

PRODUCTIVE & RESILIENT RAINFED FARMING SYSTEMS IN DRYLANDS

Community Based Watershed Research



EMPOWERING SMALLHOLDER FARMERS FOR:

- ❖ Higher productivity and better livelihoods
- ❖ Sustainable management of natural resources
- ❖ Reduced vulnerability to climate change



A partnership of scientists and smallholder farmers in Ethiopia's Gumara-Maksegnit watershed is integrating innovative technologies, best practices and bio-economic modeling tools to help increase the productivity and build resilience of the community to climate change.

Completed: Phase I (2009-2012)
Ongoing: Phase II (2013-2016)

Project Site: Gumara-Maksegnit Watershed, North Gondar, Ethiopia
Watershed area: 56 km²
Annual precipitation: ~1050 mm
Population: ~4500

Combating land degradation

Soil and water conservation, watershed modeling and forestry



Increasing water productivity

Harvesting rainwater and supplemental irrigation innovations



Livestock improvement

Improved feed and health for goats, community-based breed improvement and value addition to link to markets



Improving land productivity

Improved cereal and legume varieties, crop diversification, and improved agronomic practices

