

YOUNGO YOUTH PROJECT COMPILATION ON FOOD, AGRICULTURE AND CLIMATE ACTION



TABLE OF CONTENT

MAP OF SUBMISSIONS

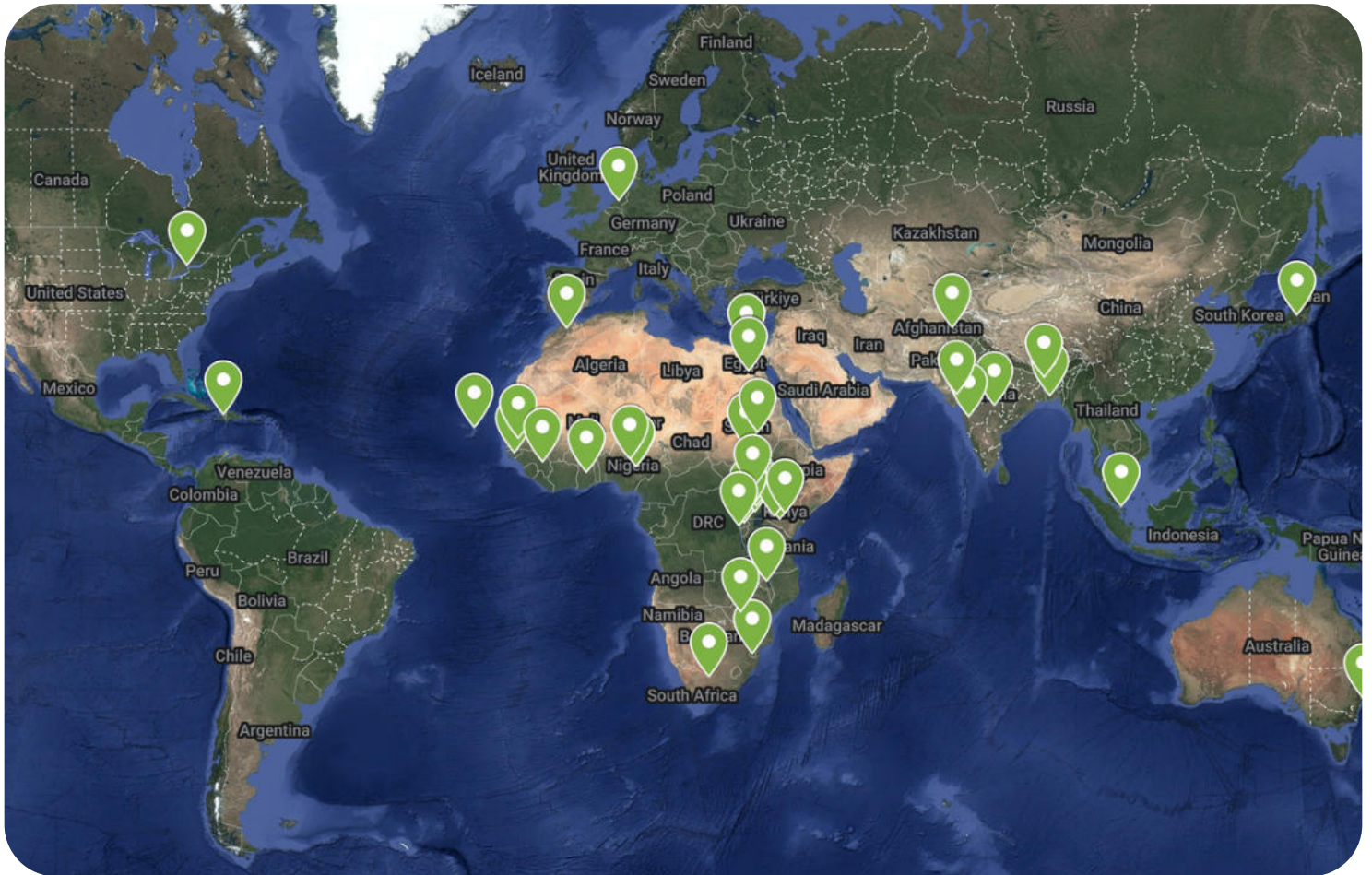
ACKNOWLEDGEMENTS

2025 GLOBAL YOUTH STATEMENT

INTRODUCTION	1
METHODOLOGY	2
PROJECTS	3
1. GREEN LEAF AI: USING AI TO PROTECT DATE PALMS AND STRENGTHEN CLIMATE RESILIENCE	4
2. FOOD AND AGRICULTURE MODEL: A YOUTH-LED MOVEMENT TRANSFORMING AGRIFOOD SYSTEMS EDUCATION ACROSS EGYPT AND THE MENA REGION	8
3. SUSTAINABLE FUTURES 360: YOUTH-LED CLIMATE-SMART AGRICULTURE AND ECO-LEADERSHIP FOR RESILIENT FOOD SYSTEMS	12
4. AFRICAN CIRCULAR AQUAPONICS	16
5. MARGINALIZED GROUPS EMPOWERMENT FOR CLIMATE JUSTICE	19
6. TOMORROW PEOPLE INITIATIVE	22
7. VETGUARD- DIGITAL LIVESTOCK DISEASE SURVEILLANCE SYSTEM	26
8. CROPSHIELD BIO+: YOUTH-LED INNOVATION ADVANCING CLIMATE-RESILIENT AND SUSTAINABLE AGRICULTURE	30
9. MODULAR URBAN MICRO-FARMING: ONE KIND BLOCK HYDROPONICS FOR FOOD RESILIENCE & SENIOR HORTICULTURAL THERAPY	34

10. AQUA WOOD UGANDA	37
11. ASIAN YOUTH BLUE ALLIANCE	41
12. NGIN: NEXTGEN AG IMPACT NETWORK	45
13. GRAIN TO GRAIN: TRANSFORMING LOCAL GRAINS INTO SUSTAINABLE OPPORTUNITIES FOR WOMEN AND CHILDREN IN SENEGAL	49
14. “OMG” PROJECT	53
15. EMPOWERING YOUNG MINDS IN FOOD SYSTEMS AND CLIMATE ACTION	57
16. CLIMATE-RESILIENT HOME NUTRITION GARDENS FOR SUSTAINABLE FOOD SECURITY	61
17. REACT: REAL-WORLD ENGINEERING AND APPLICATION FOR COLLABORATIVE TRANSFORMATION TOWARD SUSTAINABLE FUTURES	65
18. SOLFARM CONNECT ..	69
19. LEARN TO IMPACT PROJECT	72
20. EMPOWERING YOUTH AND COMMUNITIES FOR FOREST RESTORATION AND CLIMATE ACTION IN MOLO CONSTITUENCY	75
21. CEARD YOUTH CAPACITY PROJECT	79
22. NATURE’S GUARDIANS: INDIGENOUS WOMEN PIONEERING CONSERVATION LEADERSHIP, CLIMATE RESILIENCE, AND LIVELIHOOD EMPOWERMENT	82
23. SMART DYNAMIC FARMING	86
24. AGRO RANGERS TRUST	90
25. RENOVERDE RECICLAGEM: RECYCLING FOR A SUSTAINABLE GUINEA-BISSAU	93
CONCLUSION.....	97
MOVING FORWARD	98

MAP OF SUBMISSIONS



6
CONTINENTS



20+
COUNTRIES

ACKNOWLEDGMENTS

The **YOUNGO Food and Agriculture Working Group** extends heartfelt appreciation to all the young people, farmers, indigenous peoples, NGOs, and networks who submitted their projects and shared their experiences for this compilation. Your initiatives reflect the innovation, resilience, and leadership of youth driving change in agriculture and food systems worldwide.

We also thank the broader YOUNGO community for its continued collaboration and commitment to advancing youth inclusion and action under the UNFCCC process.

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2025 GLOBAL YOUTH STATEMENT

The Global Youth Statement reflects the vision and determination of children and young people worldwide, who remain committed to climate justice, resilience, and equity. In the spirit of “Harvesting Hope”, and the call for collective mobilisation of the Mutirão we hope for COP30 to be a turning point towards accelerated climate action, strengthened multilateralism, and climate justice.



INTRODUCTION

The **Official Children and Youth Constituency of the UNFCCC (YOUNGO)**, through its Food and Agriculture Working Group, has compiled **25** youth-led and youth-focused agricultural projects and initiatives from six regions and over twenty countries worldwide.

This compilation will be submitted to the Sharm el-Sheikh Joint Work on Agriculture and Food Security (SSJWA) Online Portal to showcase youth action, inform stakeholders, and create opportunities for collaboration and support.

