



Photo report on Integrated Watershed Management (IWM) training workshops and experience sharing for Africa RISING project local partners in Ethiopia (December 2014)

14-15 Dec 2014: Lemo site

17-19 Dec 2014: Basona site

22-24 Dec 2014: Abraha Atsbaha and
Maichew





Integrated Watershed Management (IWM)

Africa RISING in Ethiopia works closely with partners and farmers to identify and work on model watersheds in three of its research sites. Training workshops and experience sharing visits were organized in Lemo, Basona , Maichew and Abraha Wa-Atsbha to:

1. create common understanding on how to establish model watershed, share responsibilities and work together to implement R&D interventions
2. familiarize workshop participants on various crop, livestock, land/soil, water, tree and other NRM related technologies, practices and approaches that are successfully practiced in different model watersheds/landscapes
3. develop joint action plans for short-term implementation

The Woreda Office of Agriculture at each Africa RISING site will cover the largest portion of the investment and mobilize resources for the physical and biological soil and water management (SWM) interventions. Africa RISING and its research and academic partners will technically backstop the IWM initiative through capacity building and demonstrations of appropriate technologies, practices and approaches.



Introduction on IWM during the training workshop program in Lemo



IWM workshop participants visiting community managed model watershed in Jawe Africa
RISING research kebele in Lemo



Research area:

- Contribution of crop stubbles to improve soil properties and crop productivity
- Roles of different SWC structures on water recharging capacity at different scales

Multipurpose desho grass (*Pennisetum pedicellatum*), soil bund and trenches for SWC and improving productivity of a watershed in Jawe Africa RISING research kebele in Lemo



Topsoil erosion from unprotected landscape adjacent to a model watershed site in Jawe- Lemo



Experts discussing with a farmer on potential niches for harvesting water in Jawe, Lemo



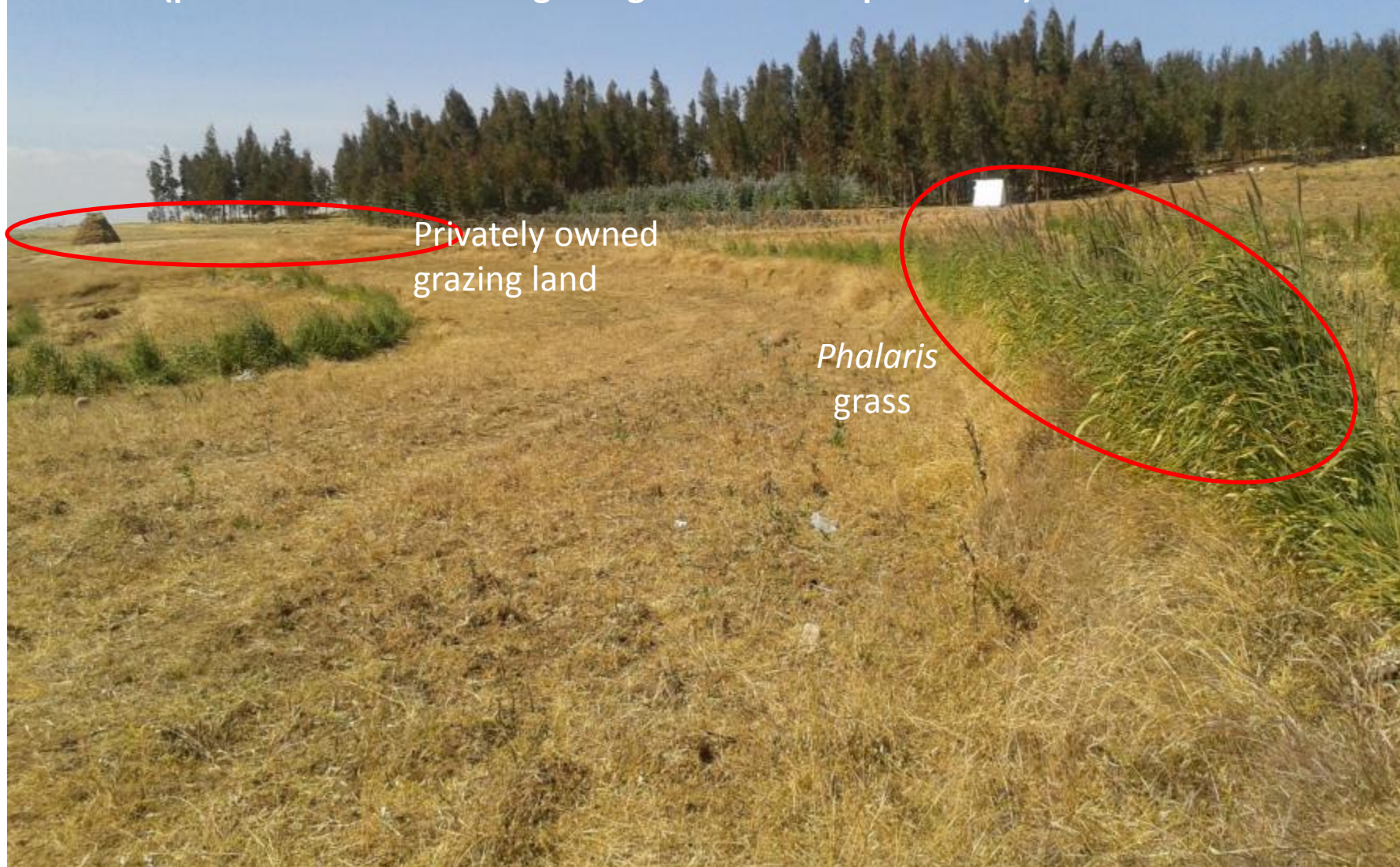
Presentation on water harvesting and gully rehabilitation experiences from Tigray during the workshop in Debre Birhan Basona Africa RISING site



