitan Area in Costa Rica



OUR EXPO 2020 EXPERIENCE

"Being awarded by the Global Best Practice Programme and being chosen in the category of Water, Food, and Energy Security, has helped us to better position Agua Tica nationally and internationally. This has allowed us to project ourselves and serve as a reference to other latitudes and other countries that also have water funds and that could replicate our experiences."

Petroleum Development Oman and BAUER Nimr

The Nimr Water Treatment Plant (NWTP)

Oman

OUR IDEA

The Nimr Water Treatment Plant was initially designed to treat 45,000 m3/d, which is less than a fifth of the daily volume of produced water generated by the oilfield. It started as a design-build-own-operate (DBOO) project under a 20-year operation and maintenance contract. This is a unique model, for which BAUER designed and built a wetland facility and is now operating it successfully for more than 10 years. Shortly after the initial operation of the plant, the water quantities were increased to 95,000 m3/d. In 2018, the construction of the third expansion phase commenced and was completed to ensure water flow in May 2019 at a maximum capacity of 175,000 m3/d, which is the capacity of the system today. BAUER has taken full liability for managing the water from the oil and gas producer for another 25 years from the operational date in 2019. The Nimr Water Treatment project is reducing the environmental footprint by an unexpected scale by creating a green oasis in the desert, leading to decarbonisation, providing in-country value, creating jobs for local communities, thus delivering a sustainable way of handling produced water.

OUR APPROACH

The Nimr Water Treatment Plant was initially designed to treat 45,000 m3/d, which is less than a fifth of the daily volume of produced water generated by the oilfield. It started as a design-build-own-operate (DBOO) project under a 20-year operation and maintenance contract. This is a unique model, for which BAUER designed and built a wetland facility and is now operating it successfully for more than 10 years. Shortly after the initial operation of the plant, the water quantities were increased to 95,000 m3/d. In 2018, the construction of the third expansion phase commenced and was completed to ensure water flow in May 2019 at a maximum capacity of 175,000 m3/d, which is the capacity of the system today. BAUER has taken full liability for managing the water from the oil and gas producer for another 25 years from the operational date in 2019. The Nimr Water Treatment project is reducing the environmental footprint by an unexpected scale by creating a green oasis in the desert, leading to decarbonisation, providing in-country value, and creating jobs for local communities, thus delivering a sustainable way of handling produced water.





“BAUER Nimr water treatment project is based on a nature-based solution that is inherently carbon neutral. It can effectively convert hydrocarbon contaminated water into clean recyclable water, plant biomass and a nutrient-rich organic soil improver, all without consuming any electricity or chemicals, while supporting the establishment of new habitat, enhancing biodiversity and climate resilience.”

- Imran Shaikh,
Business Development Manager, BAUER Emirates Environment.

OUR PARTNERS

- Deutsche Investitions- und Entwicklungsgesellschaft (DEG)

OUR SDGs

6 CLEAN WATER AND SANITATION

13 CLIMATE ACTION

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

900 — 900 barrels of crude oil recovered each day

500 — 500 MWh of energy saved each day

200K — 200K tonnes of carbon emissions reduced per year.

OUR EXPO 2020 EXPERIENCE

“We believe our nomination at Expo 2020 Global Best Practice Programme has supported us to share our project with many other oil and gas stakeholders and eventually can lead us to implement our technology in different oil and gas producingcountries. We are delighted to have participated in the Global Best Practice Programme and share our project with people who were not aware of the technology or project.”

UpTrade

Goats for Water

Pakistan

OUR IDEA

In Pakistan, remote rural communities lack access to energy and clean water and are isolated from the mainstream cash-based economy. A World Bank report estimates that almost 40% of the country's rural population lives without access to the electricity grid. While Pakistan's small farmers and the landless poor are rich in livestock—primarily goats—selling off parts of their herds does not yield enough to purchase a solar water pump. UpTrade aims to bring economic and social prosperity to off-grid, rural communities by increasing livelihood, while improving the quality of life for women and girls through easy access to clean water, energy, and farming inputs. Goats for Water is UpTrade's innovative bartering model through which off-grid, water stressed rural communities purchase solar water pumps using their livestock as currency.

OUR APPROACH

UpTrade's Goats for Water initiative aims to improve the lives and economic marginalisation of vulnerable communities in Pakistan. It offers an innovative yet simple solution to water and electricity challenges: exchanging livestock for solar water pumps and other solar devices for lighting, communication, and cooling. UpTrade's technical team and product partners design, install, and maintain solar based pumping solutions based on the specific water requirements of each community, hydraulic profile of the area, and the capacity to pay.

