African Chicken Genetic Gains

ACGG Ethiopia Overview

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National program design

- 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 through out the country (three districts in Tigray have only two villages while all other districts have three villages)
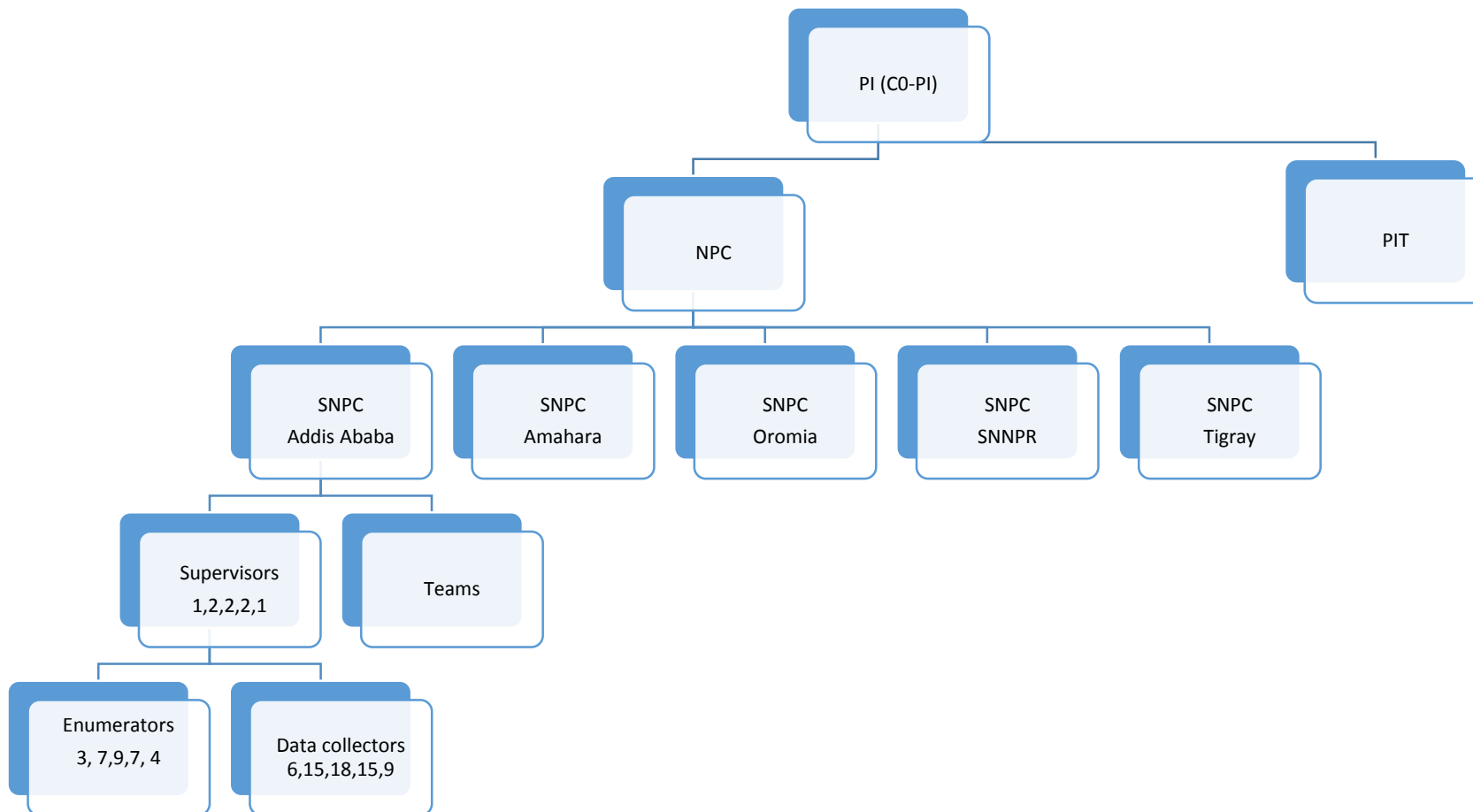
Ethiopian ACGG Structure

