

ANNUAL PROJECT REPORT 2012

United Nations Development Programme in Tajikistan

**UNDP/GEF Project “Sustaining Agrobiodiversity in the face of
Climate Change”**

[01-01-2012 – 31-12-2012]



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Implementing Partners/Responsible parties: NBBC

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I. Context

The main objective of the project is to embed the globally significant agro-biodiversity conservation and adaptation to climate change, adoption of ABD products in agricultural and rural development policies and practices at national and local levels in Tajikistan. The project seeks to remove the barriers to conservation and adaptation of the globally significant agro-biodiversity of Tajikistan by a capacity-building activities (on institutional and individual levels), in situ and ex situ agro-biodiversity conservation measures, market development and support of socio-ecological adaptation to climate change. The project enables rural communities and farmers to sustaining management of agricultural ecosystems and support to enhance their key functions.

In overall, the project contributes at least to three major outcomes prioritized under **UNDAF**, namely, **Outcome 2.1**. Good governance and economic, and social growth are jointly enhanced to reduce poverty, unlock human potential, protect rights and improve core public functions, **Outcome 2.2**. National institutions are strengthened for adequate gendersensitive response for food and nutrition security, and **Outcome 2.3**. There is more sustainable management of the environment and energy and natural resources. The project outcomes are also in accordance with **CP** and **CPAP**, and envisage **Outcome 1**. Poverty reduction and economic development programmes are enhanced, with particular focus on the rural poor, women and marginalized people, and **Outcome 6**. Sustainable natural resource management, improved environmental protection, and increase access to alternative renewable energy.

The main outcomes, which are expected to be achieved within the project implementation, cover **Outcome 1**: Agro-biodiversity conservation and adaptation to climate change through supportive policy, regulatory and institutional frameworks. Outcome includes: (i) Agro-biodiversity friendly and climate resilient policies and practices embedded into national policy and local development plans; (ii) A strengthened national extension service providing farmers with knowledge based extension technology to promote farmer varieties and promote climate resilience; and (iii) An extension package in place in 4 pilot sites as an entry point to ABD friendly, climate resilient production practices. **Outcome 2**: Improved capacity for sustaining agro-biodiversity in the face of climate change. Outcome includes: (i) Ex situ conservation of globally significant ABD established to protect wild relatives of important crops; (ii) In situ conservation of wild relatives of globally significant ABD in a minimum of 40 home gardens/farms in 4 project areas; (iii) Homologue Approach implemented in 4 project areas to enable farmers to adapt their current production practices to current and future climate risks and variability; (iv) Financial incentives in place to attract and keep stakeholders committed to conservation of climate resilient ABD, and **Outcome 3**: Enabling environment for market development for agro-biodiversity products developed. Outcome includes: (i) Enabling environment for agro-biodiversity based agro-enterprise development established; (ii) International and national demand for 4 ABD friendly and climate resilient products increased; (iii) Climate resilient ABD-friendly products available and branded in local and international markets; (iv) Business and financial capacity in place to produce ABD friendly products and services in 4 pilot sites; and (v) Increased and stable income from certified and non-certified products grown in ABD friendly areas in 4 pilot sites.

The implementation agency of the project is the United Nations Development Programme in Tajikistan and at national level National Biodiversity and Biosafety Center. The key project partners on implementation **at national level** - Ministry of agriculture, State organization on Hydrometeorology, National Republican Centre for genetic resources, Institute of botany and other subagent institutes of Academy of Sciences, Tajik Academy for Agricultural Sciences, state administrative organizations on environment protection and sustainable development, Jamoat Resource Centers, representatives of local and oblast authorities (Khukumats), NGOs and local farmers, and **at international level** - international organizations and development programmes (GEF Small Grants Programme, UNDP Community Programme, FAO, CIAT, etc.), and finance institutions, which activity will be incorporated to the project outputs and facilitate the social, economic and ecologic development of the targeted project areas.

II. Summary results and implementation review

A. Project Results and Impact Summary

Overall, the project outcomes with regard to the scheduled activities were fully achieved.

International, national and individual consultants, partner organizations and local NGOs were outsourced to carry out the project activities. Tripartite memoranda were signed and joint work plans developed by UNDP Area offices, Jamoat Support Centers (JRC) and 10 jamoats. Partnerships with local authorities, farmer communities and partners in the four project districts have been established and are further evolving.

The GEF METT analysis, independent monitoring of the strategic priorities and achievements of the project was conducted. At the same time, more than 40 meetings with representatives of local governments, JSCs, farmers and local communities of the project area were organized. The mid-term evaluation report of the project was performed.

During the reporting period the contracts with the project partners such as, the National Republican Centre for Genetic Resources, the State forestry agency of Baljuvan district and the Botanical garden of Kulob, on implementation of practical measures with farmers of the project areas were concluded. The local consultant on communication and awareness raising was involved. At the same time, 30 new individual contracts with national experts and consultants were concluded.

Based on the activities undertaken in conjunction with the project partners, the following results have been achieved.

- Work plans and programs with three CP UNDP were developed. According to them, seminars, workshops, consultative meetings were conducted, where 1383 people were reached and trained on issues of ABD conservation and adaptation in the face of climate change. The work plan enabled to analyze situation and prepare the programme for the implementation of practical measures in the project areas. The plans and programs included capacity building initiatives, measures to create agribusiness and improving the conservation of local ABD.
- Representatives of four project JRCs responsible for implementation of the project activities in 10 model jamoats provided support to beneficiaries for effective conduction of planned activities in the project areas, and increased initiatives for sustainable ABD conservation among local farmers and the local administration in 10 jamoats.
- Tripartite work plans with 10 model jamoats on sustainable ABD in the face of climate change were developed and ensured the project cooperation with JRC and local administration to effectively implement measures to reduce the negative incentives in the market development of local communities.
- The database of the National Republican Centre for Genetic Resources, with the support of the project (ex-situ collections of grain and leguminous plants) was regularly updated. An access for national and international partners for cooperation and use of the national germplasm was provided.
- In cooperation with the National Republican Centre for Genetic Resources the study-tour for 80 beneficiaries, households and agronomists to learn collected materials of ABD genetic resources was conducted.
- Demonstrations of NRCGR collection and conducted training for 35 staff of Hamadoni nursery enabled to raise awareness on practical use of locally adapted varieties of crops and training of farmers and households on method of fruit form genetic resources.
- A survey programme of homologous sites with NRCGR for identifying of ABD, valuable species, completion of the database and the collection by adapted genetic resources was developed. During the field trips to project jamoats and homologous sites revealed valuable types of genetic resources of ABD (apple, walnut, cherry, mahaleb, etc.), which are recorded on maps and entered into the NRCGR database. Compiled an electronic catalog of collected accessions of genetic resources from the project jamoats and homologous sites.
- 56 homologous sites for 28 project jamoats to reveal valuable ABD species for modeling were identified and selected. The brochure on environmental, physical and geographical characteristics and natural resources of 28 project jamoats was issued. Climatic charts, topographic maps of 32 project jamoats, GIS maps for the 32 project jamoats, satellite images

and maps of the administrative arrangement for 28 project jamoats and 56 homologous sites were prepared.

- 68 thousand marked and certified seedlings of valuable species of fruit crop genetic resources (14 species), ornamental plants on area of 80 hectares of Sayod were planted in partnership with State Forestry Administration.
- The State Forestry, the NRCGR and a farmer from jamoat Yol of Shuroabad district, performed about 66300 seedlings of fruit crops of 9 species at the fair of fruit seedlings and ornamental plant species, held in Dushanbe. This event promoted the public access to local genetic resources of fruit plants, conservation and dissemination of valuable fruit crops gene pool in agricultural practices, which in turn had a significant positive impact on market development of local ABD products.
- 151 farmers of Dektur jamoat, Baljuvan district get microcredit through MLF "Imdodi Huta" for the conservation and dissemination of ABD adapted local varieties. The credit program in Dektur jamoat is aimed on development of gardening, cultivation of grains, entrepreneurship and small and medium business. The loan program in Dektur jamoat enabled to create 16 hectares of orchards of adapted local fruit genetic resources and 45 hectares of grains and legumes. The total amount of microcredit is 149,878 somoni. Through a revolving fund of MLF "Imdodi Huta" created mother garden on an area 1.09 ha. of JSR Dektur, planted 100 seedlings of fruit genetic resources provided by the project partner NRCGR.
- 12 farmers of Humdon jamoat, Nurobod district got microcredit through MLF "Faizi Surkhob" to create and restore gardens of local varieties of fruit crops, the total area is 2 hectares of gardens. The total amount of microcredit for Humdon jamoat is 28,560 somoni.
- As part of the new SGP portfolio evaluated 58 project applications for creation of gardens, microbreweries for solar driers construction, processing and preserving of ABD products. Approved 16 priority projects. Concluded 7 agreements on fruit crops, 8 on solar driers construction and one project on creation of microbrewery for drying and processing of agro products in 10 jamoats.

Project experts prepared about 30 presentations, 8 training modules 2 methodical manuals and instructions to enhance the capacity and knowledge of farmers and households about sustainable conservation of ABD in the face of climate change. Based on that conducted practical activities:

- 34 workshops and consultative meetings on measures to ensure food security and adaptation to the climate change, use of traditional technology to conserve local ABD and other technologies for sustainable ABD in the face of climate change, methods to increase yields of grains and legumes, the policy of microcredit on ABD market development, best practices of conservation tools and market development, exchange of experience in creation of an integrated potential in the project areas.
 - National conference with scientists, teachers and students for 600 participants on genetic resources of ABD, measures for climate change adaptation and food security
 - Conference with representatives of environmental agencies in Khovaling area for 30 beneficiaries of the project areas on local genetic resources and sustainable use of natural resources and measures for climate change adaptation.
 - 22 practical trainings on methods of processing and long-term storage of ABD products (10); support and implementation of the SGP in the project areas (10), business analysis for future development and planning of agribusiness (2).
- Totally 69 conducted events increased knowledge more 1368 representatives of beneficiaries, households, JRC, jamoats and other stakeholders.

Target 2012	Result 2012
1.1. Consultative package on sustainable ABD in the face of CC and market development available for development of sustainable policy on conservation of local ABD on adaptation to CC and agribusiness development	1.1. In 2012, 13 advisory packages for farmers and households on local genetic resources and methods of ABD adaptation to CC and were developed and distributed at local, national and international levels to ensure the smooth implementation of the project among the farmers, partners and international organizations.
1.2. Local administration of target jamoats have cooperation plans and implement joint programmes on sustainable conservation of ABD in the face of CC	1.2. In cooperation with UNDP Area Offices operational plans have been signed with pilot jamoats to implement all the project initiatives on the ground.

