

Climate-Smart Small Ruminant Innovations (Smart Pack) Implemented by Universities

Berhanu Belay | Tesfaye Getachew | Aynalem Haile

Implementation Report



AICCRA
Accelerating the Impact of CGIAR
Climate Research for Africa



Climate-Smart Small Ruminant Innovations (Smart Pack) Implemented by Universities

**Accelerating Impacts of CGIAR Climate Research for Africa
(AICCRA)**

December 2022

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To cite this report

Belay B, Getachew T, Haile A. 2022. Climate-Smart Small Ruminant Innovations (Smart Pack) Implemented by Universities. Implementation Report. Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA).

About AICCRA reports

Titles in this series aim to disseminate interim climate change, agriculture, and food security research and practices and stimulate feedback from the scientific community.

About AICCRA

The Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA) project is supported by a grant from the International Development Association (IDA) of the World Bank.

Contact us

Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA). Email: aiccra@cgiar.org

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Acknowledgments

The Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA) project is supported by a grant from the International Development Association (IDA) of the World Bank. IDA helps the world's poorest countries by providing grants and low to zero-interest loans for projects and programs that boost economic growth, reduce poverty, and improve poor people's lives. IDA is one of the largest sources of assistance for the world's 76 poorest countries, 39 of which are in Africa. Annual IDA commitments have averaged about \$21 billion over circa 2017-2020, with approximately 61 percent going to Africa.

About the authors

Berhanu Belay is a Consultant at the International Center for Agricultural Research in the Dry Areas (ICARDA).

Tesfaye Getachew is Research Management Coordinator at the International Center for Agricultural Research in the Dry Areas (ICARDA).

Aynalem Haile is a Principal Scientist in small ruminant breeding at the International Center for Agricultural Research in the Dry Areas (ICARDA).

Climate-Smart Small Ruminant Innovations (Smart Pack) Implemented by Universities

Background

The International Center for Agricultural Research in the Dry Areas (ICARDA), in partnership with ILRI and Ethiopian NARs, has been pilot-testing climate-smart integrated small ruminant value chain development innovations (Smart Pack) over many years in Ethiopia. Smart pack encompasses innovations such as sheep and goat genetics, improved feeding, gender capacity development and transformation, herd health package and marketing. Results of the evaluation of the implementation of the Smart Pack have revealed that such packages are technically feasible to implement and result in the improvement of the livelihood of the resource-poor. Therefore, they are ready to scale. Consequently, we worked with Ethiopian Universities to see if they could assist in the scaling of the innovations in nearby villages to meet their teaching, research and community service mandate. Our sustained effort has resulted in 16 Universities investing in establishing 42 breeding cooperatives involved in implementing Smart Pack.

Objective

- To introduce Smart Pack innovations in villages supported by Universities

Procedures

- Awareness creation at different levels, including University staff, livestock keepers, extension staff in the villages
- Capacity building for each all actors
- Cooperative establishment
- Field implementation of Smart Pack
- Close monitoring of the implementation

Output

- 16 universities, 42 Villages (37 men-led and 5 women-led) and 4200 members (21,000 small ruminant keepers) involved in Smart Pack implementation.

Evidence

- Letters from the Universities are included below.



ደብረ ብርሃን ዩኒቨርሲቲ
የጥናትና ምርምር እና የህብረተሰብ አገልግሎት ም/ፕሬዚዳንት ጽ/ቤት
Debre Berhan University
Research and Community Service Vice President Office

