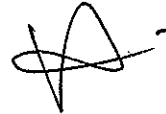
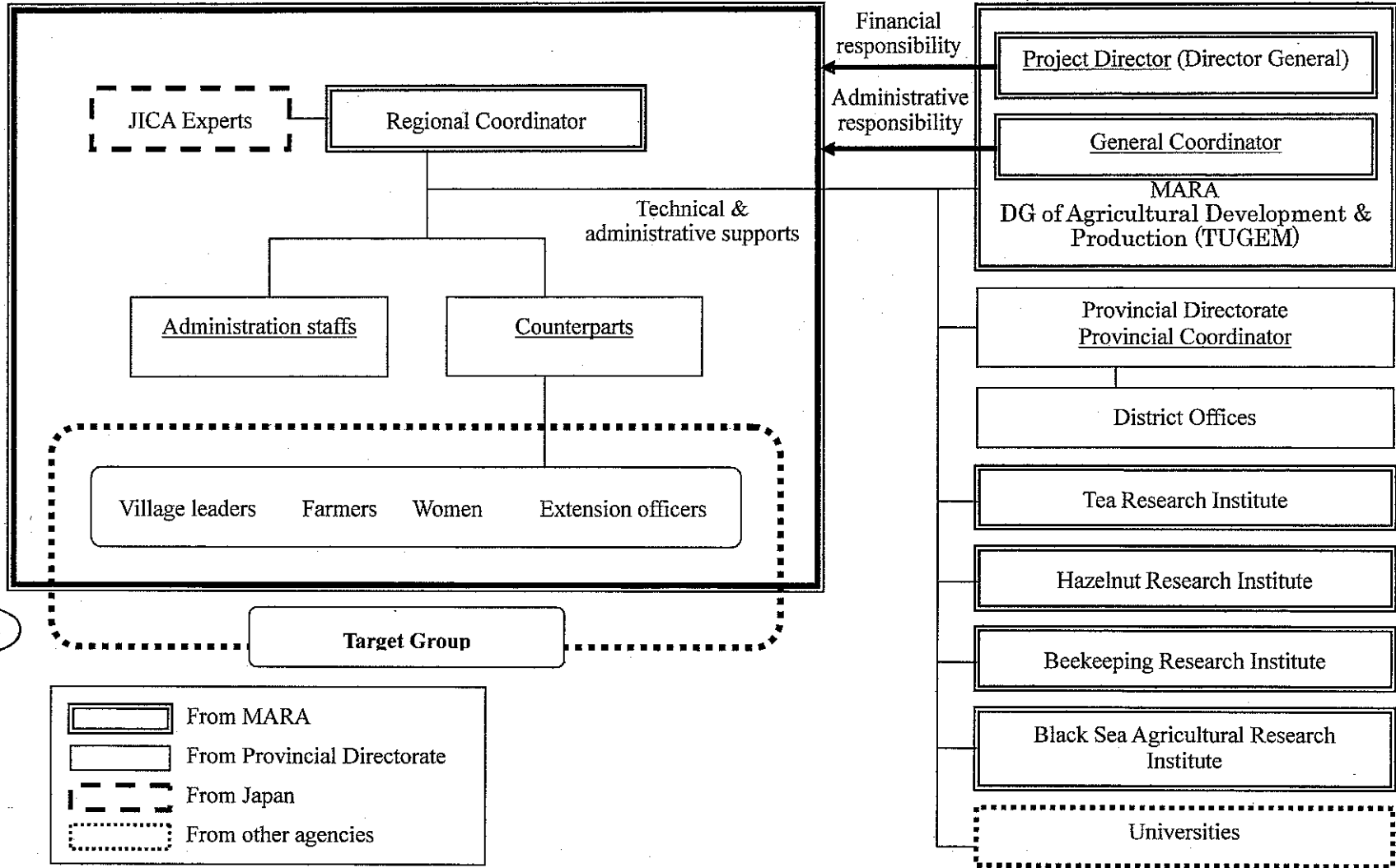


- Annex I** Organization Chart of the Project
- Annex II** Image of the project activities
- Annex III** Framework of Technical Assistance
- Annex IV** Possible project activities based on the findings on field survey
- Annex V** Present Condition of MARA
- a. Present Condition of Each Organization in the Eastern Black Sea Region
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 - 2. Directorate of GİRESUN Hazelnuts Research Institute
 - 3. RİZE Tea and Horticulture Research Institute
 - 4. ORDU Beekeeping Research Institute
 - b. Organization Chart of Each Directorate of MARA
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 - 2. General Directorate of Organization and Support; TEDGEM
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 - c. Major Roles of Each Directorate of MARA
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- a. Attendant List
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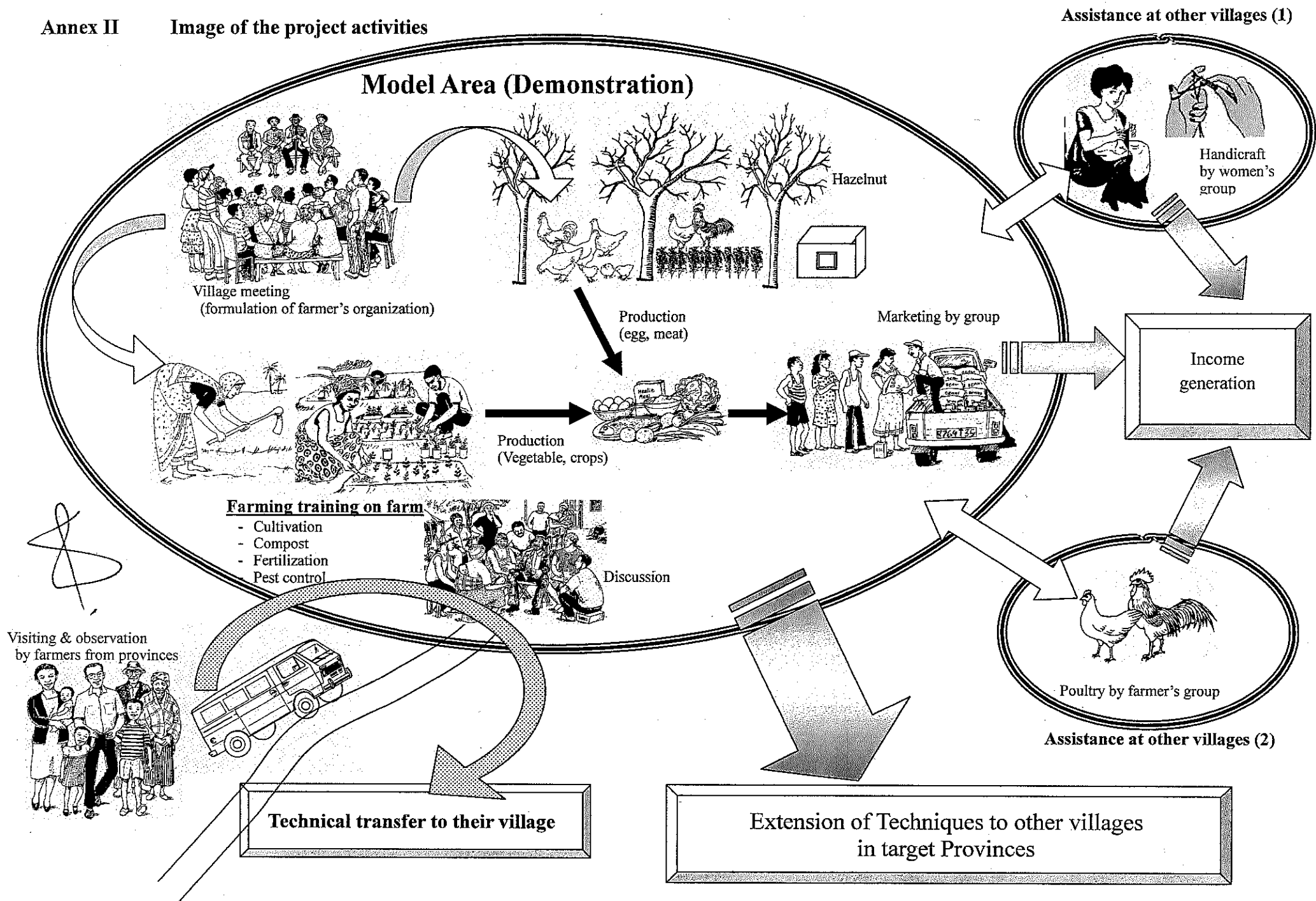


Annex I Expected Organization Chart of the Project

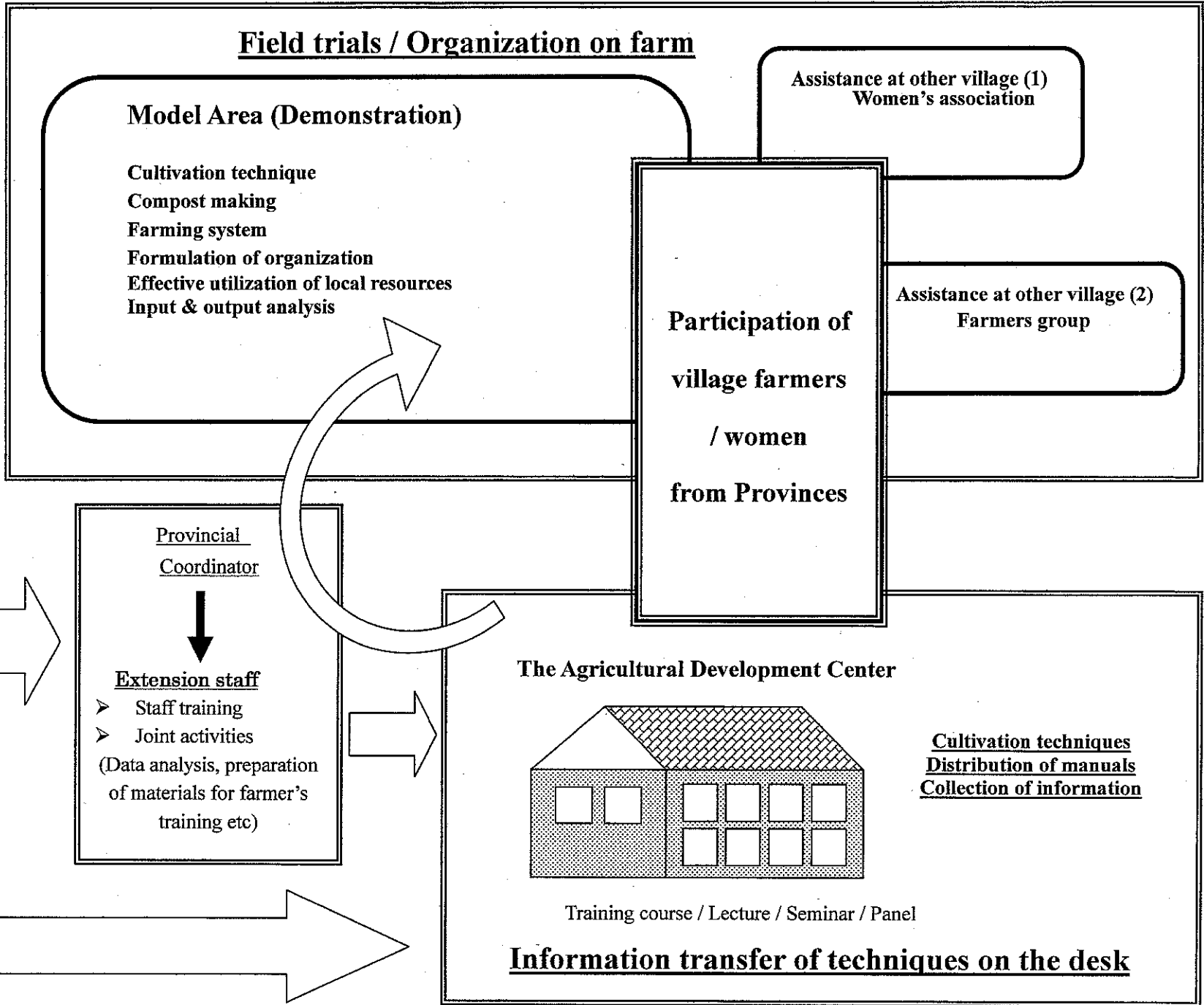


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Annex II Image of the project activities