<p>2.1. Homologue approach methodology on climate change and local germplasm productivity assessment of cereals applied at project sites and demonstrated to project partners</p> <p>2.2. Local genetic resources of fruit wild relatives and cereals database available to project partners and strengthens national institutional base on sustainable conservation of local ABD</p> <p>2.3. National resources of local fruit in-situ germplazms replenished at farmers households, that trained adaptation methods and income increasing measures</p>	<p>2.1. 64 homologue sites were identified and selected for 36 project jamoats; in partnership with project partners, a survey program on homologue sites for identifying and revealing the valuable ABD species was initiated; two manuals on modelling were prepared and distributed to project partners for further use.</p> <p>2.2. In cooperation with the NRCGR, 3 field trips to homologue sites of the project areas were conducted to monitor and identify the ABD valuable species. As a result, the database of NRCGR was replenished with new varieties of valuable genetic resources.</p> <p>2.3. 7 proposals under the SGP project were awarded as small grants (80,000.00 USD) to the 4 project areas focusing on setting the gardens with the use of climate-resistant seedlings.</p>
<p>3.1. Developed local agroenterprises with support of SGP, MLF and project consultative programmes earn benefits on a basis of local ABD adapted to CC</p> <p>3.2. Development of value chain proposals for income increase of local ABD and widening of access to local ABD product certification</p>	<p>3.1. In 2012, 9 proposals under the SGP project were as awarded small grants (130,000.00 USD) to the 4 project areas, out of which 8 were dedicated for construction of solar dryers and 1 for processing of ABD products. Under the MLF initiatives (MLF "Imdodi Khutal"), the project provided credits to the population of Jamoat Dektur 48,040.00 TJS for the development of small business and entrepreneurship.</p> <p>3.2. The model of the project proposal on solar dryers, (including publications on market development, monitoring of value chain, strategy SGP development, practical measures on development of local ABD product processing etc.) were developed and circulated among the stakeholders at the national and local levels.</p>

B. Strategy Implementation Review

Overall implementation strategy was based on the priorities of the approved work plan 2012, priorities of the GEF strategic program on the climate change and biodiversity, on the monitoring program (METT-analysis). The overall strategy of project implementation includes the involvement of all potential participants and project partners at the national and local level in project activities.

The project actively participated in a series of seminars and meetings held by the Government, special agencies, projects, and other organizations performing reports and presentations to share experiences and promote the results of the project. The project initiated and provided the intellectual and informational support for the adoption of the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity.

III. Detailed project activities review

OUTPUT 1. Agrobiodiversity conservation and adaptation to climate change through supportive policy, regulatory and institutional frameworks

Materials to review of current policies on ABD adaptation to the climate change and recommendations for new principles of adaptation policy in cooperation with public consultation were prepared. Practical advice for 180 farmers on the local traditional varieties of valuable ABD and methods of accounting of climate change in order to improve their farming was elaborated. Draft version of the project database on local ABD varieties and forms for submission in four project areas was developed. Development

agreements and detailed work plan with project partners and UNDP CP to organize and conduct consultations, seminars and other events on agricultural biodiversity and adaptation to climate change. An agreement was reached with key national institutions for organization and introduction of ex-situ and in-situ materials in national and local policies. More than 1,500 seedlings adapted to the climate change forms and varieties are available to farmers and are grown in the project areas. The project team supports farmers through training and consultation. Training on business planning, at least of 200 members of households to develop their production and attract finance and investors. The Concept of National Strategy for the ABD Conservation in the face of climate change in Tajikistan was developed.

During the reporting period for results achievements conducted the following activities.

Activities review

- Developed the sectoral analysis on evaluation of in-situ and ex-situ ABD conservation policy.
- Prepared materials and proposals of the project are used during development of the Law "On pastures", "Genetic resources" and "Biological housekeeping."
- Conducted the scientific-practical conference on local genetic resources, with 30 representatives of regional and local authorities, farmers of pilot districts, representatives of the Committee for Environmental Protection of Khatlon region. Discussed three reports and 3 presentations on implementation policy and ABD adaptation to climate change.
- Created 13 advisory packages that include brochures, modules, presentations for farmers and households on local genetic resources and methods of ABD adaptation; assessment of traditional local agro-biodiversity conservation technology, methods of ABD products processing for long-term storage; measures to ensure food security; including 8 modules, presentations, and a questionnaire on the value of genetic resources database for community, wild relatives of cultivated species and their role in adaptation to climate change, homology modeling and adaptation climate change; agrotechnology of garden cultivating and grafting techniques to improve varietal status, sustainability of fruit crops and adaptation to the climate change
- Prepared 5 brochures on agricultural technologies of garden cultivating. Advisory packages were used to conduct 58 workshops and consultations for 980 households and farmers of 4 project areas.
- Developed and signed operational plans of the JRCs jointly with the regional offices and the local administration of 10 pilot jamoats. Work plans of the JRCs and jamoats included activities to create collection gardens, extension of crops, based on traditional varieties, improve knowledge skills of local farmers and households through the organization of training, seminars and awareness activities.
- Representatives of 10 JRCs jointly with representatives of 3 Regional Offices of UNDP (Kulob, Aini and Rasht) facilitated 58 workshops and consultations on conservation, introduction and ABD adaptation to climate change, business planning and development of new grant programs SGP and MLF. Totally trained more than 980 farmers and households of the project areas.
- Concluded 3 agreements with the partners: the National Republican Center for Genetic Resources (NRCGR), Forestry of the Baljuvan district and the Botanical Garden in Kulob to implement activities on conservation and introduction of ex-situ and in-situ ABD materials in 4 project areas.
- NRCGR created a nursery of adapted varieties fruit crops on an area of 0.20 ha for distribution to project sites. As well as during a field work the database of NRCGR was replenished by new varieties-samples of grains and legumes plants from the project sites. The Botanical Garden of Kulob created nursery of wild relatives of fruit crops (apple, almond Vavilov, walnut, etc.). Forestry of the Baljuvan district conducted a selection of sites for laying of mother-gardens with 3500 seedlings nut and fruit crops.
- The project partners State Forestry Administration done a planting of 68 thousand certified and adapted seedlings of fruit and nut crops of 14 species on the area of 80 hectares of Sayod. On exhibition sale the State Forestry Administration presented 62 thousand certified seedlings of 10 species of valuable fruit crops.
- Prepared training materials (modules and presentation) for workshops in 4 project areas. Conducted 10 seminars on methods of ABD processing for long-term storage for women of project sites for 150 households, 10 seminars on measures to ensure food security for 150 households, 10 seminars on evaluation of using technology of local ABD traditional preserving in the face of climate change for 150 households; 10 workshops for 150 households on how to increase an yield of grains and legumes crops, 10 workshops on support and implementation of the SGP in the project areas for 200 households, 2 workshops on learning of best practices and mechanisms of market development

and exchange of experience in creation of an integrated potential in three project sites for 60 households; 2 seminars on how to conduct business analysis for the planning and development of agribusiness for 60 households in Rasht and Kulob, 2 workshops on lending policy in ABD market development area for 60 households in Kulob and Rasht. In Dushanbe, held 11 seminars and workshops on introduction of ABD policy and adaptation to climate change, modeling and methods of adaptation, local genetic resources, economic principles of sustainable development and ABD market development, involving 288 people.

- Prepared a report on climatic characteristics, characteristics of ABD species and varieties, types of ecosystem of 32 project jamoats for development of the National Strategy for the Conservation of ABD in the face of climate changes.
- A report on the climatic characteristics, characteristics of the species and varieties of the ABD, the type of ecosystem 32 jamoat project for development of the National Strategy for the Conservation of ABD under EC.
- Steering Committee meeting with participation of key project partners and beneficiaries was conducted. Its main goal was to summarize project activities and results for the period of 2012, assess their effectiveness, as well as to discuss project achievements and future plans with the parties involved in the project implementation. As a result of this meeting the project activities implemented during 2012 were recognized as successful and effective. Final report for 2012 was approved, and the annual work plan for 2013 was considered and approved as well. Based on the received results there have been developed and published publications, and produced a video shot, that were demonstrated during the meeting.
- Prepared 6 presentations on ABD policy and climate change adaptation, market and agribusiness development. These presentations have been demonstrated during three working meetings on monitoring and evaluation with project experts and the International Consultant.
- Analytical report and project presentation have been demonstrated during the regional meeting in Berne, Switzerland.
- The report and presentation devoted to "Forest genetic resources of Tajikistan in the face of climate change" have been demonstrated by the Project Manager, Mr. N. Safarov, during the regional workshop conducted by JICA
- The project results were presented at a regional seminar in Antalya and prepared proposals for regional project on genetic resources of ABD, which has already begun to be implemented.
- Presentation and report on the project strategy were presented at the events of the CBD COP and prepared speech at the "high level" meeting of project initiatives expansion. The project manager was interviewed about ABD genetic resources of Tajikistan on national television in India.
- The project manager took part in forest planting in Panji (India) in the framework of global cooperation with the GEF SGP.
- Prepared documents to justify the ratification of the Nagoya Protocol on genetic resources for the Parliament and for the Government. In September 2012 Tajikistan signed the Nagoya Protocol on genetic resources.
- Prepared information sections for the strategy of agrobiodiversity and sustainable use in the face of climate change.
- Developed a package of documents for conducting a conference on ABD genetic resources with the Parliaments ecological group.
- The book "Technology of ABD products processing and preservation" was developed. This book will be used as a training module for workshops on the methods of ABD products processing in the project areas and promotion of local women's interest in agro-business development.
- Conducted over 40 meetings with the project partners, local authorities and farmers in the project areas, in cooperation with the international consultant for mid-term evaluation of the project.
- Independent GEF monitoring on METT analysis related to strategic priorities and achievements has been conducted; the report is prepared.
- The brochure on "Food security in the face if climate change" has been developed to be used in working workshops devoted to measures of ensuring food security in project areas.
- Prepared training modules for workshops in the project areas on measures to ensure food safety.

- There has been conducted the scientific conference devoted to the International Biodiversity Day where 40 teachers and students of the biological faculty of Tajik National University participated. The participants got acquainted with the significance of ABD genetic resources, conservation of in-situ ex-situ ABD, and measures of climate change adaptation. The International Consultant and project staff had a meeting with the scientists and teachers of High schools of the country.
- Conducted Conference in Khovaling area with 30 representatives of environmental agencies of Khatlon region on local genetic resources of ABD. The participants were informed about the importance of local genetic resources and adaptation to climate change.
- Organized the meeting of International Consultant on mid-term evaluation with scientists and academics of country universities.
- Prepared an information package for field monitoring of the International consultant on mid-term evaluation. Developed maps, guides, itinerary with a legend on the project activities in the project areas.
- Developed the package of documents (script, agenda, list of participants) for the workshop with the partners on intellectual property of genetic resources.
- Prepared 4 training modules "Traditional methods of ABD conservation", "Ensuring Food Security", "Improvement of lending policies of the ABD market development", "Technology of drying and storage of agro-biodiversity" for further use at seminars in the project areas.
- A presentation on achieved project results under the framework of targets and objectives of CBD Strategic Plan on Aichi-Nagoya has been prepared. Results and achievements of project have been presented on September 2012 at regional workshop in Chisinau, Moldova. During this regional workshop the group that has participated has gained knowledge and practical experience on development and justification of indicators for development of ABD Strategy.
- Conducted a workshop with 30 teachers and students of high school in Peshtov village of Baljuvon district on the conservation of agro-biodiversity, genetic resources and adaptation to climate change. Participants are informed about the value and importance of ABD genetic resources and adaptation to climate change. The educational materials such as books, CDs were distributed to participants as well, so that to enhance their awareness on local ABD genetic resources and climate change.
- Organized the Public Council on protection of genetic resources in Sarikhosor jamoat, Baljuvan, which includes representatives of local administration, farmers, agronomists, teachers and local residents. Public Council has regulations, goals and objectives includes the involving of practice of conservation and use of genetic resources through conducting news papers, roundtables, and workshops for local population on sustainable agro-biodiversity in the face of climate change and ABD market development.
- Prepared ToR and integrated tables for rapid collection of statistical reporting on productivity of the local ABD in the face of climate change on the project area, which are referred to CP UNDP of project areas to collect information from project Jamoats.