UpTrade forms a three-party agreement with communities and an energy partner that supplies, installs, and maintains the water pumps. UpTrade vets the animals and sells its retail brand, Goats for Water Meat, directly to customers, meat companies, restaurants, and large stores via its electronic livestock market platform. Certain assets such as solar water pumps are community-owned and the company now also works at the household level to sell solar home systems (lights, fan, and charging capability).This model works particularly during Eid when goats are in high demand. This enables access to clean water and off-grid electricity in low-income, water-stressed communities, bringing about economic and social prosperity.



OUR SDGs





"In the past, these communities were always waiting for someone from the outside like an NGO, a charity, or the government to provide for their big infrastructure needs. Now they have the means to meet these needs themselves, which is self-reliance. And that to me is the biggest impact."

- Fariel Salahuddin,
Founder and CEO, UpTrade



IMPACT IN NUMBERS

17K+

17K+ people benefitted through UpTrade's initiative

$200

$200 increase in household income

240+

240+ farming households impacted by UpTrade's initiatives in Pakistan and Somalia



SafetyNet Technologies

PISCES

United Kingdom

OUR IDEA

Currently, about 1 out of every 10 fish caught is not the target species for harvesting. Globally, this leads to more than 9 million tonnes of fish wasted every year and 20% wasted space on vessels. This leads to great environmental, economic, and ecological costs as coastal communities suffer, and the demand in food supply is not being met.

SafetyNet Technologies' primary goal is to design and build tools to increase the selectivity of commercial fishing practices, making the industry sustainable. This helps fishermen catch the right fish, saving fish, helping fishermen, and protecting an increasingly essential food source now and for the future.

OUR APPROACH

SafetyNet's Precision Fishing technologies are aimed at reducing waste in the fishing sector, retaining biodiversity, and safeguarding income and food streams for populations of all demographic backgrounds. Pisces, with their easy- to- use and affordable light- emitting device attracts the size and species of fish that operators are licensed to catch, while repelling non-target species. It offers the sector the potential to lower bycatch by 90% and improve fishing revenues by up to 20%.

By catching more selectively, fishers can increase their profits (measured by their increase in revenues and operational efficiencies), while helping them avoid fines and comply with increased regulations. This results in enhanced livelihoods of fishers and their coastal communities whilst also protecting biodiversity. Besides Pisces, SafetyNet Technologies are also addressing Precision Fishing with a suite of new products in development.

OUR PARTNERS

- Alaska Ocean Cluster
- Expo Live
- 1851 Design Fellowship
- EIT Rising Food Stars
- Schmidt Marine Technology Partners
- Indexing
- MIT Solve
- Department for International Trade
- Sintef
- AZTI
- National Institute of Aquatic Resources, Technical University of Denmark (DTU Aqua)
- Marine Scotland Science
- Centre for Environment, Fisheries and Aquaculture Science (Cefas),
- Marport France SAS
- Heriot-Watt University
- Cisco Systems
- Orkney Fisheries Organisation
- Ian Wightman (f/v Eilidh Anne)
- Moray Seafoods
- Young's Seafoods
- Darren McClements (f/v Golden Ray)
- Sandy West (Virtuous)
- Marks &Spencer (M&S)
- Vericatch



"SafetyNet Technologies enabled fishers and scientists to work together and test new devices that could have a major impact on one of the largest environmental problems - unwanted bycatch in fisheries. Their generous approach unlocked innovators in the industry to test the equipment with input from my team and resulted in a scientifically peer reviewed publication which showed the potential of using light to manipulate fish behaviour and reduce bycatch."

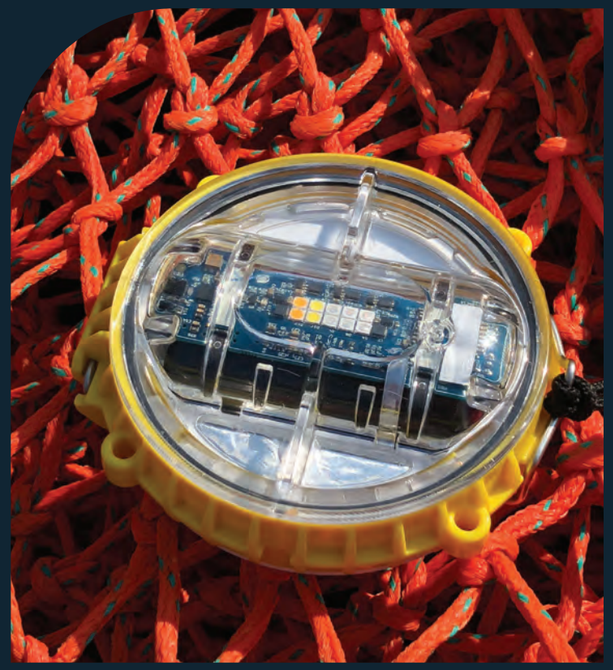
- Michel Kaiser,
Professor of Fisheries Conservation, Heriot-Watt University

