



Integrated Resource Efficiency in Agriculture and Agro-based Industries in the Southeast Anatolia Region Project

| | | | |
|------------------------|---------------------------------|---|-----------------------------|
| Meeting No | 6 | | |
| Date / Location | 17 March 2022 / Virtual Meeting | | |
| | Name, Surname | Title / Institution | E-Mail |
| | Mehmet Açıkgöz | Deputy President / GAP RDA | macikgoz@gap.gov.tr |
| | Dr. Nusret Mutlu | Vice President / GAP RDA | nmutlu@gap.gov.tr |
| | Mustafa Ali Yurdupak | Portfolio Manager / UNDP | mustafa.yurdupak@undp.org |
| | Celal Kaya | General Coordinator / GAP RDA | celalkaya@gap.gov.tr |
| | Hakan Günlü | Specialist / T.R. Presidency of Strategy and Budget | hakan.gunlu@sbb.gov.tr |
| | Gözde Dalkıran | Assistant Specialist / T.R. Presidency of Strategy and Budget | gozde.dalkiran@sbb.gov.tr |
| | Okan Polat | Specialist / T.R. Presidency of Strategy and Budget | okan.polat@sbb.gov.tr |
| | Büyüamin Aslan | Coordinator / GAP RDA | bunyaminaslan@gap.gov.tr |
| | Yılmaz Dağtekin | Electrical-Electronics Senior Engineer / GAP RDA | ydagtekin@gap.gov.tr |
| | Emrullah Kaya | Specialist / Ministry of Industry and Technology | emrullah.kaya@sanayi.gov.tr |
| | Ahmet Sabri Öğütlü | Lecturer/Harran University | sogutlu@harran.edu.tr |
| | Fatih Akgül | Expert/Dicle Development Agency | fatih.akgul@dika.org.tr |
| | Arzu Karaarslan Azizoğlu | Local Economic Development Projects Manager / UNDP | arzu.karaarslan@undp.org |



| | | |
|--|--------------------------------------|-----------------------------------|
| Deniz Tapan | Communication Expert / UNDP | deniz.tapan@undp.org |
| Mesut Çağdaş Özkan | Expert/İpekyol Development Agency | mesut.ozkan@ika.org.tr |
| Mehmet Oğul | Expert/Karacadag Development Agency | mehmet.ogul@karacadag.org.tr |
| Mustafa Ulukavak | Expert/Karacadag Development Agency | mustafa.ulukavak@karacadag.org.tr |
| Prof. Dr. Hüsamettin BULUT | Lecturer/Harran University | hbulut@harran.edu.tr |
| Doç. Dr. M.Fatih DİLEKOĞLU | Lecturer/Harran University | dilekoglu@harran.edu.tr |
| Prof. Dr. Güzel YILMAZ | Lecturer/Harran University | gyilmaz@harran.edu.tr |
| Dr. Öğr. Üyesi Zeynel Abidin FIRATOĞLU | Lecturer/Harran University | firatoglu@harran.edu.tr |
| Dr. Öğr. Üyesi Ferhat ÇIRA | Lecturer/Harran University | ferhat.cira@harran.edu.tr |
| Doç. Dr. Mustafa ULUKAVAK | Lecturer/Harran University | mulukavak@harran.edu.tr |
| Dr. Öğr. Üyesi A.Sabri ÖĞÜTLÜ | Lecturer/Harran University | sogutlu@harran.edu.tr |
| Prof.Dr.Ferit ATASOY | Lecturer/Harran University | fatasoy@harran.edu.tr |
| Doç.Dr.Ali YILDIRIM | Lecturer/Harran University | ayildirim@harran.edu.tr |
| Prof. Dr. Osman ÇOPUR | Lecturer/Harran University | ocopur@harran.edu.tr |
| Prof. Dr. Azmi AKTACİR | Lecturer/Harran University | aktacir@harran.edu.tr |
| Tuğçe Topaloğlu Dikbaş | Project Associate / UNDP | tugce.topaloglu@undp.org |
| Süreyya Uygun | Project Implementation Expert / UNDP | sureyya.uygun@undp.org |