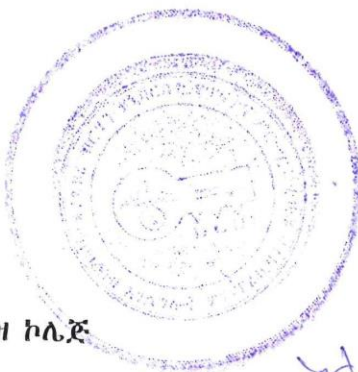
ቁጥር/Ref.No RCSVP/ 1469/14 /11-64

ቀን/Date 16 /06/2014

ለመ/ር ሁሉንም ጋተው
ደ/ብ/ዩ

ጉዳዩ:- ለምርምር ስራ የሚሆን ገንዘብን ስለመፍቀድ

በዩኒቨርሲቲው ስፓንሰርነት ምርምር ለማካሄድ መ/ር ሁሉንም ጋተው፣ መ/ር አማራ ምግብ፣ ዶ/ር መከተ በቀለ፣ ዶ/ር አድማሱ ላቀው፣ ዶ/ር የሀንሰ ሙሉነህ፣ ዶ/ር ካሳሁን በቀለ፣ መ/ር ኤደን ደረጀ፣ መ/ር አንሙት ጣፈጥ “Scaling Up of Community Based Breeding Program for Menz Sheep Through Selective Breeding Practices” ርዕስ ላይ ያቀረቡት ፕሮፓላ ተገምግሞ በአጠቃላይ 590,753 (አምስት መቶ ዘጠና ሺህ ሰባት መቶ ሃምሳ ሶስት ብር)፣ 128,448 ብር (አንድ መቶ ሃያ ስምንት ሺህ አራት መቶ አርባ ስምንት ብር) ለስራ ማስኬጃ እና 462,305 (አራት መቶ ስልሳ ሁለት ሺህ ሶስት መቶ አምስት ብር) ለግብአት ግዢ የወደቀላቸው ሲሆን የተፈቀደላቸውን ገንዘብ ከምርምር ቢሮ ጋር በያዙት ወልልና በፋይናንስ ህግ መሰረት እንዲያወጡና እንዲያወራርዱ እየገለፅኩ ለአፈፃፀም ይረዳ ዘንድ የፕሮጀክት ደክመንቱንና ሌሎች ሰነዶችን ጨምሮ 40 ገጽ አባሪ ተደርጎ የተላከ መሆኑን አሳስባለሁ፡፡



"ከሰላምታ ጋር"

(Handwritten signature)
 ገዛቤን ደግሎ (ዶ/ር)

ግልጻዎ//

- ⬇ ለጥናትና ምርምር ዳይሬክቶሬት
 - ⬇ ለግብርናና ተፈጥሮ ሃብት አያይዝ ኮሌጅ
- ደ/ብ/ዩ፣**

(Handwritten signature)
 የጥናትና ምርምርና የህብረተሰብ አገልግሎት ም/ፕሬዚዳንት



ቁጥር/Ref:- VPAA/01/679/2022
ቀን/Date:- March 03, 2022

To: **International Center for Agricultural Research in the Dry Areas (ICARDA)**

Addis Ababa, Ethiopia

Subject: **To announce allocated budget for Community Based Breeding Program (CBBP)**

As indicated on the subject, Haramaya University is working in collaboration with the International Center for Agricultural Research in the Dry Areas (ICARDA) on the Hararghe Highland Goat community-based breeding program for genetic improvement. For this work, Haramaya University has recruited two enumerators (data collectors) on a yearly contractual basis with a monthly salary of 3958 birr each. Besides, the University vice President for Academic Affairs Office has occasionally been supporting the focal person and data collectors through paying per diem and purchasing necessary inputs. These pays an amount to over 50,000 per quarter. In the future, the program is planned to be accommodated under the University research system.

Sincerely yours,

Prof. Mengistu Urge Leta (PhD)
Vice President
for Academic Affairs





Ref. No: ASU/UPRCS/2425
ቁጥር
Date: 20/02/14
ቀን

To: Dr. Befikadu Zewdie
Assosa University

Subject: Acceptance letter

I am delighted to notify you that your research proposal entitled with "Establishing Community Based Goat Breeding Program in Bambasi District of Benishangul Gumuz Regional State, Ethiopia" is accepted by the Research and Community Service Standing Committee (RCSSC) of the University [signed minute on 4, December, 2021]. The university will cover all the required costs including personal cost, transportation and maternal cost for the research work. The total amount budgets approved for this research work for five consecutive year is 2,500,000 ETB (Two million five hundred thousand birr). The budget will be released once the necessary requirements are fulfilled. With this letter the Research Directorate and College of Agriculture and Natural Resource are ordered to manage the release of budget according to the rule and the regulation of the university.

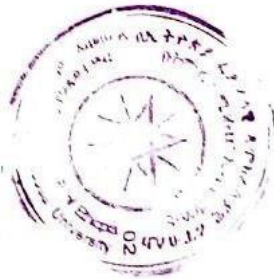
Once again thank you very much your participation and contributions!

Sincerely yours,

ሀገራዊ ጥናት ዲሳና ማሩ (ዶ.ሮ)
Hatmanot Disassa Maru (Dr.)

