

TECHNICAL COOPERATION PROGRAMME FACILITY (TCPF)
(Georgia)

TCP Facility project code: TCP/GEO/3201 (D)

Title of the assistance/component: Hydrology and irrigation assessment in Shida Kartli region in Georgia.

Objectives:

The main objective of the baseline study is a problem-oriented description and result-oriented analysis of the Hydrology and Irrigation situation in the Shida Kartli region promoting reduced dependency on traditional irrigation practices, improved and more efficient use of natural resources to augment agricultural production and promote more sustainable agricultural livelihoods for conflict affected populations.

Expected outputs:

1. A technical report comprising of:
 - a) Natural resource availability and distribution, with specific regard to agricultural irrigation;
 - b) Geohydrological survey of the Shida Kartli region, comprising both qualitative and quantitative analysis of precipitation and available surface water compared against the cropping calendar, analysis of available information on ground water including but not limited to, availability, current usage, experiences, flows, seasonal variations, aquifers and wells accompanied by recommendations for future access to and use for irrigation, water supply and sanitation;
 - c) Review of soil types, crops and consequent irrigation requirements, existing irrigation practices and recommendations for provision of alternative irrigation sources and techniques in particular possibilities and effects for introduction of water saving irrigation equipment and methods;
 - d) Evaluation of possibilities and consequent effects on reduction of irrigation requirements and erosion through natural resource management and micro watershed management;

2. Project proposal promoting reduced dependency on traditional irrigation channel system and improved use of natural resources and water for agricultural irrigation, in particular to focus on the possibility for combining project activities with existing cash-for-work and/or cash-for-food type interventions, as executed by other UN organisations and/or implementing partners working in the region.

Approximate budget: US\$42 500

Expected duration: 1 month