

Training Tomorrow's Environmental Analysts

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

Online Expert Session 26/06/2025

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- best practice: Waste Management and Circular Economy



International an EU Framework for sustainability in TVET





TVET AS KEY ELEMENT FOR TRANSITION

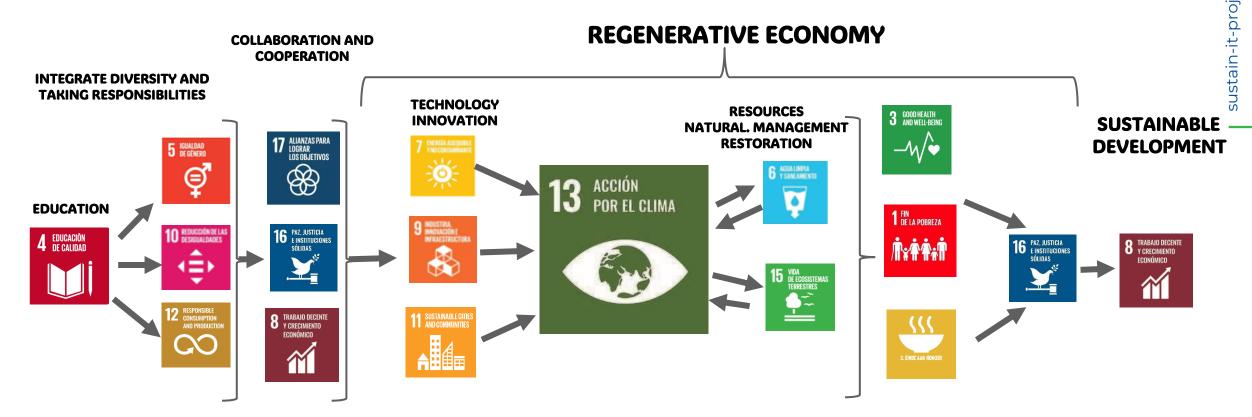
should take place in a short time.







EDUCATION AND TRAINING
The key mechanism for sustainability and regeneration









- > TEACHER TRAINING is a basic pillar of the educational process.
- The implementation of a DIGITALIZATION AND SUSTAINABILITY MODULE in all VET cycles



> A network of **CENTERS OF EXCELLENCE**





European recommendation on Vocational Education and Training for sustainable competitiveness, social fairness and resilience,

- > Knowledge, understanding and critical thinking
- > Empathy, solidarity and care for nature
- > Project-based learning
- ➤ Erasmus+ CENTERS OF VOCATIONAL EXCELLENCE (Educators, public, private stakeholders)
- > Project Cooperation with different TVET centers





sustain-it-project ell

Integrating green practices in TVET. Education and training



RECOMMENDATIONS AND METHODOLOGIES ON LEARNING ABOUT SUSTAINABILITY IN TVET

Project-based learning

Create or transform a company by drawing up a sustainability plan by applying concepts such as circular economy, climate change, nature restoration

Internships in companies applying sustainability

Project cooperation with different stakeholders (Educators, publics, private)

(CoP CoVEs) Community in Practice of centre of excellence



Project Cooperation with different centers

Erasmus K2
CF train in TVET

Learning to calculate Co2 emissions and taking actions to reduce it.

Different centres collaborate to improve school building efficiency, sustainable mobility