Projects were collected through an open call for submissions closing on **1 November 2025**, and evaluated across seven criteria assessing relevance, impact, inclusivity, and scalability. The **25** selected projects represent the most impactful and grounded examples of youth leadership in transforming agriculture and food systems. The rest of the projects will be featured on a real-time map which will be populated regularly

METHODOLOGY

The projects were selected based on the following criteria:

Criteria	Max Points
Project Status & Delivery	4
Outcome & Impact Evidence	4
Youth & Marginalized Inclusion	3
Thematic Relevance	3
Replicability & Scalability	2
Stakeholder Engagement & Sustainability	2
Innovation & Just Transition	2
Total	20

PROJECTS

1. GREEN LEAF AI: USING AI TO PROTECT DATE PALMS AND STRENGTHEN CLIMATE RESILIENCE”



OVERVIEW

Green Leaf AI is a youth-led AgriTech startup using artificial intelligence and open data to detect and prevent diseases in date palm trees. The project helps farmers identify early signs of infection using a mobile app powered by machine learning, reducing crop losses and pesticide use while improving resilience to climate impacts. We focus specifically on date palm trees, a crop that is central to the livelihoods of millions of families in arid and semi-arid regions. Date palms are a source of food and income. They also play a crucial ecological role in desert environments. Our approach combines image-based diagnostics with continuous data collection from local farms to train and adapt the model to regional conditions.

Organization: Green Leaf AI

Type: Project

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Indigenous peoples, Local communities

Category: Agroecology, Technology and innovation, Youth capacity-building, Climate adaptation & resilience

Entity: Youth-led Organization

Start Year: 2024

Scale: National

Partners: UEMF, UM6P Startgate, Enabel, AFD, NABTA

Funding: Mainly self-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Funding (€50,000)

OBJECTIVES

- **Strengthen** farmers' resilience to climate-related crop diseases.
- **Reduce** pesticide misuse and resource waste.
- **Promote** AI-driven adaptation tools in agriculture.
- **Build** youth-led innovation capacity in sustainable farming.

MAIN ACTIVITIES

- **Reduced** crop losses and better farm income stability.
- **Improved** local digital capacity and youth engagement in AgriTech.
- **Creation** of localized agricultural datasets for AI innovation.

Received:

- Award in the **Environmental Protection & Conservation track at the UNU AI for SDGs** — Global Youth AI Future Innovation Competition 2025.
- **WSIS Champion 2025** in the E-Agriculture category
- 1st place for the 3rd edition of the **Morocco Water Race 2025**.
- 2nd place at **Falling Walls Lab Morocco 2024**.

We've conducted field trials in Morocco and are currently collecting data (images) from farms. Indeed, last year, we received a mini grant from **CAFDO** to build a [disease dataset](#) for date palms.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Project Website LinkedIn Page Project Pitch Magazine Feature
Project / Initiative Logo	Logo

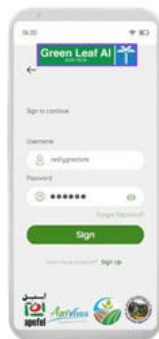
GALLERY



Mobile application

Photo / Satellite imagery

Disease detection and prediction and recommendations



2. FOOD AND AGRICULTURE MODEL: A YOUTH-LED MOVEMENT TRANSFORMING AGRIFOOD SYSTEMS EDUCATION ACROSS EGYPT AND THE MENA REGION



Egypt

OVERVIEW

The **Food and Agriculture Model (FA Model)**, an individual youth-led initiative that has transformed the landscape of student engagement in agrifood systems across Egypt, by providing capacity-building in agrifood systems-related topics preparing Agriculture, Veterinary, and Science students. With the support of FAO RNE & Egypt, the FA Model was established in Cairo University in 2018 and has now expanded to over 43 universities across Egypt and the MENA Region with more than 2,000 active student volunteers and over 20,000 beneficiaries across +320 events. The FA Model launched in 8 new MENA countries in 2025.

Organization: Food & Agriculture Model

Type: Initiative

Status: Implemented

Target Group: Smallholder farmers, Women and other Genders, Youth, Local communities, Policymakers

Category: Technology and innovation, Policy engagement / advocacy, Youth capacity-building, Gender & inclusion

Entity: Individual Youth-led Initiative

Start Year: 2018

Scale: Regional

Partners: FAO Egypt & RNE, Academy of Scientific Research & Technology (ASRT)

Funding: Mainly Self-funded + occasional funding by host universities of branches.

Relevant SDGs & UNFCCC

Work: Capacity building, Food systems / Agriculture, SDGs 1, 2, 4, 8, 9, and 13

Seeking: Funding

OBJECTIVES

To cultivate a generation of students that recognizes its entrepreneurial responsibilities towards the agricultural sector, through:

- **Preparing** Students for the Labor Market
- **Cultivating** Applied Scientific Research
- **Training** Students in Agribusiness
- **Fostering** Digital Agriculture Skills

MAIN ACTIVITIES

As of (2024):

- **205** Capacity-building sessions
- **35** Bootcamps
- **24** Courses & Trainings
- **22** Opening Ceremonies
- **10** Workshops
- **6** Programs
- **3** Competitions
- **2** Festivals

Were implemented across the majority of Egyptian governorates, reaching over **20,000** beneficiaries.

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RELEVANT LINKS

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Project / Initiative Logo	Logo

GALLERY



3. “SUSTAINABLE FUTURES360: YOUTH-LED CLIMATE-SMART AGRICULTURE AND ECO-LEADERSHIP FOR RESILIENT FOOD SYSTEMS”



Ghana

OVERVIEW

Sustainable Futures360 (SusFus360) is a youth-led initiative empowering young people across Ghana and Africa to drive climate action, sustainable food systems, and environmental stewardship. Through our programs, we promote agroecology, climate-smart agriculture, and youth capacity-building as key pathways for resilient livelihoods and food security. Our work engages youth in training, mentorship, and community outreach focused on climate adaptation and resilience.

Organization: Sustainable Futures360

Type: Project

Status: Implemented

Target Group: Smallholder farmers, Youth, Local communities

Category: Agroecology, Youth capacity-building, Climate adaptation & resilience

Entity: Youth-led Organization

Start Year: 2025/2026

Scale: National

Partners: Eclectic Love (Ho), Strategic Youth Network for Development (SYND), Youth Alliance for Sustainability (YAS), Kasa Initiative & GreenFaith, SANCOK Foundation

Funding: Self-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Empower Youth Eco-Leadership-** Equip young people with skills, knowledge, and confidence to lead climate and environmental initiatives.
- **Promote** Agroecology and Climate-Smart Agriculture – Advance sustainable food production systems that strengthen adaptation, resilience, and food security.
- **Enhance** Environmental Education and Awareness – Integrate sustainability education into schools, communities, and faith-based institutions to build a culture of stewardship.
- **Support** Green Livelihoods and the Circular Economy – Provide youth with opportunities in sustainable agriculture, green entrepreneurship, and waste-to-value innovation.
- **Advance** Climate Action and Resilience – Mobilize young people for advocacy, adaptation strategies, and community-based responses to climate challenges.
- **Foster** Partnerships and Policy Engagement – Collaborate with stakeholders, government, and civil society to influence policies.

MAIN ACTIVITIES

- **Youth Empowerment:** Over 200 young people mobilized as members and volunteers, with 9 core youth leaders.
- **Knowledge Sharing:** A year-long series of monthly environmental dialogues held.
- **Community Impact:** Successful sanitation and tree planting exercises conducted in Ho, improving environmental awareness and community participation.
- **Capacity Building:** Youth trained in climate leadership and advocacy through workshops, masterclasses, and collaborative programs.
- **Policy Influence:** Participation in national dialogues such as Ghana's Energy Transition Framework.
- **Partnership Development:** Collaborations established with NGOs, foundations, and youth networks to expand impact.
- **Future Outcomes Expected:** Increased youth participation in agroecology projects, expansion of green livelihood opportunities, and strengthened youth-led advocacy for resilient food systems.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Report 1 Report 2 Report 3 Social Media 1 Social Media 2 Social Media 3
Project / Initiative Logo	Logo

GALLERY



4. “AFRICAN CIRCULAR AQUAPONICS ”



South Africa

OVERVIEW

House Harvest is a youth-led agritech social enterprise founded by Gugulethu Mahlangu that uses aquaponics systems to grow high-value and indigenous crops while rearing fish such as tilapia and catfish. Based in Makhanda and expanding to Witbank, House Harvest integrates renewable energy, black soldier fly farming, and circular agriculture to address food insecurity, unemployment, and water scarcity in just transition communities. The project aligns with the water-energy-food nexus and the UN Sustainable Development Goals (SDGs 2, 6, 7, 8, 12, and 13). Through training and consultancy, House Harvest empowers youth and women to adopt sustainable farming models that regenerate local economies and promote climate resilience

Organization: House Harvest

Type: Initiative

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Local communities

Category: Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Mitigation & low-carbon transition, Gender & inclusion

Entity: Individual youth initiative

Start Year: 2024

Scale: Local

Partners: TIA, Innovate UK, Nedbank

Funding: Self-funding & Grants

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Food systems / Agriculture

Seeking: Funding (R1,000,000)

OBJECTIVES

- **Promote** sustainable food production through aquaponics and renewable energy integration.
- **Create** employment and skills development opportunities for youth and women.
- **Strengthen** local food systems and promote indigenous crops.
- **Reduce** environmental impact through circular farming and waste-to-feed innovation.
- **Contribute** to climate adaptation and just transition in mining-affected areas.