Achieved results:

- During the sector analysis of evaluation the policy of ABD in-situ, ex-situ conservation tested and showed a reproducible way of local ABD gene pool, their use enabled farmers and rural communities to get benefit from conservation of agro-biodiversity, and increase their capacity in adaptation to the climate change.
- Materials and experience of the project was considered and implemented by the government during development process of the Law "On pastures," "Genetic resources" and "On Biological housekeeping."
- Conducted scientific and practical conference on local genetic resources enhanced the knowledge of 30 representatives of regional and local authorities, farmers and representatives of pilot areas, representatives of environmental committees of Khatlon region about importance of local ABD genetic resources, ABD policy implementation and adaptation to the climate change.
- Consultative training package (brochures, modules, presentations) containing information on local genetic resources of ABD and adaptation methods, evaluation technology using of traditional local agro-biodiversity conservation, ABD processing methods to for long term storage and food security measures was used for 40 workshops and consultation to more than 600 households and farmers of 4 project areas.

- Developed agreements and the detailed work plan with project partners 3 UNDP Regional Offices and 10 JRCs aimed on planning of ABD implementation and conservation activities, organizing and conducting seminars, consultations and measures on ABD adaptation to the climate change, in 4 project sites, improved the capacity of farmers on sustainable implementation of ABD in their economic management.
- Signed bilateral agreements of project with national institution (National Center for Genetic Resources) and the results of partners' activity increased the potential of community in introduction of ABD ex-situ in-situ materials to the national and local policies, as well as to agricultural practices of 4 project areas.
- Created collection gardens under SGP projects in 4 pilot jamoats of Kulob and Rasht area contributed to conservation and implementation of ABD and adaptation to the climate change at the local level. More than 7050 seedlings of adapted to climate change forms and varieties of fruit plants are available in 7 farms and 25 households of three project areas. The project team supports owners of seedlings through training and consultation on agricultural technology of garden cultivation, methods to protect gardens from pests, accounting methods of collection plantings. More than 80 farmers and households of 8 pilot jamoats in Kulob and Rasht zones Increased their knowledge.
- Conducted training in 3 project areas (Kulob, Rasht) on business planning for the 150 members of households and farms contributed to acquisition of skills in business planning, production development and attraction of financial investors through projects implementation under SGP and MLF.
- Implemented by national experts activities on description of ABD, wild relatives of crop plants species, climatic characteristics of the landscape, ecosystems and others contributed to the preparation of a draft version of contents for the Concept of the National Strategy for ABD conservation in the face of climate change in Tajikistan.
- During the monitoring of the GEF METT analysis on the strategic priorities and achievements of the project prepared six presentations on ABD and adaptation to the climate change policy, development of agribusiness and market, considered at three workshops on results of monitoring and evaluation with experts and international consultant. Held over 40 meetings with the project partners, local authorities and farmers in the project areas with the international consultant on assessment of implemented work in the project areas. Prepared the report on mid-term evaluation of the project.
- Prepared an information package, maps, guides, charts routes with legends on activities of the project in the project area enabled to perform more clearly the amount of work for international consultant on the mid-term evaluation.
- Performed analytical reports and presentation of the project at national and regional meeting of the GEF in Bern (Switzerland), at the regional seminars in Moldova and Georgia, and Turkey expanded the project experience at the international level and laid the foundation for further development of new regional projects on genetic resources of ABD
- Presentation and report on the strategy for the project were presented at the events of the CBD COP, prepared speech on a meeting of a "high level" on expansion of project initiatives. The project manager took part in forest planting in Panji (India) as part of a global collaboration with the GEF SGP and was interviewed about ABD genetic resources of Tajikistan on national television in India.
- Presented presentation at a regional seminar in Chisinau (Moldova) on the results and achievements of the project, within the goals and objectives of the Strategic Plan of the CBD Nagoya Ayichi was highly appreciated by the participants. Agrobiodiversity team leader gained knowledge and practical experience in development and justification of indicators for development of ABD strategy.
- Prepared documents and justification to ratify the Nagoya Protocol on Genetic Resources were presented in the government of Tajikistan and the Nagoya Protocol on Access to Genetic Resources was signed in September 2012.
- Training module "Technology of processing and preserving ABD products" was used during the workshops in 10 jamoats of 4 project areas. 150 women beneficiaries were trained for conservation techniques of ABD products for agribusiness development.
- Designed brochure "Food safety in the face of climate change" was used to conduct 10 workshops in four project areas, 150 households and farmers were trained for implementation methodology to adapt to the climate change and food safety.
- Scientific Conference on the International Day of Biodiversity improved skills and level of knowledge of 40 teachers and students of biology faculty of Tajik National university about the importance of ABD genetic resources, in-situ and ex-situ agrobiodiversity conservation and adaptation to climate change.

- Prepared information package is intended for a workshop with stakeholders and beneficiaries on intellectual property on genetic resources.
- Conducted seminar on conservation of local genetic resources of agro-biodiversity and adaptation to the climate change with 30 teachers and students of high school in Peshtova village, Baljuvan district increased their awareness on the value and significance of ABD genetic resources and adaptation to the climate change. Educational materials (banners, books, CDs) are used to raise awareness of local people about the importance of local genetic resources of ABD in the face of climate change.
- Organized Public Council on the protection of genetic resources in Sarikhosor jamoat of Baljuvan area conducts awareness activities and seminars for local population on issues of protection of genetic resources and sustainable agro-biodiversity in the face of climate change, ABD market development.
- Kulob regional office of UNDP presented statistical tables on the productivity of the local ABD on project areas of Kulob zone, in Rasht and Zarafshan the work is in progress.

Impact on beneficiaries

The knowledge and experience of farmers, households, jamoat representatives acquired on seminars and trainings, facilitated cooperation between local authorities and local communities on the project areas on issues of introduction of valuable ABD species and forms in the face of climate changes, as well as land use and economic management policies.

Consultative package of information resources has created the conditions for the expansion of the practice of effective implementation of local traditional ABD forms and varieties adapted to the climate changes for farmers in four project areas. The practice of traditional ABD using is included in work plans on adaptation to the climate changes of jamoats in order to improve food safety for mountain communities of the project areas.

Beneficiaries got access to highly adaptive local traditional varieties of grains and legumes and certified seedlings, which expanded the area of living collections of fruit in 4 project areas.

OUTPUT 2. Improved capacity for sustaining agrobiodiversity in the face of climate change

In four pilot areas conducted activities on homology modeling, ABD adaptation to the climate change for the conservation of ABD in-situ and ex-situ species and forms. Created a database of old varieties as well as created collection orchards as part of the SGP.

During the reporting period for results achievements conducted the following activities.

Activities review

- Conducted two workshops with the project partners to discuss issues of homology modeling, measures of adaptation and choice of homologous sites of the project areas.
- Prepared two manuals on modeling for use in workshops and training and distribution in target jamoats project.
- Developed a survey program of homologous sites in conjunction with NRCGR for identifying and revealing of valuable ABD species and completion the database and the collection of adapted genetic resources.
- By the method of homological approach identified and selected 64 homologous sites for 32 project jamoats to identify valuable species of ABD and homology modeling.
- Prepared a brochure on environmental, physical and geographical characteristics and natural resources of 32 project jamoats. Prepared climatic charts, topographic maps, GIS maps, satellite images and maps of the administrative arrangement 32 project jamoats and 64 homologous sites.
- Conducted the workshop with the project partners to discuss the issues of in-situ site selection genetic resources for subsequent modeling.
- Jointly with NRCGR conducted 3 field trips to homologous sites in Baljuvan and Khovaling districts of project areas for monitoring and identifying of valuable species of agro-biodiversity and local genetic resources.

- Monitored collection gardens of genetic resources and homologous sites of project areas. During the monitoring explored 12 villages of Baljuvan and Khovaling areas, identified valuable species of agro-biodiversity and local in-situ genetic resources, such as apple Surhseb, walnut, mahaleb, cherry and other species, that recorded on map and in the database. Prepared the monitoring report.
- NRCGR database was replenished with new kinds of valuable genetic resources from the project sites and homologous sites. Compiled a catalog of collected variety-sample of genetic resources from the project and homologous sites.
- During the visits and meetings with local people, farmers and households of Baljuvan and Khovaling areas discussed the issues of traditional methods of genetic resources conservation and methods of genetic resources drying and storage.
- Prepared a justification for protection of two sites with valuable genetic resources of apple (Surhseb), walnut, plum wild, mahaleb in Khovaling area. Prepared a passport for the unique type of genetic resource of apple (surhseb) with a description of the form, photos and maps.
- Prepared two thematic training and study stands on genetic resources, which are available in Sarikhosor jamoat and secondary school of Peshtova village, Baljuvon district to raise awareness on local ABD genetic resources.
- Project partner NRCGR conducted study- tour for 80 farmers and agronomists of the project areas at the location of genetic resources collections. Conducted the practical training for staff of the nursery in Hamadoni area on grafting and selection of varieties and forms of fruit crops.
- Under the agreement with the Botanical Garden of Kulob conducted expeditions on the project areas of Kulob zone, collected materials of various forms of fruit for production of adapted plants. Created ex-situ nursery of nut crops genetic resources at the botanical garden as well (almond and walnut) for further distribution in the project area. In the botanical garden on 2 hectares created a garden from age-old traditional varieties of fruit crops.
- Prepared the Concept of strategy of awareness of agro-biodiversity and climate change
- By an independent expert monitored collectible-mother gardens of the project and homologous sites. The monitoring showed that the survival rate of seedlings due adapted genetic resources at the pilot sites is 90%.
- Based on the impact analysis of nursery propagation of collected gene pool prepared the report. This report presents recommendations on sustainable use of grown nursery material, which is for distribution on the project sites.
- As a result of activities on the second component published 11 informational and analytical articles, which include the agrotechnology of local varieties of grain cultivation, implemented projects and achieved results of SGP and homology modeling of the project areas.
- As part of the annual program of landscaping, at the initiative of environmental authorities, agricultural sector and gardeners, with the support of Khukumat in Dushanbe conducted trade fair of grafted certified valuable genetic seedlings of fruit and ornamental plant species, represented by State Forestry, NRCGR and seedlings grown in a nursery of Yol jamoat, Shuroabad district. Totally presented over 100,000 seedlings. The event promoted public access to local genetic resources of fruit plants, conservation and dissemination of valuable fruit crops gene pool in agricultural practices, which in turn has a significant positive impact on the market of local ABD products.
- Created a mother-garden from 100 seedlings of fruit crops genetic resources on an area of 1 hectare in Dektur jamoat, Baljuvon district.
- Collection garden will be a sort of bank of genetic resources, which will allow farmers to consolidate and extend the unique species of fruit trees. All 100 seedlings are kept. It is performing a technical arrangement of the garden.
- Designed and located 3 training and study stands in the JRC Dektur for awareness on local genetic resources of Dektur jamoat. A special stand on achievements and impact of MLF in a remote mountain area of Dektur jamoat is placed in JRC.
- Prepared a map of ABD genetic resources dissemination of Jamoat Dektur to create a local center of genetic resources in JRC Dektur.
- Developed the Concept of Strategy for sustainable conservation and use of agricultural biodiversity in the face of climate change.
- Monitored the implemented activities and meetings with local officials and farmers of Dektur jamoat. The results of project activities highly evaluated by the independent experts.
- Project partner NRCGR under the agreement provided farmers of the project areas with seedlings of fruit crops to improve productivity of gardening.