- **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

- 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
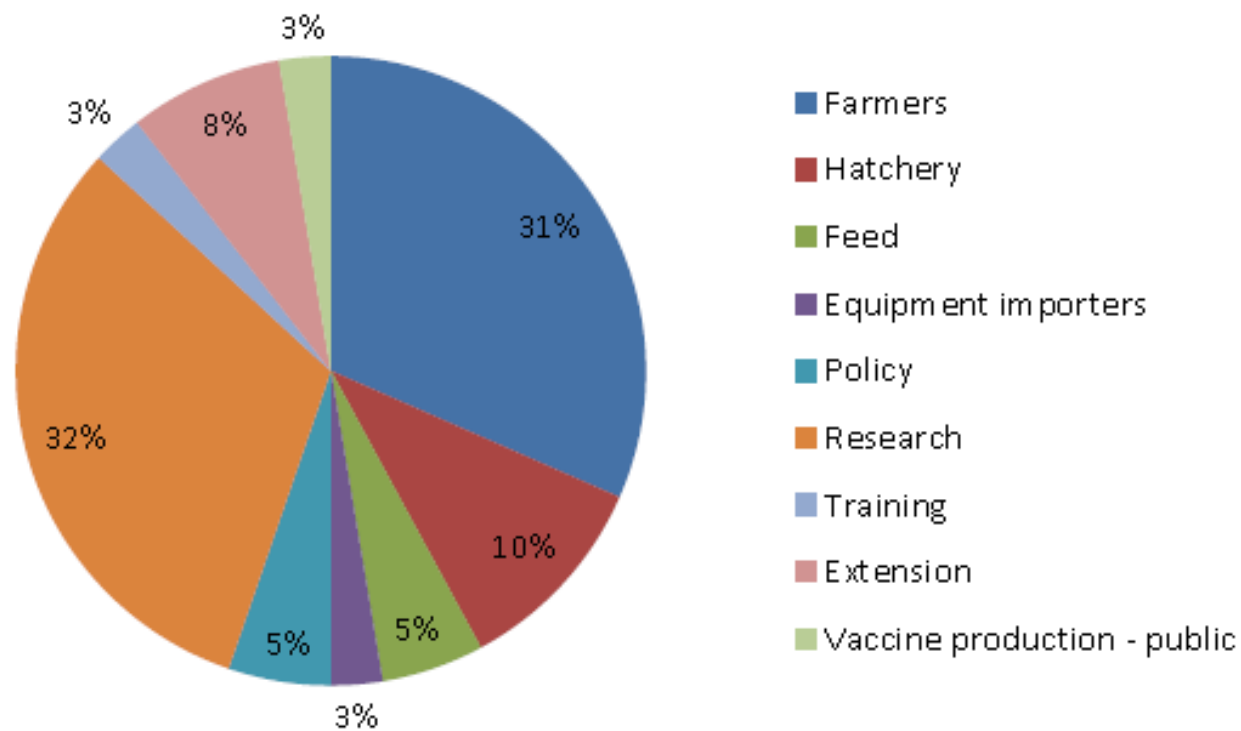
- Signed between the DG of EIAR and Director (Deputy) of the regions

- 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 — 10%
- Feed — 5%
- Equipment importers — 3%
- Policy — 5%
- Research — 32%
- Training — 3%
- Extension — 8%
- Vaccine production - public — 3%

- 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

- Attended by relevant officials
- The state Minster 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

Launched 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

- **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**

- **Completed in 1260 households**
- **Preliminary results**

Baseline-preliminary.docx

On farm and on-station

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

Embrapa 51   Kuroiler

• Koe Koek   Sasso   Horro

• Fayoumi (On-station)?

Identifying infrastructure and procurement of equipments for hatchery, on-station and on-farm test

- 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

Timelines

Activity	Start date	End date	Responsible
Conduct and finalize district level innovation platform meetings	January 30, 2016	15 April, 2016	SNCs and Co-PI
Finalize preparation of facilities for on station test	February 1, 2016	March 31, 2016	NPC, PI and CO-PI
Finalize identification of brooding facilities for on farm test chicks in all the five SNZ and finalize contractual agreements	February 8 , 2016	April 7, 2016	NPC, SNC, Co-PI
Finalize preparation of the hatchery facilities	February 1, 2016	March 31, 2016	PIT, NPC
Make the necessary preparation (import permit, vehicles, equipments) to receive and transport fertile eggs to Debrezeit	February 1, 2016	March 31, 2016	NPC , PIT
Produce fertile eggs of Improved Horro	February 15, 2016	April 30, 2016	PIT, NPC
Receive and hatch imported and improved Horro eggs	February 25, 2016	April 31, 2016	PIT, NPC
Dispatch of chicks to SNZ	March 16 , 2016	May 20, 2016	PIT, NPC and Co-PI
Recruitment and training of enumerators and supervisors for on-farm	April 1, 2016	April 15, 2016	SNCs and Co-PI and PI
Final recruitment of MSc and PhD students	February 1, 2016	March 31, 2016	PI, Co-PI, NPC

Timelines contd..

Activity	Satrt Date	End date	Responsible
Transfer of chicken from brooding site to villages	June 1 , 2016	July 15, 2016	SNCs, PIT, NPC, Co-PI
Preliminary analysis of Baseline data	April 1, 2016	April 15, 2016	ACGG-ILRI, Co-PI
Second innovation platform meeting	March 22, 2016	March 23, 2016	PI, Co-PI, PICO-EA, NPC, ACGG-ILRI, PIT
Transfer of chicken to DZ Poultry research farm and Haramaya on-station site	April 20, 2016	May 15, 2016	NPC, PIT and Co-PI
Data collection on station	April 16, 2016	September 31, 2017	NPC, PI and CO-PI
Data collection on farm	June 1, 2016	November 30, 2017	NPC, SNC, Co-PI