**Opening Speeches**

- GAP RDA Deputy President Mehmet Açıkgöz made his opening speeches by emphasizing that the activities that will contribute to the socio-economic development of the region towards competitive development within the framework of sustainable development on a national and regional scale are carried out within the scope of the project taking into account the principles of effective and efficient use of resources such as land, soil, water, energy, raw materials, technology and human resources, and issues such as climate change, environment, eco-system services, and gender equality within the framework of the relevant project. As the implementation partner, he listed the names of stakeholders such as UNDP, ODTU MATPUM, Boğaziçi University, Harran University. In this context, he stated that sub-activities/projects have been developed with the Development Agencies, Universities, relevant institutions and organizations in the Region to improve the efficiency of use of energy, raw materials, water and all other input factors, to strengthen the sustainable infrastructure that will provide capacity building and project continuity. Many activities have been carried out within the scope of the sustainability infrastructure, and he stated that he will share the relevant details with the presentations. He ended his opening speech by thanking all partners, practitioners and contributors in this project, which will contribute to the continuity of the results at the national level.
- Mr. Mustafa Ali Yurdupak, UNDP Inclusive and Sustainable Growth Portfolio Manager, stated that UNDP has been collaborating with the GAP RDA for more than a quarter of a year, and that this strong cooperation is on the first and pioneering issues in its field, and stated that studies have been carried out to increase productivity on the efficient use of resources in agriculture and industry, which is one of these pioneering issues. Noting that UNDP had started the project implementation together with the GAP RDA, many years before the Ministry of Industry and Technology declared 2019 the year of integrated resource efficiency; Within the framework of the relevant Project, which is described as a roof project, a great deal of results have been achieved, and it has drawn attention to the fact that significant progress has been made in socio-economic terms in this process and that this process continues by growing. In addition, when the Paris Climate Agreement and the Green Reconciliation Action Plan, which have been on the agenda recently, are evaluated; He also stated that the Integrated Resource Efficiency Project has become a roof project, and this project has been transformed into an academic platform by collaborating with various universities such as Boğaziçi University, Middle East Technical University, Harran University and Ege University.



| | |
|---|--|
| <p>Integrated Resource Efficiency Project and Better Cotton Practices Presentation</p> | <ul style="list-style-type: none"> It has been stated that the relevant Project has been carried out since 2017 with the aim of contributing to the increase of the competitiveness of the region by using the production factors and resources in agriculture and agriculture-based industry more effectively and efficiently. It was stated that after the current situation analysis was made as the first component within the scope of the project, primary and secondary analysis of the strategic agricultural products and value chain in the region were carried out, and the relevant findings were reported and strategic planning was made within this framework. Emphasizing that within the scope of the project, cooperation has been made with various institutions such as ODTU MATPUM, DKM, Boğaziçi University, Harran University, GAP YENEV and IPUD; It was stated that as the first step of the project, a multi-factor approach was carried out in cooperation with ODTU MATPUM, and within this framework, analyzes were carried out from various aspects, including climate change, socio-economic texture, gender, ecosystem services, from the seed to the final product conversion stage. In the related study, firstly, 10 strategic products were determined by developing an analytical approach consisting of 8 components and 25 variables and using questionnaires, and then the number of products was reduced to 7, namely wheat, cotton, corn, pistachio, olive, red pepper and sheep's milk. It was shared that various analyzes and studies were carried out on the basis of these 7 selected products, both on field, logistics and business basis. |
| <p>Integrated Resource Efficiency Project and Better Cotton Practices Presentation</p> | <ul style="list-style-type: none"> Within the scope of the project, it was stated that pilot projects were developed based on the efficiency losses determined by performing value chain analyzes of 7 related strategic products. At this stage, it was stated that related academicians from Harran University and GAP YENEV will carry out field analyzes and support studies will be carried out with booklets and visual materials for each 7 product as a capacity-building activity in the future towards the completed reports regarding the relevant analyzes. In addition, it was stated that various pilot applications were designed and implemented thanks to the findings obtained as a result of the analyzes made by Harran University and GAP YENEV. For instance; Within the framework of the Financial Support Program implemented with the Karacadağ Development Agency, 11 companies received support; Efficiency Based Grape Plant work was carried out with İpekyolu Development Agency; It has been reported that the final report has already been prepared within the scope of the Pilot Application of the Digital Adventure of Cotton with Boğaziçi and Harran University, and in addition to these, a study has been carried out with the GAP-UTAEM on the Efficiency in Seed Production and a Financial Support Program was realized with Dicle Development Agency. |



