

Stakeholder Mapping

for Implementation of Sustainable Consumption and Production (SCP) measures in Agri-food Production and Processing Sector



Tajikistan



Uzbekistan

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Introduction

This publication is produced under the European Union SWITCH-Asia project Resource Efficiency in Agri-food Production and Processing (REAP). This project emphasizes sustainable consumption and production in micro, small and medium enterprises (MSMEs). The project activities target Agri-food Production and Processing MSMEs in Tajikistan and Uzbekistan. It aims to resource savings in MSMEs through implementation of Sustainable Consumption and Production (SCP) measures.

The publication maps out different stakeholders relevant for implementation of SCP measures in agri-food production and processing sector in Tajikistan and Uzbekistan. It aims to provide overview to different stakeholders to strengthen the impact of similar projects like REAP through potential possible engagements with these stakeholders. This document is an initial draft based on desk research. This publication will be reviewed and updated at the end of the REAP project period (03.2020 – 02.2024) with lessons learned in engaging with stakeholders.

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Background

The current state of the environment and projections on its development, urge action for sustainability in aspects of industrialisation and its transformational changes. One of the Sustainable Development Goals, adopted by the UN Member States in 2015, is sustainable production and consumption (SDG 11), allowing for strategic action to eradicate unsustainable resource depletion practices that in turn contribute to the climate action goal through climate mitigation. REAP project is designed to implement actions to achieve the goal of responsible consumption and production and support transition to green circular economy in Uzbekistan and Tajikistan. The project targets agri-food production and processing, which further contributes to sustainable economic growth, poverty reduction, and equity in both focus countries.

Agricultural production possesses a big share in GDP in both target countries, accounting for 30% in Uzbekistan and 25.5% of the GDP in 2018¹. Moreover, it accounts for a high share of labor in the country 27% in Uzbekistan and 61.2% in Tajikistan. Despite the high labor intensity and favorable climatic conditions, food import remains high in Tajikistan accounting for 70%, whereas in Uzbekistan import of commodity-type intermediate goods such as base gold, fuels and cotton exceeds export by 26%². Factors as increasing demand for food due to population growth, favorable climatic conditions, and potential for food production provide big opportunities for implementation of measures for a remarkable cut in energy, water, raw materials, financial inflow, and CO₂ emissions reduction.

At present, awareness on environmental impacts and economic losses from production remains low in the target countries. The same holds for practices and approach of sustainable consumption and production followed by the lack of financial literacy among target groups and a lack of access to finance to adopt SCP practices. Another important factor creating a bottleneck for SCP practices implementation is a lack of knowledge among different stakeholders on best and basic practices of SCP or cleaner production in industries.

Purpose of stakeholder mapping

The REAP project is being implemented along two dimensions, direct industry support and stakeholder engagement. The primary activity of the project will be targeted towards direct support provided to micro, small and medium enterprises (MSMEs) in agri-food production and processing sector through capacity building measures, direct consultation and guidance through the process of implementing Sustainable Consumption and Production (SCP) practices. In addition, the project will conceptualise and implement specific activities to target key stakeholder groups individually through stakeholder roundtables, policy roundtables and financial sector engagement. This will enable the creation of a comprehensive support framework for SCP uptake in MSMEs. One of the key activities is to engage with different

¹ Embassy of Switzerland in Tajikistan, 2019

² UNESCAP, 2015

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stakeholders involved in the agri-food production and processing sector in order to strengthen the uptake and implementation of SCP at MSMEs in focus countries.

To implement different activities under the project, project team seeks continual engagement with different stakeholders in focus countries. For successful implementation of all the activities, an overview of the stakeholders to be involved is crucial. Therefore, current stakeholder ecosystem maps are developed for serving as a guide for stakeholder engagement in the course of the project for orientating and planning strategies on the implementation of SCP technologies in local MSMEs. Moreover, it will navigate MSMEs beyond the project lifetime to integrate SCP practices in their production. The ecosystem map strives to provide a systematic overview of the existing and active stakeholder groups in both focus countries that are or potentially to be involved in collaboration in the project activities and the scaling up the uptake of SCP technologies.

The ecosystem maps include key stakeholders (actors), providing existing supportive instruments like, cleaner production capacity building, installation of technology and financial mechanisms to implement SCP measures etc. The main objective of the mapping is to assess the capacity of stakeholders to support the implementation of REAP and similar projects in the focus countries, depending on the relevant activities outlined in the project and upscaling of SCP at a higher level. Prioritization and mapping will help to identify the most relevant stakeholders to achieve project goals.