BEST PRACTICES FOR SUSTAINABILITY FROM TVET TRAINING TO LABOUR MARKET IMPLEMENTATION

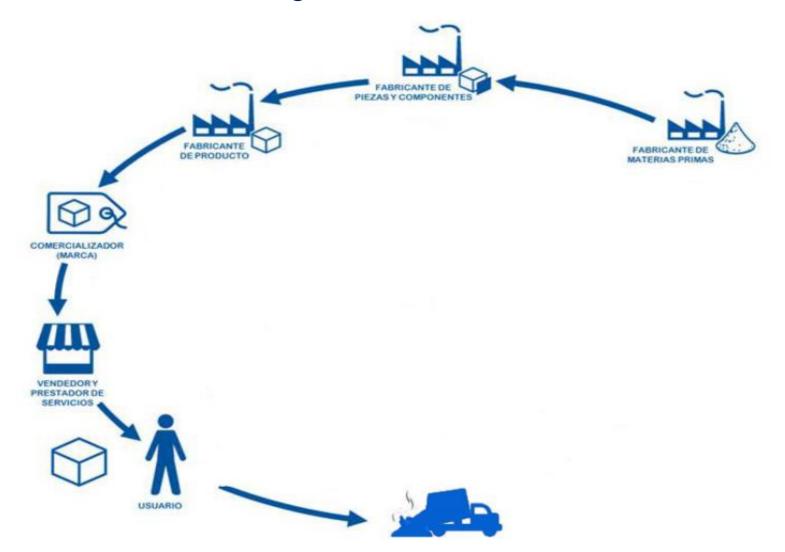
Waste/resource management and circular economy