- On demonstration site of NRCGR on an area of 0.20 ha created mother-nursery of adapted species of fruit crops (apple, grapes, pomegranates, peaches, almonds, persimmons), seven thousand seedlings are for distribution on the project area and homologous sites.
- Developed and published 11 informational training manuals on farming cultivation of local varieties of crops, on SGP results, as well as on homology modeling of the project areas.

Achieved results

- On three workshops with the project partners discussed and agreed the procedures for selecting sites of in-situ genetic resources, selection of adaptive varieties, implementation of adaptation methods and selection of homologous sites for further modeling of the project areas.
- Prepared two manuals on climate modeling and crops used for two workshops and trainings in Kulob and Rasht and raised awareness of more than 50 farmers and households on the principles of modeling and adaptation to the climate change.
- The survey program and the form of homologous sites description are used in identification and revealing of valuable ABD species in the project areas and homologous sites to replenish the database of the NRCGR by adapted genetic resources.
- Created a database on climate for 32 project jamoats and 64 homologous sites for further modeling. By the principle of homological approach identified and selected 64 homologous sites for 32 project jamoats to identify valuable species of the ABD and conducting of the climate homology modeling.
- Developed a brochure on climatic, physical and geographical characteristics and natural resources of 28 project jamoats. Prepared 84 climatic charts, maps, GIS maps, satellite images and maps of the administrative location of 28 project jamoats and 56 homologous sites.
- Monitored the collection mother gardens of project areas of Kulob zone, survival of seedlings of genetic resources is more than 90%. 10 farmers and households responsible for mother gardens were trained on practical examples for the care of young plants, methods of pruning and grafting of seedlings and agro-technical works.
- 2 identified sites with valuable genetic resources of apple, walnut, wild alycha, mahaleb in Khovaling district are described and prepared recommendations and justification for protection of the sites and determined a protection regime. Designed maps and nameplates with place description and a passport for a unique kind of genetic resources of apple (surhseb) with a description of the form, photos and maps.
- 2 thematic and training stands on local genetic resources of Sarikhosor jamoat placed in high school of Peshtova village of Baljuvan area to raise awareness on local genetic resources of ABD.
- Prepared a report on monitoring of collection mother gardens on project sites and homologous sites. The monitoring showed that the survival rate of seedlings of adapted genetic resources on the pilot sites is 90%.
- Prepared a report on selection of adapted species and nursery propagation of seedlings of genetic resources. The report includes recommendations on rational use of grown nursery materials, aimed on distribution in the various project areas.
- Prepared brochures and 11 informational materials about aspects of farming cultivation of local varieties of crops, implemented projects under the SGP and results achieved, and homology modeling of the project areas.
- At the trade fair of certified plants held in Dushanbe presented over 100,000 seedlings by project partners State Forestry, the NRCGR and a farmer from nursery of Yol jamoat, Shuroabad district. The event promoted public access to local genetic resources of fruit plants, conservation and dissemination of valuable fruit crops gene pool in agricultural practices, which in turn has a significant positive impact on the market development of local ABD products.
- Created mother garden on an area of 1.06 hectares containing from 100 seedlings of adapted genetic resources of fruit crops in Dektur jamoat Baljuvan district. Collection garden will be a sort of bank of genetic resources, which will allow farmers to consolidate and extend the unique species of fruit trees in other areas.
- 80 farmers and agronomists of the project areas during the study tour conducted by NRCGR learned locations of collections of genetic resources, agricultural technologies of care and grafting of fruit crops.
- 15 staff members of the nursery in Hamadoni district learned grafting techniques and selection of varieties, shapes of fruits during the training conducted by the project partner c
- Under the agreement with the Botanical Garden of Kulob conducted field work in the project areas Kulob zone, collected materials of various forms of fruit for production of adapted plants. As well as created ex-situ nursery for growing genetic resources of nut crops (almond and walnut) for

distribution in the project area. In the botanical garden on an area of 2 ha garden created a garden from age-old traditional varieties of fruits (apples).

- Project partner NRCGR under the agreement provided seedlings of fruit crops to improve productivity of gardening for farmers of project sites.
- Developed and placed 3 thematic and study stands and distribution map of local genetic resources in JRC of Dektur are aimed for public awareness about the importance of local genetic resources in the face of climate change.
- A special stand on the achievements and impact of MLF placed in JRC of Dektur increased interest of local farmers and households to microcredit for business. Transferred training materials for JRC Dektur to create local centers of genetic resources in the JCR Dektur.
- Developed and published 11 information training manuals on farming cultivation of local varieties of crops, SGP results, as well as homology modeling of the project areas.
- Develop the concept of strategies for sustainable conservation and use of agricultural biodiversity in the face of climate change.
- Prepared the Concept of awareness strategy on agro-biodiversity and climate change
- During the monitoring by independent experts and meet with local officials and farmers of project jamoats in Kulob zone implemented project activities were highly appreciated.
- Created mother nursery of adapted species of fruit trees (apple, grapes, pomegranates, peaches, almonds, persimmons) on the area of 0.20 ha in the NRTSGR, seven thousand seedlings for distribution in the project area and homologous sites.

Impact on beneficiaries

Beneficiaries of 4 project areas during the workshops and training got practical skills on ABD conservation, adaptation methods and climate change accounting in economic activity, farmers have spread access to farming and locally adapted seed varieties of ABD, which increases productivity and local markets development of.

Acquired by farmers knowledge and skills and best practices facilitate increasing of profits of project households in using and conservation of the local ABD. Through SGP and microcredit farmers of 4 project areas received additional financial support for conservation and use of local genetic resources, local markets development, development of agribusiness and getting benefits.

Farmers and households began to cooperate closely with various foundations, academic and administrative organizations to get adapted and high-yielding varieties of fruits, grains and legumes. Best practice and experience of the project partners improved the skills and experience of farmers and households of the project areas and strengthen the capacity for further development.

80 farmers and agronomists of four project areas got practical skills in agro-technology care about fruit crops, which contributed to improve gardens and improve their productivity. Staff of the nursery in Hamadoni district applies new methods and technologies of grafting and selection of fruits varieties and forms obtained during training.

OUTPUT 3. Market conditions prefer sustainable production of agricultural biodiversity

The main activities of third component were aimed on development of financial mechanisms MLF and SGP, market research in project areas, marketing initiatives and creation of an enabling market conditions for agribusiness in accordance with the strategic plan of the project. A number of activities are made directly with communities in the model areas of the project. In accordance with the targets of the project activities were conducted and appropriate results are obtained.

Activities review

- As part of a new portfolio of SGP received 58 project proposals from 4 project jamoats (Zarafshan, Rasht, Shuroabad, Badzhuvan), 16 projects was approved for further implementation.

- 7 projects for creation of gardens, 8 projects to create microbreweries for the construction of solar dryers and 1 project to create a microbrewery for processing and preserving ABD products in 10 project jamoats.
- Implemented the loan program in Dektur jamoat on development of horticulture, cultivation of grain, entrepreneurship. By loans in Dektur jamoat created 16 hectares of orchards of adapted local fruit genetic resources and 45 hectares of grains and legumes in the amount of 68,358 somoni. The total credit amount was 149,878 somoni.
- Concluded tripartite agreement with UNDP, Rasht Regional Office of UNDP and MLF "Faizi Surkhob." Prepared and implemented a program of microcredit portfolio MLF "Faizi Surkhob" for beneficiaries of Humdon jamoat, Nurobod area for creating and restoring gardens in the amount of 28,560 somoni to conserve agricultural biodiversity and sustainable development of ABD market on the project area.
- Held the consultation with the head of JRC Dektur, MLF "Imdodi Huta" and the head of Garm Regional Office of UNDP. At the consultative meeting with MLF reached agreements to reduce the interest rate of microcredit so that make available microcredits for beneficiaries.
- Participants of the lending activity received advice, recommendations and training to achieve effective results.
- Conducted a workshop for 30 representatives of project jamoats Shuroabad, Dashtijum, Yol, Dektur and Sarikhosor in Kulyab on "Improving lending policies based on MLF experience for ABD market development." Participants were introduced to the main focus of the project on ABD market development, microcredit policy, experience of MLF "Imdodi Huta" in Dektur jamoat, conducted a survey of participants on issues of access to micro-credit for the development of economic activities as well.
- Prepared one model project to create microbrewery on drying, processing and packaging of local ABD products.
- Held the meeting with international consultant CO on issues of agro tourism and market development.
- Conducted the workshop and consultation with the "Sugdagrosv" on organic production development, strengthen of advisory centers for farmers, micro-credit and support farmers on ABD product sales as well as delivery of seeds and use of bio-fertilizers.
- As a result of activities under the third component prepared and published 9 materials, containing information on market development, monitoring of value chain, strategy SGP development, practical measures on development of local ABD product processing etc.
- Prepared publications: "Strategy of market development", "Strategy of the SGP", "Analysis of the value chain", that provide community the opportunities to create sustainable connection between farmers and market, which in turn ensures the sustainable development of business and income for rural people who are involved in processing of agricultural products and their sale. Such materials offer a more strategic approach to management, aimed for getting results, through improvement of programming process, planning, implementation, monitoring and evaluation. As well as published information on microcredit, contributing to capacity building of communities and conservation of local ABD.
- Transferred solar dryers of 2 types to ten project jamoats to increase the volume and quality of drying and storage of the ABD products, for further promotion/ introduction of local products to the market and agribusiness development of project areas.
- Produced one brochure as an educational module on the "Method of drying and storage of ABD products from project areas" for conducting seminars and trainings in the project areas. The brochure contains information on traditional methods of fruit crops drying, as well as use of the new modern methods of solar drying and processing of ABD.
- At the Republican agricultural meeting in Dangara district of Khatlon region, presented processed agro products (mulberry products) prepared under the project.

Achieved results:

- As part of the SGP on the area of 14 hectares created 7 ex-situ and in-situ collection mother gardens, containing of 7050 seedlings of 8 kinds of valuable local varieties of fruit (apple, pear, plum,

plum, mulberry, walnut, pomegranate) in 3 project areas. 8 projects are aimed on creation of microbreweries for the construction of solar dryers in 6 jamoats and one project to create a microbrewery for processing and preserving ABD products in Zarafshan project area.