MAIN ACTIVITIES

The **project** has successfully trained and engaged over 100 youth and women in sustainable food production, creating green jobs and inspiring entrepreneurship in agriculture. By integrating solar energy and aquaponics, the system reduces water usage by up to 90% compared to conventional farming while ensuring year-round production of nutritious, indigenous vegetables and fresh fish.

Environmentally, the project contributes to climate adaptation by improving water efficiency, recycling organic waste through black soldier fly larvae, and reducing methane emissions associated with traditional agriculture. Economically, local restaurants and households now have consistent access to fresh, locally grown produce, strengthening community-based food systems.

In the long term, House Harvest aims to expand its model to mining-affected towns across Southern Africa, positioning aquaponics as a cornerstone of the just transition. The initiative advances multiple SDGs — notably Zero Hunger, Clean Water and Sanitation, Affordable and Clean Energy, and Climate Action — while proving that youth-led innovation can transform agriculture into a sustainable and regenerative sector.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website
Project / Initiative Logo	Logo

GALLERY



5. MARGINALIZED GROUPS EMPOWERMENT FOR CLIMATE JUSTICE



OVERVIEW

The **Marginalized Groups Empowerment for Climate Justice (MCECJ)**, a Youth Climate Justice Fund (YCJF) project is dedicated to scrutinizing Ghana's climate change strategies and policies to ensure they adequately address and positively impact vulnerable populations, particularly rural and indigenous communities and women. As of now, the project has successfully impacted 279 individuals in these indigenous communities across Ghana to be effective policy lobbyists.

Organization: Indigenous People Alliance Ghana

Type: Initiative

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities, Policymakers

Category: Policy engagement / advocacy, Climate adaptation & resilience, Mitigation & low-carbon transition, Gender & inclusion

Entity: NGO / CSO

Start Year: 2025

Scale: National

Partners: Local District Assembly

Funding: Youth Climate Justice Fund

Relevant SDGs & UNFCCC

Work: Climate adaptation, Capacity building

Seeking: Funding (\$80,000 USD)

OBJECTIVES

The project's core objective is to comprehensively assess the extent to which the environmental rights of these marginalized groups are included, protected, and promoted within national frameworks. Furthermore, a key component of MCECJ involves actively building the lobbying and advocacy capacity of women in climate-vulnerable indigenous communities. This initiative aims to foster a shift of power in change, enabling these women to become effective policy advocates and secure their inclusion in climate policy creation.

MAIN ACTIVITIES

- **Conducted** two co-creation workshops for marginalized groups in northern and southern Ghana to integrate indigenous knowledge into the climate justice framework.
- **Currently** conducting a study on the Ghana National Climate Change Policy to assess its impact on Youth Climate Justice in Ghana.
- **Building** lobbying and advocacy capacity of climate-affected individuals (specifically women, as per the core objective) in indigenous communities.
- **Working** towards establishing advocacy coalitions in rural communities in each district across Ghana. (This is a future goal stemming from the current activities, but represents an active phase of organization/planning).

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website LinkedIn Page
Project / Initiative Logo	Logo

GALLERY



6. “TOMORROW PEOPLE” INITIATIVE



Uganda

OVERVIEW

The **Smart Gardening and Waste Management project** promotes sustainable environmental practices through innovative use of technology and community engagement. The initiative focuses on transforming school and community spaces into eco-friendly gardens that utilize smart irrigation systems and recycled waste materials to conserve water and reduce pollution. Students and community members are trained to design and manage gardens using sensors or low-cost technologies to monitor soil moisture and optimize water use. Organic waste such as food scraps and plant residues is converted into compost, providing nutrient-rich soil for gardening.

Organization: Smart Garden

Type: Initiative

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities

Category: Climate adaptation & resilience, Mitigation & low-carbon transition, Gender & inclusion

Entity: Youth-led Organization

Start Year: 2025

Scale: Local

Partners: N/A

Funding: Fund-raising

Relevant SDGs & UNFCCC

Work: Climate adaptation, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Integrate** sustainable food systems and nutrition into NYSC programmes to build youth capacity.
- **Empower** corps members to develop community-based solutions and drive grassroots impact.
- **Strengthen** youth leadership, entrepreneurship, and inclusivity in food systems transformation.
- **Link** NYSC initiatives with national food systems and policy frameworks for coordinated action.
- **Position** NYSC as a catalyst for Nigeria's transition to climate-smart, nutrition-sensitive systems.

MAIN ACTIVITIES

- **Improved** knowledge and practical skills among students and community members on smart gardening and waste management techniques.
- **Increased** use of recycled and organic waste materials for compost production, reducing landfill waste and environmental pollution.
- **Enhanced** food security through the establishment of productive and sustainable gardens in schools and communities.
- **Efficient** water utilization through the adoption of drip irrigation and moisture monitoring systems.
- **Strengthened** environmental stewardship and community participation in climate action initiatives.
- **Creation** of cleaner, greener, and more sustainable school and community environments.
- **Strengthened** partnerships between schools, local authorities, and environmental organizations to support ongoing sustainability efforts.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	N/A
Project / Initiative Logo	N/A

GALLERY



7. VETGUARD- DIGITAL LIVESTOCK DISEASE SURVEILLANCE SYSTEM



Kenya

OVERVIEW

VetGuard is an innovative mobile application designed to strengthen livestock disease surveillance and reporting, currently being piloted in Kenya. Developed through a funding from Food and Agriculture Organization of the United Nations (FAO) and the Youth Food Lab program of the World Food Forum (WFF), VetGuard integrates participatory epidemiology with digital technology to enable real-time reporting of suspected animal diseases by farmers, animal health assistants, and veterinary officers. The app allows users to capture clinical signs, geotag cases, and instantly share data with veterinary authorities for timely response and containment of outbreaks.

Organization: Kenya Agricultural and Livestock Research Organization

Type: Project

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Local communities

Category: Technology and innovation

Entity: Academic / Research Group

Start Year: 2023

Scale: National

Partners: Eclectic Love (Ho), SYND, YAS, Kasa Initiative & GreenFaith, SANCOK

Funding: FAO, WFF

Relevant SDGs & UNFCCC Work: Climate adaptation, Food systems / Agriculture

Seeking: Funding (\$30,000-100,000)

OBJECTIVES

- **Enhance** early reporting and detection of livestock diseases by developing a user-friendly mobile application that allows farmers, animal health assistants, and veterinary officers to submit real-time reports of suspected cases from the field.
- **Bridge** the communication gap between farmers and veterinary authorities.
- **Promote** participatory surveillance by empowering local communities to actively engage in disease monitoring and reporting.
- **Improve** data collection and decision-making through geotagged, time-stamped reports.
- **Raise** awareness and build capacity among livestock keepers on disease prevention, vaccination, and good husbandry practices.
- **Support** national and regional disease control programs, particularly for transboundary animal diseases.
- **Foster** innovation among youth in the animal health sector.

MAIN ACTIVITIES

- **System design and development:** creation of the VetGuard mobile application and web-based dashboard integrating disease reporting, geotagging, and data visualization features.
- **Stakeholder Engagement:** consultative meetings with farmers, veterinary officers, animal health assistants, and county veterinary departments to identify user needs and align the system with existing surveillance frameworks have been done.
- **Training and capacity building:** over 1,000 farmers trained on how to use the application in selected counties (Narok and Kajiado County).
- **Community sensitization:** awareness campaigns and farmer meetings to promote the adoption of the VetGuard platform and emphasize the importance of early disease reporting.
- **Data collection and analysis:** over 200 farmers were interviewed on their willingness to use the system for reporting diseases. A manuscript on the same is under preparation.
- **Monitoring and Evaluation:** continuous assessment of project outcomes, user satisfaction, and overall impact on livestock disease surveillance and response.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Grant Agreement Social Media Post
Project / Initiative Logo	Logo

GALLERY



8. CROPSHIELD BIO+: YOUTH-LED INNOVATION ADVANCING CLIMATE-RESILIENT AND SUSTAINABLE AGRICULTURE



OVERVIEW

CropShield Bio+, developed by Veridian Bioharvest Ltd, is a youth-led innovation advancing sustainable and climate-resilient agriculture in Uganda. The project focuses on developing and scaling a natural, plant-based biostimulant that enhances crop resilience, soil health, and productivity while reducing dependence on synthetic inputs. Using locally sourced materials including spinach, avocado, carrots, mangoes, and composted fruit and vegetable waste, CropShield Bio+ integrates science and circular economy principles to create a foliar spray rich in betaine and carotenoids, which strengthen plant stress tolerance and antioxidant capacity.

Organization: Veridian Bioharvest Ltd

Type: Initiative

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Policymakers

Category: Agroecology, Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion, Cooperatives/Producer Organization

Entity: Youth-led Organization

Start Year: 2025

Scale: National

Partners: N/A

Funding: Self-funded

Relevant SDGs & UNFCCC

Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Funding (\$50,000 USD)

OBJECTIVES

- **To develop** and commercialize a natural, cost-effective biostimulant for sustainable crop production.
- **To promote** circular bioeconomy practices that reduce agricultural waste and greenhouse gas emissions.
- **To build** the capacity of youth and smallholder farmers in climate-smart and regenerative agriculture.
- **To enhance** food system resilience through localized, science-driven innovation.