OUR SDGs

8 DECENT WORK AND ECONOMIC GROWTH

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

14 LIFE BELOW WATER



IMPACT IN NUMBERS

33

33 Precision Fishing projects conducted or participated in

42

42 partners collaborated with SafetyNet Technologies

11

11 countries reached through our work



OUR EXPO 2020 EXPERIENCE

"The Global Best Practices Programme (GBPP) has given us the opportunity to display our product. This, in turn, has provided exposure to some funding bodies and investors, as well as interest from fishing and ocean organisations from several countries around the world. Because of Expo 2020 Dubai, we've also received several media requests from large media organisations to expand our reach (i.e. CNN, BBC)."

Seychelles Conservation and Climate Adaptation Trust (SeyCCAT)

The World's First Sovereign Blue Bond

Seychelles

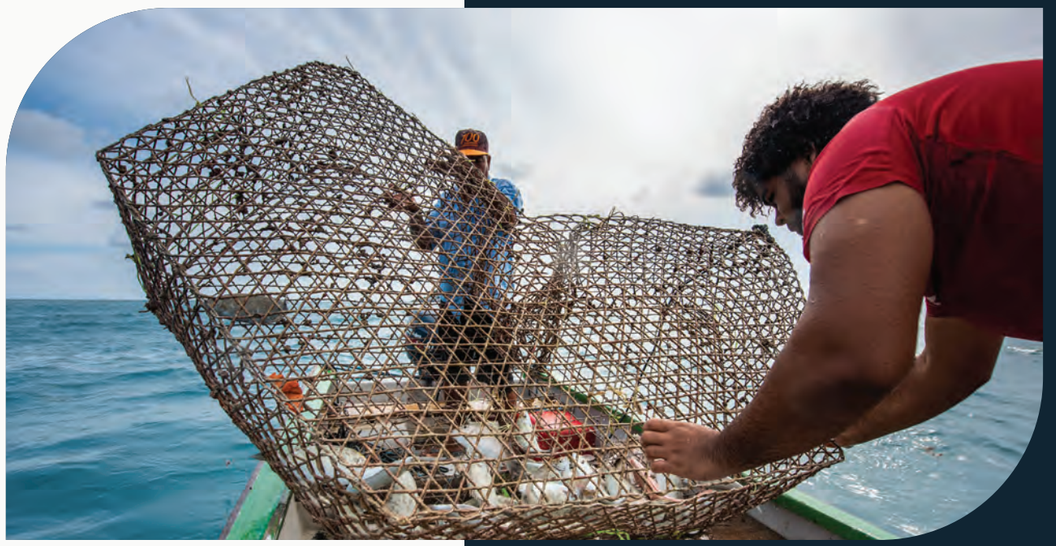
OUR IDEA

Coral reefs support 25% of all marine species and hundreds of millions of people rely on them for their livelihoods, nutrition, and socioeconomic well-being; but almost half have been lost due to warmer seas. Seychelles is an archipelagic nation consisting of 115 granite and coral islands. As one of the world's biodiversity hotspots, Seychelles is balancing the need to both develop economically and protect its natural endowment. Business as usual approaches fail to address the impacts of economic activity on marine ecosystems, resulting in wider socioeconomic impacts as well as declining profitability. Seychelles Conservation and Climate Adaptation Trust (SeyCCAT), an independent trust, envisions for Seychelles' ocean and islands to be stewarded by the people of Seychelles, generating sustainable benefits for future generations to share. To this end, they strategically invest in ocean stakeholders to generate new learning, bold action, and sustainable blue prosperity in Seychelles.

OUR APPROACH

Marine resources are critical to the Seychelles' economic growth. After tourism, the fisheries sector is the country's most important industry, contributing significantly to the annual GDP and employing 17% of the population. Fish products make up around 95% of the total value of domestic exports. SeyCCAT envisions for Seychelles' ocean and islands to be stewarded by the people of Seychelles, generating sustainable benefits for future generations to share.

SeyCCAT supports Seychelles with 'The World's First Sovereign Blue Bond', helping fund marine protection, fishery management, and other projects that safeguard its vital ocean economy while promoting sustainable practices. Grants and loans for these individual projects are channelled through the Blue Grants Fund (BGF) and Blue Investment Fund, both managed by SeyCCAT. BGF is a part of the Seychelles' Blue Finance approach and is financed from the proceeds of the world's first sovereign Blue Bond and Debt-for-Nature Swap. By applying for BGF, Seychelles citizens, entrepreneurs, NGOs, and governmental agencies get a chance to finance their blue projects and contribute to the national blue agenda. Seychelles now protects 30% of its national waters, covering 410,000 square km of ocean (an area larger than Germany).