MARA
 Counterparts
JICA Experts

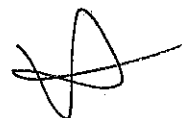


Annex IV Possible project activities based on the findings on field survey

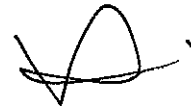
- (1) Improvement of cultivation techniques through recycling and effective utilization of local resources
 - 1) Improvement of seeding and seedling production techniques
 - 2) Improvement of cultivation techniques (ridged, deep plowing, top soil crumbling)
 - 3) Introduction of techniques for compost making by using local resources such as cow manure, fallen leaves and dried grasses
 - 4) Introduction of pest and disease control using natural chemicals
 - 5) Effective utilization of land through the introduction of optimum cropping patterns
 - 6) Improvement of seed production techniques (selection, storage)
 - 7) Improvement of silage production for animal breeding
 - 8) Extension of vegetable production period
 - 9) Effective utilization of land space (in hazelnut fields)
 - Introduction of legume and fodder crop cultivation (fodder beet, alfalfa, clover, cow vetch etc.)
 - Poultry farming

- (2) Acceleration of crop diversification and improvement of their cultivation technique
 - 1) Improvement of cultivation technique for Hazelnut
 - 2) Improvement of cultivation technique for kiwifruit
 - 3) Introduction of cultivation technique for newly introduced crops
Candidate crops: walnut, strawberry, pepper, local cucumber, cherry, eggplant, pepino, persimmon etc

- (3) Assistance for the improvement of women's activities
 - 1) Assistance for the formulation of women's association
 - 2) Assistance for increasing the opportunity of income generation
 - Egg and meat production by poultry farming
 - Introduction of beekeeping
 - Production of milk and processed foods
 - Assistance for the extension of the market
 - Assistance for the production and shipping of handicraft products
 - Assistance for stable production, reduction of expenses and extension of the markets by cooperative shipping



- (4) Assistance for the strengthening of extension activities
- 1) Joint implementation of the baseline survey
 - 2) Assistance for the collection of information and data analysis
 - 3) Assistance for the formulation of agricultural cooperative
 - 4) Assistance for the formulation of women's association
 - 5) Assistance for the strengthening of the daily activities of farmer's supporting system
 - Monitoring survey
 - Technical supports of farmers activities
 - 6) Assistance for the implementation of farm household economy analysis
 - 7) Assistance for the preparation of appropriate manuals best suited for local cultivation technique
 - 8) Assistance for the activation of mutual information exchange between project target group and supporting agencies such as research institutes, universities and provincial and district offices.



Annex V-a-1 Present Condition of General Directorate of Agricultural Production and Development:TUGEM

Organization and Staff	Activities	Facilities and Equipment
<p><u>Organizational Structure (Attached to this document)</u></p> <p><u>Name of Director General</u> Dr. Hüseyin VELİOĞLU</p> <p><u>Number of Deputy Director General:</u> 5</p> <p><u>Number of Sub-Managerial Staff</u></p> <p><u>Number of Department Manager:</u> 11</p> <p><u>Number of Section Directorate:</u> 33</p> <p><u>Number of Technical Staff:</u> 249</p> <p><u>Number of Official Workers:</u> 53</p> <p><u>Important Roles:</u></p> <ul style="list-style-type: none"> - To manage the production resources, -To prepare integrated and individual agricultural and rural development project, -To prepare application projects on the all agricultural subjects, - To make proposals to the ministry for establishment of facilities such as crop processing etc. - To provide technical assistance, -To provide necessary inputs such as machines, fertilizers, seeds, saplings, equipment etc., - To improve the meadow and pasture areas, 	<p><u>Activities currently carried out:</u></p> <ul style="list-style-type: none"> -Crop production development activities, - Seed growing activities, -Inspection of control and certification procedures of organic products, -Livestock development activities, - Aqua cultural activities, - Development activities on meadows, pastures and fodder crops, -Plant nutrition activities, -Agricultural mechanization, -Determination activities related to utilization agricultural lands, -Activities for the Project funded by international organizations, - Farmer subsidizing activities, <p><u>Activities Planned :</u></p> <ul style="list-style-type: none"> -Sivas-Erzincan Development Projects, -Eastern Black Sea Region Agricultural Production and Technical Assistance Project(DOKAP), -Integrated Administration and Control System and Land Parcel Identification System Establishment Projects, -Rize-Bayburt-Gümüşhane Rural Development Project, -Anatolian Watershed Rehabilitation Projects. 	<p><u>Existing Facilities and Equipment:</u></p> <ul style="list-style-type: none"> -Administration building, -Office equipment -Vehicles, - Meeting hall

Annex V-a-2 Present Condition of Directorate of GİRESUN Hazelnuts Research Institute

Organization and Staff	Activities	Facilities and Equipment
<p><u>Organizational Structure</u></p> <p><u>Director :</u> 1</p> <p><u>Number of Deputy Director:</u> 1</p> <p><u>Number of Sub-Managerial Staff</u></p> <p><u>Number of Section:</u> 9</p> <p><u>Number of Technical Staff:</u> 10</p> <p><u>Number of Official Workers:</u> 31</p> <p><u>Important Roles:</u></p> <ul style="list-style-type: none"> - Data gathering on hazelnuts - Conducting basic and strategic researches on hazelnuts, -Maintaining and collecting genetic resources, -Laboratory services, -Training and extension on hazelnuts, -Breeding and growing techniques improvement, -Plant protection services, -Development of hazelnuts processing techniques, 	<p><u>Activities currently carried out:</u></p> <ul style="list-style-type: none"> -Hazelnuts genetic resources project -Hazelnuts cultural techniques development on quality and yield, -Selection and crossing activities, -Database establishment on cost, trading and production statistics, -Research on Black Cherry (<i>Prunus laurocerasus L.</i>) genetic resources, -Determination of production techniques of organic hazelnuts <p><u>Activities Planned :</u></p> <p>-</p>	<p><u>Existing Facilities and Equipment:</u></p> <ul style="list-style-type: none"> -Administration building, -Office equipment -Vehicles(5) - Meeting hall (1) -Area owned (24 ha.) -Laboratories(3 units) - Library (1) -Workshop (1), -Greenhouse (2) -Tractors (2) -Tractor equipment (5)

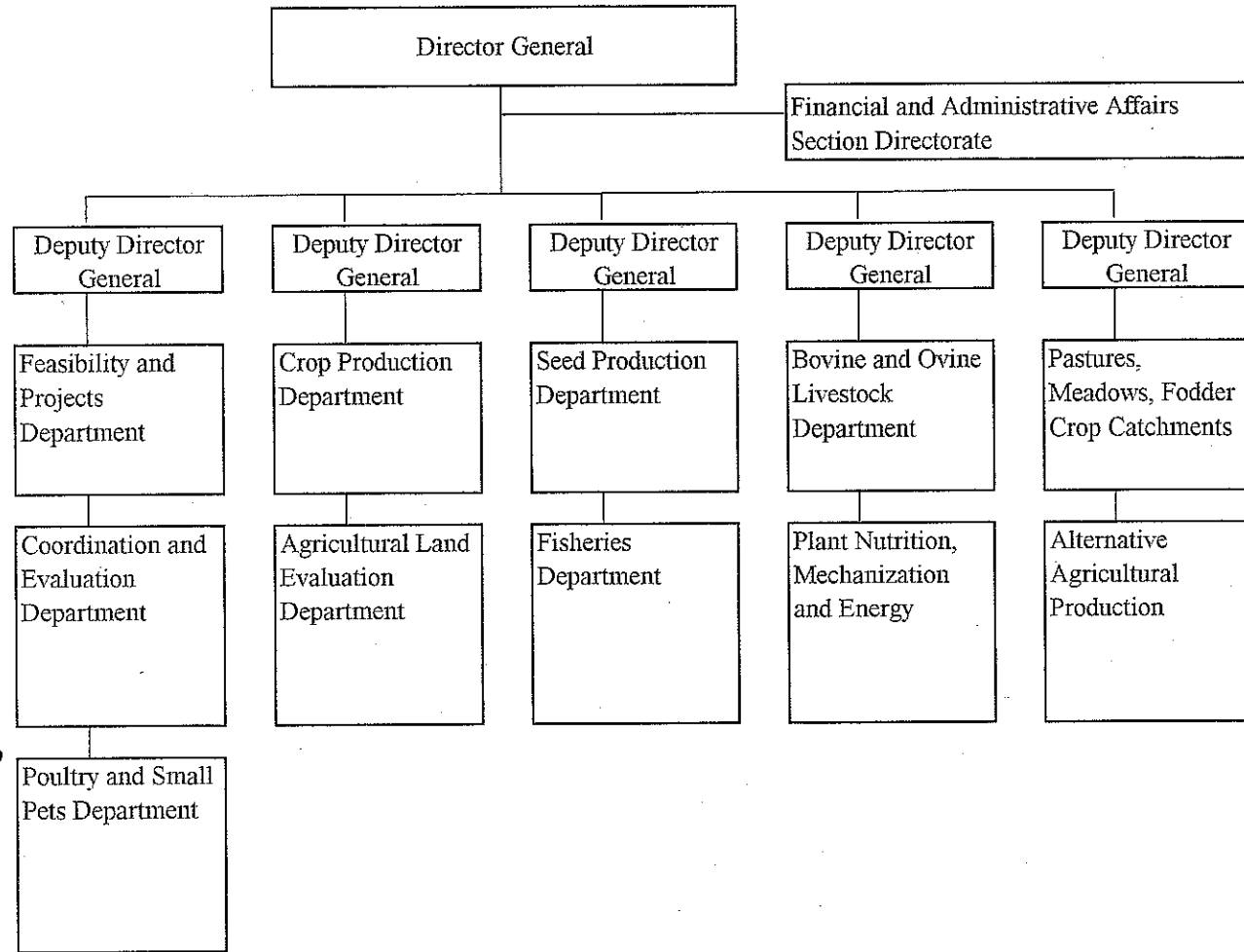
Annex V-a-3 Present Condition of Directorate of RIZE Tea and Horticulture Research Institute