MAIN ACTIVITIES

- **Research and formulation** of CropShield Bio+ using local organic materials.
- **Laboratory testing** for bioactive compound stability (betaine and carotenoids).
- **Farmer and youth training** on sustainable input production and use.
- **Stakeholder engagement** with cooperatives, research centers, and local government.

Through successful implementation of the initiative, we expect increased crop resilience to drought and heat stress, reduced dependence on synthetic agrochemicals, enhanced soil fertility and organic matter content, youth and women employment and entrepreneurship in the bioeconomy sector as well as improved awareness of circular and climate-smart agricultural solutions.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	LinkedIn Page Project Proposal CA4SH Presentation
Project / Initiative Logo	Logo

GALLERY



9. MODULAR URBAN MICRO-FARMING: ONE KIND BLOCK HYDROPONICS FOR FOOD RESILIENCE & SENIOR HORTICULTURAL THERAPY



Singapore

OVERVIEW

One Kind Block (OKB) is a youth-led, modular hydroponic system that “Lego-fits” into windows, corridors and balconies to turn apartments into micro-farms. Built for dense public housing, OKB enables households—especially seniors—to grow leafy greens with minimal space, water, and maintenance, reducing food miles and strengthening household food resilience. The project couples hardware with training: a horticultural-therapy and micro-farming model that engages older adults in seed-to-harvest routines, supports active ageing, and can be organized into paid maintenance roles.

Organization: One Kind Block (OKB)

Type: Project

Status: Ongoing

Target Group: Women and other Genders, Youth, Local communities, Policymakers

Category: Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion

Entity: Youth-led Organization

Start Year: 2020

Scale: National

Partners: Design Business Chamber Singapore (DBCS), Singapore University of Technology & Design, Happy People Helping People (HPHP), Local HDB town council partners

Funding: Kickstarter – S\$41k, DBCS Design for Good seed – S\$6k; SG Good Design Award (S\$10k)

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Enable** apartment-scale food production that is water-efficient, mosquito-safe, and easy for first-time growers.
- **Reduce** food miles/emissions and bolster household resilience to supply shocks.
- **Create** dignified, age-friendly micro-farming roles and horticultural-therapy programs.
- **Build** youth and community capacity in climate-smart urban agriculture.

MAIN ACTIVITIES

- **Human-centred design**, rapid prototyping, and HDB-fit form-factors
- **Hydroponics training** and toolkits for seniors and youth
- **Community pilots** in apartments/corridors; yield and usability monitoring
- **Horticultural-therapy sessions**; micro-farming workflows and playbooks
- **Crowdfunding** and local manufacturing ramp-up; award/grant deployment.

These included:

- **\$41k crowd-funded** (438 backers) + **\$16k national seed funding** mobilized
- **Elderly participants engaged** through structured horticultural-therapy cycles
- **Apartment-level greens production** reducing reliance on imported produce
- **Replicable micro-farming model** and training materials for community scale-up

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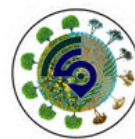
RELEVANT LINKS

Websites, Reports, or Media Coverage	N/A
Project / Initiative Logo	Logo

GALLERY



10. AQUA WOOD UGANDA



Uganda

OVERVIEW

AquaWood Group Uganda is a tech-driven environmental monitoring initiative leveraging satellite imagery, GIS, and AI to detect and respond to deforestation, water pollution, and land degradation in near real-time. The project integrates remote sensing, machine learning, and geotagged community reporting through mobile and web platforms, enabling early alerts, interactive dashboards, and local participation in conservation. It empowers stakeholders—local governments, NGOs, and communities—with timely data to support sustainable land use, ecosystem restoration, and environmental compliance. The project also contributes to climate resilience by informing reforestation efforts and protecting freshwater sources. Through youth engagement, digital literacy, and partnerships with academic and conservation institutions,

Organization: Aquawood Group Uganda

Type: Project

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities, Policymakers, Government bodies, NGO's, private companies

Category: Technology and innovation, Policy engagement / advocacy, Youth capacity-building, Climate adaptation & resilience

Entity: Youth-led Organization

Start Year: 2025

Scale: National

Partners: N/A

Funding: Individual Contributions

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building

Seeking: Funding (\$10,000 USD)

OBJECTIVES

- **Environmental Monitoring:** To track deforestation, water pollution, and land degradation using satellite imagery, GIS, and AI tools for real-time environmental insights.
- **Community Involvement:** To empower local communities through environmental education, digital tools, and participatory reporting to foster grassroots conservation.
- **Collaborative Partnerships:** To work with government bodies, NGOs, academic institutions, and community groups in promoting sustainable land use and natural resource protection.
- **Tech-Driven Solutions:** To develop and deploy ICT innovations that support environmental data collection, visualization, and decision-making.
- **Impact Assessment and Research:** To carry out environmental impact assessments and research that inform policy, improve conservation practices, and guide innovation for sustainable development.

MAIN ACTIVITIES

- **Developed a prototype platform** integrating satellite imagery, AI, and GIS to monitor deforestation and water pollution.
- **Conducted stakeholder engagement** sessions with community leaders, environmental officers, and youth groups to raise awareness on digital conservation.
- **Carried out** tree-planting and environmental education campaigns in rural communities.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website LinkedIn Page Social Media Post
Project / Initiative Logo	Logo

GALLERY



11. ASIAN YOUTH BLUE ALLIANCE



Japan

OVERVIEW

This **project** is an education and capacity-building program aimed at training youth (high school to graduate students) in the Asia-Pacific region to become marine sector professionals (young experts, fishers, and engineers). The core purpose is to cultivate human resources who can establish ocean conservation as a profession, not just volunteer work. The activities focus on fusing scientific skills, such as GIS and water quality surveying, with the traditional knowledge of local communities, delivered through a hybrid model of online and in-person interaction with current experts. Through this intergenerational and academic collaboration, we aim to nurture leaders capable of achieving sustainable development by balancing the preservation of local communities' living spaces with the development of local industries.

Organization: Aquawood Group
Uganda

Type: Project

Status: Ongoing

Target Group: Youth,
Indigenous peoples, Local
communities, Policymakers

Category: Policy engagement
/ advocacy, Youth capacity-
building, Climate adaptation
& resilience, Gender &
inclusion

Entity: Youth-led Organization

Start Year: 2023

Scale: Global

Partners: UNISC, NESCO, NIES,
UNESCO i-WSSM, Local academic
institutions, World Youth
Parliament for Water Japan, Local
Marine Conservation Organizations,
Local Governments, Vocational
Schools, Fishery Cooperatives, Local
Communities

Funding: UNISC International &
Joint Ventures (Grants / Donations)

Relevant SDGs & UNFCCC Work:
Climate adaptation, Mitigation,
Capacity building, Finance

Seeking: Funding (\$10,000 USD)

OBJECTIVES

- **Double Marine Professionals:** To double the number of marine sector professionals in the Asia-Pacific region by 2030 compared to 2023 levels.
- **Establish Sustainable Infrastructure:** To establish an international human resource development system resilient to population decline and natural disasters by embedding foundational marine knowledge into school and civic education, thereby achieving both sustainable coastal conservation and local industry development.
- **Youth Leadership and Economic Independence:** To ensure that the trained young experts and activists can operate as a profession (not volunteers) by establishing the economic, social, and institutional foundation necessary for continuous activity and supporting their connection with other projects.
- **Revitalize Fisheries:** To aim to reduce the average age of fishers in participating countries from their 50s to their 40s, thereby ensuring the sustainability of fishing as a traditional core industry.

MAIN ACTIVITIES

- **Double** marine professionals in the Asia-Pacific region by 2030 through large-scale training and leadership development.
- **Revitalize** fisheries by attracting younger generations and creating new fishers to sustain traditional industries.
- **Advance** sustainable development in 60 regions, balancing marine conservation with community livelihoods.
- **Promote** industry transformation and integrate marine education into schools and civic programs.
- **Strengthen** international partnerships and establish sustainable local operations for long-term impact.
- **Accelerate** knowledge sharing and innovation through collaboration among scientists, engineers, and communities.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	https://www.nies.go.jp/biology/research/institute/cafe.html
Project / Initiative Logo	N/A

GALLERY



12. NGIN: NEXTGEN AG IMPACT NETWORK



OVERVIEW

NGIN believes that youth are in the heart of transformations and the next generation architects of the future of agriculture- and foodsystems. With NGIN youth are empowered and capacitated to become the key opinion leaders locally and globally. Through an one-year immersive journey, NGIN ambassadors co-create solutions across generations and sectors. In global events, NGIN creates opportunities for youth to raise their voice and inspire others. Our aim is to empower a purpose-driven NextGen Ag Leadership movement of NGINeers: young persons, with big, hairy and audacious ideas, who are dedicated to work on good agricultural- and food practices.