"My name is Dillys and I am a future marine scientist. Now, I am also a marine filmmaker, working on a documentary about Seychelles' ocean. I feel like every day of my life is filled with purpose: through my knowledge and creative skills, I get to tell a story that is so worth telling, especially for the next generations of Seychellois. This was made possible thanks to a grant from the SeyCCAT's Blue Grants Fund, which allowed me to turn my passion into an occupation."

- Dillys Pouponeau,
Beneficiary

OUR PARTNERS

- Blue Economy
- United Nations Development Programme (UNDP)
- Oak Foundation



OUR SDGs

10 REDUCED INEQUALITIES

13 CLIMATE ACTION

14 LIFE BELOW WATER



IMPACT IN NUMBERS

30%

30% of Seychelles' national waters protected, covering 410K square km of ocean

$472.3K

$472.3K channelled by the BGF to local projects, in 2020

54

54 applications received for a total amount of $3.4 million in the fifth funding cycle in 2021



OUR EXPO 2020 EXPERIENCE

"At SeyCCAT, we have been grateful for the opportunity to showcase our work at Expo 2020 Dubai. We have been leveraging this exposure in our conversations with existing donors and partners."

World Food Programme (WFP)

Plus School Menus

Bhutan

OUR IDEA

School meals programmes are multi-million dollar government investments, present in virtually every country, with a global yearly investment of over $40 billion. Most of this investment goes into food purchases. However, it is estimated that 73 million children in need are not receiving school meals, mostly because of budget limitations. Additionally, there is a challenging trade-off – cheaper menus mean more children can be fed. However, more nutritious (and costlier) menus translate into healthier and more productive students. Local purchasing of food further generates a positive economic impact for the national economy. Menu design is the key to balancing all these elements. SMP PLUS is an online software, using advanced algorithms to create optimal school menus, ensuring reduced cost, increased nutrition and ingredient locality, all while respecting cultural eating habits, and even including traditional recipes.

OUR APPROACH

Menu design is traditionally based on manual calculation methods, which can be long and tedious. The process can last up to 8 weeks and lead to the loss of opportunities to create more cost-effective, local and nutritious menus. SMP PLUS (formerly known as PLUS School Menus) is the first global school menu creation platform. Available online and completely free to use, it allows for meal optimisation using artificial intelligence (A.I.), creating more affordable, nutritious, and local meals.

With A.I. optimisation and its different modalities, menus can be simultaneously cheaper, more nutritious, and local. More children can be fed with better food. The menu design process can be reduced from up to 8 weeks to an afternoon. Its additional functions allow for easy menu management, team collaboration and integration of community participation in the menu creation process. The simple user-interface allows for easy use by different government stakeholders.

Around 18 countries worldwide are at different levels of adopting SMP PLUS. Important partnerships have been developed with multilateral organisations (African Union), academia (PCD-Imperial College), and donors (NORAD). As of today, over 1.6 million children enjoy meals crafted through PLUS. Important achievements include the reduction of 16% of food procurement costs in Bhutan, or the 50% average nutritional value increase in Mozambique.

OUR PARTNERS

- African Union
- Partnership for Child Development (PCD)-Imperial College
- Sodexo-Stop Hunger Foundation
- World Food Programme Innovation Accelerator
- Norwegian Agency for Development Cooperation (NORAD)
- Food and Agriculture Organization (FAO)



"Now I can create more nutritious menus that are more local and less costly, in minutes instead of weeks"

- Udaya Sharma,
WFP Bhutan



OUR SDGs









IMPACT IN NUMBERS

1.6M
1.6 million children benefitted

18
18 countries on adoption process

16%
16% food procurement savings



Ya'axché Conservation Trust

Belize's First Cacao Agroforestry Concession within a Protected Area

Belize

OUR IDEA

Natural standing forests are threatened by deforestation and illegal activities that consequently contribute to biodiversity loss. Unsustainable land-use from agricultural expansions and other illegal activities threaten protected areas. Ya'axché works with indigenous communities in southern Belize, promoting climate-smart practices, biodiversity conservation and protected areas management. As an evidence-based grassroots NGO, Ya'axché's management interventions aim to achieve harmony between nature and human development for the benefit of both. Overall, they aim to protect wild places and collaborate with communities to address issues such as deforestation, food security, poverty, and impacts of climate change in order to promote sustainable development.