Organization and Staff	Activities	Facilities and Equipment
<p><u>Organizational Structure</u></p> <p><u>Director :</u> 1</p> <p><u>Number of Deputy Director:</u> 0</p> <p><u>Number of Sub-Managerial Staff</u></p> <p><u>Number of Section Directorate:</u> 7</p> <p><u>Number of Technical Staff:</u> 12</p> <p><u>Number of Official Workers:</u> 22</p> <p><u>Important Roles:</u></p> <ul style="list-style-type: none"> -Laboratory services, -Training and extension on tea production, -Breeding and growing techniques improvement, -Plant protection services, -Development of tea processing techniques, -Issuing Annual Tea Reports 	<p><u>Activities currently carried out:</u></p> <ul style="list-style-type: none"> -Green tea processing techniques, -Tea cultivation techniques development on quality and yield, -Selection and crossing activities, -Research on kiwi growing techniques, -Determination of growing techniques of organic tea, -Renewing of tea plantation and their growing areas -Determination of micro- and macro-elements of tea, <p><u>Activities Planned :</u></p> <ul style="list-style-type: none"> - Establishing the Miniature Tea Manufacturing Facilities, -Establishment of Tea Museum 	<p><u>Existing Facilities and Equipment:</u></p> <ul style="list-style-type: none"> -Administration building, -Office equipment -Vehicles(2) - Meeting hall (1) -Area owned (5 ha.) -Laboratories(4) - Library (1) -Greenhouse (3)

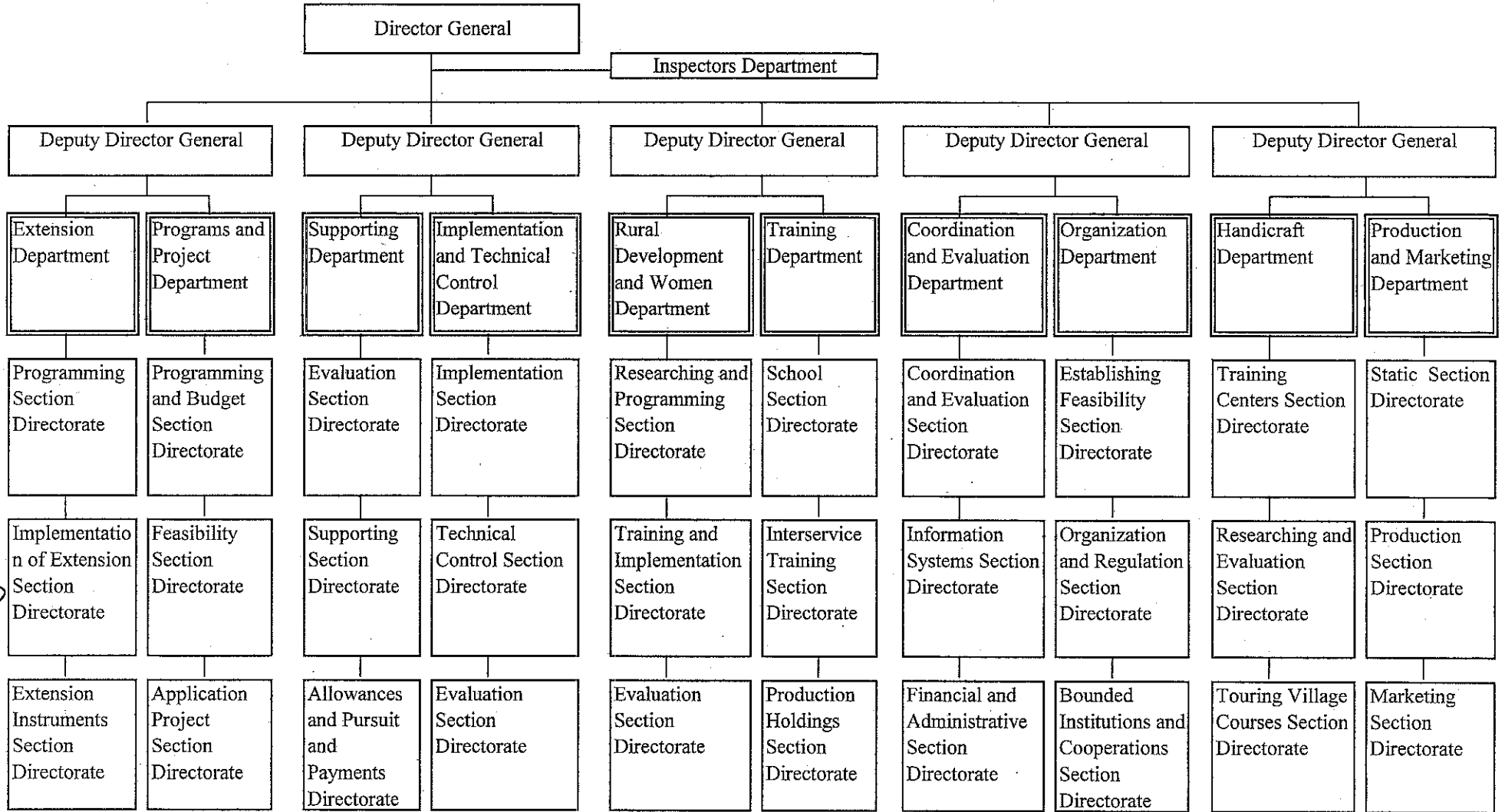
Annex V-a-4 Present Condition of Directorate of ORDU Beekeeping Research Institute

Organization and Staff	Activities	Facilities and Equipment
<p><u>Organizational Structure</u></p> <p><u>Director :</u> 1</p> <p><u>Number of Deputy Director:</u> 1</p> <p><u>Number of Sub-Managerial Staff</u></p> <p><u>Number of Section Directorate:</u> 6</p> <p><u>Number of Technical Staff:</u> 14</p> <p><u>Number of Official Workers:</u> 27</p> <p><u>Important Roles:</u></p> <ul style="list-style-type: none"> - Breeding and growing of bees - Reproducing bee swarm, producing of bee hives and bee product processing, -Bee health protection -Training and extension on apiculture -Programming and planning on apiculture 	<p><u>Activities currently carried out:</u></p> <ul style="list-style-type: none"> -Breeding of western Black Sea Region Bee Varieties, -Determination of nectar and pollen collecting activities of honeybees in Anzer natural flora, - Research on suitability to wandering apiculture of beehive systems attached to the lorry chassis, -Training and extension activities <p><u>Activities Planned :</u></p>	<p><u>Existing Facilities and Equipment:</u></p> <ul style="list-style-type: none"> -Administration building, -Office equipment -Vehicles(6) - Meeting hall -Area owned(8.7ha.) -Laboratories(2 units) - Beehives Facilities, -Workshop,

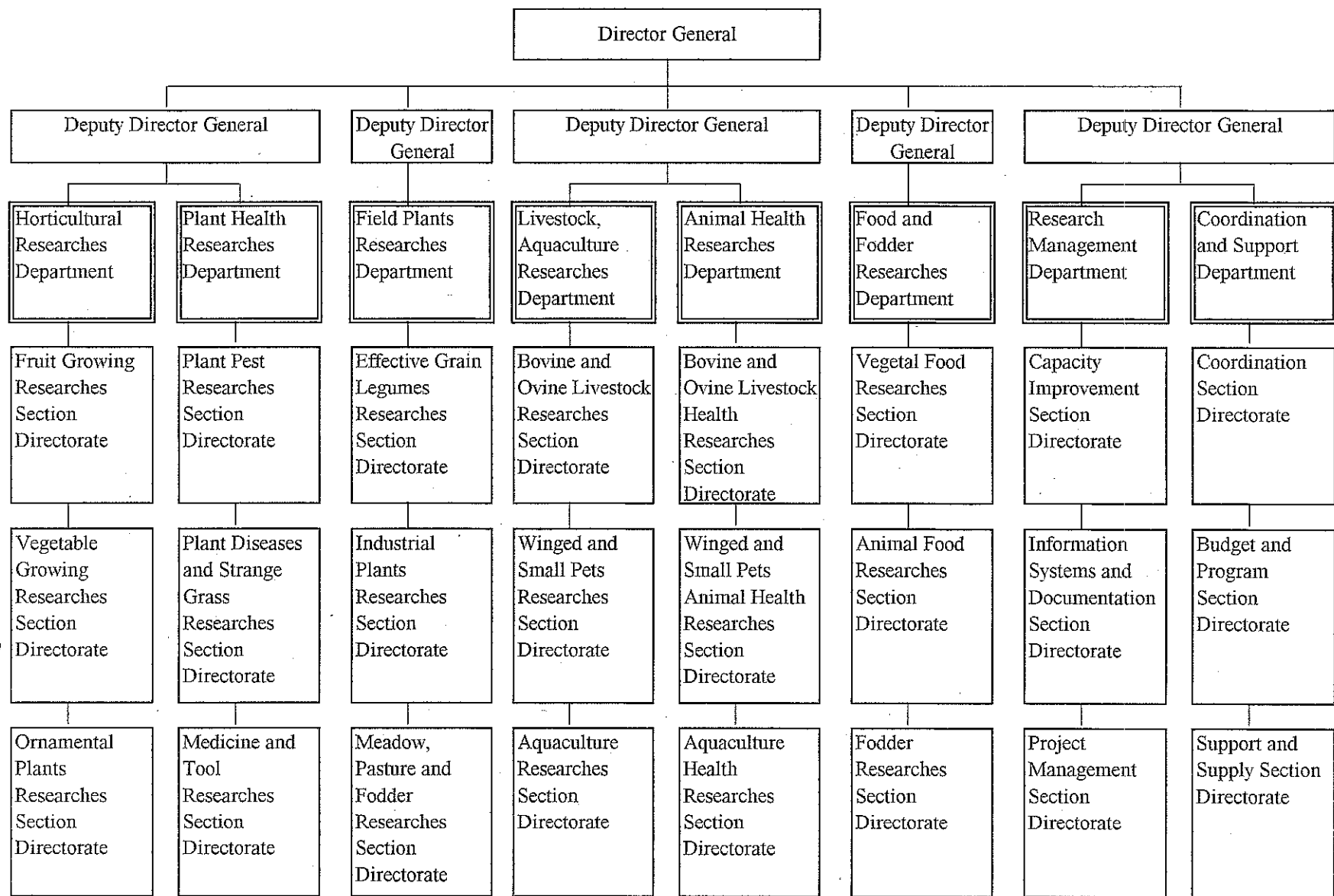
Annex V-b-1 Organization Chart of General Directorate of Agricultural Production and Development; TUGEM



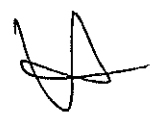
Annex V-b-2 Organization Chart of General Directorate of Organization and Support; TEDGEM



Annex V-b-3 Organization Chart of General Directorate of Agricultural Research; TAGEM