Scope of application

As mentioned above, the project envisages various activities to facilitate the implementation of SCP practices in Tajikistan and Uzbekistan. These activities require the involvement of specific stakeholders for different activities. The following paragraphs, therefore, provide an overview of the project activities, including some information on activities involving different stakeholder groups. The map will be used to identify the most relevant stakeholders for each activity.

The training of **technical consultants** is the core element of the project as they eventually are the ones working on ground with MSMEs in identifying and guiding MSMEs for implementation of SCP measures. Furthermore, they assist MSMEs in accessing clean technology (green) finance and improving supply chains independently, during the project and after its completion. To have candidates who are technical consultant potential is very crucial for these SCP projects, this mapping activity provides list of relevant **consultancies and academia** that can provide talents who can be trained as potential technical consultants.

To identify and **mobilise MSMEs** for the project is one of the key activities and is proven to be not-easy if there are no proper networks and connections. This can be done through engaging with **associations** (industry associations, business associations, etc.), **large industries/companies** (companies that are customers for MSMEs in relevant value chains) and **NGOs** (who also implement similar kind of projects or are supporting MSMEs in their

capacities). During the implementation of SCP measures, MSMEs may also need equipment and technologies that are efficient, stakeholder mapping provides list of **technology suppliers** in the countries.

Policy advocacy is one of the important activities to strengthen the current SCP ecosystem in countries, and cannot be done without relevant actors. The stakeholder mapping provides list of relevant actors who can be drive the policy changes in countries, like **National Governmental Organisations** and **International Development Organisations**. Also, other stakeholders can be involved to have inclusive multi-stakeholder roundtables and dialogues.

To implement high-cost SCP measures and install energy/resource technologies MSMEs need finance. As per the Cleantech Finance reports produced under the REAP project ([Tajikistan](#), [Uzbekistan](#)), it's evident that cleantech finance ecosystem in both the countries is still in an initial stage. This also mean, **access to finance** for MSMEs is a challenge. To work with relevant financial institutions and provide MSMSEs a support in access-to-finance, list provides very relevant **National and International Financial Institutions** details.

Finally, to understand the SCP ecosystem in the context of MSMEs we conduct **stakeholder roundtables**, which involve stakeholders from all categories. This mapping will be used for future engagements with relevant stakeholders for respective activities mentioned above.

NOTE: The stakeholders list does not contain project consortium partners to avoid conflict of interest in scoring their organizations.

Stakeholder groups and their roles



The roles of stakeholder groups are defined based on desk research. Furthermore, stakeholder groups were divided into thematic groups depending on the type of intervention and support/services they have for SCP implementation or working with MSMEs. Roles are based on the assumptions depending on the services they provide, implemented projects, and their expertise in the field. It is important to note that although roles are defined based on sources of information some of them are assumptions and may be adapted in the future.

MSMEs are at the core of the map, they are agri-food processing enterprises. MSMEs that are (or potentially will be) interested in SCP technologies and implementation of resource efficiency in their production and eventually benefit from the increased profits through reduced losses in production. Current stakeholder mapping is developed with MSMEs centric view, i.e. the ultimate goal of all activities and collaborations is the success of MSMEs in adopting resource-saving technologies or improving existing facilities with regard to resource consumption. The project intervention will consist of an assessment of resource losses in the value chain by trained technical consultants, specifically in the process of production. This will be followed by recommendations from SCP consultants for participating MSMEs to upgrade existing technologies or improve processing. In addition, the project will support MSMEs with access to financing schemes as a follow-up.



Industrial Intermediaries - are entities facilitating the process of registrations, capacity development, technical assistance, legal frameworks, and development of networks, etc.

- **Associations** support, protect the rights of their thematic industries and their members. Due to the focus of the project, the stakeholder map only considers associations in the food production industry. Services of associations include support in production, training of employees, information dissemination, advisory, and other development services.
- **Large industries** are large food processing companies. They are not the direct beneficiaries of the project, but rather benefit indirectly through the possible reduction of resource losses in food processing at the lower levels of the value chain (in MSMEs) where materials for production are acquired. They may benefit in terms of improved marketing opportunities, as well as through improved image through clearer production. The latter does not deny the possibility of their integration of SCP practices out of the project scope.
- **NGOs** may facilitate the process by SCP technology uptake on the broader scale and depending on their capacity could provide other functions and services to MSMEs.



Technical Intermediaries – these are actors facilitating innovation through providing technical advice and/or access to resource-efficient technologies.