OUR APPROACH

The lack of penalisation of illegal activities in protected areas due to the lack of human and financial resources created the opportunity for protected areas' co-management agreements. After going through a de-reservation due to illegal land clearances for farming, Ya'axché was granted co-management of Maya Mountain North Forest Reserve in 2015. Ya'axché's management effort in protected area was initiated with biodiversity monitoring and enforcement patrols. Further, they worked towards securing the "right to access" for the community of Trio to set up the first ever cacao concession.

Ya'axché has been working with Trio Farmers Cacao Growers (Ltd.) as an organised group to manage the 936 acre cacao agroforestry concession as the beneficiary farmers strive to improve their livelihoods. The project closely monitors the harvest production of wet cacao beans from the concession. Ya'axché has also set up camera traps to monitor the wildlife in the cacao plots, to ensure that the management intervention also contributes to maintaining biodiversity.

Under the Community and Outreach Livelihoods Programme, Ya'axché builds the capacities of farmers to practise climate-smart solutions for livelihood enhancements and landscape conservation. The promotion of sustainable farming, inclusive of agroforestry within protected areas, provide the opportunity to further incentivise community groups as a small business venture.



"The good thing about this kind of farming [cacao agroforestry] is that it brings income that is important for buying food, household needs, payment of bills, and education expenses for my children. Another benefit of doing this farming is that it is different from what I used to do in the past where I clear and burn forest for milpa and every year I needed to clear for a new plot and use herbicide. Now I see that what I am doing is better."

- Santiago Cus,
71-year-old, Beneficiary

OUR PARTNERS

- GEF –Small Grants Programme
- Inter-American Development Bank (IDB)
- Inter American Foundation (IAF)
- World Wildlife Fund (WWF)
- European Union (EU)
- Global Trees Campaign (GTC)
- Protected Areas Conservation Trust (PACT)
- Biodiversity and Protected Areas Managment (BIOPAMA) Programme Overbrook
- Fauna & Flora International (FFI) New England Biolabs (NEB) Foundation

OUR SDGs

13 CLIMATE ACTION

15 LIFE ON LAND

17 PARTNERSHIPS FOR THE GOALS





IMPACT IN NUMBERS

70% — 70% increase in the production of wet cacao beans sold to a local buyer in 2021

5 — 5 wildcat species of Belize have been recorded in the cacao agroforestry concession

2.6% — 2.6% of the Maya Mountain North Forest Reserve is under the Cacao Agroforestry Concession as a community model of forest governance and conservation

OUR EXPO 2020 EXPERIENCE

"The exposure at the Expo 2020 has elevated the concession's success story with greater potential to seek investment projects for the organised group as they venture into value-added products. A cacao agroforestry business management plan for the group has been completed; as production of wet cacao beans increases, so do the opportunities for value-added products. Current discussion on a potential partnership for tree planting has been initiated to continue supporting reforestation efforts in southern Belize."











COVID-19 Solutions

COVID-19 solutions relating to digitalisation, education and skills development, health and wellbeing, protecting livelihoods, and water, sanitation and hygiene (WASH)

Fútbol Más

Lopos

Project Maji

reach52

SitatByoot











Fútbol Más

Mi Casa, Mi Cancha "My Home, My Playground"

Chile

OUR IDEA

Fútbol Más was established on the belief that in order to generate a positive transformation, children must be educated based on their strengths, their abilities, and the potential of their communities must be highlighted. Fútbol Más programme seeks to promote the wellbeing and mental health of children and communities living in contexts of social vulnerability through sport and play. They do this by organising interventions that promote community cohesion and encourage the development of socio-emotional skills in children. Through these efforts, Fútbol Más has impacted neighbourhoods in 10 countries around the world in Africa, Europe, and Latin America.



OUR APPROACH

Fútbol Más uses the infrastructure and spaces of communities to develop a social sport programme. They work in the heart of neighbourhoods, schools, camps, and child centres through programmes led by professionals specialising in the fields of social development and sports. By developing sessions and games designed to create situations of controlled adversity, Fútbol Más challenges participants to learn through games, and promotes life skills in children while empowering their communities.

The intervention employs the Green Card pedagogical tool that does not expel, punish, or threaten, but rewards and promotes prosocial behaviours in children, youngsters, and adults in order to collaborate in building better citizens and happier communities. Children are encouraged to participate in social sport sessions while youth and adults from the community are trained and inspired through leadership training. This helps them acquire tools and skills to strengthen community cohesion and manage their own social sports programme over time, building in sustainability for the programme.

OUR PARTNERS

- United Nations Children's Fund (UNICEF)
- United Nations High Commissioner for Refugees (UNHCR)
- Ministries of Sports
- Ministries of Education
- FIFA Foundation

"This experience has taught me the importance of resilience, empathy, and trust. All of us from this programme have a beautiful bond and mutual respect."