Food sovereignty

Energy sovereignty

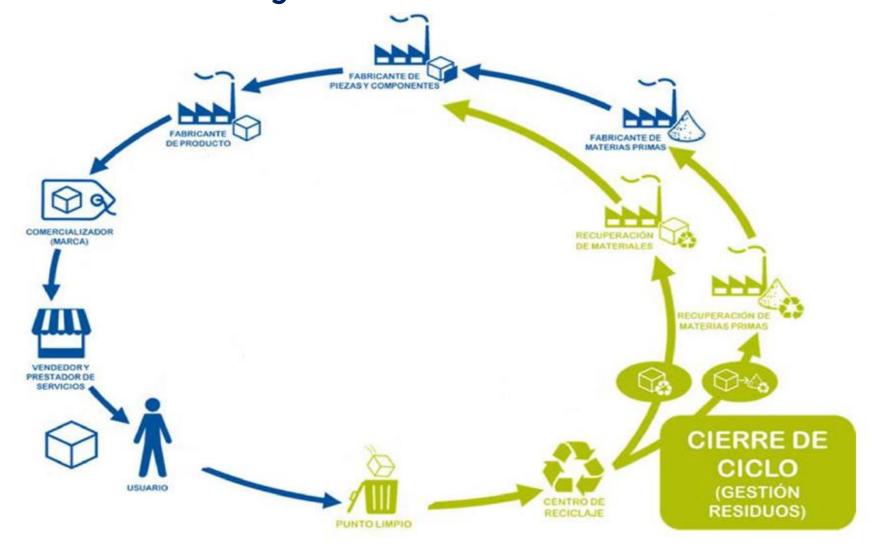






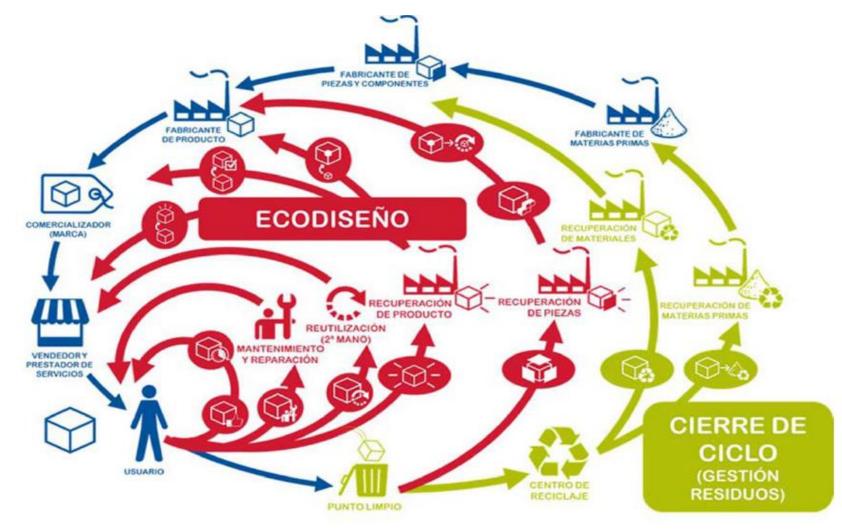






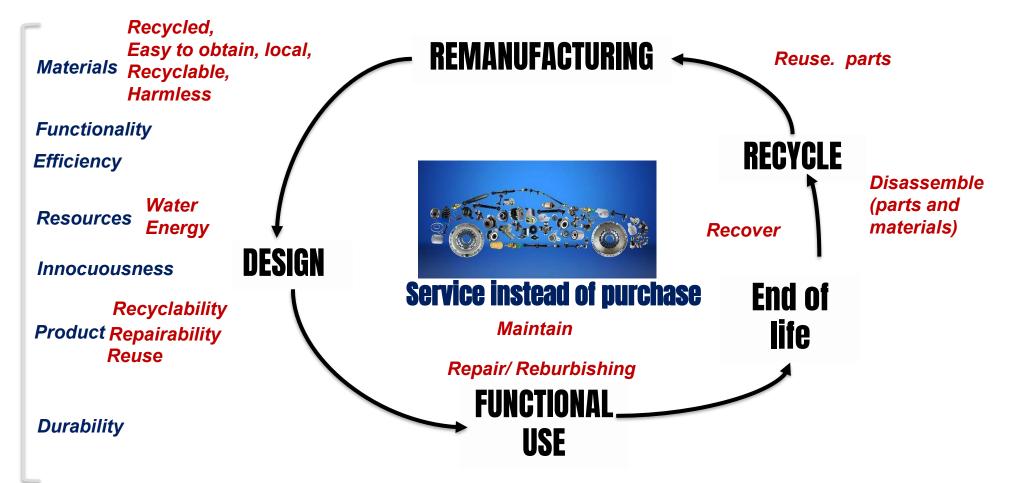














EFFICIENCY.
Use less, use better, longer

BEST PRACTICES: CIRCULAR ECONOMY





TECHNICAL CYCLE

A FOCUS ON USED VEHICLES

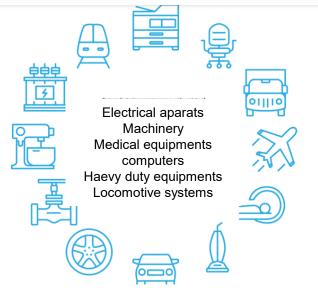
Used vehicles dominate the African market and are therefore important to the automotive industry's circular economy transition and economy

Applying the circular economy principles to the automotive remanufacturing industry

REPAIR, REBURBISHING/ REMANUFACTUTING

keeping components and their embodied material in use for longer, not only avoid waste, emissions to air and water and heavy extractions, it is about green jobs and a rising economy towards sustainable development







BEST PRACTICES: CIRCULAR ECONOMY



CIRCULAR ECONOMY IN AFRICA

Circular economy in Africa articles



Circular economy in Africa: Automotives



Circular economy in Africa: Built environment



Circular economy in Africa: Electronics and e-waste



Circular economy in Africa: Fashion and textiles



Circular economy in Africa: Finance



Article

Article

Circular economy in Africa: Food and agriculture



Article

Circular economy in Africa: Plastics



Article

Article

Circular economy in Africa: Policy



Best practices: Waste Management



CIRCULAR ECONOMY IN AFRICA

<u>Sole Rebels</u> in Ethiopia makes *shoes out of recycled tyres*, indigenous plant fibres, and local leather. Sole Rebels has global reach, stores in North America and Europe, and an annual revenue of USD 22 million

Nigeria's <u>Planet 3R</u> weaves discarded plastic water sachets into bags, homewares, and accessories. Employs 16 full-time staff after less than 3 years in operation, and secured USD 100,000 funding to expand.

