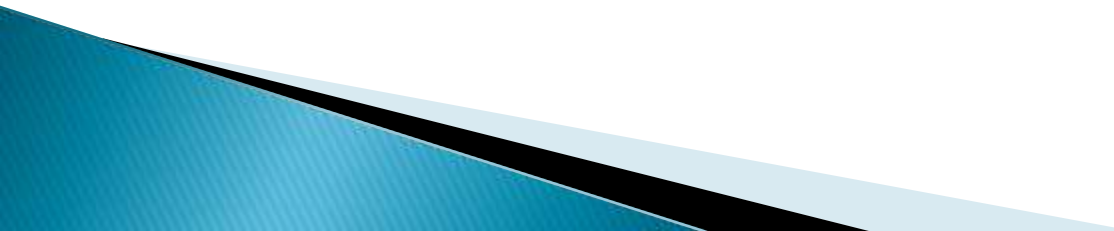


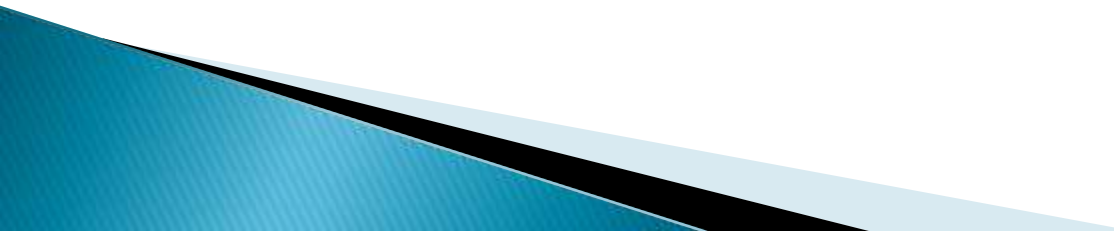
# SPATE IRRIGATION-STATUS AND SETTING UP NETWORK IN KENYA

Presentation by Kenya Spate Irrigation  
Network Team(Opondo, Mirriam &Ogada)

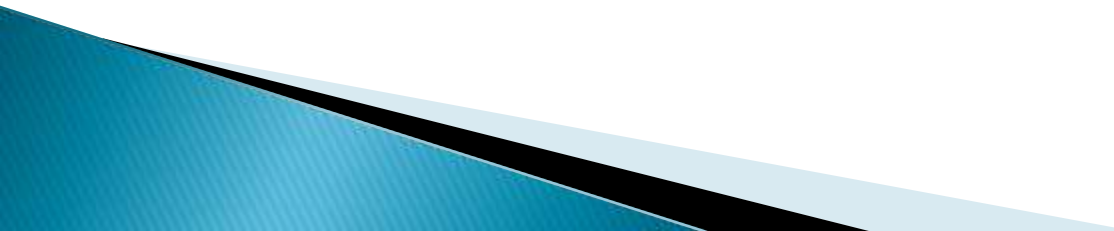
# Outline of presentation

- ▶ Objectives of the presentation
  - ▶ Pictorial demonstration of on-going spate irrigation activities in Kenya– Turkana and Garissa Counties
  - ▶ Hosting of Spate irrigation network in the Ministry of Water and Irrigation– justification
  - ▶ Initial outcome areas and planned activities
- 

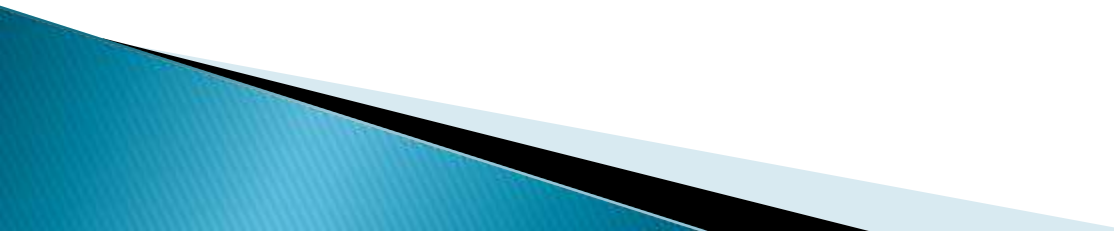
# Objectives of presentation

- ▶ To share with network members on-going spate irrigation programs and activities
  - ▶ To share with and learn from experiences of existing county networks
  - ▶ To get feedback from network members on the planned hosting of the network and the initial planned activities
- 

# On-going spate irrigation programmes

- ▶ Turkana county
  - ▶ Background information
  - ▶ Turkana Rehabilitation Program
  - ▶ Pictures on spate irrigation technologies implemented
- 

# Background information

- ▶ Turkana county is located in the Northern side of Kenya
  - ▶ Rainfall is erratic and unreliable with an average of 300–400mm in in the plains falling to 150mm in arid centrals
  - ▶ Droughts are hard to bear during the hot season and during the rain season it is characterised by flash floods
- 

# Bare-field in Turkana



# Trapezoidal bund



# Sorghum plantations





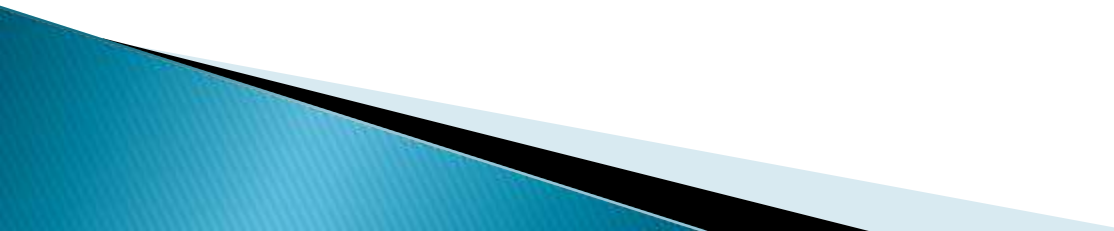
# Rock catchment–harvest water from rock hills