Agricultural Production and Development (TUGEM)	<ul style="list-style-type: none"> ➤ To prepare integrated and individual agricultural and rural development projects and make necessary arrangements for implementation and evaluation of these projects through the Provincial Directorates of Agriculture, ➤ To prepare application projects to best utilization of agricultural resources, productivity increase, crop diversification and quality improvement, to proposals to the Ministry for establishment of facilities, to give necessary supports for their establishment and provide technical assistance, ➤ To provide assistance for the measures ensuring procurement and allocation of necessary materials such as seeds, fertilizers and equipments etc. for farmers and agricultural companies, ➤ To provide necessary machines, equipment and vehicles for provincial organization according to needs,
Protection and Control (KKGM)	<ul style="list-style-type: none"> ➤ To assure the production capacity of farmers affected by natural disasters, ➤ To develop environmentally friendly alternative methods for plant protection, ➤ To protect and maintain the animal health, and establish the identification and registration system for animals, ➤ To establish the healthy market and appropriate transportation of products ➤ To provide new fishing areas, and protect the stocks of marine products, ➤ To take the measures against environmental deterioration, ➤ To establish quality management system,
Organization and Support (TEDGEM)	<ul style="list-style-type: none"> ➤ To identify the establishment principles for organizations such as irrigation, soil conservation, crop cultivation and animal, and establish partnerships among organizations. ➤ To develop cooperative activities, to permit the establishment of cooperatives and to assist for the their operation technically and financially. ➤ To develop employment opportunities in the villages by the development, extension and promotion of handicrafts and marketing of the products. ➤ To carry out all type of researches, programs, planning, documentation and training services for development of cooperative activities ➤ To extend useful agricultural information through training programs, introduction of the role model farmers and having new schools in cooperation with the Ministry of Education ➤ To make practices and researches for the marketing of agricultural products, organization and management of producers. ➤ Assisting in the support and coordination for national and international farmer organizations, chambers, training and education institutes, foundations and agencies providing similar services.
Agriculture Research (TAGEM)	<ul style="list-style-type: none"> ➤ To carry out various research activities for the development of agriculture, animal industry, fisheries and food processing. ➤ To coordinate and manage the research activities among research agencies ➤ Following research activities have been carried out: <ul style="list-style-type: none"> - Horticultural research - Plant protection research - Field crop research - Livestock and fisheries research - Animal health research - Food and foodstuff research

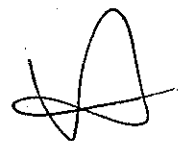



Annex V-d Major Roles of Provincial Directorate of MARA

<p>Project and Statistics Section (TUGEM)</p>	<ul style="list-style-type: none"> ➤ To make projections concerning plantation, yield and production and economically profitable products, ➤ To collect and evaluate statistical information related to crop production, animal husbandry and fisheries, ➤ To identify the production capacity on crop production, animal husbandry and fisheries, ➤ To analysis the inputs for the products, ➤ To prepare the development projects appropriate for production potential on crop cultivation, animal husbandry and fisheries. ➤ To implement the integrated and individual evaluation, marketing and rural development projects approved by the Ministry, ➤ To evaluate the credit and technical assistance demands of the enterprises based on a project ➤ To prepare the appropriate projects and farm development plans, ➤ To formulate the dispatching plan for input needs such as seed, fertilizer, equipments, breeding animals, fish eggs, beehives etc to district offices
<p>Plant Protection Section (KKGM)</p>	<ul style="list-style-type: none"> ➤ To identify the diseases, pests, insects, and wild plants ➤ To prepare combating programs, implementation of approved programs. ➤ To provide services on plant protection and related quarantine. ➤ To check and control of legal disinfection and medicine dealers. ➤ To assist, monitor and control the activities done by the farmers and private sector for the protection of plant.
<p>Animal Health Section (KKGM)</p>	<ul style="list-style-type: none"> ➤ To fulfill animal health protection and treatment according to the principles identified in the Law on Animal Protection and Control; ➤ To implement the provincial plans, programs and projects in order to prevent animal diseases and diseases in the animal products, ➤ To fulfill preventive services against animal diseases and parasites, ➤ To identify and provide biological and chemical materials, vaccination, serum and medicines for the protection and animal health, ➤ To check and control the animal movements.
<p>Farmers' Training and Extension Section (TEDGEM/TUGEM)</p>	<ul style="list-style-type: none"> ➤ To transfer new information of agricultural technology to farmers, ➤ To transfer the information related research centers about the problems and subject requiring trial and research, ➤ To recommend to farmers according to the results of demonstrations made under research, trial. ➤ To prepare provincial extension program. ➤ To program trials and demonstrations under farm conditions in cooperation with research and trial institutions in order to solve the problems. ➤ To train and extend irrigated farming techniques in collaboration with the related institutions on the lands opened for irrigation. ➤ To implement the programs prepared by the Ministry for farmers' children, and youngsters for training the role model farmers, and for farmer women and young girls for training them on household economy.

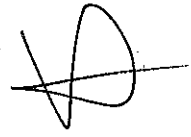



Support Section (TEDGEM)	<ul style="list-style-type: none"> ➤ To promote farmers' organizations and cooperative works; preparation of studies and projects; provision of financial assistance, ➤ To assist the allocation of payments and funds of credits for agricultural organizations such as cooperatives, farmer family enterprises and farmer partnerships etc., ➤ To assist in punctual and adequate utilization of credits and investments and to check and control the investment implementation and credit return, ➤ To provide the agricultural inputs such as seed, fertilizer, equipments, breeding animals, fish eggs, beehives etc to the farmer, ➤ To take measures for the development, extension, and promotion of handicrafts, and the marketing of the products in order to increase the level of employment. ➤ To assist and guide for the establishment of the farmer organizations that are processing and marketing their agricultural products. ➤ To participate the general assemblies of the farmer organizations as representative, ➤ To assist the farmers suffering from natural disasters.
Control Section (KKGM)	<ul style="list-style-type: none"> ➤ To control the licensed feed manufacture enterprises in terms of technical and hygienic conditions. ➤ To check the conformity of the products of food and feed industries to the norms. ➤ To control public and private slaughterhouses and integrated meat processing facilities, ➤ To control health of breeding animals and castration of unhealthy ones. ➤ To fulfill prohibition and control services related to the Law on Fisheries. ➤ To control seeds
District Offices	<ul style="list-style-type: none"> ➤ To collect the necessary information for the preparation of programs and projects for the development of the district, the increase of income and living standards of the farmers. ➤ To implement and evaluate the related parts of programs and projects. ➤ To prepare and implement extension program for the farmers' training. ➤ To assist the establishment of development plans for role model farming prepared by the higher boards. ➤ To identify all needs including agricultural inputs and credit on crop cultivation, livestock farming and fisheries, ➤ To control the diseases, and insects and pests on the animal health and plants,. ➤ To compile agricultural statistics according to the forms given by the higher boards. ➤ To prepare budgetary proposal based on district programs and projects,




Annex V-e Total Number of Provincial Personnel and Technical Staff in the Eastern Black Sea Region

Province	Total Number of Personnel	Number of Technical Staff
Trabzon	346	146
Rize	152	63
Artvin	174	41
Gumushane	145	46
Giresun	266	129
Total	1083	425