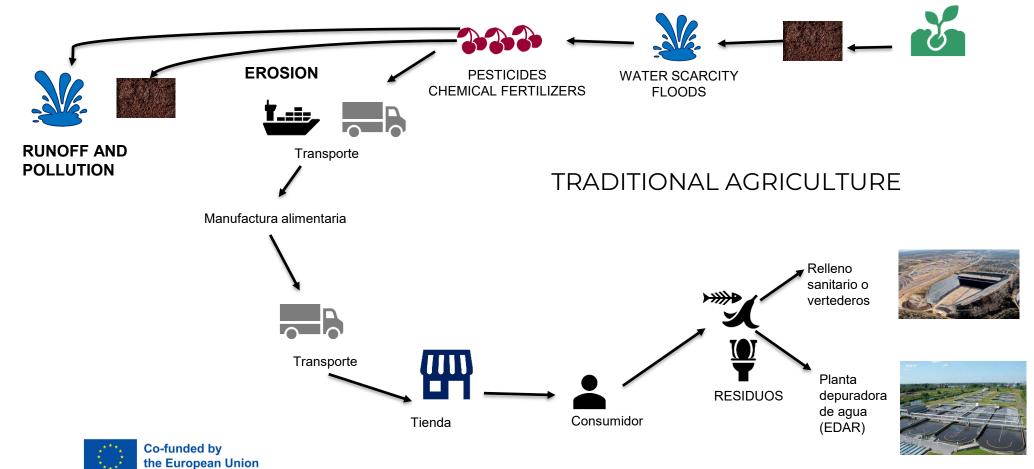
Nairobi-based <u>Rummage Studio</u> sources 95% of the core materials in its bags and accessories from the largest second hand textile more their East Africa

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BEST PRACTICES: CIRCULAR ECONOMY SUSTAIN-IT

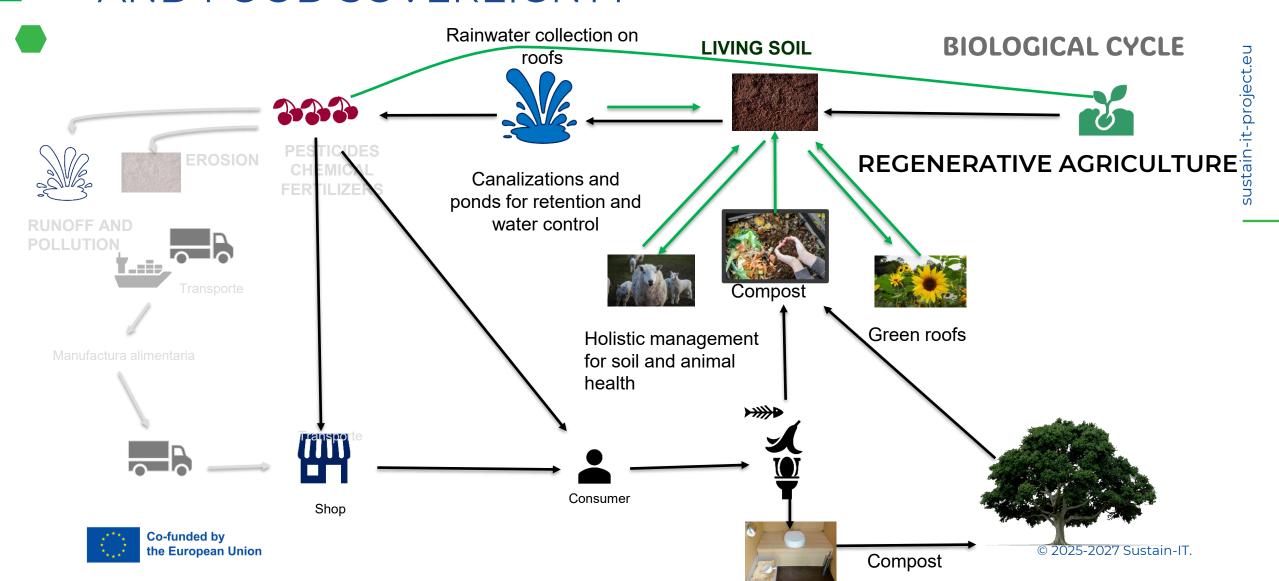


BIOLOGICAL CYCLE



BEST PRACTICES: CIRCULAR ECONOMY AND FOOD SOVEREIGNTY





BEST PRACTICES: FOOD SOVEREIGNTY







Training a New Generation to Create Resilient Livelihoods Through Permaculture Farming



A Water, Sanitation, And Hygiene Revolution In Africa Using Smart Technologies



SOLAR PUMP





BEST PRACTICES: ENERGY SOVEREIGNTY SUSTAIN-IT

MICRO ENERGY GRIDS









Thankyou