- **Consultancies** are broadly defined as facilitators of transformation in processing; they help clients improve processes and implement technological measures to achieve resource efficiency.
- **Academia** is a source of potential SCP consultants. Students and staff have the opportunity to be trained on SCP and to provide their services to MSMEs during and after the project. Besides, upon completion of the project, and trainings, a provision for transfer of knowledge resource to training institutions (example: technical universities) for curriculum development on SCP.
- **Technology suppliers** are vendors providing access to resource-efficient technologies for manufacturing enterprises.



Financial Institutions (FIs) have various legal statuses. They can provide financial resources (loans, grants, equity) to MSMEs to implement high-cost SCP technologies. This group includes commercial banks, microcredit organizations, international financial institutions, and possibly international development organizations that might have financial products for MSMEs.

- **International FIs** include institutions such as international banks, donor organizations, foundations, facilities. They provide funds through different programs for clean production, resource efficiency, climate neutrality, etc. International FI's use different channels to provide funding: i. local facilities representing their interests and providing direct funds; ii. local financial institutions engaged to distribute dedicated funds based on a contractual basis, for example, local banks or microcredit organizations.
- **National FIs** include central/national banks, local commercial banks, local microcredit organizations, and other types of institutions (ministries) that provide loans or grants to the local population. These financial institutions have the potential to contribute to the SCP implementation process by developing cleantech financing schemes, in particular for the acquisition of SCP technologies or improvement of existing technologies. Funds for credit lines for SCP implementation at local financial institutions may have different sources of origin. One possibility, as was mentioned

in the paragraph above, is international financial institutions and the other is the own funds of an institution or governmental funds. In practice, these credit lines are not necessarily exclusively SCP related, depending on the local financial environment these can be credit lines for clean energy, climate neutrality (mitigation), etc. Nevertheless, the scope of seeking funds should not be limited to the wording, as good funding opportunities can exist without a specific purpose of the funds or a credit line.



Development organizations are governmental organizations and international development organizations that support the development of the economic sector by providing policy support through establishment of legal regulations and development programmes and projects, and monitor the implementation of programs and strategies.

- **National Governmental organizations** comprise relevant ministries and governmental institutes as agencies, committees, etc. These are governmental bodies, institutions, and relevant ministries that enable and ensure the implementation of SCP technologies through various development strategies such as green economy, energy efficiency, and others. These stakeholders have regulatory and monitoring functions in the implementation and enforcement of laws.
 - **Ministries** involved in the implementation of SCP, set the rules of the game on a legal basis by creating incentives mechanisms for the SCP practices by developing policies and legal instruments for resource efficiency as roadmaps, acts, plans, schemes, government programs, strategies.
 - **Governmental institutions** (national and local level) support the implementation of programs, agendas, projects initiated by ministries by providing services to MSMEs, such as standardization, certification as well as technical support.
- **International development organizations** provide technical advice, support in the overall promotion of SCP, financial support, and support in the dialogue with policymakers. Since the functions of international development organizations sometimes include financial support, this stakeholder group may also belong to the funding organizations.

All these defined stakeholder categories are important for the promotion, implementation, and dissemination of SCP at national and regional level. Some of them might not be directly related to the SCP, but they might have an indirect effect on the SCP uptake.

Methodology

The stakeholder map was elaborated based on the three-phase approach, depicted in the Figure 1. The first phase was to compile a long list of relevant stakeholders for pre-defined stakeholder groups. Qualitative analysis with the use of primary sources as expert knowledge and secondary sources of information (desk research) was applied in this research to identify potential stakeholders. Local consortium partners go through the initial lists and update them with their local context, knowledge and relevance to the project.

It was further adapted for analysis to complete the second phase of the stakeholder mapping process to determine their relevance to SCP. Secondary literature research with the analysis of the activities, services, results, projects implemented, as well as expert knowledge, contributed to the scoring of the stakeholder based on the criteria of relevance to uptake SCP in MSMEs. The main sources were official webpages of the stakeholders, grey literature – reports on activities and services provided by the stakeholders. The third phase of stakeholder mapping entails the visualization of the obtained information as a result of the stakeholder scoring process. The results of the second and third phases are presented in the next parts of this document.

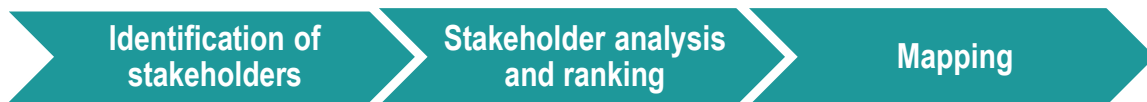


Figure 1 - Phases of stakeholder mapping

The result is purely qualitative since no quantitative. Stakeholder mapping is an iterative process, meaning it might change throughout the project implementation depending on different aspects such as additional input information or changes of the status quo of the institutions e.g. through capacity development, changes in power and influence, etc. In this regard, the stakeholder maps will be updated at the end of the project as a result of lessons learned from the implementation of project activities.