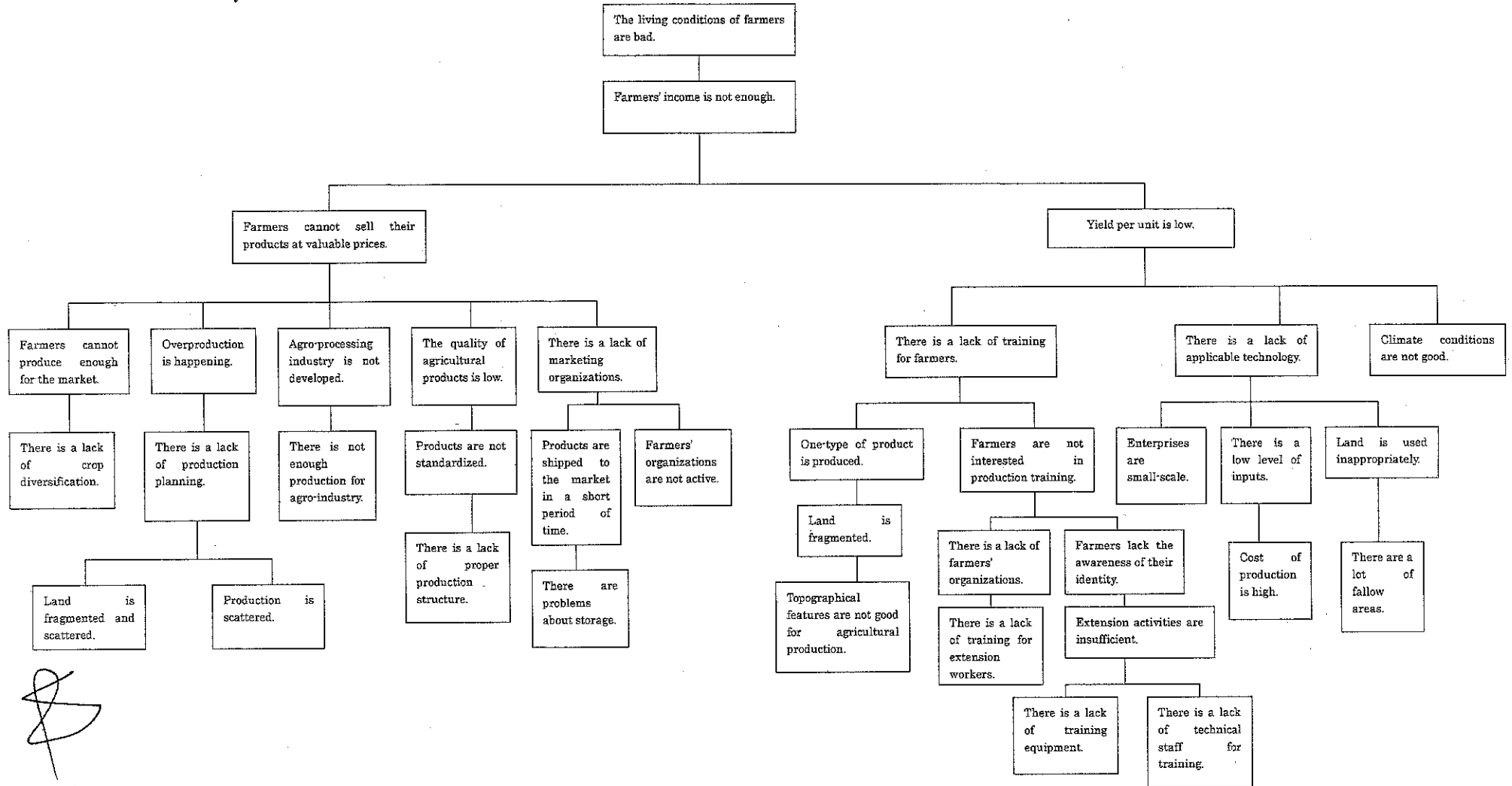


Annex VI-a Attendance list of PCM Workshop

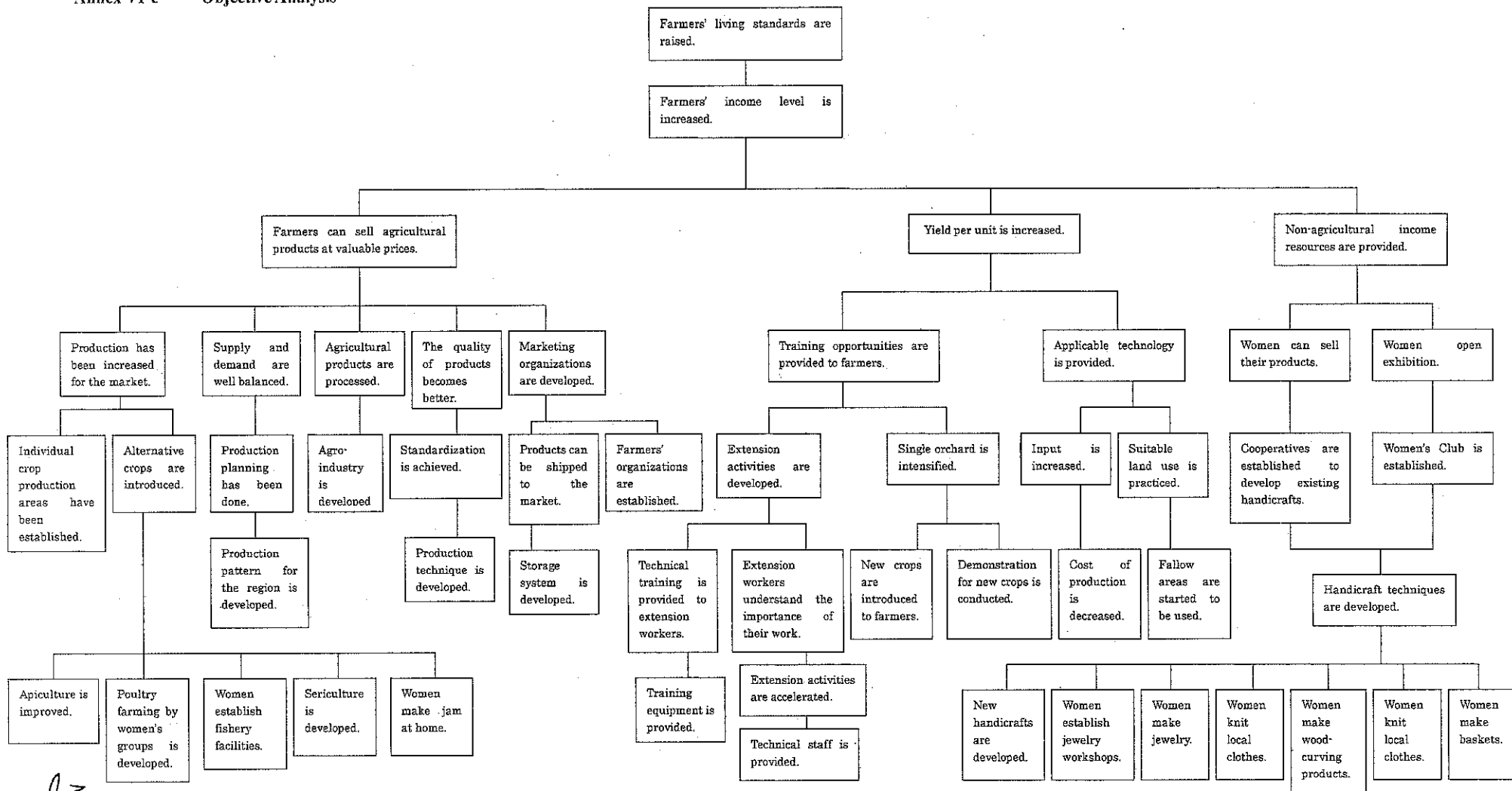
Name	Institution	Duty	Section
İ. Halil DUMAN	TÜGEM	Head of Devison	Monitoring and Evaluation of Project
Saliha AKBAŞ	TÜGEM	Coordinator of Old Gireson Project by IFAD	Projeect Implementation
Refi Ratip ÖZLÜ	TÜGEM	Engineer	Study and Project
Cemil Can ÇOŞKUN	TÜGEM	Engineer	Study and Project
Sedat EVCİ	Rize Provincial Agricultural Directorate	Engineer	Project and Stastics
Erdal YIĞCI	Rize Provincial Agricultural Directorate	Engineer	Project and Stastics
Özgün KALKIŞIM	Trabzon Provincial Agricultural Directorate	Engineer	Project and Stastics
Cemil PEHLEVAN	Trabzon Provincial Agricultural Directorate	Engineer	Project and Stastics
Erkan Elfaz ERMİŞ	Artvin Provincial Agricultural Directorate	Head of Devison	Project and Stastics
İhsan Oğuzhan DEDE	Artvin Provincial Agricultural Directorate	Head of Devison	Project and Stastics
Metin YALVAÇ	Gümüşhane Provincial Agricultural Directorate	Head of Devison	Project and Stastics
Hülya SOMERAN	Gümüşhane Provincial Agricultural Directorate	Engineer	Project and Stastics
Soner TÜRKMEN	Gümüşhane Provincial Agricultural Directorate	Engineer	Control
Adnan TEMÜR	Giresun Provincial Agricultural Directorate	Deputy Director	
Ayhan USTA	Giresun Provincial Agricultural Directorate	Engineer	Project and Stastics
Nejat AYDIN	Ordu Provincial Agricultural Directorate	Engineer	Project and Stastics
Yener YILDIRIM	Ordu Provincial Agricultural Directorate	Head of Devison	Project
Ali ÇANKAYA	Central Fisheries Reseach Institute Trabzon	Engineer	
Yoshihisa ZAITSU	AppropriateAgriculture Int.	Registered Consul. Erg.	
Yasuko OSE	Global Link Management	Researcher	Social Development Dept.
Mayumi MURAKAMİ	JICA Headquarters	Program Officer	Rural Development Dept.
Mayumi SAKAMOTO	JICA Turkey Office	Assistant Resident Representative	
Emin ÖZDAMAR	JICA Turkey Office	Head of Division	Technical Cooperation Devison
Eser CANALIOĞLU	JICA Turkey Office	Assistant Researcher	
Nur YÖRÜKOĞLU	Ankara Translation Studio	Interpreter	

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Annex VI-b Problem Analysis



Annex VI-c Objective Analysis



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Annex VII Tentative Project Design Matrix (PDM)

Project Name: The Project for Improvement of Livelihood for Small-Scale Farmers in the Eastern Black Sea Region
 Duration: 2005 to 2008
 Target Area: The Eastern Black Sea Region (5 provinces)

Target Group: Farmers and women in the mountainous areas

Ver. No. 1

March 24, 2005

Narrative Summary	O.V. Indicators	Means of Verification	Important Assumptions
Overall Goal Farmers' living conditions are improved.			
Project Purpose Farmers' income level is increased through product diversification.	Farmers' income level in the model area(s)	- Project Report - Statistical data of	MARA continues to sustain the training system after the project.
Outputs 1. Appropriate technologies are applied to agricultural production. 2. Other income sources are expanded. 2-1 Small-scale dairy farming is developed. 2-2 Small-scale apiculture is developed. 2-3 Small-scale agro-processing businesses are developed. 2-4 Small-scale poultry farming is developed. 2-5 Handicrafts production system is developed. 3. Farmers can sell products at valuable prices.	In the model area(s) 1-1 Yield per unit; crop intensity; # of farmers who made compost 2-1 # of farmers: adopted appropriate technique of dairy farming 2-2 # of farmers: adopted appro. technique of apiculture 2-3 # of farmers: adopted appro. technique of agro-processing 2-4 # of farmers: adopted appro. technique of poultry farming 2-5 # of women: started handicrafts business 3-1 # of marketing organizations established 3-2 Net profit of products: [(Prices sold) - (input cost)] > 0	the State Statistics Institute and the State Planning Organization	
Activities 1-1 Agricultural production training is provided to extension workers. 1-2 Agricultural production training is provided to farmers. 1-3 Training manuals are prepared. 1-4 Study tours are provided to farmers outside the model area(s). 2-1 Training for the expansion of other income sources is provided to extension workers. 2-1-1 Training on small-scale dairy farming 2-2-1 Training on small-scale apiculture 2-3-1 Training on agro-processing businesses 2-4-1 Training on small-scale poultry farming 2-5-1 Training on handicrafts production 2-2 Training for the expansion of other income sources is provided to farmers. (the same themes mentioned in 2-1) 2-3 Training manuals are prepared. 2-4 Study tours are provided to farmers outside the model area(s). 3-1 Marketing (Producers') organizations are established. 3-2 Marketing training is provided. 4-1 Data-collection surveys are conducted at the beginning of the project. 5-1 Monitoring is conducted during the duration of the project.	<p style="text-align: center;">Inputs</p> <p><u>Japan</u></p> <ul style="list-style-type: none"> - Long-term experts (2): - Short-term experts - Machinery, equipment, and materials necessary for the project - Counterpart Training in Japan <p><u>Turkey</u></p> <ul style="list-style-type: none"> - Counterparts - Project office - Model area - Operation cost for the Agricultural Development Center and the Model Area - Vehicles 		<p style="text-align: center;">Preconditions</p> <ol style="list-style-type: none"> 1. The model area is selected and agreed with the residents. 2. Human and financial resources are appropriately allocated to the Trabzon Agricultural Center. 3. The legal and institutional framework of the Agricultural Development Center is clarified.

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Annex VIII Member List of Joint Preparatory Study Team

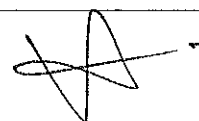
Name	Institution	Duty
Turkish Party		
Huseyin VELIOGLU	TÜGEM	Director General
İ. Halil DUMAN	TÜGEM	Head of Devison
Saliha AKBAŞ	TÜGEM	Coordinator of Old Gireson Project by IFAD
Refi Ratip ÖZLÜ	TÜGEM	Engineer
Cemil Can ÇOŞKUN	TÜGEM	Engineer
Sedat EVCI	Rize Provincial Agricultural Directorate	Engineer
Erdal YIĞCI	Rize Provincial Agricultural Directorate	Engineer
Özgün KALKIŞIM	Trabzon Provincial Agricultural Directorate	Engineer
Cemil PEHLEVAN	Trabzon Provincial Agricultural Directorate	Engineer
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Metin YALVAÇ	Gümüşhane Provincial Agricultural Directorate	Head of Devison
Hülya SOMERAN	Gümüşhane Provincial Agricultural Directorate	Engineer
Soner TÜRKMEN	Gümüşhane Provincial Agricultural Directorate	Engineer
Adnan TEMÜR	Giresun Provincial Agricultural Directorate	Deputy Director
Ayhan USTA	Giresun Provincial Agricultural Directorate	Engineer
Nejat AYDIN	Ordu Provincial Agricultural Directorate	Engineer
Yener YILDIRIM	Ordu Provincial Agricultural Directorate	Head of Devison
Ali ÇANKAYA	Central Fisheries Reseach Institute Trabzon	Engineer
Japanese Party		
Mitsuo NAKAMURA (Leader)	JICA Turkey Office	Resident Representative
Yoshihisa ZAITSU (Rural Development)	Appropriate Agriculture International Co., LTD.	Consulting Engineer
Yasuko OSE (Planning Evaluation)	Global Link Management	Researcher
Mayumi MURAKAMI (Cooperation Planning)	JICA Headquarters	Program Officer

Annex IX-a Member List of Joint Coordinating Committee (JCC) Candidates

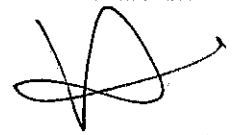
JCC meeting will be held at least once every six months or whenever necessity arises, and works:

- (1) To approve the plan of operation and the annual plan of operation of the Project.
- (2) To review the overall progress of the Project activities as well as the achievements of the above mentioned annual plan.
- (3) To examine and exchange of views on major issues arising from or in connection with the Project and recommended appropriate measures.

