

Training Tomorrow's Environmental Analysts

Vocational Training Programme for assisting
in Mastering IoT and Sensor Technologies in
Namibia, Rwanda and Zimbabwe

SUSTAIN-IT Project in a Nutshell

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PROJECT INTRODUCTION



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WHO WE ARE

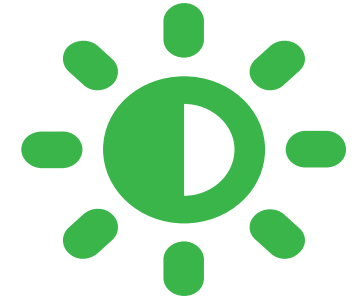
SUSTAIN-IT is an ERASMUS+ **Capacity Building** VET project co-funded by the European Commission to empower Technical Vocational Education and Training (TVET) **Schools** with the skills and tools to tackle **climate change** and inspire the next generation of innovators.

By combining green education with **digital technologies** like IoT, Arduino, and sensor devices, educators and learners will learn to monitor the environment, **identify local challenges**, and develop impactful solutions.

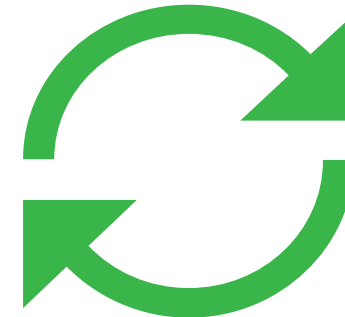
SUSTAIN-IT will develop three use cases for green monitoring in solar energy, air quality, and water quality.



Water Quality



Solar Energy



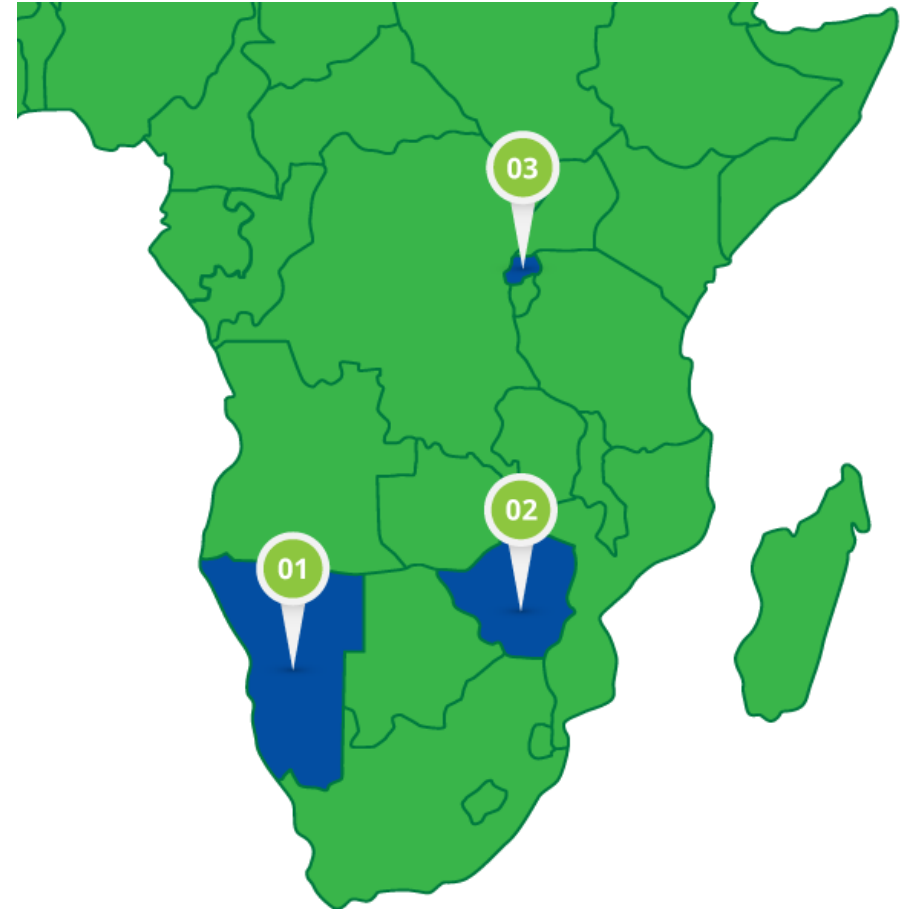
Air Quality

WHERE WE WORK



We work in three sub-Saharan African Countries:

1. Namibia
2. Rwanda
3. Zimbabwe



THE CONSORTIUM

SUSTAIN-IT is a consortium of seven partners from five different countries across Europe and Africa



EUROPE

1. SPAIN

- Politeknika TXORIERRI
- Asociación MUNDUS

2. ITALY

- APRO Formazione

AFRICA

3. RWANDA

- DON BOSCO Provincialat

4. ZIMBABWE

- Harare Insitute of Public Health (HIPH)
- SIMUKAI Vocational Skills Training Hub

5. NAMIBIA

- APODISSI

WHAT WE DO



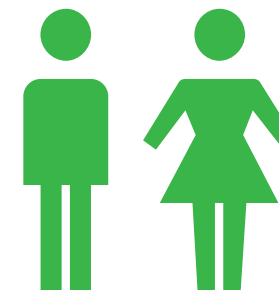
SUSTAIN-IT aims to modernise Sub-Saharan African TVET centers, reduce youth dropout rates, and encourage more women into technical fields, transforming education into a powerful tool for climate action and sustainable development through the implementation of **Environmental Monitoring Analysis** modules for trainers and students.



**Green
Digital
Education**



Entrepreneurship



Inclusion

IMPLEMENTATION



We are developing a train the trainers programme to upskill TVET **Teachers** in Africa



We are developing 3 use cases for experiential learning with **Students**



All developed materials will be uploaded on the Smart Step platform, where they will be **freely** accessible and **downloadable** for all VET learners to study at their own pace

WHAT IS ENVIRONMENTAL EDUCATION?

&

WHY ENVIRONMENTAL EDUCATION IS RELEVANT TODAY?



36%

73%


58%

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Environmental education is the process of **teaching individuals** and **communities** about the natural environment, the **challenges it faces**, and how human actions **impact** it. It promotes awareness, knowledge, **skills**, and values necessary to foster sustainable practices and protect the planet.



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The fundamental elements of environmental education are;



- **Awareness:** Creating awareness on the understanding of ecological systems, biodiversity, and human impacts on the environment.
- **Knowledge:** Learning about climate change, pollution, resource depletion, and conservation. Developing abilities to analyse environmental issues and take action.
- **Attitudes:** Encouraging responsibility, respect for nature, and sustainable values.
- **Participation:** Engaging in activities like recycling, tree planting, and advocacy.



Why Environmental Education is Relevant Today?



Climate Crisis: Rising global temperatures, extreme weather events, and biodiversity loss necessitate urgent action.

Pollution & Waste: Plastic pollution, air/water contamination, and e-waste threaten ecosystems and health.

Resource Depletion: Overconsumption of water, forests, and fossil fuels demands sustainable alternatives.

Empowering Future Generations: Youth need tools to advocate for green policies and innovations.

Policy & Global Goals: Supports the UN Sustainable Development Goals (SDGs), like Climate Action (SDG 13) and Life on Land (SDG 15).

Call to Action!



To create an eco-literate society that can tackle **ecological crises** through informed decisions and sustainable practices, **environmental education** is vital in our **schools**, **workplaces**, government institutions and **communities**.



Jobs



Schools



Institutions



Communities



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Our Project Partners



Thank you