- Local authorities of model jamoats actively participate and support the activities and initiatives of the project for the development of agribusiness.
- In collaboration with the MLF "Imdodi Huta" credit program is implemented in Dektur jamoat on gardening development, cultivation of grain, entrepreneurship. By loans created 16 hectares of orchards of adapted local genetic resources of fruit and 45 hectares of grains and legumes in Dektur jamoat in the amount of 68,358 somoni. The total credit amount was 149,878 somoni.
- Participants of the loan program got advice and training to achieve effective results.
- 50 farmers of project jamoats Dektur, Dashtijum, Yol and Sarikhosor were trained on preparing a business plan and getting micro-credit based on the experience of MLF for ABD market development.
- Concluded a tripartite agreement with UNDP, Regional office of UNDP in Rasht and MLF "Faizi Surkhob" and the program of loan portfolio expansion of MLF "Faizi Surkhob" for provision of microcredit to beneficiaries of Rasht district to agrobiodiversity conservation and sustainable development of ABD market on the project area. Reached an agreement to reduce the interest rate for availability of microcredit to beneficiaries.
- 12 farmers of Humdon jamoat, Nurobod district got microcredit for restoration and creation of gardens of local genetic resources of fruit crops on an area of 2 hectares.
- The model project on creation of a microbrewery on drying, processing and packaging of ABD local products provided a basis for the submission of project proposals for the SGP. 150 farmers and households in 10 jamoats of 4 project areas are trained to prepare project proposals and presentation of financial reports for the SGP.
- Conducted working meetings with the international consultant for the midterm evaluation of the project on development of agro-tourism and farmers market with 2 project areas.
- Conducted workshops and consultations with the "Sugdagroserv" enabled to create a platform for further cooperation in development of organic agriculture, strengthening consulting centers for farmers, micro-credit and support of farmers in the implementation of ABD's products as well as delivery of seeds and application of bio-fertilizers.
- As a result of activities under the third component prepared and published 9 materials, containing information on market development, monitoring of value chain, strategy SGP development, practical measures on development of local ABD product processing etc.
- Prepared publications: "Strategy of market development", "Strategy of the SGP", "Analysis of the value chain", that provide community the opportunities to create sustainable connection between farmers and market, which in turn ensures the sustainable development of business and income for rural people who are involved in processing of agricultural products and their sale. Such materials offer a more strategic approach to management, aimed for getting results, through improvement of programming process, planning, implementation, monitoring and evaluation. As well as published information on microcredit, contributing to capacity building of communities and conservation of local ABD.
- Provided 20 solar dryers for ten project jamoats for agrobussiness development by increasing the volume and quality of drying and storage ABD products to promote/implement ABD local products on the market.
- Prepared brochure as a training module on the "Methods of drying and storage of the ABD products" is used on 10 seminars and workshops in 4 project areas. The brochure contains information on traditional methods of drying of fruit crops, application of new modern methods of solar drying of ABD products. 150 women in 10 target jamoats of the project (90 from Kulob, 30 from Rasht and 30 from Zeravshan) are trained on methods of drying and processing of agro products for long-term storage.
- Farmers who provided certified and labeled seedlings of genetic resources at the fair, made a profit by 80% higher compared to last year.
- Processed and certified agrobiodiversity products presented at the Republican agricultural meeting in Dangara district of Khatlon region were highly evaluated. It was proposed to increase the production of processed products and expand the market.
- More than 30 representatives of JRCs and the UNDP Communities Programme participated in project activities, including, as responsible persons and organizers. 980 people took part in seminars on agricultural biodiversity, adaptation to the climate change and market development in four project areas (Kulyab, Rasht, Zarafshan) and got informational materials.

Impact on beneficiaries

Direct impact on the beneficiaries during conducted events was significant. 980 farmers participated in seminars, trainings, study-tour acquired theoretical and practical skills in the processing and storage of ABD products, using of solar dryers, business analysis, support and implementation of the SGP.

200 farmers and households learnt about the rules and procedures of the Small Grants Program and submitted 58 project proposals. Within the seven funded projects were created 14 hectares of gardens of local genetic resources of fruit crops, 8 projects to build solar dryer microbreweries and one microbrewery for processing and preservation of ABD products. These results will help to conserve local genetic resources of fruit crops and improve the socio-economic status of farmers and households, by obtaining high quality products, long-term conservation and expansion of ABD sales markets.

150 women of the project areas have received knowledge on processing, new methods of products ABD preservation and storage.

IV. Difficulties with the implementation

During the reporting period, the main problems of the project were related to the lack of qualified professionals (consultants, national experts), delayed reporting by some consultants and partners.

The Mid-term evaluation of the project lasted more than five months, as a result the implementation of some planned activities of the project were carried out with a delay.

V. Lessons learnt and next steps

- Workshops, training and study-tours for farmers are highly effective for sustainable measures to conservation the local agricultural biodiversity and capacity building for the market development. All public events were accompanied by surveys, which gave an opportunity to assess the results of the impact on beneficiaries and to make proposals to the work plan for the next period.
- Cooperation with the regional offices of UNDP Communities Programme was effective, and will later develop in the direction of work with information and consulting centers and implement a package of advisory services in local communities.
- Sustainability of the new JRC of Dektur jamoat are strengthening with support of the local administration and active work of the project, including micro-credit programs.
- Public Garden created with the support of the working capital of the MLF local species of fruit serves as the local gene pool for the community of Dektur jamoat on sustainable conservation of local agro-biodiversity in the face of climate change. Advisories, stands and a map on local genetic resources of the jamoat, stands on the activities of the MLF in Dektur jamoat placed in the building JRS to inform the public.
- Programs of cooperation with partners have been implemented. Further collaboration with partners will be on practical measures and databases, including the use of homology modeling, descriptions of local genetic resources and creation of mother gardens of local forms and varieties.
- Program of access expansion to financial mechanisms for sustainable ADB in the face of climate change on the basis of previous monitoring will be repeated in the project areas through the SGP and MLF ..
- Genetic resources of local agro-biodiversity also remain in the program work plan, including a national conference and seminars in the project areas.
- The results and achievements of the project were presented at the international and regional seminars in Moldova, Turkey, Georgia, at the Conference of the Parties to the CBD biodiversity in Hyderabad (India) which provided products and materials are highly appreciated by the participants.

Recommendations

- Involvement in all kinds of cooperation of new and effective partners - State Standard, NGOs, subordinate institutions of the Academy of Sciences RT, the Agency for Land Management, Geodesy and Cartography and their local units, Statistical Agencies, JRC, etc. Development of a Strategy of awareness, adaptation and the Concept of homology modeling using.

- Increase the number of training sessions for the local population and to raise awareness of local stakeholders on the goals and objectives of the project, experience dissemination to other project sites. For fairness of the application of methods of ADB adaptation to the climate change hold study-tours for farmers.
- Regularly conduct consultation with the local administration and prepare informational stands on agrobiodiversity for model jamoats.
- Initiate the development of agri-business in the project area through the SGP, MLF and promote best practices in project areas.

VI. Financial status and utilization

Financial status

Table 1: Contribution overview [August 2009 – August 2014]

DONORNAME	CONTRIBUTIONS		CONTRIBUTION BALANCE
	Committed	Received	
UNDP	500,000	301,952	198,048
GEF	1,900,000	1,064,389	835,611
TOTAL	2,400,000	1,366,342	1,033,658

Table 2: Funding status (as of the end of 2012)

DONORNAME	RECEIVED*	EXPENDITURES			PROJECT BALANCE	EARMARKED**	AVAILABLE FUNDING (as of 1 Jan of the next year)	REMARKS
		Period Prior to the Reporting Year	Reporting Year Only	TOTAL				
UNDP	301,952	205,641	96,311	301,952	-		198,048	
GEF	1,064,389	574,387	490,003	1,064,389	-		835,611	
TOTAL	1,366,342	780,027	586,314	1,366,342	-	-	1,033,658	

Financial utilization

Table 4: Annual expenditure by donor [1 January – 31 December]

DONORS	ACTIVITY (as in ATLAS)	BUDGET [year]	EXPENDITURES*	BALANCE	DELIVERY RATE (%)	REMARKS*
UNDP	Activity 1: National policy and local development	11,100	7,244	3,856	96%	
	Activity 2: Farmers' capacity building	21,600	10,319	11,281		
	Activity 3: Enabling environment for market development	28,720	7,652	21,068		
	Activity 4: Project management	39,080	71,096	-32,016		
GMS						
Subtotal UNDP		100,500	96,311	4,189		
GEF	Activity 1: National policy and local development	15,500	15,214	286	89%	
	Activity 2: Farmers' capacity building	233,500	243,834	-10,334		
	Activity 3: Enabling environment for market development	228,200	191,337	36,863		
	Activity 4: Project management	73,500	39,617	33,883		
GMS						
Subtotal GEF		550,700	490,003	60,697		
TOTAL		651,200	586,314	64,886	90%	

Annex 1. Annual Work Plan 2012

Award ID: 57096; GEFSEC Project ID:
00070411

Title: PIMS 3647 Sustaining Agrobiodiversity in the face of Climate Change in Tajikistan

ANNUAL WORK PLAN

Duration: January-December 2012

Duration: January-December 2012

EXPECTED OUTPUTS and baseline, associated indicators and annual targets	PLANNED ACTIVITIES List activity results and associated actions	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount
BASELINE: - Enabling environment at national and local level is not conducive for agrobiodiversity conservation and its potential role for climate adaptation and future food security - Lack of climate and crop models prohibit strategic planning and adaptive capacity development in face of climate change and threats to food security INDICATORS: 1.1. Regulatory framework at the national and local level promotes: (i) conservation of agrobiodiversity within current production systems and the adaptive capacity to cope with climate change; (ii) implementation of in-situ and ex-situ conservation measures 1.2. Institutional framework in place at the national and local level facilitates implementation of ABD relevant policies, legislation and regulation in 4 pilot areas TARGETS: 1.1. Consultative package on sustainable ABD in the face of CC and market development available for development of sustainable policy on conservation of local ABD on adaptation to CC and agroenterprise development 1.2. Local administration of target jamoats have cooperation plans and implement joint programmes on sustainable conservation of ABD in the face of CC RELATED CP OUTCOME: - CP Outcome 3 and 6	OUTCOME (ACTIVITY) 1: AGROBIODIVERSITY CONSERVATION AND ADAPTATION TO CLIMATE CHANGE THROUGH SUPPORTIVE POLICY, REGULATORY AND INSTITUTIONAL FRAMEWORKS								
	1.1: Agro-biodiversity conservation and adaptation principles are mainstreamed into local and national agricultural, trade and industry policies and programmes	NBBC	62000 - GEF	71200 - International Consultants	-				
				71300 - Local Consultants	3 000,00				
	1.1.1. Development of content of sector analysis on ABD in-situ and ex-situ conservation policy state			71600 - Travel	-				
				72100 - Contractual Services	-				
				74500 - Miscellaneous	70,00				
	1.1.2. Conduction of at least one consultative workshop at Dushanbe on existing agricultural adaptation measures (fruits and cereals at mountainous areas)						Sub-total GEF:		3 070,00
	1.1.3. Development of information materials (posters, photo albums, etc.) on valuable varieties of ABD genetic resources and dissemination to Khukumats of project sites		04000 - UNDP	71400 - Contract. Services-indiv.	700,00				
				72100 - Contractual Services	375,00				
				72500 - Office Supplies	200,00				
				74500 - Miscellaneous	125,00				
				Sub-total UNDP:		1 400,00			
			Total for Output 1.1.		4 470,00				
	1.2: Extension package for promoting climate resilient farmer varieties developed and integrated into the national extension service package and delivery system	NBBC	62000 - GEF	71200 - International Consultants	-				
				71300 - Local Consultants	2 000,00				
	1.2.1. Preparation and certification of cooperation plans with jamoat resource centers at project sites			71600 - Travel	-				
				72100 - Contractual Services	-				
				74500 - Miscellaneous	70,00				
	1.2.2. Preparation and publication of brochure on the results of international consultants work on modeling for use at workshops and trainings and dissemination at target jamoats		Sub-total GEF:		2 070,00				
			04000 - UNDP	71400 - Contract. Services-indiv.	700,00				
	1.2.3. Preparation of concept of the book "Local varieties of genetic resources" on project sites			72100 - Contractual Services	375,00				
				72500 - Office Supplies	200,00				