Organization: NextGen Impact Network (NGIN)

Type: Initiative

Status: Ongoing

Target Group: Youth, All stakeholders in the agri-foodchain

Category: Policy engagement / advocacy, Youth capacity-building

Entity: Youth Network / Coalition

Start Year: 2021

Scale: Global

Partners: Eye for Nature - IICA - WFF - AHA - Youth Alliance for zero hunger - IAAS - SDSN - Generation Africa - ISF - Wikifarmer - Nuffiels- All4Food - Bayer - IFAMA Young Board - CSAYN - Elfin Consulting - Food for Thought - Rijk Zwaan - Industry Disrupters game changers

Funding: In-kind contributions & sponsorships

Relevant SDGs & UNFCCC Work: Capacity building, Food systems / Agriculture

Seeking: Funding (\$50,00 USD)

OBJECTIVES

- **Create** a global platform of platforms that include all type of actors across in agriculture- and food system from NGO, youth groups, educational bodies to farmers' collectives, policy-making circles to international bodies, youth and farmers' constituencies to commercial agricultural networks and companies.
- **Empower** a purpose-driven NextGen Ag Leadership movement to create a more sustainable, resilient an prosperous agriculture-and foodsystem.
- **Give** youth a voice, vote and role in creating the future.
- **Co-create** real solutions through intergenerational and cross-sectoral approach.

MAIN ACTIVITIES

- **NGIN** accomplished **6** youth ambassador programs with their own flagship event.
- Over **70** youth from over **25** different countried joined the program.
- Trained **1000+** youth through online workshops.
- Partnership with **12+** organisations from NGO, private companies, educational institutes and (inter)govermental organisations.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website Call to Action Manifesto
Project / Initiative Logo	Logo

GALLERY



13. GRAIN TO GRAIN: TRANSFORMING LOCAL GRAINS INTO SUSTAINABLE OPPORTUNITIES FOR WOMEN AND CHILDREN IN SENEGAL



Senegal

OVERVIEW

Grain to Gain is an initiative led by young women in Senegal to combat malnutrition and poverty in rural areas. The project accompanies and trains rural women in the transformation of local products (millet, corn, niébé, fonio, etc.) into local nutritious flours intended for feeding children and families. The goal is to promote local, sustainable and accessible solutions to malnutrition, while creating economic opportunities for women. By strengthening the technical and entrepreneurial capacities of the beneficiaries, the project contributes to the empowerment of women, the enhancement of local agricultural resources and the food and nutritional security of rural communities.

Organization: Grain to Grain

Type: Project

Status: Ongoing

Target Group: Women and other Genders, Youth, Local communities

Category: Agroecology, Market access / value chains, Climate adaptation & resilience, Gender & inclusion

Entity: Individual Youth Initiative

Start Year: 2025

Scale: National

Partners: Rural women in Kaolack, Fatick, and Thies regions, Departmental Community Development Services, Local Health Centres, Local volunteers, local nutrition and sustainable agriculture NGOs

Funding: Self- / Community-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Finance, Food systems / Agriculture

Seeking: Funding (\$26,000 USD)

OBJECTIVES

- **Fight** against child and maternal malnutrition through local solutions.
- **Enhance** local agricultural products by transforming them into nutritious flours.
- **Train** and empower rural women on the technical and economic levels.
- **Promote** female entrepreneurship and sustainable income creation.
- **Strengthen** food and nutritional security at the community and national levels.

MAIN ACTIVITIES

- **Improving** infant and maternal nutrition in rural communities through access to nutrient-rich local flours.
- **Economic empowerment** of more than 100 rural women, trained and accompanied in the production and management of micro-processing units.
- **Creation** of a local value chain around local grains (millet, corn, fonio, niébé), promoting the circular economy and reducing agricultural waste.
- **Strengthening** local capacities in agri-food processing, hygiene and nutrition.
- **Increased** household awareness of food diversification and the consumption of local products.
- **Contribution** to national food security, reducing dependence on imported products.
- **Strengthening** the leadership of young women in the fight against malnutrition and sustainable rural development.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Project Pitch
Project / Initiative Logo	N/A

GALLERY



14. “OMG” PROJECT



OVERVIEW

OMG is a unique youth-led initiative that stands out for its innovative approach to education and sustainability. We are dedicated to connecting every child to nature and farming by embedding climate education and food systems learning into mainstream schooling. Our program converts classrooms into living farms, where students cultivate leafy greens and hydroponic crops while learning about sustainability, nutrition, and climate adaptation through hands-on experience. Since its inception, OMG Labs has made a significant impact, engaging over 200,000 students and teachers across India and the Pacific.

Organization: OMG

Type: Initiative

Status: Ongoing

Target Group: Children, Youth Leaders, Women, Educators, and Rural & Tribal Communities

Category: Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion

Entity: Youth-led Organization

Start Year: 2022

Scale: Global (India, Fiji, Australia)

Partners: Commonwealth, UNCCD, G20 Land Restoration Initiative, Heartfulness, NGOs, Schools, Communities, and Governments.

Funding: Self- / Community-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Finance, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Integrate** climate, agriculture, and nutrition education into the mainstream school system. We do this by turning classrooms into living farms that nurture children's awareness, responsibility, and climate action.
- **Reconnect** children with nature and farming through experiential learning that builds respect for soil, food, and ecology.
- **Strengthen** food security and nutrition literacy by teaching students to grow and consume healthy, locally produced leafy greens.
- **Empower** teachers, women, and smallholder farmers with practical knowledge of regenerative and hydroponic farming techniques for sustainable livelihoods.
- **Promote** climate adaptation and resilience by embedding sustainability and circular-economy principles in community education.
- **Include** sustainable farming and climate literacy in formal curricula.

MAIN ACTIVITIES

- **Education Impact:** Over 200,000 students and teachers across India and the Pacific have participated in hands-on climate and farming education through living farm classrooms.
- **Women's Empowerment:** We've made significant strides in this area, with more than 100 women in Fiji and several women-led groups in India being trained in hydroponics and nutrition-based micro-enterprise development.
- **Behavioral Change:** Our efforts have led to tangible changes in schools and families, with the adoption of daily sustainable practices such as growing leafy greens, composting, and reducing food waste.
- **Policy Influence:** OMG Labs has played a pivotal role in shaping national education reforms. Through strategic partnerships with education departments, we have successfully introduced climate and farming modules into school curricula, influencing policy and advancing our mission.
- **Community Resilience:** Our community micro-farms and outreach programs have improved local access to fresh, nutritious food while promoting green livelihoods.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Official Website Instagram News Article 1 News Article 2 News Article 3 G20 Landscape
Project / Initiative Logo	Logo

GALLERY



15. EMPOWERING YOUNG MINDS IN FOOD SYSTEMS AND CLIMATE ACTION

OVERVIEW



The **Empowering Young Minds (EYM) Youth Club** promotes sustainable agriculture and food security through youth-led initiatives in Malawi. The project focuses on training young people in climate-smart farming, greenhouse vegetable production, and agro-entrepreneurship to enhance livelihoods and community resilience. EYM integrates environmental education, nutrition awareness, and hands-on agricultural activities to inspire youth participation in addressing hunger, unemployment, and the impacts of climate change.

Organization: Empowering Young Minds

Type: Initiative

Status: Ongoing

Target Group: Youth, Local communities, Policymakers

Category: Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion

Entity: Youth-led Organization

Start Year: 2025

Scale: Local

Partners: Wildlife Environmental society of Malawi (WESM) , Youth with A Mission, Shine relief trust

Funding: Shine Relief New Zealand

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- To **empower** young people with knowledge and skills in agriculture, entrepreneurship, and leadership for sustainable livelihoods.
- To **promote** environmental conservation and climate action through tree planting, waste management, and community awareness campaigns.
- To **enhance** youth participation and leadership in community development, decision-making, and advocacy for human rights and gender equality.
- To **improve** food security and nutrition through climate-smart farming, greenhouse production, and local food processing.
- To **foster** creativity, innovation, and talent development among youth through sports, arts, and skill-building programs.
- To **promote** personal hygiene, health, and psychosocial well-being among young people, especially adolescents.
- To **build** partnerships and networks with schools, organizations, and government institutions to support youth development and community resilience.

MAIN ACTIVITIES

- **Successfully** mobilized and trained over 50 young people in sustainable agriculture, leadership, and entrepreneurship.
- **Increased** youth participation in community decision-making and environmental activities.
- **Established** functional community and greenhouse gardens producing vegetables and maize.
- **Promoted** organic composting and climate-smart practices.
- **Improved** food availability and nutrition among member households and the wider community.
- **Planted** hundred trees and led community clean-up campaigns to promote environmental stewardship.
- **Represented** the club at the National Youth Conference on Climate Change in Lilongwe, showcasing youth-led environmental initiatives.
- **Conducted** regular visits to elderly and vulnerable people, fostering compassion and intergenerational solidarity within the community.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Progress Report Social Media
Project / Initiative Logo	Logo

GALLERY



16. “CLIMATE-RESILIENT HOME NUTRITION GARDENS FOR SUSTAINABLE FOOD SECURITY”



OVERVIEW

This **project** is implemented in rural communities of Morrelgonj, Bagerhat, Bangladesh, aiming to empower low income families to grow chemical-free vegetables in their home gardens. The main objective is to ensure household nutrition and provide safe, nutritious food through climate-resilient agricultural practices. Families can easily cultivate vegetables without using harmful chemical fertilizers, reducing health risks and promoting sustainable food production. The initiative addresses key challenges such as food scarcity, environmental pollution, lack of awareness about sustainable agriculture, and health risks from unsafe food consumption.