Cc

- ☛ Res. Com. Ser. M. Pres.
 - ☛ President of ASU
 - ☛ Research Directorate
 - ☛ Finance and Budget Administration Directorate
 - ☛ Procurement and Resource Administration Directorate
 - ☛ College of Agriculture and Natural Resource
 - ☛ College of Agriculture and Natural Resource R/T/I/T/Coordinator
 - ☛ Oumer Sherif (PhD Candidate)
 - ☛ Mr. Asnakew Asefa
 - ☛ Dr. Shubabaw Begano
 - ☛ Mr. Dejene Teshome
 - ☛ Dr. Biruk Kebede
- Assosa University





ጁንቫ ዩኒቨርሲቲ
Jinka University



Vice President for Research and Community Services
ምርምርና ማህበረሰብ አገልግሎት ምክትል ፕሬዚዳንት ጽ/ቤት

ፖ.ሲ.ቁጥር 165
P.O.Box 165
ጁንቫኢትዮጵያ
Jinka, Ethiopia

ቁጥር: ፩፻/ጥ/ማ/ፈ/ገ/ 9836/13
Ref.No.
ቀን: 18/08/2013
Date:

To:

Solomon Debebe (PI)
Hussien Siraj (Co-I)
Yonas Kējela (Co-I)
Dr. Tekle Olbamo (Co-I)

Subject: Letter of Award

It is to be recalled that in response to a call for proposal by our University, you have submitted a proposal entitled **“Establishing Community-Based Breeding Program and Nucleus Breeding of South Omo Highland Sheep for Genetic Conservation and Improvement in the case of North Aari Woreda**, by you and other team members (Co-I). The proposal has been subjected to a rigorous evaluation by panel of reviewers and recommended for funding.

Thus, I am pleased to inform you that the Office of Vice President for Research and Community Services has provisionally approved the same for the period of 3 year. The total project grant award for the period is 498,026 birr (four hundred ninty eight thousand, twenty six birr only).

This is also to request you to sign the research grant award contract agreement with RDO. We wish you success in your research and look forward to receiving outputs of the project.

NB: Both the PI and Co-I’s are expected to carry out original research free of plagiarism; and/or render community service with a measurable impact on the lives of the people. The Office of the VPRCS will make a regular follow-up of the activities in the course of time.

With Regards,

Cc:

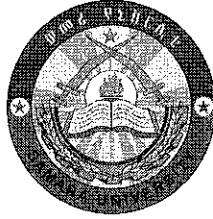
- President Office
 - VP for Research and Community Services
 - VP for Academic Affairs
 - VP for Administration and Student Services
 - VP for Business and Development
 - Finance and Procurement Directorate
 - Plan and Budget Directorate
 - RDO
 - CSD
 - College of _____
 - Department of _____
- JKU**



ለቶ ለሌሙ ወልደሰላሴ ተሎሬ
Mr. Alemu Woldesilassie Telore

ምርምርና ማህበረሰብ አገልግሎት ምክትል ፕሬዚዳንት
for Vice President For Research & Community Services

በኢትዮጵያ ፌዴራላዊ ዲሞክራሲያዊ ሪፐብሊክ ትምህርት ሚኒስቴር
 ሠመራ ዩኒቨርሲቲ
 ምር/ማህ/አገ/ም/ፕሬዝዳንት ጽ/ቤት
 ሠመራ፣ ኢትዮጵያ



The Federal Democratic Republic of Ethiopia
 Ministry of Science
 Samara University
 R/C/S/V/President Office
 Samara, Ethiopia

ቁጥር/Ref.no/ቀን/Date
 01/07/2014
 01/07/2014

ለዓለም አቀፍ ደረቃማ አካባቢ የግብርና ምርምር ማዕከል (ICARDA)