								74500 - Miscellaneous	125,00	
								Sub-total UNDP:	1 400,00	
								Total for Output 1.2.	3 470,00	
	1.3: Capacity and accountability of local government to enforce policies, sectoral guidelines and spatial plans in support of agro-biodiversity conservation and adaptation to climate change increased in 4 pilot areas						NBBC	62000 - GEF	71200 - International Consultants	-
									71300 - Local Consultants	3 000,00
	1.3.1. Preparation of short and mid-term cooperation plans with target jamoats on the basis of consultations with local jamoats and JRCs								71600 - Travel	-
									72100 - Contractual Services	-
									74500 - Miscellaneous	70,00
	1.3.2. Conduction of at least 4 trainings on ABD products processing methods for long-term storage for female population of project sites							Sub-total GEF:		3 070,00
						04000 - UNDP		71400 - Contract. Services-indiv.	700,00	
								72100 - Contractual Services	375,00	
								72500 - Office Supplies	100,00	
								74500 - Miscellaneous	125,00	
						Sub-total UNDP:		1 300,00		
						Total for Output 1.3.		4 370,00		
EXPECTED OUTPUTS and baseline, associated indicators and annual targets	PLANNED ACTIVITIESList activity results and associated actions	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET			
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount	
	1.4: CSOs and local government in pilot areas have skills to actively support communities to integrate ABD conservation into farming systems, build adaptive capacity, and link such production to private sector markets						NBBC	62000 - GEF	71200 - International Consultants	-
									71300 - Local Consultants	2 000,00
	1.4.1. Conduction of at least 4 working meetings in cooperation with local JRCs at project sites with successful farmers – producers and processors for the study of the best practice mechanisms of conservation and development of marketing and experience sharing on creation of integrated capacity at project sites								71600 - Travel	-
									72100 - Contractual Services	-
									74500 - Miscellaneous	70,00
								Sub-total GEF:		2 070,00
								04000 - UNDP	71400 - Contract. Services-indiv.	700,00
									72100 - Contractual Services	375,00
									72500 - Office Supplies	200,00
									74500 - Miscellaneous	125,00
								Sub-total UNDP:		1 400,00
								Total for Output 1.4.		3 470,00
1.5: Capacity building programme implemented to ensure institutions charged with responsibility for managing the ex and in-situ gene banks are effective						NBBC	62000 - GEF	71200 - International Consultants	-	
1.5.1. Replenishment of national project partners' collections with adapted ABD genetic								71300 - Local Consultants	2 000,00	
								71600 - Travel	-	

	resources of project sites								72100 - Contractual Services	-
									74500 - Miscellaneous	70,00
									Sub-total GEF: 2 070,00	
								04000 - UNDP	71400 - Contract. Services-indiv.	700,00
									72100 - Contractual Services	375,00
									72500 - Office Supplies	200,00
									74500 - Miscellaneous	125,00
									Sub-total UNDP: 1 400,00	
									Total for Output 1.5. 3 470,00	
	1.6: ABD policies applied in four pilot areas and adopted in a minimum of 40 home gardens/farms supporting implementation						NBBC		71200 - International Consultants	-
	1.6.1. Conduction of at least 4 workshops at project sites on food security measures							62000 - GEF	71300 - Local Consultants	1 000,00
	1.6.2. Development of modules and conduction of at least 4 trainings for farmers with small agro-enterprises on methodologies of conduction of economic activity analysis for subsequent development and planning of agro-enterprises								71600 - Travel	-
								72100 - Contractual Services	-	
								74500 - Miscellaneous	50,00	
								Sub-total GEF: 1 050,00		
								04000 - UNDP	71400 - Contract. Services-indiv.	700,00
									72100 - Contractual Services	375,00
									72500 - Office Supplies	200,00
									74500 - Miscellaneous	125,00
									Sub-total UNDP: 1 400,00	
									Total for Output 1.6. 2 450,00	

EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount
	1.7: Local level producer societies for specific crops (such as fig, pistachio, walnut, pomegranate, apricot, almond, mulberry) promoted as a mechanism of incentives for adoption (linking farmers to markets, and credit)					NBBC	62000 - GEF	71200 - International Consultants	-
	1.7.1. Preparation of statistic reports on productivity of local ABD in cooperation with UNDP CP							71300 - Local Consultants	1 000,00
	1.7.2. Preparation and publication of report on successful financial mechanisms on supporting sustainable ABD in the face of CC at project sites							71600 - Travel	-
								72100 - Contractual Services	-
								74500 - Miscellaneous	50,00
								Sub-total GEF: 1 050,00	
	1.7.3. Conduction of at least one consultative meeting with international organizations, projects and NGOs to learn the experience of similar works and initiatives on agro-enterprises and preparation of cooperation programme for exchange and improvement of experience						04000 - UNDP	71400 - Contract. Services-indiv.	700,00
								72100 - Contractual Services	375,00
								72500 - Office Supplies	200,00
							74500 - Miscellaneous	125,00	

									<i>Sub-total UNDP:</i>	1 400,00
									Total for Output 1.7.	2 450,00
1.8: Development of long-term strategy for conservation and sustainable use of ABD and adaptation to climate change						NBBC	62000 - GEF	71200 - International Consultants	-	
1.8.1. Preparation and discussion of detailed concept of the Strategy of ABD in the face of CC								71300 - Local Consultants	1 000,00	
								71600 - Travel	-	
1.8.2. Preparation of information sections of Strategy of ABD in the face of CC								72100 - Contractual Services	-	
								74500 - Miscellaneous	50,00	
1.8.3. Conduction of at least one national workshop on discussion of draft Strategy of ABD in the face of CC							<i>Sub-total GEF:</i>		1 050,00	
							04000 - UNDP	71400 - Contract. Services-indiv.	700,00	
								72100 - Contractual Services	375,00	
								72500 - Office Supplies	200,00	
								74500 - Miscellaneous	125,00	
							<i>Sub-total UNDP:</i>		1 400,00	
							Total for Output 1.8.		2 450,00	

RESPONSIBLE PARTY	PLANNED BUDGET		
	Funding Source	Budget Description	Amount
NBBC	62000 - GEF	71200 - International Consultants	-
		71300 - Local Consultants	15 000,00
		71600 - Travel	-
		72100 - Contractual Services	-
		74500 - Miscellaneous	500,00
	Sub-total GEF for Outcome 1:		15 500,00
	04000 - UNDP	71400 - Contract. Services-indiv.	5 600,00
		72100 - Contractual Services	3 000,00
		72500 - Office Supplies	1 500,00
		74500 - Miscellaneous	1 000,00
		Sub-total UNDP for Outcome 1:	
	TOTAL FOR OUTCOME 1:		26 600,00

EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount
BASELINE:	OUTCOME (ACTIVITY) 2: IMPROVED CAPACITY FOR SUSTAINING AGROBIODIVERSITY IN THE FACE OF CLIMATE CHANGE								

<p>- Local communities are not aware of implications of climate change and are not working towards the development of adaptive strategies and capacities</p> <p>- Lack of socio-ecological resilience to climate variability and shocks</p> <p>- Negligible national and local capacity to cope with climate risks and variability</p> <p>- No existing community-to-community seed and germplasm exchange programmes based on climate change impacts</p> <p>INDICATORS:</p> <p>2.1. Improved capacity for ex-situ conservation measures of globally significant and climate resilient agrobiodiversity</p> <p>2.2. Improved capacity of farmers in four project areas to design and implement in-situ agrobiodiversity conservation measures as an adaptive capacity to climate risks and variability</p> <p>2.3. Farming communities have skills, knowledge and tools to implement homologue approach implemented in 4 project so as to enable the adaptation of their current production practices to current and future climate risks and variability</p> <p>TARGETS:</p> <p>2.1. Homologue approach methodology on climate change and local germplasm productivity assessment of cereals applied at project sites and demonstrated to project partners</p> <p>2.2. Local genetic resources of fruit wild relatives and cereals database available to project partners and strengthens national institutional base on sustainable conservation of local ABD</p> <p>2.3. National resources of local fruit in-situ germplazms replenished at farmers households, that trained adaptation methods and income increasing measures</p>	2.1: Farmers/communities in the 4 pilot areas provided with skills and knowledge to increase farm productivity (and food security) using climate resilient agro-biodiversity friendly practices					NBBC	62000 - GEF	71200 - International Consultants	-			
								71300 - Local Consultants	4 000,00			
	2.1.1. Preparation and dissemination of information materials on traditional methods of valuable ABD conservation practices at project sites									71600 - Travel	1 750,00	
	2.1.2. Conduction of at least 4 workshops at project sites on assessment of used technologies of traditional conservation of local ABD, and study of proposals on use of other technologies and measures on sustainable ABD in the face of CC									72100 - Contractual Services	16 000,00	
										72600 - Grants	-	
										74500 - Miscellaneous	60,00	
	2.1.3. Conduction of at least 4 trainings for farmers and local households from project sites on methods of increasing of cereals and legumes productivity									Sub-total GEF: 21 810,00		
	2.1.4. Development of guide on improvement of agrotechnology of cultivation of cereals and legumes on project sites									04000 - UNDP	71400 - Contract. Services-indiv.	700,00
											72100 - Contractual Services	1 700,00
											72500 - Office Supplies	200,00
							74500 - Miscellaneous	185,00				
							Sub-total UNDP: 2 785,00					
							Total for Output 2.1. 24 595,00					
2.2: Community-based participatory methods (building on traditional knowledge) developed and implemented for ex situ conservation especially of recalcitrant materials (seed that cannot be stored ex situ)					NBBC	62000 - GEF	71200 - International Consultants	-				
							71300 - Local Consultants	4 000,00				
2.2.1. Selection and preparation of definition for one site from project sites for laying a mother garden									71600 - Travel	1 750,00		
									72100 - Contractual Services	11 000,00		
2.2.2. Preparation, planting of at least 500 seedlings of fruit form and cultures of agrobiodiversity									72600 - Grants	-		
									74500 - Miscellaneous	60,00		
									Sub-total GEF: 16 810,00			
2.2.3. Organization of monitoring and preparation of a report on organized mother garden of fruit forms and cultures of ABD									04000 - UNDP	71400 - Contract. Services-indiv.	700,00	
										72100 - Contractual Services	1 700,00	
										72500 - Office Supplies	200,00	
							74500 - Miscellaneous	185,00				
							Sub-total UNDP: 2 785,00					
							Total for Output 2.2. 19 595,00					
2.3: Tajik ABD germplasm made available to national, regional and global crop improvement programmes					NBBC	62000 - GEF	71200 - International Consultants	-				
							71300 - Local Consultants	4 000,00				
2.3.1. Organization of at least 1 study-tour to places with collection materials, in cooperation with NRCGR and other project partners									71600 - Travel	1 750,00		
2.3.2. Preparation of catalogue and photo-album on collection materials of project sites									72100 - Contractual Services	9 000,00		
									72600 - Grants	-		
									74500 - Miscellaneous	70,00		
									Sub-total GEF: 14 820,00			
									04000 -	71400 - Contract. Services-indiv.	700,00	
RELATED CP OUTCOME: - CP Outcome 1, 3 and 6												