- Franson Robillard,
Fútbol Más beneficiary at Du Bas Canaán School, 2014



OUR SDGs







IMPACT IN NUMBERS

15% — 15% increase in students' trust with their peers since Fútbol Más came to their schools

80% — 80% of girls participating in Fútbol Más social sport sessions admit feeling satisfied with their abilities

93% — 93% of parents believe Fútbol Más has helped their children cope with stress during the pandemic

OUR EXPO 2020 EXPERIENCE

"Fútbol Más has been able to create connections in new regions thanks to Expo 2020 Dubai. We have been in conversations with reputed organisations from the Middle East, such as Dubai Cares and The Citizens Foundation. This has opened several opportunities to scale Fútbol Más's social sports programmes in the region. We were also able to build partnerships with other Best Practices around the world, introducing us to enriching ideas and complementing projects, both in the geographical and programmatic aspects."

Lopos

Social distancing under control

Belgium

OUR IDEA

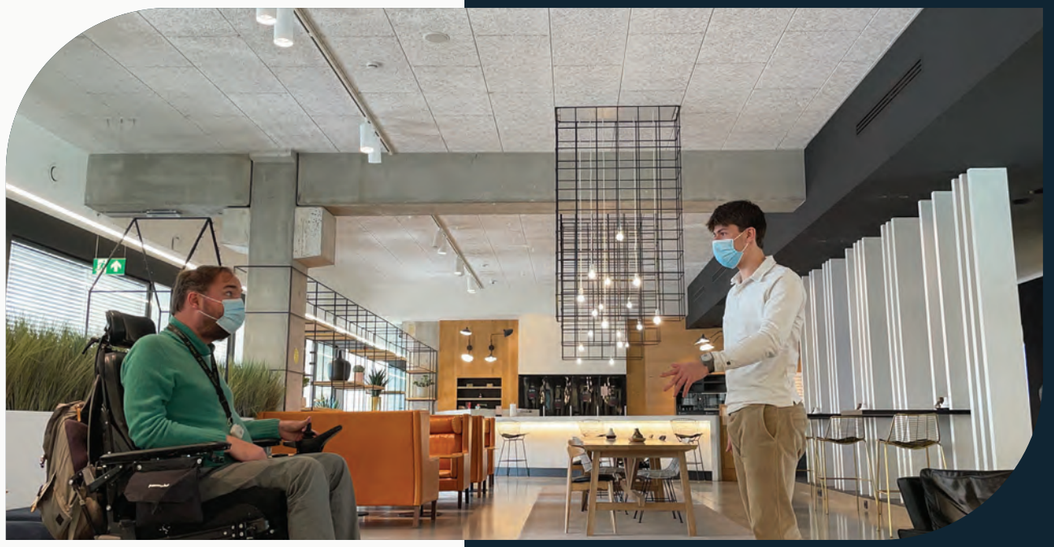
During the COVID-19 pandemic, numerous organisations decided to shut operations to ensure the safety of their employees. On the other hand, organisations that continued working were losing time and resources to the tedious process of contact tracing. In this context, Lopos developed the SafeDistance wearable device that helps alert users regarding safe social distancing practices to avoid potential transmission of the virus.

OUR APPROACH

Lopos developed a wearable device with alarms (light, sound, and vibration) to alert workers when social distancing was not being maintained. The device uses ultra-wideband (UWB) - a radio-based technology that can use very low energy levels for short-range and high bandwidth communication over a large portion of the radio spectrum.

A contact tracing dashboard was also developed that helps organisations export a contact in less than a minute, enabling them to promptly interrupt the chain of transmission. Lopos has also started to identify how this intuitive solution can be applied to other areas of employee safety. This prompted the invention of LoposAlert, a proximity warning solution to reduce forklift incidents. Forklifts are equipped with a “beacon”, and workers with a “wearable” device, which can then communicate with each other to monitor speed and provide direction-based warnings. Organisations can gather actionable insights through Lopos’ online platform to improve overall safety and reduce accidents in the warehouse.





“The LoposAlert wearables help us maintain the correct distance. Employees are immediately alerted by the alarm if they get too close.”

- Marc Lambotte,
CEO Agoria

OUR SDGs

- 3 GOOD HEALTH AND WELL-BEING
- 8 DECENT WORK AND ECONOMIC GROWTH
- 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



IMPACT IN NUMBERS

70+

70+ organisations were able to enforce social distancing thanks to SafeDistance.

25K

25K SafeDistance wearables are deployed worldwide.

90%

90% reduction in time spent on contact tracing due to Lopos’ contact tracing dashboard.



OUR EXPO 2020 EXPERIENCE

“Through our engagement with Expo 2020, Lopos has received greater media attention. This has helped us access additional resources to invest in our technologies and expand their impact.”

