

Sustainable intensification empowering agricultural development in West, East and North Africa

Providing innovative sustainable agriculture solutions

In Africa, marginal lands, characterized by poor soil quality and limited rainfall, pose significant challenges to agricultural progress. Numerous regions across the continent face the expanding threats of land degradation, desertification and climate variability. Sustainable Intensification, which aims to enhance productivity while reducing the environmental impact of agriculture, emerges as a promising solution.

Projects involved

EWA-BELT, SustInAfrica, SustainSAHEL, Soils4Africa and UPSCALE are five European-funded projects aiming to support sustainable agriculture in Africa by facilitating Sustainable Intensification (SI) of food production through resilient African farming and agriculture systems.

Challenges

- Offer practical ways to increase agricultural yield while preserving natural resources.
- Closing the yield gap in African smallholder agriculture to achieve food security goals for millions of farmers.
- Promote practices which enhance soil quality and yields, build resilience towards climate change, and contribute to food security and better livelihoods.
- Empower West, East and North African smallholder farmers and small- and medium-sized enterprises (SMEs) to facilitate sustainable intensification of African farming systems.
- Promote gender equality through the involvement of women at all stages of the agricultural production processes.
- Promote the use of ICTs to facilitate Sustainable Intensification opportunities for farmers, stakeholders and policymakers in the agricultural sector.



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Results and services for Sustainable Intensification in Africa

- Remote Plant Health Diagnostic (PLANTHEAD) Network (IT Infrastructure)
- qPCR sample with the Q3-Plus V2 portable platform for detection and quantification of plant pests and pathogens (Tool/Toolkit)
- Push-pull technology including novel climate-smart variants (Demonstrator)
- InsectaMon smart AI-based pest insect monitoring tool (Model)
- Agricultural Innovation Platforms (Methodology)

Who benefits?



Policymakers, funding agencies including EU and national agencies and Activists



Civil society, NGOs and activists in the health and climate domains



Research & Academia



Farmers

Project Group



EWA-BELT
ewabelt.eu

GA 862848



SustInAfrica
sustinafrica.com

GA 861924



SustainSAHEL
sustainsahel.net

GA 861974



Soils4Africa
soils4africa-h2020.eu

GA 862900



Upscale
upscale-h2020.eu

GA 861998