Members	Main Role
Director (MARA-TUGEM) (Project Director) <p style="text-align: right;">General</p>	<ol style="list-style-type: none"> 1. To set up and take the chair of JCC 2. To take a responsibility for C/P budget and personnel assignment of the Project 3. To approve the annual plan of operation 4. To approve the annual progress and monitoring report 5. To coordinate with others agencies and donors 6. Overall responsibility for the administration and implementation of the Project as Project Director 7. To coordinate project implementation with National Project Coordinator 8. To execute C/P budget 9. To provide a place project application and training center, office facilities to the Project
Representative of SPO	<ol style="list-style-type: none"> 1. Allocation of the project budget
Head of Department (MARA-TUGEM) Feasibility Study and Project Department (General Coordinator)	<ol style="list-style-type: none"> 1. To coordinate and take the chair of regional coordinating committee. 2. Overall responsibility for the administrative and technical matters 3. To assist to the Project Director 4. To control the annual plan of application and to submit to Project Director for approve. 5. To control the annual progress and monitoring report to submit to Project Director for approve. 6. To monitoring the Project's budget allocation 7. To coordinate all representatives of Feasibility Study and Project Department
Representatives of Feasibility Study and Project Department (MARA-TUGEM) (3 persons)	<ol style="list-style-type: none"> 1. To assist to the National Project Coordinator 2. To advise to regional project staff 3. To monitor and control project implementations 4. To monitor project budget 5. To coordinate relationship between project site and MARA 6. To review annual plan of operation 7. To review annual progress and monitoring report
MARA Regional Coordinator	<ol style="list-style-type: none"> 1. To coordinate and take chair of provincial coordinators 2. To take overall responsibility of the regional implementation of the project. 3. To combine annual plan of operation prepared by provincial coordinators and submit it to national project coordinator 4. To combine annual progress and monitoring report prepared by provincial coordinators and submit it to national project coordinator 5. To monitor all project activities on regional level 6. To coordinate relationship between provincial coordinators and national project coordinator 7. To coordinate and organize extension workers activities and training programs. 8. To prepare training manuals

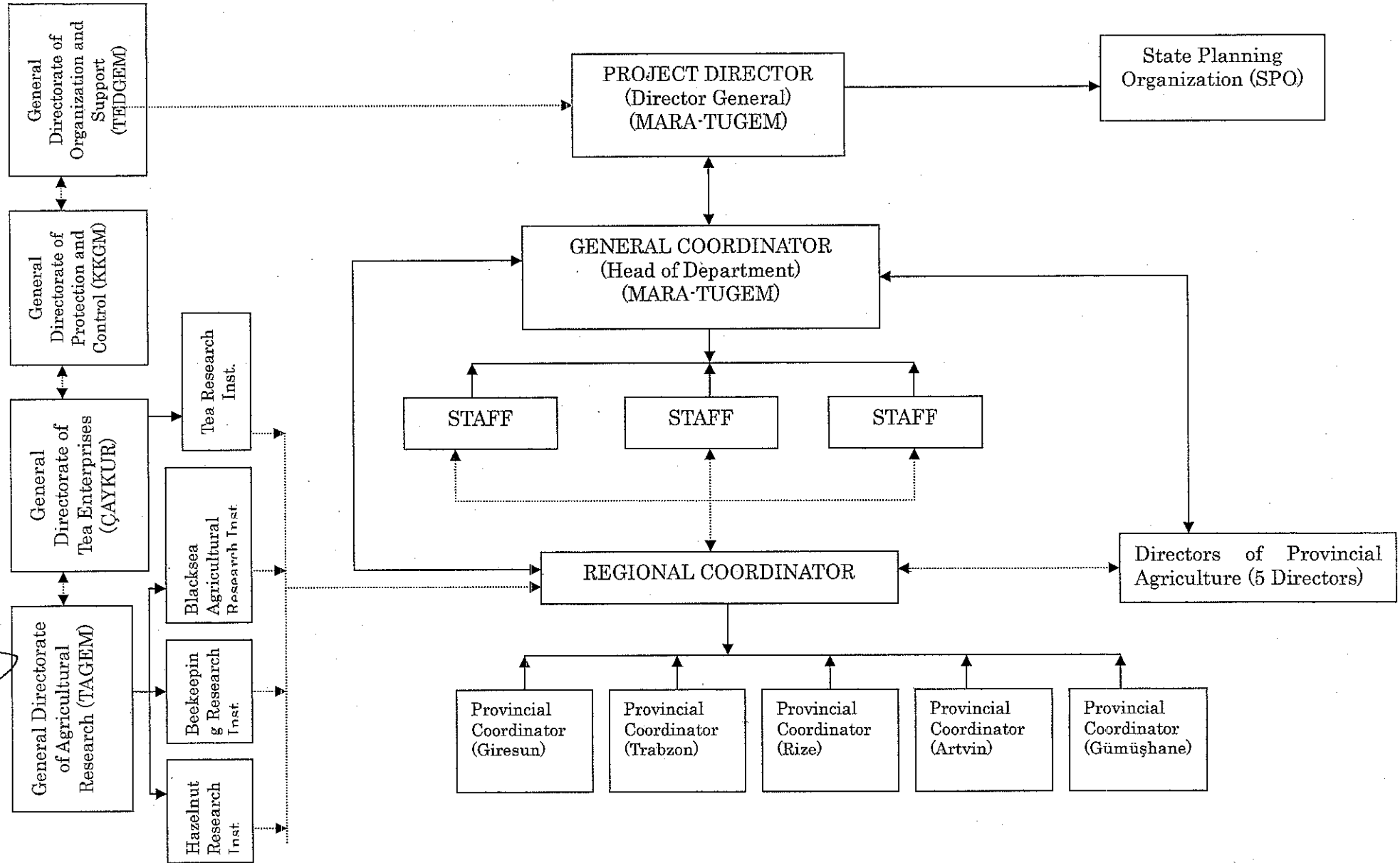



Director of Provincial Agriculture (6 Directors)	<ol style="list-style-type: none"> 1. To provide support on all project activities 2. To make technical cooperation with coordinators 3. To advise on the project implementation
Provincial Directorate of Agriculture (5 Provincial Coordinators)	<ol style="list-style-type: none"> 1. To coordinate and monitor all project activities on provincial level 2. To prepare annual plan of operation on provincial level and submit it regional project coordinator 3. To prepare annual progress and monitoring report on provincial level and submit it regional project coordinator 4. To assist farmers 5. To determine needs of farmers 6. To prepare extension workers activities and training programs through needs of farmers. 7. At least, one staff will assist to Provincial Coordinator in each province.
Representative of General Directorate of Organization and Support (TEDGEM)	<ol style="list-style-type: none"> 1. To contribute and advise on the Project implementation.
Representative of General Directorate of Agricultural Research (TAGEM)	<ol style="list-style-type: none"> 1. To contribute and advise on the Project implementation.
Representative of General Directorate of Protection and Control (KKGM)	<ol style="list-style-type: none"> 1. To contribute and advise on the Project implementation.
Representative of General Directorate of Tea Enterprises (CAYKUR)	<ol style="list-style-type: none"> 1. To contribute and advise on the Project implementation.



Annex IX-b Chart of Joint Coordinating Committee (JCC)

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プロジェクト名:
対象地域: 東部黒海沿岸地域(5 県)

期間: 2005 年～2008 年
ターゲットグループ: 農民・女性

Ver. No. 1
作成日: 2005 年 3 月 24 日

プロジェクトの要約	指標	指標入手手段	外部条件
上位目標 農民の生活が向上する。			
プロジェクト目標 生産物の多様化を通じて、農民の所得向上がする。	モデル地区の農民の所得	<ul style="list-style-type: none"> - プロジェクト報告書 - 統計庁および国家計画庁が発効する統計データ 	MARA が、プロジェクト終了後も、プロジェクトで確立された研修体制を維持する。
成果 1. 農業生産に、適切な技術が導入される。 2. 収入源が拡大・多様化される。 2-1 小規模酪農が、改善・普及される。 2-2 小規模養蜂が、改善・普及される。 2-3 小規模農産物加工が、改善・普及される。 2-4 小規模養鶏が、改善・普及される。 2-5 手工芸品の生産体制が、改善・普及される。 3. 農民が、生産物を適正価格で販売できるようになる。	以下の指標は、モデル地区内での指標とする。 1-1 単位当たり収量、作付け率、堆肥を導入した農家数 2-1 適切な小規模酪農技術を導入した農家数 2-2 適切な小規模養蜂技術を導入した農家数 2-3 適切な小規模農産物加工技術を導入した農家数 2-4 適切な小規模養鶏技術を導入した農家数 2-5 手工芸品生産を開始した女性の数 3-1 設立されたマーケティング団体・生産者団体の数 3-2 純利益 : [(販売価格) - (投入コスト)] > 0		
活動 1-1 農業生産に関する研修を普及員に対して実施する。 1-2 農業生産に関する研修を農民に対して実施する。 1-3 研修マニュアルを作成する。 1-4 モデル地区以外の農民に対して、スタディツアーを実施する。 2-1 収入源拡大・多様化のための研修を普及員に対して実施する。 2-1-1 小規模酪農研修 2-2-1 小規模養蜂研修 2-3-1 小規模農産物加工研修 2-4-1 小規模養鶏研修 2-5-1 手工芸品研修 2-2 収入源拡大・多様化のための研修を農民に対して実施する。 (研修テーマは、2-1 と同様) 2-3 研修マニュアルを作成する。 2-4 モデル地区以外の農民に対して、スタディツアーを実施する。 3-1 マーケティング組織・生産者団体を設立(組織化)する。 3-2 マーケティング研修を実施する。 4-1 プロジェクト開始時に、モデル地区内でデータ収集を行う。 5-1 プロジェクト期間中、各活動のモニタリングを行う。	<p style="text-align: center;">投入</p> <p><u>日本</u></p> <ul style="list-style-type: none"> - 長期専門家: 2 名 - 短期専門家 - プロジェクトに必要な資機材 - カウンターパートの本邦研修受入 <p><u>トルコ</u></p> <ul style="list-style-type: none"> - カウンターパート - プロジェクト事務室 - モデル地区 - プロジェクト事務室とモデル地区における管理費 - 車輛 		<p style="text-align: center;">前提条件</p> <ol style="list-style-type: none"> 1. モデル地区が選定され、住民の合意が得られる。 2. 農業開発センターに対して、資金配分・人材配置が適切に行われる。 3. 農業開発センターの公的組織上の枠組み(役割)が、明確にされる。

カウンターパート機関に関する詳細情報

1. 所轄と事業概要

本プロジェクトの主体であり、農業生産、農民支援の主たる実施機関は農業農村開発省の中の Major Service Unit に所属する以下の 4 組織中の農業生産開発局である。農業生産開発局は、作物・家畜生産などのプロジェクト計画・実施及び農民支援に直接携わる機関である。農業生産開発局は総局長の下、351 名が配属されている。

- 農業生産開発局 (G. D. of Agricultural Production & Development、TUGEM)
- 防除管理局 (G. D. of Protection and Control、KKGM)
- 組織化支援局 (G. D. of Organization and Support、TEDGEM)
- 農業研究局 (G. D. of Agriculture Research、TAGEM)