Project Maji

Maji Bucket

UAE and Ghana

OUR IDEA

It is estimated that over 3 billion people across the world lack access to household handwashing facilities – a key factor driving public health challenges in communities. Further, the rapid spread of the COVID-19 virus in 2020, combined with the lack of effective treatment, re-enforced the significance of non-pharmaceutical interventions, such as adequate and frequent hand hygiene to slow down disease transmission. The unfolding pandemic also showcased the need for clean, running water, and soap, especially in marginalised communities. As a safe water NGO working on the frontlines, Project Maji designed a highly effective and affordable preventative tool to curb virus transmission – the Maji Bucket. This foot-operated bucket eliminates the need for touch thereby reducing the spread of bacteria. Through this innovation, Project Maji aims to promote affordable and scalable handwashing practices among rural communities.

OUR APPROACH

Project Maji addresses the development challenges caused by water scarcity. The pandemic created a new urgency for the lifesaving distribution of handwashing solutions in underserved communities. Using widely available parts, Project Maji's engineers designed a low-tech foot-operated handwashing station that uses a bicycle handbrake as a foot pedal. Made of locally available products, allowing easy replication and bulk production, it is a highly affordable innovation that met critical sanitation needs. The Maji Buckets are proudly produced by People of Determination in Accra, Ghana.

Project Maji leveraged social media to support the roll-out of the innovation. They partnered with water warrior, Mina Guli for a global handwashing awareness campaign called #Sweat4Soap. The campaign motivated runners across the globe to log their miles for Maji Buckets: Every 100 km =1 Maji Bucket. With the support of partners, over 75,000 people benefitted from the hand-washing stations.

OUR PARTNERS

- Aqua for All
- Mina Guli – Thirst Foundation
- Ghana Federation of Disability Organizations

"The Maji Bucket is definitely better because you don't have to touch the tap to use it. It's good because otherwise, someone else will come and touch the same tap after washing their hands. We were also told that majority of the virus is transferred through our hands. So how would you see what you are picking up. Using the foot operated bucket is better. This one will protect us better from the virus."

- Daniel Acquah,
62-year-old, community elder



OUR SDGs

3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION







IMPACT IN NUMBERS

75K – 75K people reached with Maji Buckets

68.8K – 68.8K km logged in support of Maji Buckets with 62 countries participating in the #Sweat4Soap campaign

42M – 42 million social media impressions for Project Maji

OUR EXPO 2020 EXPERIENCE

"Expo 2020 has helped us connect with communities and countries who will be able to benefit most from this solution in the wake of COVID-19 and beyond. Expo has acted as a springboard for us to connect with great global minds and forward-thinking future partners to scale up the Maji Bucket project. We are truly honoured to have the opportunity to display the Maji Buckets at the world's greatest show."

reach52

reach52
Singapore

OUR IDEA

It is estimated that 52% people worldwide are unable to access essential health services and 100 million people are driven into poverty each year through catastrophic out-of-pocket health expenses. Conversely, top global corporates are investing $20 billion annually on impact and sustainability initiatives as part of their core businesses. However, they lack the expertise to effectively translate these targets into tangible results. reach52 is a health-tech social enterprise bridging these challenges through data-driven community campaigns for rural populations in low-and middle-income countries (LMICs). By partnering with businesses, multilaterals, and civil society organisations, reach52 aims to provide scalable and repeatable health services for non-communicable diseases, infectious diseases, maternal and child health, consumer health, and financial protection in low-connectivity markets.

OUR APPROACH

Through digitally equipped networks of Community Agents, reach25 works with B2B clients to rapidly design, launch, and scale data-driven health campaigns for disconnected regions across a range of frontier and emerging markets. reach52 recruits, trains and manages networks of digitally equipped "Community Agents" across rural communities in Cambodia, India, Indonesia, Kenya, and the Philippines. These Agents (typically existing community health workers) are trained and equipped with reach52's offline-first mHealth platform. They work to connect local populations to government services, focusing on health promotion and community screening to improve the uptake of preventive services and increase knowledge of risk factors.

reach52 also builds capacity for local health systems through health worker upskilling. Their Agents are tasked with onboarding residents to the digital platform by collecting individual health/demographic data to create a health profile. The aggregated data is then analysed in conjunction with stakeholders to develop corresponding interventions to respond to needs. In cooperation with local health systems, reach52 Agents implement these community interventions across a range of disease areas.

OUR PARTNERS

- Johnson & Johnson
- Bayer
- Medtronic Labs
- Sanofi
- Pfizer Foundation
- United Nations Capital Development Fund
- Unilever





"I have had diabetes for 30 years now and it has been a challenging journey, especially because of the high burden of medical costs. My family worries about my condition and I have to disturb them each time I need a check-up. I'm really happy that Padayon(community agent) arrived in our barangay (district) and gave us easier access to blood pressure and sugar checks, affordable medicines, and diabetes education."