Organization: YouthNet Global

Type: Project

Status: Implemented

Target Group: Smallholder farmers, Women and other Genders, Youth, Low income families

Category: Agroecology

Entity: Youth-led Organization

Start Year: 2024

Scale: Local

Partners: British council ActionAid Bangladesh

Funding: Primarily self-funded & From partner organizations

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture, Sustainable livelihoods

Seeking: N/A

OBJECTIVES

- To **enable** rural families in Morrelgonj, Bagerhat to grow chemical free vegetables in their home gardens.
- To **ensure** household nutrition and provide safe, nutritious food for low income families.
- To **promote** climate resilient and sustainable agricultural practices at the local level.
- To **raise** awareness about sustainable agriculture and healthy food choices.
- To **support** women farmers and increase their participation in local food production.
- To **generate** additional income for families by selling surplus vegetables in local markets after meeting household needs.
- To **collaborate** with local authorities, agricultural experts, and NGOs for effective implementation and long-term sustainability.

MAIN ACTIVITIES

- **Selection** of interested farmers, with special focus on women farmers.
- **Training** workshops on climate-resilient and chemical-free vegetable cultivation.
- **Guidance** and technical support from agricultural experts and NGOs.
- **Collaboration** with local authorities and agricultural departments to ensure necessary support and resources.
- **Regular** monitoring of food production and household nutrition outcomes.
- **Collecting** feedback from participants and adjusting practices as needed.
- **Facilitating** sale of surplus vegetables in local markets to generate additional income.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Project Document Social Media Post
Project / Initiative Logo	Logo

GALLERY



17. “REACT: REAL-WORLD ENGINEERING AND APPLICATION FOR COLLABORATIVE TRANSFORMATION TOWARD SUSTAINABLE FUTURES”



OVERVIEW

REACT (Real-World Engineering and Application for Collaborative Transformation) redefines how youth engage with sustainability not through classrooms, but through real-world systems. Conceived and led by young engineers and researchers at Kumaraguru Institutions (India), REACT enables students to immerse in diverse fields such as agriculture, water, energy, and rural livelihoods to uncover root causes of real problems and co-develop contextual, systems-based solutions.

Organization: REACT (Real-world Engineering and Application for Collaborative Transformation)

Type: Initiative

Status: Ongoing

Target Group: Women and other Genders, Youth, Indigenous peoples, Local communities

Category: Agroecology, Technology and innovation, Youth capacity-building, Climate adaptation & resilience

Entity: Youth-led Organization

Start Year: 2025

Scale: National

Partners: Kumaraguru Institutions (India), WWOOF India, Keystone Foundation, Senjolai Trust, and Ezhulumin Foundation

Funding: Institutional funding, Kumaraguru Institutions, partner NGOs and community organizations

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Transform** education into real-world action: Redefine higher education as a platform where STEAM learners (Science, Technology, Engineering, Arts, and Mathematics) engage directly with communities and ecosystems to solve real problems.
- **Uncover** root causes: Enable students to use frameworks such as the Infinite WHY Method, Stakeholder Ring Map, and Convergence Canvas to identify and analyze systemic issues rather than surface symptoms.
- **Foster** empathy and systems thinking: Immerse students in field contexts, farms, forests, industries, and urban systems, to understand interconnected human and environmental challenges.
- **Build** innovation-to-enterprise pathways: Support students in transforming validated ideas into startups and scalable ventures, recognizing that commercialization is a powerful driver of lasting change.
- **Develop** collaborative changemakers: Equip youth with the mindset and tools to design, implement, and sustain community-driven solutions through REACT fellowships.
- **Create** a global model: Establish REACT as a replicable, enterprise-oriented framework for experiential, sustainability-focused education worldwide.

MAIN ACTIVITIES

- **Over 180+** youth from diverse STEAM disciplines trained through immersive, field-embedded learning experiences.
- **7 community partnerships** established with farms, NGOs, and rural organizations including WWOOF India, Keystone Foundation, Senjolai Trust, and Ezhulumin Foundation.
- **Over 50 validated problem** statements derived from real contexts— from soil regeneration to rural infrastructure.
- **Student-led innovations** emerging in renewable energy, post-harvest cold chains, and inclusive technology.
- **Integration of REACT** as a credit-bearing experiential course within Kumaraguru Institutions, demonstrating academic scalability.

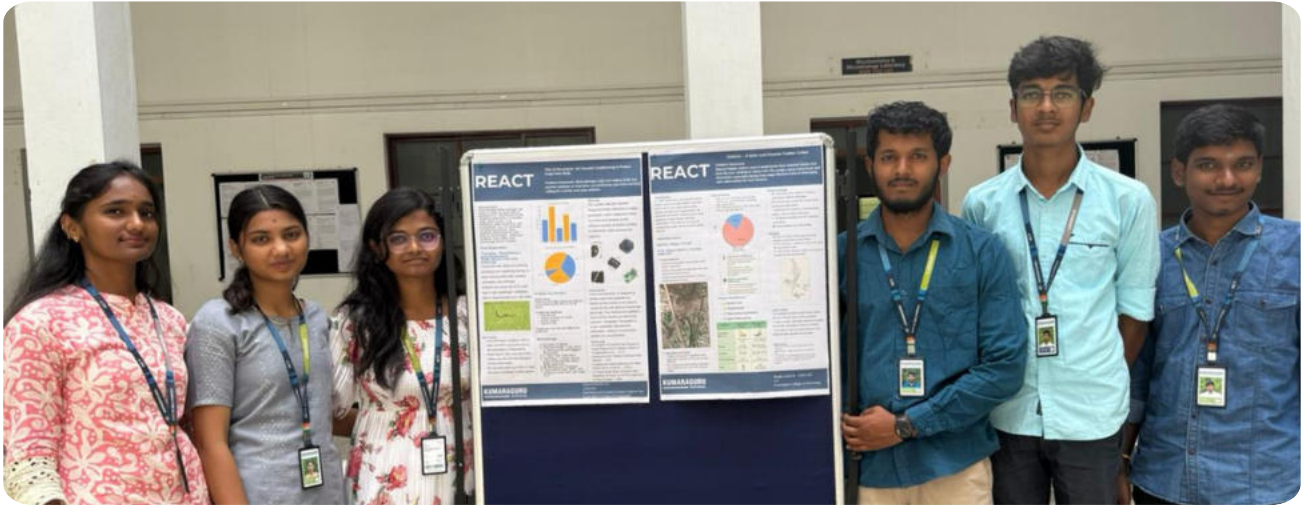
CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website Project Document
Project / Initiative Logo	Logo

GALLERY



18. SOLFARM CONNECT



Zimbabwe

OVERVIEW

Solfarm is a GIS- and AI-powered agricultural logistics and intelligence platform designed to reduce post-harvest losses and dairy milk spoilage through efficient supply chain coordination. The platform integrates geospatial mapping, GPS tracking, and AI analytics to connect farmers, transporters, and buyers in real time. By visualizing farm locations, optimizing routes, and providing market forecasts, Solfarm minimizes delays, ensures freshness, and improves income for smallholder farmers. The system empowers users with real-time data on prices, demand trends, and nearby transport options, bridging the gap between rural producers and urban markets.

Organization: SolFarm Connect

Type: Project

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Local communities

Category: Agroecology, Market access / value chains, Technology and innovation

Entity: Individual youth initiative

Start Year: 2024

Scale: National

Partners: Gamuchirai Faith Tevera, Tapiwanashe Mutiwana

Funding: Self-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Fundng (\$10,000 USD)

OBJECTIVES

- To **reduce** post-harvest and dairy milk spoilage through efficient GIS-enabled logistics.
- To **enhance** coordination among farmers, transporters, and buyers for improved market access.
- To **empower** farmers with AI-driven data insights for yield, pricing, and market decisions.
- To **promote** sustainable and transparent agricultural value chains.

MAIN ACTIVITIES

- **Reduction** of post-harvest and dairy milk losses by up to 30%.
- **Improved** supply chain efficiency and transparency.
- **Increased** income and market participation for smallholder farmers.
- **Enhanced** adoption of digital and GIS-based farming solutions.
- **Stronger** linkages across the agricultural value chain.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Project Proposal
Project / Initiative Logo	Logo

19. “LEARN TO IMPACT PROJECT”



Nigeria

OVERVIEW

The **Learn to Impact Project** is a national youth-led initiative designed to integrate Sustainable Food Systems and Nutrition into the National Youth Service Corps (NYSC) programmes—specifically the Skills Acquisition and Entrepreneurship Development (SAED) and Community Development Service (CDS) platforms. Endorsed by the Federal Ministry of Youth Development, the Learn to Impact Project empowers corps members to identify food systems and nutrition challenges and design scalable, community-driven solutions using systems thinking, foresight, science, data, innovation, education, and advocacy.

