African Chicken Genetic Gains

ACGG Ethiopia Overview

Solomon Abegaz, EIAR

The Ethiopian Institute of Agricultural Research coordinates the project in collaboration with regional (sub-national) research institutes and Urban agriculture office of Addis Ababa.

Five regions are selected for implementation of the project.

A total of 22 districts

6 districts in Oromia, 5 districts in each of Amhara and SNNPR, 4 districts in Tigray and 2 districts in Peri-urban Addis Ababa

63 villages throughout the country (three districts in Tigray have only two villages while all other districts have three villages)
Selection of Regions (sub-nationals)
2015 Activities and Achievements

• Site selection for implementation of the project
• MOU prepared and signed with the sub-nationals
• Ethiopian Innovation platform formed
• Ethiopia National Launch
• Recruitment and training of supervisors and enumerators
• Undertake baseline survey
• Identification of breed to be considered in the project
• Identifying infrastructure and procurement of equipments for hatchery, on-station and on-farm test
• Capacity building: two short term higher level trainings
MOU signed with the regions

- Duties and responsibilities of parties
- Included activities to be accomplished
- The budget breakdown for the whole life of the project
- Reporting schedule for the whole life of the project
- Signed between the DG of EIAR and Director (Deputy) of the regions
• Conducted on the 3rd and 4th of August, 2015
• Attended by large number of stakeholders
• 36 men and 14 women attended
• 16 participants representing private sector
• Important activities have been identified as fast rolling actions in the area of
  • Policy review
  • Poultry health
  • Poultry feed
  • Poultry marketing and consumption
  • Gender (women and youth)
  • Genotype identification
  • Training and training material development
Ethiopian Innovation platform

Participant Composition

- Farmers: 31%
- Hatchery: 32%
- Feed: 8%
- Equipment importers: 3%
- Policy: 3%
- Research: 5%
- Training: 5%
- Extension: 3%
- Vaccine production - public: 3%
Achievements in the six months after IP

- Develop vaccines packages with small (50 and 100) doses
- Develop Vaccines for Marek’s disease (one strain) within the country and test is under way; Development for other strains is also under way
- Develop Guidelines for NCD, Marke’s and IBD (Gumboro)
- Policy reviews are drafted
- A manual on poultry disease has been drafted and under review
- A draft training manual on poultry production drafted, reviewed once and under final review
National Launch of the ACGG Project

• Attended by relevant officials
• The state Minister for livestock
• The head of veterinary service
• Deputy director of EIAR
• President of ESAP
• Directors/deputy directors of regional (sub-national) research
• Private sector
• Representatives of extension service at national and sub-national levels
National Launch of the ACGG Project

Launches by the State Minister’s speech

- The poultry sector is well aligned to the Climate Resilient Green Economy (CRGE) strategy of the country
- The ACGG will contribute to the achievement of the livestock Master plan and the second growth and transformation plan (GTP2) of the country.
- The project is in line with the government policies and strategies
- The Ministry is committed to support the project deliver expectations
- Monthly reporting session have been started with the state minister
Recruitment and training of supervisors and enumerators

- 30 enumerators and 8 supervisors were recruited
- A ten-day training (from 31 August to 9 September) conducted at Holleta Agricultural Research Center, EIAR
- 28 enumerators and 8 supervisors attended the training
- Training – face to face, Open data kit (ODK) use, role play, field test in pair and individually
Baseline  Preliminary results

• Completed in 1260 households
• Preliminary results

Baseline-preliminary.docx
Identification of breed to be considered in the project

On farm and on-station

• Horro, Kuroiler, Koe-Koek, Sasso T44, Embrapa51

Embrapa 51

• Koe Koek

Kuroiler

Sasso

Horro

• Fayoumi (On-station)?
Identifying infrastructure and procurement of equipments for hatchery, on-station and on-farm test
Capacity building

• Facilitation training for Co-PI, NC and SNC
• Advanced course
  • Design and implementation of breeding programs for smallholder poultry farmers
  • Fundamentals of data analysis and mixed linear models in animal breeding
<table>
<thead>
<tr>
<th>Activity</th>
<th>Start date</th>
<th>End date</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conduct and finalize district level innovation platform meetings</td>
<td>January 30, 2016</td>
<td>15 April, 2016</td>
<td>SNCs and Co-PI</td>
</tr>
<tr>
<td>Finalize preparation of facilities for on station test</td>
<td>February 1, 2016</td>
<td>March 31, 2016</td>
<td>NPC, PI and CO-PI</td>
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<tr>
<td>Finalize identification of brooding facilities for on farm test chicks in all the five SNZ and finalize contractual agreements</td>
<td>February 8, 2016</td>
<td>April 7, 2016</td>
<td>NPC, SNC, Co-PI</td>
</tr>
<tr>
<td>Finalize preparation of the hatchery facilities</td>
<td>February 1, 2016</td>
<td>March 31, 2016</td>
<td>PIT, NPC</td>
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<tr>
<td>Make the necessary preparation (import permit, vehicles, equipments) to receive and transport fertile eggs to Debrezeit</td>
<td>February 1, 2016</td>
<td>March 31, 2016</td>
<td>NPC, PIT</td>
</tr>
<tr>
<td>Produce fertile eggs of Improved Horro</td>
<td>February 15, 2016</td>
<td>April 30, 2016</td>
<td>PIT, NPC</td>
</tr>
<tr>
<td>Receive and hatch imported and improved Horro eggs</td>
<td>February 25, 2016</td>
<td>April 31, 2016</td>
<td>PIT, NPC</td>
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<tr>
<td>Dispatch of chicks to SNZ</td>
<td>March 16, 2016</td>
<td>May 20, 2016</td>
<td>PIT, NPC and Co-PI</td>
</tr>
<tr>
<td>Recruitment and training of enumerators and supervisors for on-farm</td>
<td>April 1, 2016</td>
<td>April 15, 2016</td>
<td>SNCs and Co-PI and PI</td>
</tr>
<tr>
<td>Final recruitment of MSc and PhD students</td>
<td>February 1, 2016</td>
<td>March 31, 2016</td>
<td>PI, Co-PI, NPC</td>
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<tr>
<td>Activity</td>
<td>Start Date</td>
<td>End date</td>
<td>Responsible</td>
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<tr>
<td>Transfer of chicken from brooding site to villages</td>
<td>June 1, 2016</td>
<td>July 15, 2016</td>
<td>SNCs, PIT, NPC, Co-PI</td>
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<tr>
<td>Preliminary analysis of Baseline data</td>
<td>April 1, 2016</td>
<td>April 15, 2016</td>
<td>ACGG-ILRI, Co-PI</td>
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<tr>
<td>Second innovation platform meeting</td>
<td>March 22, 2016</td>
<td>March 23, 2016</td>
<td>PI, Co-PI, PICO-EA, NPC, ACGG-ILRI, PIT</td>
</tr>
<tr>
<td>Transfer of chicken to DZ Poultry research farm and Haramaya on-station site</td>
<td>April 20, 2016</td>
<td>May 15, 2016</td>
<td>NPC, PIT and Co-PI</td>
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<td>Data collection on station</td>
<td>April 16, 2016</td>
<td>September 31, 2017</td>
<td>NPC, PI and CO-PI</td>
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<tr>
<td>Data collection on farm</td>
<td>June 1, 2016</td>
<td>November 30, 2017</td>
<td>NPC, SNC, Co-PI</td>
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