

In a nutshell

The overall objective of GALILEO is to rely on genuine Multi-Actor Approaches (MAA) to co-develop context- specific, people-centered agroforestry innovations in representative agro-pastoral, agroforestry, and agro- silvo-pastoral systems (AFSPs) from Sub-Saharan Africa (SSA). The aim is to promote agroforestry as leverage to significantly improve agricultural, household, and climate change adaptation and mitigation performances and to enhance biodiversity in SSA.

Project objectives

- Engage multi-actor local, national and regional communities to co-create and implement sustainable agroforestry management solutions for AFSPs resilient to climate change and drought.
- Test, demonstrate and build capacity on innovative AFSPs management practices and evaluate effects on sustainable income generation and diversification in diverse contexts across SSA.
- Assess the potential of AFSPs management to climate change adaptation, mitigation and biodiversity enhancement and offer qualitative and quantitative open data.
- Evaluate AFSPs under various CC scenarios and apply multi-criteria and multi-scale assessment to co-select AFSPs ex-post.
- Strengthen agroforestry innovation ecosystem in SSA and beyond, leveraging knowledge exchange, policy dialogues and coordination with key networks for dissemination, exploitation and replication.

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Strengthening rural Livelihoods and Resilience to climate change in Africa: Innovative agroforestry integrating people, trees, crops and livestock



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Stakeholders

The key stakeholders for dissemination can be segmented into the target groups outlined below:



Farmers and other value chain actors



Farm, business and other advisors



Policy makers and advisors



Researchers



Civil society

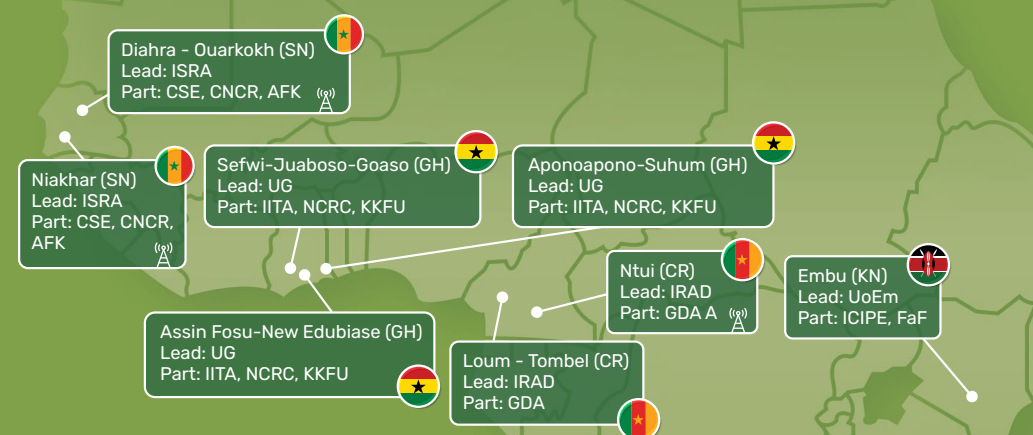


Other

Financial institutions, private investors, African and European initiatives

Framework

GALILEO works with 8 Living Labs (LLs) for local-level farm interventions and 5 Innovation Platforms (IPs) for national and regional-level interventions within the innovation policy ecosystem. These are set up across 4 African Union (AU) countries in Sub-Saharan Africa (SSA), based on a combined framework of various representative agro-pastoral, agroforestry, and agro-silvo-pastoral systems (AFSPs) and socio-economic contexts.



4 national & 1 regional Innovation Platforms (IPs)

GALILEO IPs will engage agricultural policy agents, local government councilors, extension agents, advisors, NGOs, research institutions, innovators, farmers cooperatives, women groups and pastoralists towards co-creating national and regional policy and institutional solutions for an enabling agroforestry innovation ecosystem.

IP	Country
Agro-silvo-pastoralism network Center-North	SN
Mount Kenya region network	KN
Climate positive agroforestry	GH
Network for the promotion of agroecology-NEPAC	CR
GALILEO regional IP	Regional (AU)

8 Living Labs (LLs)

With a special focus to extend productivity and incomes in dry seasons and sustain them under (climatic) drought, GALILEO LLs are set in **semi-arid zones** of Senegal (SN) and Kenya (KN) and normally **humid but drought-prone zones** of Ghana (GH) and Cameroon (CR), in a balanced way while comparing and covering a large range of African conditions.

SEMI-ARID ZONES

LL Dahra-Ouarkokh (SN)
Savanna/Silvo-pastoral

LL Niakhar (SN)
Groundnut basin/ Agro-silvo-pastoral

LL Embu (KN)
Dryland Savanna/ Agro-silvo-pastoral

HUMID ZONES

LL Assin Fosu-New Edubiase (GH)
Forest-Transitional/ Agroforest

LL Sefwi-Juaboso-Goaso (GH)
Forest-Transitional/ Agroforest

LL Aponoapono-Suhum (GH)
Forest-Transitional/ Agroforest

LL Ntui (CR)
Forest Savanna/Agroforest

LL Loum Tombel (CR)
Forest /Agroforest

Concept

CONTEXT

- Livelihood insecurity
- Political and institutional challenges linked to CC
- Climate change impacts
- Limited AFSP innovation
- Lack of systematic evidence

GALILEO APPROACH



- Multi-actor partnerships (LLs and IPs)
- Innovator actors* (IA), Target actors (TA), Control actors (CA)
- Diverse climate impacts and drought intensities

KEY TO ADOPTION

- Holistic socio-economic and environmental assessment
- Perceptions of communities, women and youth
- Local actors engagement
- Identify bottlenecks and institutional solutions
- Multi-actor dialogues

- 4 countries and 2 zones (humid and semi-arid)
- Plot, farm and landscape level assessment

*IA, TA & CA actors: farmers and pastoralists

IMPACTS

- Biodiversity preservation
- Wide AFSP adoption
- Improved livelihoods
- Increase income/jobs
- Resilient and sustainable AFSP systems
- Climate change mitigation and adaptation

PROJECT IDENTITY

Project Title: Strengthening rural livelihoods and resilience to climate change in Africa: innovative agroforestry integrating people, trees, crops and livestock

Grant Agreement No: 101181623

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