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SMIS Goal, Objectives and Outputs

Goal: To contribute to increased food security and agricultural growth together with better access to more nutritious food through sustainable development of SSI and micro irrigation.

Development Objectives: To ensure that all concerned public and private institutions within each of the four Regions have the necessary capacity required for gender-responsive identification, planning, design, construction and management of sustainable SSI systems and micro irrigation schemes in a coordinated manner and according to adopted integrated watershed-based approach.

Outputs: (i) Improved planning, design and construction of gender equitable and sustainable small-scale and micro irrigation schemes by public and private institutions; (ii) Improved management of gender equitable and sustainable small-scale and micro irrigation schemes by water users' organizations (WUOs) and individual users respectively, with support from key public institutions; (iii): Improved water, soil and crop management practices for irrigated crops adopted by (male and female) farmers.

Development Partners

The Kingdom of the Netherlands and the Government of Canada

Project Supervisor

NRM Directorate, Ministry of Agriculture, Government of Ethiopia

Implemented by

Agriteam Canada Consulting Ltd.

Project Regions

Amhara, Oromia, Southern Nations, Nationalities and Peoples Region (SNNPR), Tigray

Project duration

5 years

Inception phase

November 2014 – April 2015

Implementation phase

May 2015 – November 2019

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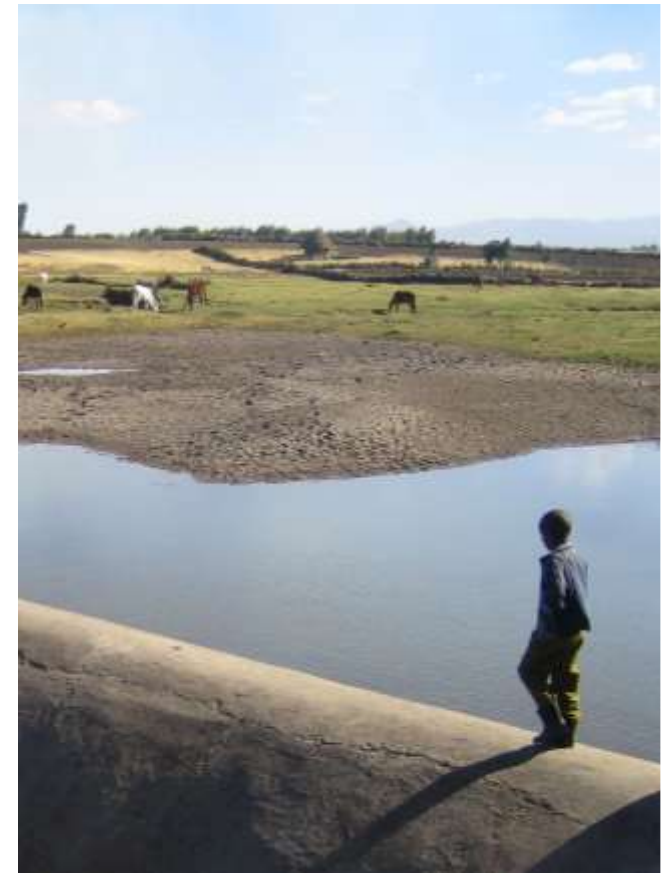
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SMIS AT A GLANCE

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SMIS AT A GLANCE



*Small-Scale and Micro
Irrigation Support Project*



SMIS Project

An important element of the Government of Ethiopia's (GoE's) National Water Resources Strategy is the implementation of an Irrigation Development Strategy. This is being done by exploiting the Country's agricultural production potential to achieve national food self-sufficiency.

The specific objectives are: i) expand irrigated agriculture; ii) improve irrigation water use efficiency and thus agricultural production efficiency; iii) develop irrigation systems that are technically and financially sustainable; and iv) address waterlogging problems in irrigated areas.

Recognizing that the agricultural potential of arable land is not being achieved, GOE and its Development Partners established a number of initiatives, such as the Agricultural Growth Program (AGP) to address this situation. Irrigation development and expansion was also identified as a major element in the Growth and Transformation Plan (GTP) 2010–2015. This emphasis is now continued with the introduction of GTP II. Aside from a number of large- and medium-scale irrigation schemes, small-scale irrigation (SSI) is being promoted to allow farmers access to low volumes of irrigation water within their home communities, in an economical and sustainable manner.

Recognizing the potential of this sector, the GOE released the Small-Scale Irrigation Situation Analysis and Capacity Needs Assessment (October 2011) which was followed by the Small-Scale Irrigation Capacity Building Strategy for Ethiopia. The **SMALL-SCALE AND MICRO IRRIGATION SUPPORT (SMIS) PROJECT** was developed to support this strategy, and is funded jointly by the Governments of the Netherlands and Canada.

“Irrigated agriculture is a core development objective”

The SMIS Project is envisioned as a capacity development initiative; it is designed to support Government organizations, private institutions, water user associations and farmers to develop sustainable Small-Scale irrigation schemes based on integrated watershed management principles, and use micro irrigation. The SMIS Project has three components aimed at supporting (i) Small-Scale Irrigation, (ii) Agricultural Technical Vocational Education and Training Colleges and (iii) Micro (or Household) Irrigation.


Enhancing capacities to apply water, to apply technologies and improvements in the value chain for the supply of inputs and in the marketing of produce will not only increase yields and quality of produce, but provide the farmers and communities with the necessary incentives to adopt irrigation. This comprehensive approach to water use for agriculture brings together the government sector at all levels, educational institutions, users (male and female farmers) and the private sector that supplies them and purchases their produce.



Within this context, the **SMALL-SCALE AND MICRO IRRIGATION SUPPORT PROJECT** is developed to support the Ministry of Agriculture and regional partners in their efforts to achieve equitable and sustainable development of small-scale irrigation and micro irrigation schemes, in an integrated manner that enhances irrigated agricultural productivity and food security for smallholder farmers.

The project is jointly funded by the Kingdom of the Netherlands and the Government of Canada.



The SMIS project is implemented by **Agriteam Canada Consulting Ltd.** 

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Components

Component 1

Enhance the ability of national, regional and local government officials engaged in water and agricultural management to design, implement and organize the maintenance of the small-scale irrigation schemes.

Component 2

To ensure that selected Agricultural Technical Vocational Education and Training Colleges, are able to produce the number of trained Development Agents needed to assist, advise and otherwise support small-scale irrigation farmers, and provide technical upgrading to Government staff responsible for irrigation.

Component 3

To promote and the application of micro irrigation technologies on small household plots, and support the organization of water users associations and other community organizations for the management of small-scale and micro irrigation and the avoidance of conflicts over the use of water, for instance, between pastoralists and irrigators.



Partners

SMIS will work in four regions with the following partners:

- ❖ A wide range of Regional Government Agencies such as the Regional Bureaus of Agriculture and Rural Development (BOARD), the Regional Bureaus of Water Resources Development (BOWRD), the Oromia Irrigation Development Authority (OIDA); Bureaus of Marketing and Cooperatives, etc. ;
- ❖ Donor supported programs and agencies, such as AGP, PASDEP, JICA and ATA;
- ❖ International research and technical institutions such as IWMI;
- ❖ Public and private institutions at federal, regional, zonal and woreda levels involved in in the development of SSI, micro irrigation and irrigated agriculture;
- ❖ Selected A-TVET and TVET Colleges imparting training in irrigated agriculture;
- ❖ Local entrepreneurs involved in manufacturing, installation and/or maintenance/repair of hand-driven and/or motorized pumps; and
- ❖ Youth (unemployed) and landless women, for instance those interested in training in hand-drilling techniques.