Basona woreda agricultural office head explaining the IWM initiative to workshop participants in Gudo Beret Africa RISING kebele

Research area:

management and utilization of introduced forages, fodder trees and existing feed sources (private and communal grazing lands and crop residues)



Privately owned
grazing land

Phalaris
grass

Community managed model watershed with different SWM interventions in Gudo Beret Africa
RISING research Kebele- Basona site



Tree lucerne planted along physical SWM structures in the watershed at Gudo Beret Africa
RISING research kebele



Eucalyptus species

Regenerated *Junipera procera* under planted Eucalyptus species

Regeneration of *Junipera procera* in degraded upstream of a landscape that is planted with Eucalyptus species (serving as a foster tree) in Basona Africa RISING site



Check-dam ponds constructed by communities for multiple uses in Abraha Wa-Atsbaha, Tigray



Local partners (extension and farmers from Lemo and Basona) learn success stories of IWM initiatives of Abraha Wa-Atsbaha, Tigray



Wells developed as a result of IWM (gully rehabilitation, hill side restoration, enrichment planting, construction of trenches and check dams) - used to irrigate and grow food crops and fruit trees



Food and cash crops produced from water from check dam ponds and wells



Africa RISING CGIAR partners in Ethiopia





Africa RISING local partners in Ethiopia

- **Academic institutions:**
 - Wachemo, Mekelle, Madawolabu, Debre Berhan and Hawassa universities; Maichew Agricultural College
- **Regional research organizations:**
 - Amhara Regional Agricultural Research Institute, Southern Agricultural Research Institute, Tigray Agricultural Research Institute, Oromia Agricultural Research Institute
- **Federal research organizations:**
 - Ethiopian Institute for Agricultural Research, Ethiopian Health and Nutrition Research Institute
- **Offices of Agriculture:**
 - Endamekoni (Tigray), Basona Worena (Amhara), Lemo (SNNRP) and Sinana (Oromia)
- **Agricultural Transformation Agency**



Credits

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Our appreciation goes to team members and local partner organizations including farmers in Africa RISING project sites in Lemo and Basona.



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