| | |
|---|---|
| <p>Integrated Resource Efficiency Project and Better Cotton Practices Presentation</p> | <ul style="list-style-type: none"> · Within the scope of the project, it was stated that, within the framework of the analyzes made at the level of agricultural enterprises on Resource Efficiency, hand guides/guidelines specific to 7 agricultural products will be designed, prepared and shared with relevant institutions and organizations in order to increase capacity and information dissemination. · It was stated that within the scope of the project, the farmers' handbook design work will be completed by receiving contributions from academics who are pioneers in their fields, specific to 7 agricultural products; supporting video studies will be carried out in a way that will increase capacity and information dissemination, and they will be shared with relevant institutions and organizations. · Photo shoots on resource efficiency, specific to 7 agricultural products that are important for the GAP Region, have been completed, and it is stated that in the future, a photo exhibition with the theme of resource efficiency with broad participation will be realized and the focus will be raising awareness within the framework of the subject. · A video film has been prepared in the field of Decent Work, and it has been stated that visual studies and workshops are planned to encourage the up-to-date Precision Agriculture practices and support the dissemination of the subject. · For Pumping Facilities; It is stated that it is planned to design the Energy Efficiency Handbook in Pumping Facilities and to organize workshops and conferences based on the studies on this subject. · In the upcoming period, necessary meetings and focus groups will be held in order to strengthen the practices for the development of regional, national and international cooperation and the efforts to provide the sustainability infrastructure in this regard, to develop projects within the framework of integrated resource efficiency, to lay the foundations of projects on an international scale, especially with institutions such as the World Bank. It was stated that it is planned to determine the concept of the project, to prepare it and to realize the feasibility studies. |
|---|---|



| | |
|---|---|
| <p>Integrated Resource Efficiency Project and Better Cotton Practices Presentation</p> | <ul style="list-style-type: none"> In 2019, it was stated that within the scope of the project, a cooperation was made with the Better Cotton Initiative (BCI), which is the world's largest sustainable cotton production program, to promote good cotton practices. Within the framework of this cooperation, joint trainings and workshops were organized with IPUD, capacity building activities were carried out and applied pilot studies were carried out, and in 2020-2021, with the GIF fund, which was awarded with 92,767 Euros, by reaching more farmers and reducing the environmental and social impacts of cotton production, it was stated that good cotton practices were carried out in the region with the technical support of UNDP. The relevant study was carried out in the two cities with the highest cotton density, in all districts of Şanlıurfa, and in Bismil and Çınar districts of Diyarbakır. For the 2021-2022 year period, within the scope of the project, it became official with an agreement within the framework of the UNDP-BCI GIF partnership and it was emphasized that within the framework of this cooperation, with 142,000 Euros, 6 producer unit personnel, the number of farmers increased from 689 to 956, trainings were given in many fields and the target hectares increased to 18,950; the total hectares will be 166,455. For the years 2022-2023, it was stated that the number of small and medium-sized farmers is expected to be 2100 with the work of 11 producer unit personnel in the field with 262,322 Euros. For the other years, it was stated that it is aimed to reach more farmers in the region with the anticipated 20% increase in funds. Because Better Cotton sets the goal for farmers to produce measurably and better for the environment and farming communities, adhering to the 7 key principles of good cotton production; It was stated that within the framework of the relevant mission, detailed trainings were given to these farmers on the subjects of Using Water Efficiently, Taking Care of the Health of Soil and Natural Habitats, Minimizing the Effect of Harmful Plant Protection Practices, Protecting Fiber Quality and Implementing Decent Working Principles, and that various trainings will continue in other periods. In addition, it has been reported that the booklets prepared within the scope of the relevant Project will be shared with all parties. |
| | <ul style="list-style-type: none"> It was stated that it was aimed to increase cooperation with the sector, to raise awareness on Precision Agriculture Practices, Decent Business Models, Resource Efficiency, Digital Agriculture Practices in Şanlıurfa and Diyarbakır districts, and to ensure Better Cotton certified production with the Project team consisting of GAP RDA Technical Experts, UNDP IRE Project Team, 6 Producer and Unit Experts and 1 Implementation Partner in the field, spreading good cotton practices in the region, keeping the environment and human health at the forefront along with competitive production based on the Resource Efficiency theme. In line with this goal, the plans for the dissemination of the Decent Business Model, the training of Digitalization in Agriculture, Precision Agricultural Practices, as well as the activities based on the continuity of Capacity Building Activities and the Preparation of the Biodiversity Map of the Region, and the preparation of visual and written materials that will raise awareness were shared. . |