አዲስ አበባ፣ ኢትዮጵያ፣

ጉዳዩ፡- የCBBP ቅድመ ስራ እቅድ መፅደቅን ስለማሳወቅ፤

እንደሚታወቀው የሠመራ ዩኒቨርሲቲ የምርምርና ማህበረሰብ አገልግሎት ጽ/ቤት በክልሉ ዘርፈ ብዙ የምርምርና የማህበረሰብ አገልግሎት ስራዎችን በማከናወን ይገኛል። በመሆኑም በ2014 ዓ.ም እንዲሰሩ ከታቀዱ የማህበረሰብ አገልግሎት ፕሮጀክቶች መካከል አንዱ “Implementing Community Based Breeding Program (CBBP) for Afar goat breed in Aysaita District, Afar Regional State, Ethiopia” ሲሆን ይህ የፍጥነት ዘርፍን ማሻሻል ፕሮግራም በICARDA አበረታች ክትትል ቅድመ ስራ እቅድ/ፕሮፖዛል/ በባለሙያ ተዘጋጅቶና ተገምግሞ በዩኒቨርሲቲያችን ተቀባይነት አግኝቷል። ስለሆነም ይህ ፕሮጀክት ለተለተከታታይ አምስት ዓመታት የሚቀጥል ሲሆን የተመደበለት ጠቅላላ በጀት ብር 2,346,088.0 (ሁለት ሚሊዮን ሰባስት መቶ አርባ ስድስት ሺ ሰማንያ ስምንት ብር) መሆኑን እያመላከትን በአናነተ በኩል የሚደረጉልን የክትትልና የባለሙያ አቅም ግንገባታ ስራዎች፣ የማቴሪያልና የቴክኒካል ድጋፎቻችሁን በቀጣይነት እንደምናገኝ ተስፋ እያደረግን የCBBP ቅድመ ስራ እቅድ ፀደቆ ወደ ሥራ መገባቱን እናሳውቃለን።



//ከሠላምታጋር//
 ሐሰመድ አህመድ ያሲን
 ምር/ማ/አገ/ም/ፕሬዝዳንት

ግልባጭ፤

- ለም/ማ/አገ/ም/ፕ/ጽ/ቤት
 - ለህፀ/ዝ/አካ/ ግብርና ኮሌጅ
 - ለእንስሳት ሳይንስ ት/ት ክፍል
- ሠመራ ዩኒቨርሲቲ፤



ቁጥር ደታዩ/ማህ/639/14
Ref.No.
ቀን 03/08/2014 ዓ.ም
Date

ለግብርናና አካላዊነት ኮሌጅ
ደብረ ታቦር ዩኒቨርሲቲ፤

ጉዳዩ:- ውል እንድታስይዙ ስለማሳወቅ፤

በ2014 ዓ.ም “Conservation and improvement of Farta sheep through selection for sustainable utilization in South Gondar Zone of the Amhara National Regional state, Ethiopia” በሚል ርዕስ የሚሰራ የማህበረሰብ አገልግሎት ስራ በዚህ ሽኝ ደብዳቤ ጋር 1 ገጽ አባሪ አድርገን የበጀት ድልድል አድርገን የላክን መሆኑን እየገለጽን ተመራማሪዎችን ውል እንድታስይዙ እና ስራውን እንድትከታተሉ እናሳወቃለን።



“ ከሠላምታ ጋር “

አዳዳሪ አዲስ ሽኝ
Adeladiew Diresse Shie

/ገደ

ግልባጭ፤

- ለምርምርና ማህ/አገ/ም/ፕ/ጽ/ቤት
- ለምርምርና ህትመት ዳይሬክቶሬት
- ለኢን/ትስሰርና ቴክኖሎጂ ሽ/ዳይሬክቶሬት
- ለአለቃ ገብረ ሐና የባህል ጥናት ዳይሬክቶሬት

የማህበረሰብ አገልግሎት
ዳይሬክቶሬት ዳይሬክቶር
Community Service
Directorate Director

ደብረ ታቦር ዩኒቨርሲቲ፤

2014 E.C Agriculture and Environmental science college CS project proposal budget breakdown

1	Topic: Conservation and improvement of Farta Sheep through selection for sustainable utilization in South Gondar Zone of the Amhara National Regional State, Ethiopia				
	Authors: Welelaw Edmew, Alubel Alemu, Mekuanint Bikis, Birhanu Yeserah, Melese Dejen, Hirut Ketemaw, Mekuanint Gashaw, Rediat Mammo	6231	perdiem for service providers	5p*3d*3t *340Br	15300
		6214	Medication	lampusum	1000
	Department: Animal Science		Subtotal		137,425
	Total No of participants:- M= 6 F= 2 T= 8		Contingency	5%	6871.25
			G.Total		144296.25