							UNDP	72100 - Contractual Services	1 400,00
								72500 - Office Supplies	200,00
								74500 - Miscellaneous	195,00
								<i>Sub-total UNDP:</i>	<i>2 495,00</i>
								Total for Output 2.3.	17 315,00
EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount
	2.4: In-situ gene banks established in 40 home gardens/farms in 4 pilot sites, including collection, geo-referencing, identification, characterization, and/or germplasm-banking of prioritized ABD (largely fruit and nuts)					NBBC	62000 - GEF	71200 - International Consultants	-
	2.4.1. Implementation of new SGP for 2012							71300 - Local Consultants	4 000,00
	2.4.2. Development of public garden and live collection of valuable agrobiodiversity at Baljuan district							71600 - Travel	1 750,00
	2.4.3. Dissemination of seedlings to farmers in cooperation with NRCGR for improvement of productivity of gardens, cereals, etc on a basis of regeneration of ancient seed varieties and forms at various climatic conditions							72100 - Contractual Services	15 000,00
	2.4.4. Selective collection of materials for replenishment of in-situ collection of project sites							72600 - Grants	80 000,00
	2.4.5. Preparation of exposition for public genetic resource section at JRC Dektur							74500 - Miscellaneous	60,00
	2.4.6. Conduction of one conference on local genetic resources at Baljuavn district							<i>Sub-total GEF:</i>	<i>100 810,00</i>
							04000 - UNDP	71400 - Contract. Services-indiv.	700,00
								72100 - Contractual Services	2 000,00
								72500 - Office Supplies	200,00
								74500 - Miscellaneous	185,00
								<i>Sub-total UNDP:</i>	<i>3 085,00</i>
								Total for Output 2.4.	103 895,00
	2.5: Climate change modeling and crop modeling in order to deliberately select appropriate homologue sites that represent present and future conditions					NBBC	62000 - GEF	71200 - International Consultants	16 000,00
	2.5.1. Preparation of homologue modeling of project sites and preparation of suggestions for germplasm exchange							71300 - Local Consultants	4 000,00
	2.5.2. Conduction of one workshop with project partners and stakeholders on homologue approach							71600 - Travel	1 750,00
	2.5.3. Conduction of one scientific workshop and demonstration of homologue approach effectiveness as innovative methods of researches and practices							72100 - Contractual Services	14 000,00
								72600 - Grants	-
								74500 - Miscellaneous	60,00
								<i>Sub-total GEF:</i>	<i>35 810,00</i>
							04000 - UNDP	71400 - Contract. Services-indiv.	700,00
								72100 - Contractual Services	1 700,00
								72500 - Office Supplies	200,00
								74500 - Miscellaneous	185,00

							Sub-total UNDP:		2 785,00	
							Total for Output 2.5.		38 595,00	
	2.6: Sustainable management strategies for the 4 project areas and areas certified as sources of climate resilient wild crop relatives						NBBC	62000 - GEF	71200 - International Consultants	-
									71300 - Local Consultants	4 000,00
									71600 - Travel	1 750,00
									72100 - Contractual Services	11 000,00
									72600 - Grants	-
								74500 - Miscellaneous	60,00	
								Sub-total GEF:		16 810,00
								04000 - UNDP	71400 - Contract. Services-indiv.	700,00
									72100 - Contractual Services	1 500,00
									72500 - Office Supplies	200,00
							74500 - Miscellaneous		185,00	
							Sub-total UNDP:		2 585,00	
						Total for Output 2.6.		19 395,00		
EXPECTED OUTPUTS and baseline, associated indicators and annual targets	PLANNED ACTIVITIESList activity results and associated actions	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET			
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount	
	2.7: A network of databases established on materials maintained in situ and ex situ					NBBC	62000 - GEF	71200 - International Consultants	-	
	2.7.1. Development of structure of national database of local ABD in cooperation with NRCGR							71300 - Local Consultants	4 000,00	
								71600 - Travel	1 750,00	
	2.7.2. Development of e-version of database on genetic resources and local varieties of ABD ex-situ and in-situ							72100 - Contractual Services	7 000,00	
								72600 - Grants	-	
	2.7.3. Preparation of thematic materials on homologue approach for 4 project sites						74500 - Miscellaneous	60,00		
							Sub-total GEF:		12 810,00	
							04000 - UNDP	71400 - Contract. Services-indiv.	700,00	
								72100 - Contractual Services	1 500,00	
								72500 - Office Supplies	100,00	
						74500 - Miscellaneous		185,00		
						Sub-total UNDP:		2 485,00		
						Total for Output 2.7.		15 295,00		
2.8: Awareness campaigns (partnership with JRCs and GEF SGP) address conservation of ABD and build adaptive capacity to climate change						NBBC	62000 - GEF	71200 - International Consultants	-	
								71300 - Local Consultants	4 000,00	

2.8.1. Development of ABD and CC awareness strategy concept at project sites						71600 - Travel	1 750,00
2.8.2. Conduction of at least 3 public initiatives devoted to International day of Biodiversity (photo-exhibition, initiatives with students, youth contests, contests for mass-media, etc.)						72100 - Contractual Services	8 000,00
						72600 - Grants	-
2.8.3. Conduction of on working meeting on identification of best practice of SGP/GEF and organization of one demo tour for farmers of project sites for familiarization with these practices						74500 - Miscellaneous	70,00
						Sub-total GEF: 13 820,00	
						04000 - UNDP	71400 - Contract. Services-indiv. 700,00
							72100 - Contractual Services 1 500,00
							72500 - Office Supplies 200,00
							74500 - Miscellaneous 195,00
						Sub-total UNDP: 2 595,00	
						Total for Output 2.8. 16 415,00	

RESPONSIBLE PARTY	PLANNED BUDGET		
	Funding Source	Budget Description	Amount
NBBC	62000 - GEF	71200 - International Consultants	16 000,00
		71300 - Local Consultants	32 000,00
		71600 - Travel	14 000,00
		72100 - Contractual Services	91 000,00
		72600 - Grants	80 000,00
		74500 - Miscellaneous	500,00
	Sub-total GEF for Outcome 2:		233 500,00
	04000 - UNDP	71400 - Contract. Services-indiv.	5 600,00
		72100 - Contractual Services	13 000,00
		72500 - Office Supplies	1 500,00
		74500 - Miscellaneous	1 500,00
	Sub-total UNDP for Outcome 2:		21 600,00
	TOTAL FOR OUTCOME 2:		255 100,00

EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET			
		Q1	Q2	Q3	Q4		<i>Funding Source</i>	<i>Budget Description</i>	<i>Amount</i>	
BASELINE - Agro-enterprises are small-scale, localized and seasonal, with negligible access to international or national markets and business opportunities - Non-existent and/or unorganized marketing of local ABD goods to national and international	OUTCOME (ACITIVITY) 3: ENABLING ENVIRONMENT FOR MARKET DEVELOPMENT FOR AGROBIODIVERSITY PRODUCTAS DEVELOPED									
	3.1: Capacity building programme to ensure institutions charged with responsibility for supporting development of agro-biodiversity based agro-enterprises are effective					NBBC	62000 - GEF	71200 - International Consultants	-	
								71300 - Local Consultants	2 250,00	
	3.1.1. Conduction of one workshops wit national project partners and stakeholders on							71600 - Travel	3 000.00	

<p>markets</p> <p>INDICATORS: 3.1. ABD friendly agro-enterprises generate sustainable income which would be at least 20% more than the current baseline, by 2014 3.2. Value chains of ABD-friendly products in domestic market; and favourable conditions are existent for access to overseas markets</p> <p>TARGETS: 3.1. Developed local agroenterprises with support of SGP, MLF and project consultative programmes earn benefits on a basis of local ABD adapted to CC 3.2. Development of value chain proposals for income increase of local ABD and widening of access to local ABD product certification</p> <p>RELATED CP OUTCOME: - CP outcome 1 and 3</p>	economic principles of sustainable market development at project sites							72100 - Contractual Services	7 500,00
	3.1.2. Development of model project on preparation of mini-enterprise on drying, process and packaging of local ABD products							72600 - Grants	-
	3.1.3. Preparation of public mother garden at jamoat Dektur with support of MLF "Imdodi Khutal" for conservation of valuable collections of genetic resources							74500 - Miscellaneous	30,00
	3.1.4. Dissemination of local forms and varieties of fruits for strengthening of project sites local markets capacity							Sub-total GEF:	12 780,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	-
								72100 - Contractual Services	2 000,00
								72500 - Office Supplies	150,00
								74500 - Miscellaneous	200,00
								Sub-total UNDP:	3 150,00
								Total for Output 3.1.	15 930,00
	3.2: Identification, differentiation and marketing programs for certified products from 4 pilot areas and non-certified ABD climate resilient products grown, developed and implemented through a supply chain approach								
	3.2.1. Conduction of interview/questioning among target groups of project sites for development of measures on strengthening of value chain						62000 - GEF	71200 - International Consultants	-
	3.2.2. Processing of interview results and preparation of a report on planning of the impact measures on strengthening of value chains at project sites							71300 - Local Consultants	2 250,00
	3.2.3. Development of recommendations on agribusiness structure at project sites							71600 - Travel	3 000,00
								72100 - Contractual Services	7 500,00
								72600 - Grants	-
								74500 - Miscellaneous	25,00
								Sub-total GEF:	12 775,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	-
								72100 - Contractual Services	2 000,00
								72500 - Office Supplies	150,00
								74500 - Miscellaneous	200,00
								Sub-total UNDP:	3 150,00
								Total for Output 3.2.	15 925,00
	3.3: International marketing campaign (trade fairs, online) to establish Tajikistan as an international source of ABD-friendly climate resilient products for consumers concerned about the point of origin, sustainability and genetic heritage (i.e. the importance of crop wild relatives in the face of climate change) of food								
	3.3.1. Preparation of products and participation at least at 1 trade fairs of local community (local and national trade fairs) of project sites						62000 - GEF	71200 - International Consultants	12 000,00
	3.3.2. Dissemination of 20 sun-power dryers of ABD products at project sites for forwarding/implementation of local ABD products at market							71300 - Local Consultants	2 250,00
	3.3.3. Conduction of at least 4 PR activities on marketing and experience sharing at project sites							71600 - Travel	2 900,00
								72100 - Contractual Services	6 500,00
								72600 - Grants	-
								74500 - Miscellaneous	25,00
								Sub-total GEF:	23 675,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	-