Organization: Learn to Impact

Type: Policy / Advocacy Action

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities, Policymakers

Category: Agroecology, Policy engagement / advocacy, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion

Entity: Youth Network / Coalition

Start Year: 2025

Scale: National

Partners: LCOY Nigeria, Sustainable Food Systems Youth Foundation, Scaling up Nutrition Youth Network Nigeria, YPARD Nigeria, and Global Youth Biodiversity Network Nigeria

Funding: N/A

Relevant SDGs & UNFCCC Work: Capacity building, Food systems / Agriculture

Seeking: Collaboration

OBJECTIVES

- **Integrate** sustainable food systems and nutrition into NYSC programmes to build youth capacity.
- **Empower** corps members to design scalable, community-based food and nutrition solutions.
- **Promote** systems thinking and foresight for multidisciplinary problem-solving.
- **Strengthen** youth leadership and entrepreneurship while ensuring inclusivity and cultural relevance.
- **Enhance** data and policy linkages through collaboration with government and development partners.
- **Establish** a sustainability model positioning NYSC as a driver of climate-smart, youth-led food systems.

MAIN ACTIVITIES

- **Build** youth capacity in sustainable food systems, nutrition, and climate-smart agriculture through NYSC programmes.
- **Integrate** sustainability into NYSC structures for long-term institutional adoption.
- **Drive** grassroots impact with community-based projects improving food security and nutrition.
- **Develop** food systems leaders and strengthen partnerships across sectors and communities.
- **Promote** inclusivity and entrepreneurship through financial literacy and agribusiness training.
- **Enable** data-driven action and create a sustainable national model benefiting local communities.

CONTACT INFORMATION

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Phone Contact	Restricted to UNFCCC Secretariat

RELEVANT LINKS

Websites, Reports, or Media Coverage	UNFSS Endorsement Project Proposal Ministerial Endorsment
Project / Initiative Logo	Logo

20. “EMPOWERING YOUTH AND COMMUNITIES FOR FOREST RESTORATION AND CLIMATE ACTION IN MOLO CONSTITUENCY.”



OVERVIEW

The Molo Constituency Forest Association (MCFA) engages youth and learners in institutes, colleges, schools, and universities through its innovative Education Forest Challenge Badge program. This initiative aims to cultivate environmental stewardship by educating young people and youth groups on forest conservation, climate action, and sustainable land management. The program equips participants with knowledge and practical skills on tree planting, forest restoration, and soil health, while fostering community self-help and environmental responsibility.

Organization: Molo Constituency Forest Association.

Type: Initiative

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities, Policymakers, CFAs Schools.

Category: Agroecology, Market access / value chains, Technology and innovation, Policy engagement / advocacy, Youth capacity-building, Climate adaptation & resilience, Mitigation & low-carbon transition, Gender & inclusion, Cooperatives/Producer Organization

Entity: Youth Network / Coalition

Start Year: 2007

Scale: National

Partners: Ghana Forestry Commission; District Departments of Agriculture; Local Traditional Councils; New England Foundation; Community-Based Farmer Cooperatives.

Funding: Community, volunteers, and government agencies.

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Finance, Food systems / Agriculture, SDG 13, SDG 15, SDG 12, SDG 1, SDG 4, SDG 6

Seeking: Funding (\$165,000)

OBJECTIVES

- **Build** the capacity of Indigenous women and youth to apply regenerative and climate-smart agriculture.
- **Improve** household food security and strengthen climate resilience.
- **Promote** women's leadership in natural resource management and climate governance.
- **Support** climate-resilient agro-enterprise development and equitable market access.
- **Preserve** Indigenous ecological knowledge and drought-resistant seed varieties.

MAIN ACTIVITIES

- **Reforestation and Forest Restoration:** MCFA leads tree planting and restoration projects in degraded areas within the Mau Forest Complex and Molo River Basin. They establish and manage community tree nurseries supplying seedlings to schools, community groups, and local farmers.
- **Environmental Education:** The association runs educational programs, including the Forest Challenge Badge, targeting learners in schools, colleges, and youth groups to raise awareness on forest conservation, climate change, and sustainable land use.
- **Community Engagement and Capacity Building:** MCFA works closely with local communities to promote sustainable forest management practices. They educate on the dangers of deforestation, illegal logging, and charcoal production, and offer alternative livelihoods to reduce pressure on forests.
- **Climate Action Advocacy:** The association enhances carbon sequestration through forest conservation and educating communities on climate change impacts.
- **Zero-grazing Promotion:** MCFA encourages controlled livestock grazing practices to protect forests from overgrazing and soil degradation.
- **Support for Alternative Livelihoods:** Initiatives include promoting bee keeping to provide income while supporting forest ecosystems.
- **Expert Collaboration:** MCFA brings in environmental experts and partners for technical support, training, and knowledge sharing..

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Event Participation
Project / Initiative Logo	Logo

GALLERY



21. “CEARD YOUTH CAPACITY PROJECT”



OVERVIEW

Center for environmental and Agricultural Resources Development (CEARD) organized and implemented a groundbreaking Youth capacity Building on integrated Fish and Agricultural Production Programme in Selected secondary schools in Oyo state, Nigeria. After getting approval from the Ministry of education in Oyo state. This two -day intensive programme held represents a significant milestone in our commitment to empowering the next generation with sustainable livelihood skills. Programme highlights includes target audience secondary schools students in Oyo state, duration two day intensive capacity building programme, focus areas integrated fish farming and agricultural production techniques, our impact was to enhanced youth knowledge and skills in sustainable food production systems.

Organization: Centre for Environmental and Agricultural Resources Development (CEARD)

Type: Project

Status: Implemented

Target Group: Youth

Category: Youth capacity-building

Entity: Youth-led organization

Start Year: 2024

Scale: Local

Partners: Worldfish, Incitis Food, and Department of Aquaculture and Fisheries Management, University of Ibadan.

Funding: Self-funded & Partner funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Funding

OBJECTIVES

- **Empower** youth in selected Oyo State secondary schools with practical knowledge and skills in integrated agricultural systems.
- **Stimulate** interest in sustainable agri-fishery practices.
- **Promote** environmental awareness through technical education and engagement.

MAIN ACTIVITIES

- **The sessions** successfully achieved its comprehensive educational objectives by providing students with extensive practical exposure to fish farming operations, comprehensive understanding of integrated farming systems, detailed knowledge of post-harvest processing techniques, and deep appreciation for sustainable agricultural practices.
- **The program** successfully demonstrated the importance of experiential learning in agricultural education, showing how direct exposure to farming operations can inspire young people to consider careers in agriculture and aquaculture. Students gained valuable insights into the economic opportunities available in fish farming, the technological innovations transforming the industry, and the environmental considerations essential for sustainable aquaculture development.
- **The success** of this educational initiative demonstrates the importance of exposing young people to modern agricultural practices and the potential for such programs to contribute to agricultural development and food security initiatives. The collaborative approach involving educational institutions, funding organizations, and agricultural facilities provides a model for future educational programs aimed at promoting agricultural awareness and career development among young people.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website Instagram
Project / Initiative Logo	N/A

GALLERY



22. “NATURE’S GUARDIANS: INDIGENOUS WOMEN PIONEERING CONSERVATION LEADERSHIP, CLIMATE RESILIENCE, AND LIVELIHOOD EMPOWERMENT ”



Ghana

OVERVIEW

Nature’s Guardians: Indigenous Women Pioneering Conservation Leadership, Climate Resilience, and Livelihood Empowerment is a community-driven initiative that strengthens the role of Indigenous women as leaders in environmental conservation, climate resilience, and sustainable livelihoods in the Ambalara Forest landscape of Northern Ghana. The project recognizes Indigenous women as knowledge holders and custodians of biodiversity whose voices are essential to climate-adaptive development.

Organization: Centre for Women and Food Security - Ghana

Type: Project

Status: Ongoing

Target Group: Smallholder farmers, Women and other Genders, Youth, Indigenous peoples, Local communities, Policymakers

Category: Agroecology, Market access / value chains, Technology and innovation, Policy engagement / advocacy, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion, Cooperatives/Producer Organization

Entity: Youth-led Organization

Start Year: 2024

Scale: Regional (Ghana, Kenya, Malawi)

Partners: Ghana Forestry Commission; District Departments of Agriculture; Local Traditional Councils; New England Foundation; Community-Based Farmer Cooperatives

Funding: Local partners, community voluntary participation, and a micro-grant from the New England Foundation

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building, Food systems / Agriculture

Seeking: Funding (\$22,000)

OBJECTIVES

- **Build** the capacity of Indigenous women and youth to apply regenerative and climate-smart agriculture.
- **Improve** household food security and strengthen climate resilience.
- **Promote** women's leadership in natural resource management and climate governance.
- **Support** climate-resilient agro-enterprise development and equitable market access.
- **Preserve** Indigenous ecological knowledge and drought-resistant seed varieties.