- Anonymous beneficiary,
Resident of Iloilo Province, Philippines

OUR SDGs



IMPACT IN NUMBERS

$2.10

$2.10 created in local social impact for each $1 invested in the organisation.

9.8K

9.8K rural community health workers upskilled and 1 million beneficiaries engaged, since reach52's inception.

90%

90% of reach52 agents are female in an effort to support UN SDG 5 "Achieve gender equality and empower all women and girls"





OUR EXPO 2020 EXPERIENCE

"The opportunity to travel to Expo and participate in the Global Best Practice Programme in person was valuable and appreciated. It was extremely uplifting and motivating to have the opportunity to connect face-to-face with a large group of like-minded peers. The organisers should be proud of what they were able to achieve, particularly in such challenging circumstances. Thank you for including us in this initiative!"

SitatByoot

SitatByoot & Makesy

Jordan

OUR IDEA

The COVID-19 pandemic has been an unprecedented global health crisis and has led to a global economic crisis for several countries. As preventive lockdowns limited movement, closed businesses, and contracted incomes, many had to find new avenues for work and platforms to enable sales. Against this backdrop, SitatByoot works directly with low-income and vulnerable communities in Jordan comprising largely of women to help them enter the labour market and grow their business online through app- and web-based platforms. The platform enables women to market handcrafted goods through its own e-commerce site, Makesy.

OUR APPROACH

Makesy facilitates business opportunities, connecting demand for high quality garments and hand-made goods with the skilled capacity of its 'makers,' primarily women working from home. Demonstrating a new way of doing e-commerce, instead of buying ready-made handmade products, consumers can customise orders as per their preferences. The orders are delegated to skilled tailors and craftspeople, and Makesy tracks production on behalf of the customer through the app. This platform has provided a unique opportunity for customers to create their very own garments and accessories.

For craftspeople, Makesy developed a vocational training programme called Tadreeb Live, revolving around sewing, crocheting, embroidery, and home-based business skills delivered both online and offline. As women progress in their training, they gain skills to accelerate their online home-based business, have access to employment opportunities in local garment factories, and become certified "Makers." The Makesy website and app helps sellers eliminate the longlist of intermediaries, leading to improvements in their profit margins. The platform oversees quality control, manages payments for both parties, and provides innovative tech services.



"I knew I had it in me to create, work and support my children, but I didn't think I could implement my ideas."

- Suzan Qouqas,
Makesy user and beneficiary.

OUR PARTNERS

- United Nations Women (UN Women)
- Care International
- Drosos

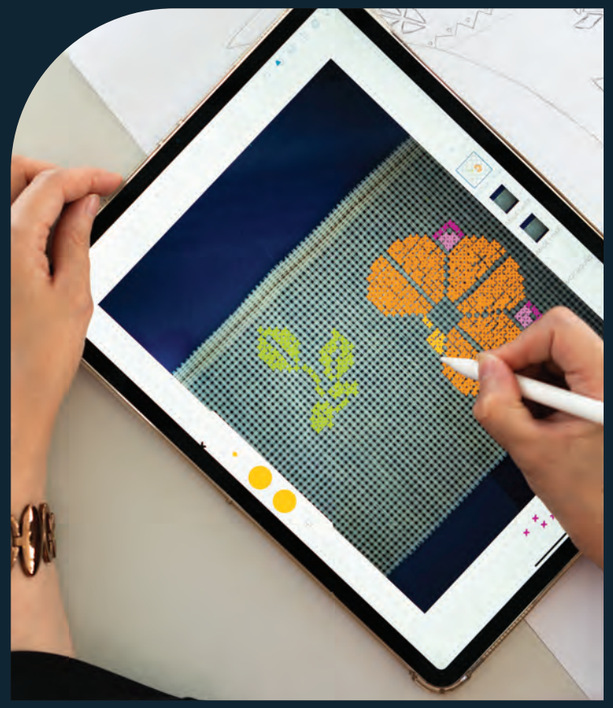


OUR SDGs









IMPACT IN NUMBERS

60%

60% of sellers have been taught skills on the job.

45%

45% of sellers have second and third orders within 2 weeks.

5000

Sitabyoot has trained more than 5,000 women through its workshops and 700 of those have satisfied bespoke orders, creating and shipping garments from their homes.



OUR EXPO 2020 EXPERIENCE

"Expo 2020 Dubai has allowed us great exposure to showcase our achievements to a group of special organisations. This has helped us expand our network forward and upward."