	3.3.4. Preparation of project information materials for exhibition and presentation at CBD COP							72100 - Contractual Services	2 000,00
								72500 - Office Supplies	200,00
								74500 - Miscellaneous	250,00
								Sub-total UNDP:	3 250,00
								Total for Output 3.3.	26 925,00
EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount
	3.4: Crop certification established for products increasing farmer's ability to sell products and services at a premium, verified and monitored by Protocol to verify and monitor compliance of certification					NBBC	62000 - GEF	71200 - International Consultants	-
								71300 - Local Consultants	2 250,00
	3.4.1. Conduction of one workshop with specialized agencies of international standardization on evaluation of ABD capacity of international ISO standards							71600 - Travel	2 900,00
	3.4.2. Preparation of guides for farmers on certification of ABD products							72100 - Contractual Services	5 500,00
								72600 - Grants	-
	3.4.3. Certification of at least one batch of seedlings of local fruits and agrobiodiversity products							74500 - Miscellaneous	30,00
	3.4.4. Development of project sites statistical information database for accounting of ABD adapted to CC							Sub-total GEF:	10 680,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	300,00
								72100 - Contractual Services	1 000,00
								72500 - Office Supplies	200,00
								74500 - Miscellaneous	250,00
								Sub-total UNDP:	2 550,00
								Total for Output 3.4.	13 230,00
	3.5: Seed grants (through partnership with GEF Small Grants Programme) support development of agro-biodiversity based agro-enterprises at each site					NBBC	62000 - GEF	71200 - International Consultants	-
								71300 - Local Consultants	1 850,00
	3.5.1. Conduction of at least 10 trainings and consultative meetings in cooperation with local JRCs for farmers on support and implementation of SGP at project sites							71600 - Travel	2 700,00
	3.5.2. Implementation of new SGP on development of local ABD product market							72100 - Contractual Services	8 500,00
								72600 - Grants	130 000,00
	3.5.3. Conduction of monitoring and preparation of a report on implementation of SGP and MLF at project sites							74500 - Miscellaneous	30,00
								Sub-total GEF:	143 080,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	200,00
								72100 - Contractual Services	1 000,00
					72500 - Office Supplies	150,00			
						74500 - Miscellaneous	200,00		

								<i>Sub-total UNDP:</i>	2 350,00
								Total for Output 3.5.	145 430,00
3.6: Increased funding available for start-up initiatives and SMEs, provided by existing MFIs (supported by JRCs/UNDP Communities Programme) to ABD agro-enterprises						NBBC	62000 - GEF	71200 - International Consultants	-
								71300 - Local Consultants	1 850,00
3.6.1. Conduction of monitoring and preparation of a report on credit initiatives of MLF "Imdodi Khutal"								71600 - Travel	2 600,00
								72100 - Contractual Services	7 500,00
3.6.2. Conduction of at least 3 workshops at project sites on improvement of credit policy on development of ABD market								72600 - Grants	-
							74500 - Miscellaneous	30,00	
3.6.3. Widening of micro-credit portfolio for one project site in the basis of received recommendations on development of ABD market							<i>Sub-total GEF:</i>		11 980,00
3.6.4. Development of model project on preparation of mini-enterprise for drying and canning of ABD products							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	-
								72100 - Contractual Services	10 000,00
								72500 - Office Supplies	150,00
								74500 - Miscellaneous	200,00
							<i>Sub-total UNDP:</i>		11 150,00
							Total for Output 3.6.		23 130,00
EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET		
		Q1	Q2	Q3	Q4		<i>Funding Source</i>	<i>Budget Description</i>	<i>Amount</i>
	3.7: Enhanced business advisory centers and JRCs support efforts to bring climate resilient ABD-friendly products to markets					NBBC	62000 - GEF	71200 - International Consultants	-
	3.7.1. Conduction of at least on workshop with project partners on genetic resources with a glance of development of benefit sharing mechanisms from its sustainable use							71300 - Local Consultants	2 300,00
	3.7.2. Preparation of at least 5 information materials on ABD, CC and marketing for dissemination at JRCs at project sites							71600 - Travel	2 900,00
								72100 - Contractual Services	8 000,00
	3.7.3. Preparation of special thematic expositions for JRC Dektur in order to demonstrate and promote the knowledge and experience on sustainable conservation of local ABD for market development							72600 - Grants	-
							74500 - Miscellaneous	30,00	
							<i>Sub-total GEF:</i>		13 230,00
							04000 - UNDP	71400 - Contract. Services-indiv.	800,00
								71600 - Travel	-
								72100 - Contractual Services	2 000,00
								72500 - Office Supplies	120,00
								74500 - Miscellaneous	200,00
							<i>Sub-total UNDP:</i>		3 120,00
							Total for Output 3.7.		16 350,00

RESPONSIBLE PARTY	PLANNED BUDGET		
	<i>Funding Source</i>	<i>Budget Description</i>	<i>Amount</i>
NBBC	62000 - GEF	71200 - International Consultants	12 000,00
		71300 - Local Consultants	15 000,00
		71600 - Travel	20 000,00
		72100 - Contractual Services	51 000,00
		72600 - Grants	130 000,00
		74500 - Miscellaneous	200,00
	<i>Sub-total GEF for Outcome 3:</i>		<i>228 200,00</i>
	04000 - UNDP	71400 - Contract. Services-indiv.	5 600,00
		71600 - Travel	500,00
		72100 - Contractual Services	20 000,00
		72500 - Office Supplies	1 120,00
		74500 - Miscellaneous	1 500,00
	<i>Sub-total UNDP for Outcome 3:</i>		<i>28 720,00</i>
	TOTAL FOR OUTCOME 3:		256 920,00

EXPECTED OUTPUTS <i>and baseline, associated indicators and annual targets</i>	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				RESPONSIBLE PARTY	PLANNED BUDGET				
		Q1	Q2	Q3	Q4		Funding Source	Budget Description	Amount		
	OUTCOME (ACTIVITY) 4: PROJECT MANAGEMENT										
	4.1. Project Management					NBBC	62000 - GEF	71300 - Local Consultants	9 000,00		
	4.1.1. Monitoring of implementation of projects by farmers (SGP)							71400 - Contract. Services-indiv.	32 000,00		
	4.1.2. Monitoring of performance of agreements with partners							71600 - Travel	12 000,00		
	4.1.3. Overall performance revision on model jamoats and development of proposals on distribution of experience to other jamoats of project area							73400 - Equipment Maintenance	14 000,00		
								72500 - Office Supplies	5 000,00		
	4.1.4.Audit							74500 - Miscellaneous	1 500,00		
	4.1.5. Preparation of annual report on efficiency of implemented activities, analysis of quality of work performance and learnt lessons						Sub-total GEF for Outcome 4:		73 500,00		
	4.1.6. Participation in trainings on management and monitoring by project staff and key experts						04000 - UNDP	72200 - Equipment	10 000,00		
								71400 - Contract. Services-indiv.	18 030,00		
								72400 - Communication	7 000,00		
								71600 - Travel	150,00		
								72500 - Office Supplies	-		
								74100 - Proff.Services	1 400,00		

								74200 - Audio&Video Costs	1 000,00
								74500 - Miscellaneous	1 500,00
								<i>Sub-total UNDP for Outcome 4:</i>	<i>39 080,00</i>
								TOTAL FOR OUTCOME 4:	112 580,00

RESPONSIBLE PARTY	PLANNED BUDGET		
	<i>Funding Source</i>	<i>Budget Description</i>	<i>Amount</i>
NBBC	62000 - GEF	Outcome 1	15 500,00
		Outcome 2	233 500,00
		Outcome 3	228 200,00
		Outcome 4	73 500,00
	<i>Sub-total GEF for Project:</i>		<i>550 700,00</i>
	04000 - UNDP	Outcome 1	11 100,00
		Outcome 2	21 600,00
		Outcome 3	28 720,00
		Outcome 4	39 080,00
	<i>Sub-total UNDP for Project:</i>		<i>100 500,00</i>
	TOTAL FOR PROJECT:		651 200,00

PROJECT	RESPONSIBLE PARTY	PLANNED BUDGET		
		<i>Funding Source</i>	<i>Budget Description</i>	<i>Amount</i>
SUSTAINING AGROBIODIVERSITY IN THE FACE OF CLIMATE CHANGE	NBBC	62000 - GEF	71200 - International Consultants	28 000,00
			71300 - Local Consultants	71 000,00
			71400 - Contractual Services-indiv.	32 000,00
			71600 - Travel	46 000,00
			72100 - Contractual Services	142 000,00
			72500 - Office Supplies	5 000,00
			72600 - Grants	210 000,00
			73400 - Equipment Maintenance	14 000,00
			74500 - Miscellaneous	2 700,00
		<i>Sub-total GEF for Project:</i>		<i>550 700,00</i>
		04000 -	71400 - Contractual Services-	34 830,00

	UNDP	indiv.	
		71600 - Travel	650,00
		72100 - Contractual Services	36 000,00
		72200 - Equipment	10 000,00
		72400 - Communication	7 000,00
		72500 - Office Supplies	4 120,00
		74100 - Proff.Services	1 400,00
		74200 - Audio&Video Costs	1 000,00
		74500 - Miscellaneous	5 500,00
		<i>Sub-total UNDP for Project:</i>	<i>100 500,00</i>
		TOTAL FOR PROJECT:	651 200,00

OBJECTIVE: GLOBALLY SIGNIFICANT AGRO-BIODIVERSITY (ABD) CONSERVATION AND ADAPTATION TO CLIMATE CHANGE (CC) ARE EMBEDDED IN THE NATIONAL AND LOCAL AGRICULTURAL AND RURAL DEVELOPMENT POLICIES AND PRACTICES OF TAJIKISTAN

Baseline:

- Oblast/jamoat plans are not considering climate resilient agrobiodiversity
- Limited local capacity for in-situ and ex-situ conservation of climate resilient agrobiodiversity
- Few ex-situ collections of germplasm as identified through GBIF database

Indicators:

1. Number of hectares of productive landscape where climate resilient agrobiodiversity conservation is mainstreamed
2. Farms in pilot areas have the capacity to implement in situ and ex-situ conservation of climate resilient ABD as means to cope with impacts of CC through implementation of Homologue Approach

Targets:

1. Oblast/jamoat plans incorporate priority ABD and CC issues covering 1.5 million hectares in four districts (Shurobod, Rasht, Baljuan and Zerafshan) and 36 sub-districts (Jamoats)
2. Ex situ and in situ conservation that provides adapted germplasm for crop improvement and climate resilience programmes in Tajikistan and globally
3. Tajik germplasm used and valued by farms/ communities as means to adapt to climate change