各機関の主な活動内容を以下に示した。

表 1 農業農村開発省の農業生産、農民支援に関わる行政組織と活動内容

<p>農業生産 開発局</p> <p>G.D. of Agricultural Production & Development (TUGEM)</p>	<ul style="list-style-type: none"> ➢ 総合的、個別的な農業開発や地域開発プロジェクトの計画及び各県農業局を通じてプロジェクト実施や評価のための必要な処置を行う。 ➢ 農業資源の最適利用、生産性向上、作物多様性及び品質向上技術のプロジェクトへの応用を行う。また、施設の設置を省へ申請し、そのための技術支援の提供や施設建設のための必要な支援を行う。 ➢ 必要に応じ農民や農業組織のために種子、肥料、機材、車両など必要な資機材の調達、配置を確実にするための支援を行う。 ➢ 必要に応じ県組織に必要な機械、道具、車両などを提供する。
<p>防除管理局</p> <p>G.D. of Protection and Control(KKGM)</p>	<ul style="list-style-type: none"> ➢ 自然災害による被災した農民の生産を保障する。 ➢ 植物防除のための環境に優しい代替手法を開発する。 ➢ 家畜衛生の保護及び維持を促進する。また、家畜の鑑定や登録システムを構築する。 ➢ 生産物の健全なマーケットや適切な輸送方法を構築する。 ➢ 新しい漁場の提供、海産物の資源確保を行う。 ➢ 環境劣化に対する対策を行う。 ➢ 品質管理システムを構築する。
<p>組織化 支援局</p> <p>G.D. of Organization and Support (TEDGEM)</p>	<ul style="list-style-type: none"> ➢ 灌漑、土壌保全、作物生産、家畜などの組合組織化の設立原理を確認する。また、組織間のパートナーシップを構築する。 ➢ 組合活動を発展させる。組合設立の許可を出す。また、これら組合の技術的、資金的支援を行う。 ➢ 手工芸品の開発・普及・推進及び生産物の販売による村落での雇用機会を開発する。 ➢ 組合活動開発のための研究、プログラム、計画、文書化、トレーニングなど全ての活動を行う。 ➢ 国家教育省を協力し、トレーニングプログラム、モデル農家の活動紹介、新しい授業の開設などを通して有益な農業情報を広報する。 ➢ 農業生産物販売、組織化、生産者管理の訓練や研究を行う。 ➢ 国内や国外の農民組織、会議所、訓練教育機関、法人および同様なサービスを提供する組織のための支援、調整の支援を行う。
<p>農業研究局</p> <p>G.D. of Agriculture Research (TAGEM)</p>	<ul style="list-style-type: none"> ➢ 農業、畜産、漁業、食品加工の開発に関する各種研究活動を実施する。 ➢ 研究機関間の研究活動の調整、管理を行う。 ➢ 以下に示す研究活動を実施する。 <ul style="list-style-type: none"> - 園芸研究 - 作物保護研究 - 畑作物研究 - 家畜、漁業研究

	<ul style="list-style-type: none"> - 家畜衛生研究 - 食糧・食品研究
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出典：MARA

2. 組織体制

(1) 中央組織

トルコの農業・農村開発を所管する農業農村開発省（MARA）は、大きく大臣の下に大きく6つのサービスユニットに分かれている。このうち農民支援の直接的な実施機関として、Major Service Unit が設置されている。

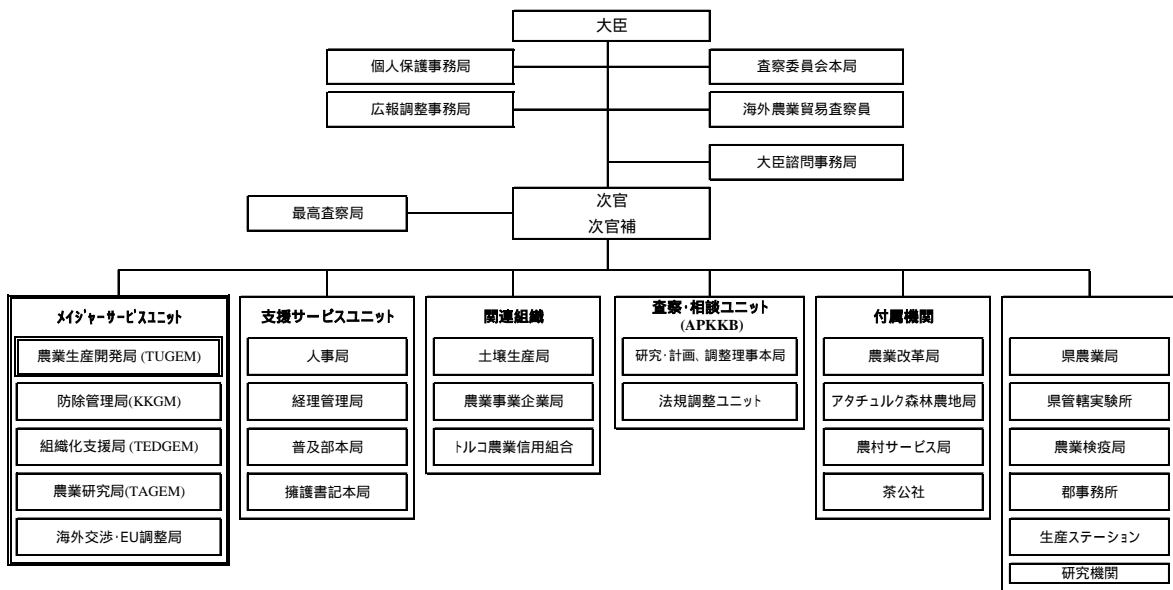


図1 農業農村開発省組織図

出典：MARA

以下に Major Service Unit 内の機関の組織図を示す。

1) 農業生産開発局（TUGEM）

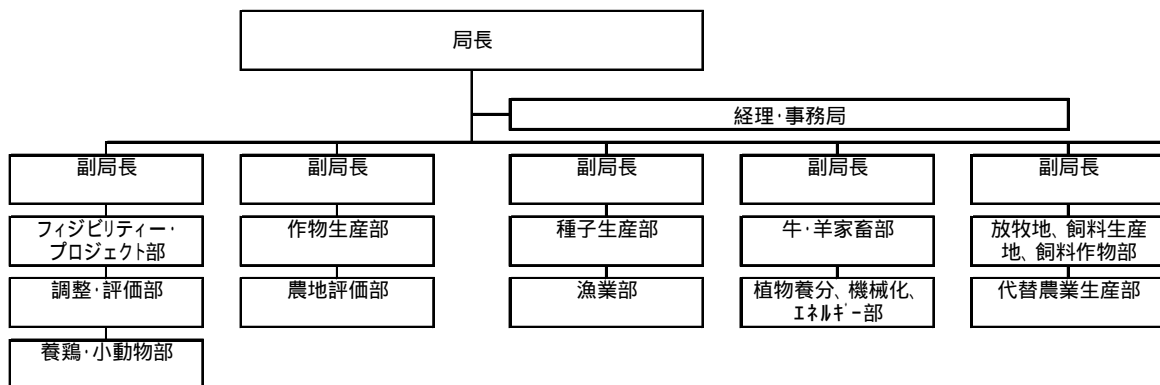


図2 農業生産開発局組織図

出典：MARA

このうち、農業生産開発局内には 11 の部があるが、プロジェクトの計画・立

案にあたる部署についてフィジビリティ・スタディー・プロジェクト部が担当している。

2) 組織化支援局 (TEDGEM)

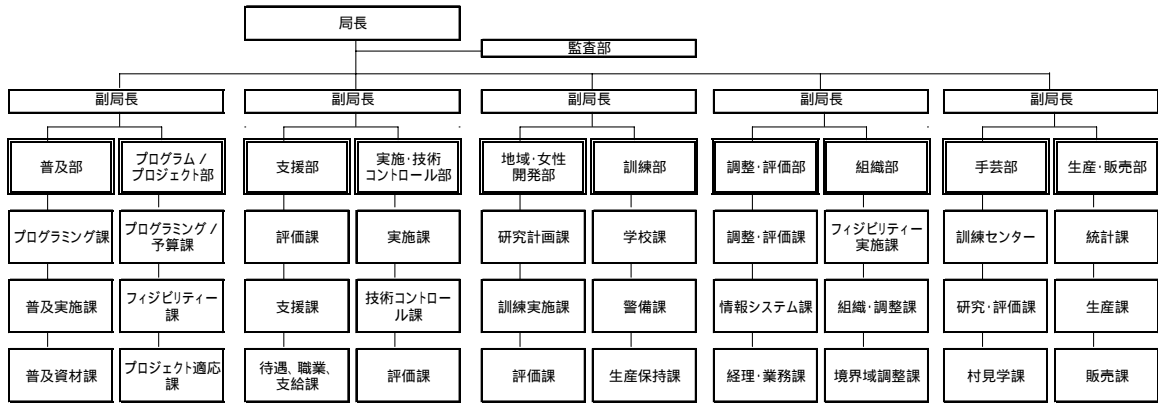


図 3 組織化支援局組織図

出典：MARA

3) 農業研究局 (TAGEM)

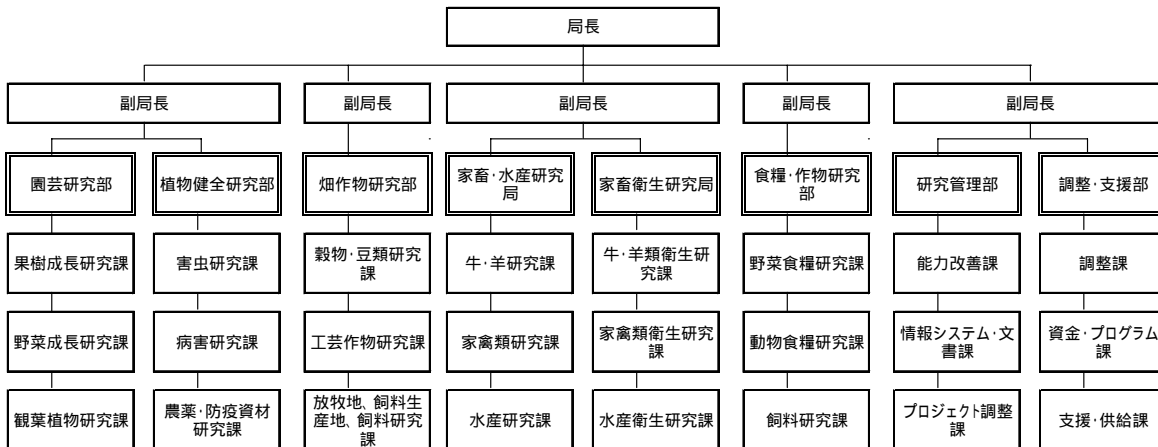
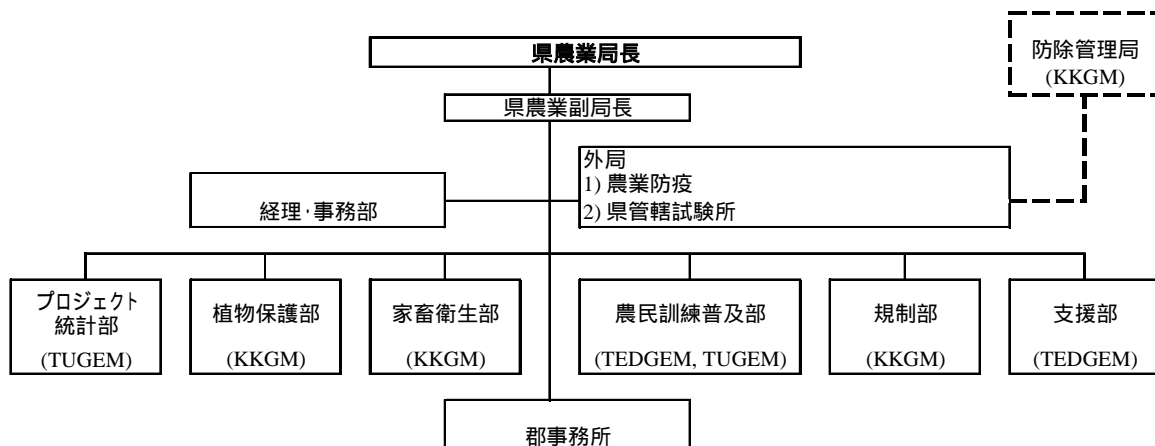


