

# ETHIOPIA



## Integrated Landscape Management to Enhance Food Security & Ecosystem Resilience



### Integrated Approach Programme

The Integrated Approach Programme on food security in Sub-Saharan Africa targets agro-ecological systems where the need to enhance food security is directly linked to opportunities for generating local and global environmental benefits. Being an integral part of the 12 country regional programme, the Integrated Landscape Management project will contribute to the collective impact of this programme, which is intended to inform approaches to food security in the drylands of sub-Saharan Africa towards win-win solutions between food production and maintaining ecosystem services in the face of anticipated climate shocks.



## OBJECTIVES

To enhance long-term sustainability and resilience of food production systems by addressing the environmental drivers of food insecurity in Ethiopia. The overarching focus is on integrated landscape management (ILM) to achieve food production resilience in landscapes under pressure.

## CONTEXT

Smallholder farming is the mainstay of Ethiopia's economy across the six regions in which this project will be implemented. Farming takes place in often highly degraded and vulnerable environments where there is substantial loss of vegetation, associated erosion and declining soil fertility. Huge demand for biomass fuels exacerbates environmental degradation and affects food production. As a result of these occurrences, Ethiopia proposes to enhance long-term sustainability and resilience of the food production systems by addressing the environmental drivers of food insecurity. Ethiopia is also recognized as a "center of origin" and/or diversity for many crops of global importance, including Arabica coffee, tef, enset, sorghum and durum wheat, among others. Through the IAP program, six regions – Amhara, SNNP, Oromiya, Tigray, Afar and Somali – embedded in two of the global Biodiversity Hotspots (Eastern Afromontane and Horn of Africa) will be

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GEF Grant	US \$10.2M
Co-Financing	US \$144M
Status	Under Review

targetted. Support through the IAP program will therefore promote the adoption of production practices that increase resilience of ecosystems (e.g. watersheds and rangelands) and their ability to function (e.g. increased soil carbon, carbon sequestration) and provide ecosystem goods and services.

## KEY COMPONENTS

This project is organized around three components: (i) institutional frameworks for enhanced biodiversity and ecosystem goods and services within food production systems; (ii) scaling up the integrated landscape management approach to achieve improved productivity of smallholder food production systems and innovative transformations to non-farm livelihoods; and (iii) knowledge management, learning, monitoring and assessment. Cross-cutting aspects related to value

# GLOBAL ENVIRONMENTAL BENEFITS

Land under integrated and sustainable management (M ha.)	240,000 ha.
GHG emissions avoided or reduced (MtCO <sub>2</sub> e)	10 - 20
Genetic diversity of crops and animals maintained or increased (%)	N/A
Land cover (increase, %)	TBD

chains, capacity building and knowledge management will be further strengthened through direct support from the regional “Hub” project

## STAKEHOLDERS ENGAGED

At national level, major stakeholders include the Ministry of Environment, Forest and Climate Change, Ministry of Agriculture and Ministry of Finance and Economic Development. Other stakeholders include community members and groups of resource users and managers at local levels, NGOs, associations and other national and international agencies, local universities in respective zone/regions related to the 12 targeted geographies, local authorities of Oromia, Amhara, Tigray, Afar and Somali Regional States, and the Woreda Agricultural, Water and Energy and Environment Protection and Land Use Offices. The project will engage 120,000 households as direct beneficiaries across 6 of the 12 geographies, and indirectly up to a total of 1.4 million people across all 12 geographies.

## INNOVATIVENESS

The project approach combines land management choices and Integrated Natural Resources Management (INRM) with water and climate-smart agriculture, value chain support and gender empowerment. In addition, the premise of the project is based on cost efficiency of making use of synergies across landscape management, food security and value chain development and sustainability. In mainstreaming integrated landscape management through markets, economic production systems (assuming rational choice approaches) the project expects to bring together ecosystem sustainability, increased food security and financial benefits for local communities. The

project will also introduce and integrate a value-chain approach to food production to reduce post-harvest losses. It will apply a holistic and integrated approach involving engagement with and cooperation between different stakeholders to unlock the constraints along value chains leading to more efficiency for both producers and consumers.

## EXPECTED IMPACTS

### **Institutional frameworks for enhances biodiversity and ecosystem goods and services within food production systems**

Strengthened policies and institutional arrangements that allow stakeholders at national and landscape level to work together towards an approach to INRM that fosters sustainability and resilience.

### **Scaling up the Integrated National Landscape Management Approach**

240,000 farm households in 12 pilot sites practice improved soil and water management.

120,000 ha. under diversified food production.

10,000 ha. of agro-pastoral systems under integrated management.

240,000 farm households with increased access to food including through off-farm activities.

### **Knowledge Management, Learning, Monitoring and Assessment**

Capacity and institutions in place to monitor and assess resilience, food security and global environmental benefits.

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