

SUSTAINABLE AGRICULTURAL WATER MANAGEMENT

CASE OF MALAWI

Samuel Bota, Chairman, Malawi Water Partnership

George Chande, Deputy Director of Planning, Irrigation & Water Development, Ministry
of Agriculture, Irrigation and Water Development

CONTEXT

- ▶ Agriculture contributes 27.6% to GDP, 90% of total foreign exchange earnings, and 80% of the labor force. (Government of Malawi, 2011)
- ▶ Agriculture is dependent on seasonal rainfall & generally rich in both surface and ground water resources
- ▶ Weather changes associated with floods & droughts, affecting fisheries, crop production & livestock
- ▶ 1995 drought accounted for total drying of Lake Chilwa which resulted in total loss of fish stocks
- ▶ In 2015 severe floods were recorded in 15 out of 28 districts

THE COUNTRY'S VISION

Vision 2020

- ▶ To achieve sustainable growth and development and become middle income country by 2020
- ▶ To increase agricultural productivity:
 - ▶ Preventing land degradation and deforestation
 - ▶ Promoting agricultural diversification
 - ▶ Developing irrigation systems

SHORT/MEDIUM/LONG TERM

- ▶ Engage commercial and other emerging farmers to produce maize under irrigation
 - ▶ estimated 4,500 hectares to be irrigated
 - ▶ 25, 000 MT of maize produced
- ▶ Engage small-scale farmers to irrigate 35,000 hectares to produce 140,000 MT
- ▶ Promote use of renewable energy for irrigation
- ▶ Diversify agricultural production for food and nutrition security and exports
- ▶ Strengthen food markets and value chains to deliver sufficient, high quality, nutritious, foods
- ▶ Promote soil and water conservation technologies

DEMONSTRATION PROJECTS TO BUILD COMMUNITY RESILIENCE

PROPOSAL: A pilot integrated program to manage drought and flood

FOCUS: Production and adoption of drought and flood tolerant crop varieties (with focus on smallholder irrigation), and small livestock (poultry, pigs, goats)

APPROACH: Integrated multi-stakeholder approach

KEY STAKEHOLDERS: Target communities, govt depts. (Agric, water, environment), relevant CSOs, academia

FACILITATOR: Malawi Water Partnership

BUDGET YEAR 1: €500,000

THANKS!