図 4 農業研究局組織図

出典：MARA

(2) 各県レベルにおける農業局の組織

トルコ国では、各県に農業局が設置されている。農民への支援の実質はこの県レベルにおける農業局が担当している。図 5 にその組織図を示したが、県農業局長の下に、6つの技術部局が設置され、また各郡 (District) に郡事務所を置いている。県農業局長は県農業局の管理・運営についての責任を統括しているが、技術的内容については、各技術部局は農業農村開発省本局のメイジャーサービスユニット内の関連部局から直接指導を受ける。



出典：トラブゾン県農業局（2005年）

図5 県農業局組織図

県農業局の各技術部局の活動内容を以下に示す。

表2 県農業局各部の主な活動

<p>プロジェクト 統計部 Project and Statistics Division (TUGEM)</p>	<ul style="list-style-type: none"> ➤ 作付け、収量生産量及び生態系に適した作物に関する予測を行う。 ➤ 作物生産、家畜飼育、水産業に関する統計情報の収集・評価を行う。 ➤ 作物生産、家畜飼育、水産業に関する生産力を確認する。 ➤ 生産投入コストの分析を行う。 ➤ 作物生産、家畜飼育、水産業における生産ポテンシャルに適した開発計画を作成する。 ➤ 省により許可された総合的・個別的な評価、販売手段、地域開発計画を実施する。 ➤ プロジェクトをベースとした事業のクレジットや技術支援要求度の評価を行う。 ➤ 適切なプロジェクトや農地開発計画を作成する。 ➤ 郡事務所への種子、肥料、機材、家畜繁殖、養魚のための卵、ミツバチの巣など投入必要物の配布計画を作成する。
<p>植物保護部 Plant Protection Division (KKGM)</p>	<ul style="list-style-type: none"> ➤ 病気、害虫、野生植物の同定を行う。 ➤ 対処計画の作成、承認プログラムの実施を行う。 ➤ 植物保護、関連する防疫のサービスを提供する。 ➤ 法的消毒及び試薬販売者の管理、監視を行う。 ➤ 農民によって行われる活動をモニター・管理し、植物保護の分野を提供する。
<p>家畜衛生部 Animal Health Division (KKGM)</p>	<ul style="list-style-type: none"> ➤ 家畜保護及び管理の法律の基準に従い家畜の健康保持及び処理を行う。 ➤ 家畜疾病及び家畜生産における病気を避けるための県レベルの計画、プログラム、プロジェクトを実施する。 ➤ 家畜疾病や寄生虫に対する対処サービスを実施する。 ➤ 家畜衛生や保護の為に生物学的科学的資材、予防接種、血清、薬などを確認し、提供を行う。 ➤ 家畜の移動を監視・管理する。
<p>農民訓練 普及部 Farmers' Training and Extension Division (TEDGEM/ TUGEM)</p>	<ul style="list-style-type: none"> ➤ 農民へ新しい農業技術情報を伝達する。 ➤ 研究や試験に必要な問題や事項を関連研究センターへ伝達する。 ➤ 研究・試験で出された実証結果について農民へ提言する。 ➤ 県レベルの普及プログラムを作成する。 ➤ 問題解決のための農家レベルで行われる試験や実証の計画を研究・試験機関の協力を得て実施する。 ➤ 研究・試験機関の協力を得て、灌漑のために開かれた土地で灌漑農業技術を普及や訓練を行う。 ➤ 農民の子供、成年を対象にモデル農民活動を訓練するために省により作

	成された計画を実施する。また、家計についての訓練を女性農民や若い女性を対象に実施する。
支援部 Support Division (TEDGEM)	<ul style="list-style-type: none"> ➢ 研究やプロジェクトの作成、資金援助の提供などを通し農民組織化、共同作業を促進する。 ➢ 組合、農家家族事業、農民共同経営などの農業組織のための貸付金の運用、支払いの配分を支援する。 ➢ 貸付金や資金の適正かつ期限を守る利用方を支援する。また、貸付金返還、投資実施の監督・管理を支援する。 ➢ 農民へ種子、肥料、機材、家畜繁殖、養魚のための卵、ミツバチの巣など投入資材を提供する。 ➢ 手工芸の開発、普及、促進及び農民の雇用機会創出のため生産物販売のための対策を取る。 ➢ 農民生産物の加工、販売を行う農民組織の形成を支援、指導する。 ➢ 農民組織の全体集會に責任者として参加する。 ➢ 自然災害被災者を支援する
規制部 Control Division (KKGM)	<ul style="list-style-type: none"> ➢ 技術的及び衛生学的見地から認可飼料製造工場を管理する。 ➢ 基準に従い食糧・飼料製造業者の生産物の適正を監視する。 ➢ 公共及び私的な家畜屠殺業者、総合的な肉加工工場を管理する。 ➢ 繁殖家畜の健康や不健康な家畜の去勢を管理する。 ➢ 漁業法に関する禁制、管理事業を実施する。 ➢ 種子を管理する。
郡事務所 District Offices	<ul style="list-style-type: none"> ➢ 郡レベルの農民のための開発、収入向上及び生活改善のためのプログラムやプロジェクトに必要な情報を集める。 ➢ プログラムやプロジェクトの関連部門の実施、評価を行う。 ➢ 農民訓練のための普及プログラムの作成、実施を行う。 ➢ 上部組織で作成された担当モデル栽培のための開発計画の達成を支援する。 ➢ 作物生産、家畜飼育、漁業に関する貸付金、農業資機材の全ての必要性を確認する。 ➢ 家畜衛生、植物における病気、虫、害虫を管理する。 ➢ 上部組織から与えられたフォームに従い農業統計をまとめる。 ➢ 郡レベルのプログラムやプロジェクトに従い資金提案書を作成する。

出典：トラブゾン県農業局（2005年）

東部黒海沿岸地域の県農業局の技術スタッフは合計 1,083 名である。このうち、2005 年の情報において、トラブゾン県の場合、17 の郡事務所と県農業局の技術者で農民支援を行っている。技術者 103 名（郡事務所長を含む）、アシスタント 76 名のスタッフを擁している。

表 3 トラブゾン農業局における人員配置状況（Total：319 人）

役職	2005 年 3 月現在		役職	2005 年 3 月現在	
	県本局	郡		県本局	郡
局長	1* ¹	-	獣医	11* ¹	10* ¹
副局長	2	-	獣医助手	3* ²	10* ²
部長	7	-	家庭経済専門家助手	14* ²	8* ²
郡所長	-	17* ¹	助手	17* ²	24* ²
技師	50* ¹	13* ¹	事務部門職員	43	19
化学者	1* ¹	0	労働者	44	25
合計	193	126			

出典：トラブゾン県農業局（2005年）

注：*1 は技術者（計 103 名）。*2 はアシスタント（計 76 名）

(3) 支援研究機関の状況

本プロジェクトでは農民支援の分野が多岐にわたると考えられる。そのため、研究機関などからの技術支援は必須となっている。以下に、関連する研究機関の組織・活動内容の概要を示す。

表 4 支援研究機関の状況

	ヘーゼルナッツ研究所	リゼ茶・園芸研究所	養蜂研究所
組織構成員	所長：1、副所長：1、技術職員：10、労働者：31（計 52 人） 部署数：9	所長：1、技術職員：12、労働者：22（計 35 人） 部署数：7	所長：1、副所長：1、技術職員：14、労働者：27（計 43 人） 部署数：6
業務	<ul style="list-style-type: none"> ➢ヘーゼルナッツ関連情報収集 ➢ヘーゼルナッツの基礎的、戦略的研究の実施 ➢遺伝資源の保管・収集 ➢図書業務 ➢ヘーゼルナッツに関する普及・訓練 ➢繁殖、生育技術の改良 ➢植物保護サービス ➢ヘーゼルナッツ加工技術開発 	<ul style="list-style-type: none"> ➢図書業務 ➢茶生産に関する普及・訓練 ➢繁殖、生育技術の改良 ➢植物保護サービス、 ➢茶加工技術開発、 ➢年次茶報告書作成 	<ul style="list-style-type: none"> ➢ミツバチの飼育、繁殖 ➢ミツバチ群生産、ビーハイブ生産、ハチミツ生産物加工 ➢ミツバチ健康保全 ➢養蜂技術の訓練・普及 ➢養蜂計画、プログラム作成
最近の活動	<ul style="list-style-type: none"> ➢ヘーゼルナッツ遺伝資源プロジェクト ➢品質、生産量向上におけるヘーゼルナッツ栽培技術開発 ➢選抜、交配 ➢コスト、売買、生産統計のデータベース構築 ➢ブラック・チェリー (<i>Prunus laurocerasus L.</i>) 遺伝資源研究 ➢有機ヘーゼルナッツ生産技術開発 	<ul style="list-style-type: none"> ➢緑茶加工技術 ➢品質、生産量向上における茶栽培技術開発 ➢選抜、交配 ➢キウイの栽培技術研究 ➢有機茶の生育技術の開発 ➢茶プランテーション、栽培地の更新 ➢茶の微量要素、主要要素の同定 	<ul style="list-style-type: none"> ➢西黒海沿岸地域のミツバチ種の繁殖 ➢アンザール自然植物のビーハイブから採種される花蜜・花粉の同定 ➢移動車両に設置する養蜂箱システムの最適化研究 ➢訓練・普及
所有資機材	事務棟、事務機材、車両(5)、会議室(1)、実験室(3 units)、図書室(1)、ワークショップ(1)、グリーンハウス(2)、トラクター(2)、トラクター機材(5) 面積(24 ha.)	事務棟、事務機材、車両(2)、会議室(1)、実験室(4)、図書室(1)、グリーンハウス(3) 面積(5 ha.)	事務棟、事務機材、会議室、実験室(2 units)、車両(6)、蜂の巣箱の施設、ワークショップ 面積(8.7ha.)
その他		業務計画 <ul style="list-style-type: none"> ➢小規模茶加工工場の設置 ➢茶博物館の設置 	

3．運営能力

DOKAP 各県の農業局には総計 400 人以上の技術者を抱えている。また、各県の郡には District 事務所が配置されており、農民支援・農業技術の普及に当たっている。

4．予算処置

プロジェクトに対する予算処置は、本プロジェクトのプロジェクトダイレクターでもある農業生産開発局長の責任で執行される予定である。農業開発生産局は国内におけるプロジェクトの計画や実施を担当しており、他のプロジェクト同様、本プロジェクトも中央直轄で実施される。これまで、農業開発生産局は多くのプロジェクトを実施しており、また援助機関との連携の実施例も多い。

本プロジェクトでは、農業開発センター施設、プロジェクトスタッフ、運営経費、モデルエリア運営経費などをトルコ側から提供される計画である。