*TC/Ref. No/የምርምር/አገልግሎት/.../1034/14
ቀን/Date .../10/09/14

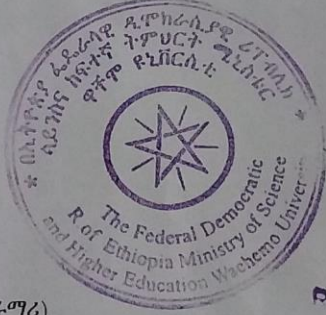
ለአንስሳት ሳይንስ ት/ት ክፍል
ዋቸም ዩኒቨርሲቲ፡-

ጉዳይ፡ የበግ ምርታማነት ማሻሻያ ፕሮጀክት ሥራ በማመልከት፡-

በዋቸም ዩኒቨርሲቲ ምርምር ማህበረሰብ አገልግሎት ም/ጽ/ቤት ዘርፍ ማህበረሰብ አገልግሎትና አጋርነት ዳይሬክቶሬት በዕቅድ ይዞ ከሚያከናውናቸው ዋና ዋና ተግባራት አንዱ ለአካባቢው ህብረተሰብ ደረጃውን የጠበቀ ስልጠና አገልግሎት፣ የማማከር አገልግሎት፣ አውትሪች/ልማት ስራዎች እና ሌሎች ሙያዊ ድጋፎችን ልምድ ባላቸው ባለሙያዎች ማከናወን መሆኑ ይታወቃል። ስለሆነም በ2014ዓ.ም በግብርና ሳይንስ ኮሌጅ አንስሳት ሳይንስ ት/ት ክፍል መምህራን አማካይነት ለአካባቢው ማህበረሰብ ከፍተኛ ፋይዳ ያለውን የፕሮጀክት ምክራ-ሀሳብ በ"Implementing community Based Sheep Breeding Program in Lemo Woreda Hadiya Zone" በሚል ርዕስ ለሰጩት ዓመት የሚሰራ ፕሮጀክት በመምህር ቦጋለ ወልዴ (ዋና ተመራማሪ)፣ መምህር ወንድሙ አየለ፣ መምህር ደግነት ኃ/መስቀል፣ መምህር ሠላሙ አብርሃም እና መምህር ሙሉቴታ ከባሞ የቀረበ መሆኑ የሚታወቅ ነው። በመሆኑም በ/ማ/አ/ም/ፕሬዚዳንት ዘርፍ ካውንስል ጸድቆ ለማንጅመንት ቀርቦ እንዲሰራ የተወሰነ ፕሮጀክት ስለሆነ የኒቨርሲቲው በምክራ-ሀሳብ የቀረበውን በጀት ብር 400,000 (አራት መቶ ሺህ ብር) በማህበረሰብ አገልግሎት ዓመታዊ ዕቅድ ውስጥ በማካተት ፕሮጀክቱን የሚያከናውን መሆኑን አየገለጽን ተመራማሪዎቹም ከተለያዩ መንግስታዊና መንግስታዊ-ካልሆኑ አጋር ድርጅቶች ጋር በመተባበር ፕሮጀክቱን ውጤታማ ለማድረግ የበኩላቸውን ኃላፊነት እንዲወጡ እና ት/ት ክፍሉም ፕሮጀክቱን እንዲከታተልና እንዲደግፍ ከወዲሁ እናሳስባለን።

ግልባጭ፡-

- ለፕሬዚዳንት ጽ/ቤት
- ለም/ማ/አ/ም/ፕ/ጽ/ቤት
- ለአስተ/ተማ/አ/ም/ፕ/ጽ/ቤት
- ለግ/ሳ/ኮሌጅ
- ለግ/ሳ/ኮ/ማ/አ/አስተባባሪ
- ለመምህር ቦጋለ ወልዴ (ዋና ተመራማሪ)
- ለማህበረሰብ አገልግሎትና አጋርነት ዳይሬክቶሬት ዋቸም ዩኒቨርሲቲ



//ከሰላምታ ጋር!!

የምርምርና ማህበረሰብ አገልግሎት ምክትል ጽ/ቤት
Research and Community Service
Vice President



AICCRA
Accelerating Impacts of CGIAR
Climate Research for Africa



About AICCRA

Accelerating Impacts of CGIAR Climate Research for Africa (AICCRA) is a project that helps deliver a climate-smart African future driven by science and innovation in agriculture.

It is led by the Alliance of Bioversity International and CIAT and supported by a grant from the International Development Association (IDA) of the World Bank.

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