MAIN ACTIVITIES

- **Increased** participation of Indigenous women in conservation and local governance.
- **Restored** forest buffer zones and reduced land degradation.
- **Improved** soil health, crop yields, and household food security.
- **Expanded** livelihood opportunities through nature-based enterprises.
- **Strengthened** community capacity to adapt to climate variability.
- **Preservation** and renewed use of Indigenous ecological knowledge.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website Facebook Page UNCCD News Article
Project / Initiative Logo	Logo

GALLERY



23. “SMART DYNAMIC FARMING”



South Sudan

OVERVIEW

Smart Dynamic Farming is a youth-led agritech initiative under the Rebuild Initiative Youth Association-RIYA that promotes climate-smart and technology-driven agriculture in South Sudan. The project aims to empower smallholder farmers, youth, and women through digital tools, data-driven decision-making, and sustainable farming techniques. Using a mobile platform, farmers access real-time weather updates, market prices, soil and crop advisory services, and digital financial inclusion opportunities. SDF bridges the gap between traditional farming and modern agricultural innovation, promoting resilience to climate change while improving productivity and income levels in rural communities.

Organization: Rebuild Initiative Youth Association

Type: Initiative

Status: Ongoing

Target Group: Youth, Indigenous peoples, Local communities

Category: Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Gender & inclusion

Entity: Youth-led Organization

Start Year: 2024

Scale: National

Partners: N/A

Funding: Self-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Funding (\$5000)

OBJECTIVES

- **Promote** climate-smart agriculture and sustainable food production.
- **Empower** youth and women through agri-entrepreneurship and digital innovation.
- **Enhance** farmers' access to information, finance, and markets.
- **Strengthen** local resilience to climate change and food insecurity.
- **Foster** partnerships between farmers, technology providers, and development agencies.

MAIN ACTIVITIES

- **Increased agricultural productivity:** Over 500 smallholder farmers trained in smart and climate-resilient farming techniques, leading to higher crop yields and reduced post-harvest losses.
- **Enhanced digital inclusion:** Farmers now access weather forecasts, market prices, and crop advisory services through the SDF mobile platform, improving decision-making and income stability.
- **Youth and women empowerment:** Over 300 youth and women engaged in agri-entrepreneurship and digital farming value chains, increasing employment and innovation in rural communities.
- **Improved climate resilience:** Adoption of sustainable soil, water, and crop management practices contributing to reduced environmental degradation and better adaptation to drought and flooding.
- **Strengthened community livelihoods:** Formation of farmer cooperatives and savings groups promoting financial inclusion, collective marketing, and stronger community resilience.
- **Partnership development:** Collaboration established with local authorities, NGOs, and private agribusinesses to scale up digital agriculture across South Sudan.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Project Plan
Project / Initiative Logo	N/A

GALLERY



24. “AGRO RANGERS TRUST”



India

OVERVIEW

AGRO RANGERS empowers small and marginal farmers—especially rural youth and women—by restoring degraded lands through regenerative agroforestry models. Operating across drought-prone regions of Maharashtra, the project integrates climate-smart agriculture, biodiversity restoration, and local food system strengthening. It trains young farmers in sustainable land management, soil health restoration, and diversified cropping systems combining trees, fruits, and food crops. The initiative has engaged 2,000+ farmers, planted 157,000 saplings, and restored 256 acres of degraded land. By merging traditional knowledge with modern agroecological practices, the project enhances climate resilience, nutrition security, and rural livelihoods. It contributes to SDG 2, SDG 13, and SDG 15 — positioning youth as key agents in transforming agriculture and combating climate change.

Organization:

Type: Initiative

Status: Implemented

Target Group: Smallholder farmers, Women and other Genders, Youth, Local communities

Category: Agroecology, Market access / value chains, Technology and innovation, Youth capacity-building, Climate adaptation & resilience, Mitigation & low-carbon transition

Entity: NGO / CSO

Start Year: 2020

Scale: National

Partners: TATA, Schaeffler

Funding: CSR & Philanthropic

Relevant SDGs & UNFCCC Work: Climate adaptation, Capacity building, Food systems / Agriculture

Seeking: Funding

OBJECTIVES

- **Restore** degraded farmlands through regenerative agroforestry and soil health improvement practices.
- **Empower** small and marginal farmers, especially youth and women, by building capacity for sustainable, climate-resilient agriculture.
- **Enhance** food and nutrition security by promoting diversified cropping systems integrating trees, fruits, and food crops.
- **Increase** biodiversity and carbon sequestration to mitigate climate change and improve ecosystem health.
- **Promote** water conservation and soil regeneration through eco-friendly practices such as mulching, contour bunding, and organic amendments.
- **Generate** green employment and income opportunities through value addition, nursery management, and agroforestry-based enterprises.
- **Strengthen** community ownership by engaging farmers, women's groups, and local youth as leaders in sustainable land restoration.
- **Contribute** to national and global climate goals, aligning with SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 15 (Life on Land).

MAIN ACTIVITIES

- **40+** workshops conducted → **Educating** farmers and empowering rural communities.
- **2,500+** farmers trained → **Equipped** with sustainable farming knowledge.
- **260+** acres of agroforestry implemented → **Establishing** resilient agricultural systems.
- **1,54,000+** saplings planted → **Reviving** degraded land into fertile ecosystems.

CONTACT INFORMATION

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Website
Project / Initiative Logo	Logo

GALLERY



25. “RENOVERDE RECICLAGEM: RECYCLING FOR A SUSTAINABLE GUINEA-BISSAU”



Guinea-Bissau

OVERVIEW

Renoverde Reciclagem is a social and environmental enterprise based in Guinea-Bissau, focused on transforming plastic and other waste materials into valuable products while promoting environmental awareness. Founded in April 2024, the initiative addresses the country’s growing waste management challenges by creating sustainable recycling solutions, providing economic opportunities, and fostering community engagement. The project emphasizes women’s participation, youth empowerment, and innovative approaches to recycling, aiming to reduce pollution, protect ecosystems, and promote circular economy practices locally.

Organization: Renoverde Reciclagem Guiné-Bissau

Type: Policy / Advocacy Action

Status: Ongoing

Target Group: Women and other Genders, Youth, Indigenous peoples, Local communities

Category: Technology and innovation, Policy engagement / advocacy, Climate adaptation & resilience, Gender & inclusion, Cooperatives/Producer Organization

Entity: Youth-led Organization

Start Year: 2024

Scale: Local

Partners: Renooram-GB

Funding: Self-funded

Relevant SDGs & UNFCCC Work: Climate adaptation, Mitigation, Capacity building

Seeking: N/A

OBJECTIVES

- **Reduce** plastic and general waste in Guinea-Bissau.
- **Promote** environmental awareness and sustainability practices in communities.
- **Empower** women and youth through jobs, training, and entrepreneurship opportunities.
- **Develop** innovative recycling solutions and contribute to a circular economy.

MAIN ACTIVITIES

- **Significant** reduction in improperly disposed plastic waste in target communities.
- **Increased** environmental awareness among local residents, schools, and community groups.
- **Creation** of income-generating opportunities for women and youth involved in recycling activities.
- **Development** of locally produced, sustainable products from recycled materials, including construction blocks.
- **Strengthened** community engagement and participation in environmental conservation efforts.
- **Establishment** of Renoverde Reciclagem as a model for sustainable waste management in Guinea-Bissau.

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RELEVANT LINKS

Websites, Reports, or Media Coverage	Social Media
Project / Initiative Logo	N/A

GALLERY



CONCLUSION

The **YOUNGO Food and Agriculture Working Group (the official children and youth constituency of the UNFCCC)** continues to advocate for youth inclusion in shaping just and resilient food systems. As the UNFCCC process moves from negotiation to implementation, it is vital that youth-led solutions are not only recognized but actively supported through policy, partnerships, and finance.

This compilation demonstrates that young people are already leading tangible actions on the ground, from advancing agroecology and climate-resilient agriculture to enhancing food security, resilience, and circular practices. These initiatives reflect the values of the Sharm el-Sheikh Joint Work and show that youth are co-creators of solutions, not just beneficiaries.

By submitting this report to the SSJWA Online Portal, YOUNGO reaffirms its commitment to building bridges between youth action and global policy. We look forward to continued collaboration with Parties to scale these efforts and ensure that food systems transformation remains inclusive, ambitious, and grounded in justice.

MOVING FORWARD

As the UNFCCC process advances toward implementation, the **YOUNGO Food and Agriculture Working Group** will continue to strengthen youth engagement in transforming food and agriculture systems. Going forward, we aim to:

- **Annually** update and expand the Youth-Led Projects Compilation with new initiatives from across regions.
- **Populate** the SSJWA Online Portal with youth case studies to highlight real impact and innovation.
- **Identify** emerging gaps and opportunities through research and consultations with young farmers and stakeholders.
- **Encourage** and highlight national-level youth initiatives that build local resilience and drive policy engagement.
- **Promote** collaboration and financing to scale youth-led solutions for climate-resilient, just, and sustainable food systems.

Together, we will ensure that youth are recognized and supported as co-leaders of global food system transformation.

ACCESS THE FULL REPORT

To explore all 25 youth-led projects and initiatives, including detailed descriptions, contacts, and data visualizations, scan the QR code below or visit the YOUNGO Food & Agriculture Working Group page on the Sharm el-Sheikh Joint Work Online Portal.





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