አሳታፊ እና የተሻሻሉ የመኖ ልየታ ምርምር ሰራዎች የመስክ ምልከታ ቀን

በብላቴ ዙሪያ ወረዳ ሾንዶሎሊዎ እና ሃንጃጎሮ ቀበሌ

Farmers Field Day on Forage TRICOT Trials Under EthiopiaGrass Project at Bilate Zuria District

ታህሳስ- 13- 2016

አሳታፊ እና የተሻሻሉ የመኖ ልየታ ምርምር

የኢትዬጵያ ግራስ ፕሮጀክት አላማ የገበሬዎች አስተያየት የተቀናጀበት ዘዴን በመተግበር እጅግ ምርታማ እና የአፈር መሸርሸርን የሚከላከሉ የግጦሽ ቴክኖሎጂዎችን በአነስተኛ የአርሶ አደር ይዞታዎች እና የተለያዩ የምርት አካባቢዎች መለየት ነው።

ዜጎችን አሳታፊ ባደረገው ሳይንሳዊ ምርምር በኩል የሚመነጨው መረጃ በመኖ ባህሪያት እና በሥርዓተ-ፆታ ልዩነት የተነሳ ያሉ የቴክኖሎጂ ቅበላ ልዩነቶች ላይ ግንዛቤን ያሳያል በሚል መላምት መሰረት ከሰሜን እና ደቡብ የኢትዮጵያ ክፍሎች ከተውጣጡ 600 ገበሬዎች ጋር በስፋት በአርሶ አደር የሚመራ የመኖ ልየታ ስራ እየተሰራ ይገኛል::

በመሆኑም ከሐምሌ 2015 ዓ.ም ጀምሮ ተሳታፊዎች ሶስት የተለያዩ የሳርና ጥራጥሬ ድብልቆችን በማሳ ላይ ለማሳደግ እና ለማነፃፀር ተመዝግበዋል። በሁለት ዑደቶችም እስከ አራት አዝመራዎች ተካሂደው ውጤታቸው ክፍት ምንጭ የዲጂታል መድረክን በመጠቀም ተመዝግቧል።

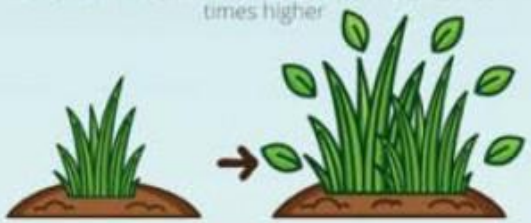
ዜጎችን አሳታፊ ባደርገው ሳይንሳዊ ጥናት በኩል በተገኘው ግንዛቤ መሰረት፣ ለተመረጡት የመኖ ቴክኖሎጂዎች እድገት ተስማሚ የሆኑ ተመሳሳይ የአግሮኢኮሎጂያዊ መልክአ ምድሮችን በመለየት እና የማህበረሰብ ሁኔታን እንዲሁም የገበያ ትስስርን በማገናዘብ የተመረጡ ዝርያዎችን የማስፋፋት ስራ ይቀጥላል።

EthiopiaGrass project has implemented an approach where farmers' opinions are integrated in identifying the most climate robust, productive, and soil-protecting forage technologies under smallholders' marginal and heterogeneous production environments.
With the hypothesis that data generated through citizen science can reveal insights into farmer-preferred traits and gender-specific differences in technology adoption, a total of 600 farmers from northern and southern parts of Ethiopia have been engaged in a large-scale farmer-led grassland testing trial. Since July 2022, participants are registered to grow and compare three different grass-legume mixes on their fields. Up to four harvests have been carried out in two cycles and documented using an open-source digital platform that manages experimental citizen science project in agriculture, primarily crop variety testing.

Based on insights attained from the citizen-science based research, we will proceed with identifying similar agroecological landscapes that are suitable for upscaling of the selected technologies. Using bio-economic household level modeling, we will also investigate the synergies and trade-offs of technology adoption across household types and deduct lessons at landscape scales.

1

Improved **forage varieties** had **2.5** times higher **biomass** than their local controls



2

Improved **leguminous forages** increased **milk** by **39%**

3

Improved **leguminous forages** increased **manure** by **42%**

4

When **forages** were **integrated/ intercropped** with food crops, **soil loss** was almost halved

5

soil organic carbon increased by around **10%** and **grain yields** increased by **60%**

Tropical forages can deliver multiple benefits in sub-Saharan Africa

Alliance

Bioversity International

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CGIAR RESEARCH PROGRAM ON Livestock