| | |
|--|--|
| <p>Opinions and Suggestions</p> | <ul style="list-style-type: none"> Mr. Hakan Günlü expressed his thanks for the shared project developments, emphasizing that the results exceeded expectations nationally and that the studies were carried out, and expressed his satisfaction that good practice examples were carried out in cooperation with different institutions and organizations on a national scale within the framework of the relevant Project. He emphasized that these studies are very important in terms of both environment, health and production costs and suggested that sufficient capacity should be created by ensuring prospective sustainability for the formation of institutional memory, and this may be beneficial in terms of making the practices permanent, especially after the end of the fund. Apart from this, he suggested that the product profile should be developed with the financial support of additional national resources. In addition, instead of amending it every year in order to facilitate the project extension, for example, he proposed to make a 3-year extension and to make the grants under the project for 3 years in the next period and to evaluate the contract in that way, but due to the fact that the external funding source is not yet clear, he shared that it would be more appropriate to extend it on a yearly basis for now, since it is necessary to Show the offered grant under the investment project and revision will be required in the future. Mr. Nusret Mutlu expressed his thanks to all the participants and stated that the project is the main framework and covers many different issues. He shared that good cotton practices are also supported by the Integrated Resource Efficiency Project, which is important as it reduces input costs and preserves natural resources and has a similar approach to the Integrated Resource Efficiency Project. He expressed his pride that the issues such as smart irrigation, green development, and climate-sensitive agricultural methods implemented in the relevant project are already being aimed by the parties at the Climate Council Conference. He stated that a goodwill protocol on good cotton practices was signed by bringing together different presidencies and farmers in terms of sustainability. In the next period, by mentioning that shaping the relations with the institutional structures for the other 6 agricultural products out of 7 products is among the planned targets in the future; he added that the project of shaping irrigation structures in accordance with the green zone concept is currently in the preparation stage, and that the budget for this will be found from international funds. He stated that the national budget will contribute to mobilizing international funds and creating a network to make the region a center of attraction and stated that it is necessary to carry out certain activities in order to attract more international funds to the region and to carry out the project in a healthier way. |
| | <ul style="list-style-type: none"> Mr. Mustafa Ali Yurdupak, stated that a feasibility study is planned in addition to the dissemination of good cotton practices and deepening of the works, which will be among the things to be done after the related project extension, and the work that will be planned to be done on a basin-based basis and will be used for much larger projects in the region will have positive returns to both social peace and agriculture and industry in the region. He stated that, thanks to the related studies and results, a feasibility study will be made that will enable the industry to be a more energy-based region without interruptions in energy, and by implementing a project with multiple multiplier effects, the loan opportunities can be discussed with international organizations. Mr. Mehmet Açıkgöz stated that it is planned to carry out pilot applications covering the other 7 selected products in the upcoming period, and in addition to this, since a search for international funding will be carried out in the upcoming period, after the search for funds for investment programs is completed, based on Mr. Günlü's suggestion, he stated that a 2-3-year project extension could be made next year. The relevant parties thanked all participants for their comments, suggestions and contributions, and ended the meeting. |



| | |
|------------------------------|---|
| <p>Decisions Made</p> | <ul style="list-style-type: none">· Within the framework of the above-mentioned details and with the common consent and approval of all participating parties and stakeholders, it was decided by the Project Steering Committee Members at the 6th Project Steering Committee Meeting;<ul style="list-style-type: none">- To implement the activities planned within the framework of good cotton practices activities in the region with an additional budget of 262.322 Euro to be financed and to disseminate good cotton practices within the scope of the Integrated Resource Efficiency Project following the completion of the new application process by BCI under the Project which is funded by BCI-GIF;- To carry out pilot activities for 6 products other than cotton within the scope of the Integrated Resource Efficiency Project and to create booklets, guides and similar information visual materials that will raise awareness based on the analysis;- To increase technical knowledge and skills by cooperating with different institutions and organizations, especially in the field of training and capacity building, by carrying out networking activities within the scope of the Integrated Resource Efficiency Project;- To ensure the continuity of the project of shaping irrigation structures in accordance with the green zone concept, for which feasibility studies are currently carried out within the scope of the Integrated Resource Efficiency Project, and to benefit from international financial supports within the framework of the relevant project by establishing cooperation with international fund organizations;- Finally, in order to carry out workshops on Precision Agriculture, a photo exhibition on Resource Efficiency, training on energy efficiency in pumping plants and other capacity building activities planned within the framework of the Integrated Resource Efficiency Project; <p>It was decided to extend the implementation period of the Integrated Resource Efficiency Project from December 31, 2022 to December 31, 2023 by making an additional increase of 1,000,000 TL (67,944.01 USD) from the national budget in addition to the 262,322 Euro external resource to the project budget; and with this additional budget increase, it was decided to prepare the justification note of the request for the project extension and the planned budget and activity plan, and submit it together with the project extension document.</p> |
|------------------------------|---|