# On-going spate irrigation programs

- ▶ Garissa County
- ▶ Background information
- ▶ Garissa Rehabilitation Program
- ▶ Pictures on spate irrigation

# Background information

- ▶ Garissa county is in North Eastern Kenya
  - ▶ the average rainfall annually is 435mm
  - ▶ It is characterised with droughts and high temperatures
  - ▶ The communities are pastoralists but slowly shifting to agro-pastoralism practising small scale irrigation
- 

# Bare-land at the background



# Community doing excavation works



# Micro-catchments



# Fruit trees grown on micro-catchments



# Hosting of spate irrigation in Kenya

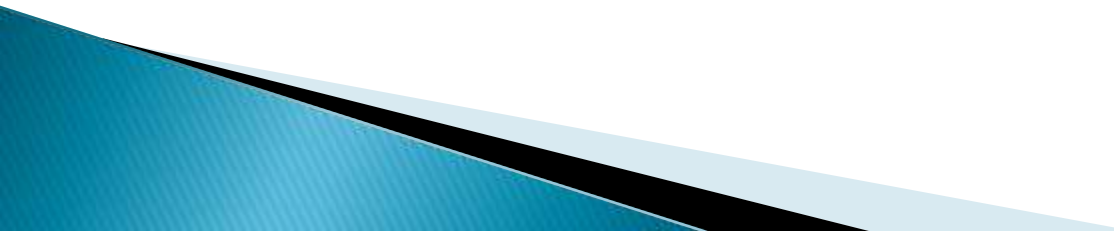
- ▶ Proposal to host network in Ministry of Water and Irrigation– Directorate of land reclamation– in partnership with ICRAF
- ▶ Function of the Ministry of water and Irrigation include: water supply, water resources development and management, irrigation, and water storage and land reclamation



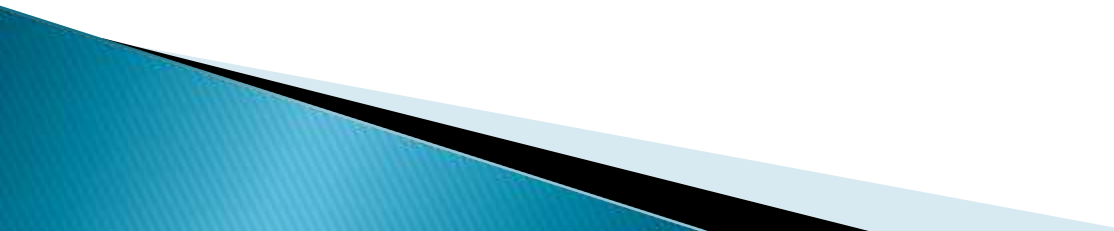
# Directorate of land reclamation

- ▶ Use spate irrigation technology to reclaim degraded ASAL land in the country—accounting for 80% of the total land area
- ▶ Kenya Vision 2030, MTP II 2013–17— national development blue print made land reclamation a flagship projects and sets a target of reclaiming 50,000 Ha of land in flood prone areas
- ▶ Spate irrigation network will therefore complement the directorate's strategy to reclaim 50,000 Ha

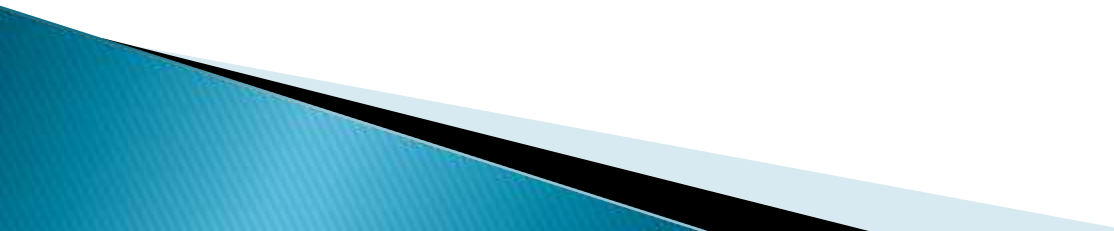
# Why MoWI & land reclamation

- ▶ Mandate for land reclamation and irrigation
  - ▶ Land reclamation is closer to the context
  - ▶ Provides a shorter route to reach target groups and beneficiaries
- 

# Initial network expected outcomes

- ▶ Establish the status of spate irrigation–  
baseline survey
  - ▶ Map out potential areas for spate irrigation
  - ▶ Establish data base on spate irrigation  
stakeholders and visit
  - ▶ Hold conference / forum for spate irrigation  
actors
- 

# Initial network outcomes

- ▶ Liaise with university of Nairobi to incorporate spate irrigation in the curriculum
  - ▶ Liaise with Kenya Water Institute to include unit on spate irrigation in her diploma and certificate courses. Conduct short on spate irrigation
  - ▶ Undertake research on spate irrigation
  - ▶ Lobby for irrigation policy and water harvesting and storage policy to include spate irrigation
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# Comments, clarifications, compliments

- ▶ **Discussion Question:** What is different from your respective country?