Criteria for stakeholder scoring

In order to build a consistent map that can reflect and represent important aspects for MSMEs, it is essential to develop scoring criteria that are in-line with the project objectives. Different stakeholder mapping methods and approaches offer different criteria. The most relevant identified criteria to this project as a whole are **interest**³ or willingness to collaborate; **expertise**; **influence/impact**, and the capacity for engagement of stakeholders in implementation SCP at MSMSEs or strengthening SCP ecosystem in the country. (Table 1).

³ Mendelow, A., 1991. Stakeholder Mapping. Proceedings of the 2nd International Conference on Information Systems, Cambridge, MA

The **interest** criterion score and its description explain the reason why the stakeholder is interested in SCP related activities. The **expertise** criterion shows namely the expertise of the stakeholder in implementation of SCP measures or the facilitation of the adoption of such green or clean technologies by the development and application of various mechanisms, programmes, services and schemes. For instance, for FIs, it could be expertise in developing a financing scheme for funding clean technology. **Influence** is explained as the capacity or a power of a stakeholder to influence the project⁴ activities and influencing MSMEs in taking-up SCP implementations. Expertise and influence criteria are more relevant in case of strategic engagement of stakeholders.⁵ **Capacity for engagement** refers to the availability of the resources of the stakeholder for engagement with project activities. Resources, for instance, are people, time, and others. To summarize and build a map, the average score for all of the above criteria for each stakeholder is calculated, which serves as the final input for a schematic representation of the relevance and importance of stakeholders to MSMEs in the uptake of SCP measure implementation. The final average score is a relevance criterion in the Table 1.

Table 1 - Criteria for stakeholder rating

Criteria	Guiding Questions
Interest	What is the interest of the stakeholder in ensuring the uptake of SCP by agri-food processing MSMEs? Can this stakeholder directly benefit from MSMEs investing in RE/SCP?
Expertise	What is the expertise of the stakeholder in support, implementation or other processes of SCP uptake?
Influence/impact to the MSME	Can the stakeholder influence the capacity of the MSME to uptake SCP ?
Capacity for engagement	Does the stakeholder have a capacity for engagement in the relevant SCP project activities? What resources can be deployed for this engagement?
Relevance of the stakeholder to SCP	The average score of all above criteria

Stakeholder rating is based on scores given for each criterion. The scores are qualitative assessments based on expert knowledge and information gathered on description of services, goals, implemented projects, programs and other information available for each stakeholder through desk research. Stakeholders are evaluated on the criteria between zero (0) to three (3), with a higher score indicating a higher relevance. As an example, a score of three on interest means that the stakeholder has a high interest in ensuring SCP update at MSMEs or contributing to SCP ecosystem, while a score of zero means that the stakeholder has no interest in SCP. In the end as was mentioned previously the average of the four criteria scores counted and later depicted in the ecosystem map. The closer the stakeholder to the core /

⁴ Chinyio, E., & Olomolaiye, P. (Eds.). (2009). Construction stakeholder management. John Wiley & Sons

⁵ Taylor, A., Oger, C., & Morris, J. (2019). Five-Step Approach to Stakeholder Engagement. en Business for Social Responsibility (BSR).

center of the map, the more relevant the stakeholder is to the MSMEs. The map presents only stakeholders that received high scores, i.e., the most relevant stakeholders.

Log-list of relevant stakeholders scoring can be found in the **ANNEXES 1 & 2**.

Stakeholder maps

As mentioned above, maps with the most important stakeholders were developed through scoring of stakeholders. The maps are supplemented by Table 2 and Table 3, containing the names of stakeholders and their positions (numbers) on the list & on the map. At the **current stage** of the project, the selection is based on the criteria of **interest, experience and influence**. The capacity for engagement of stakeholders has to be determined through direct interaction with them. National FIs and technology suppliers were evaluated using slightly different approach. FIs were evaluated on their respective finance schemes especially for funding clean technologies and supporting MSMEs in agri-food production and processing. Technology suppliers have been ranked according to the variety of technologies they provide, which means suppliers providing a wider range of technologies for cleaner production have a higher score.

The maps will be revised at the end of the project based on new information gathered through cooperation with the stakeholders to present additionally the capacity of their engagement.

Tajikistan

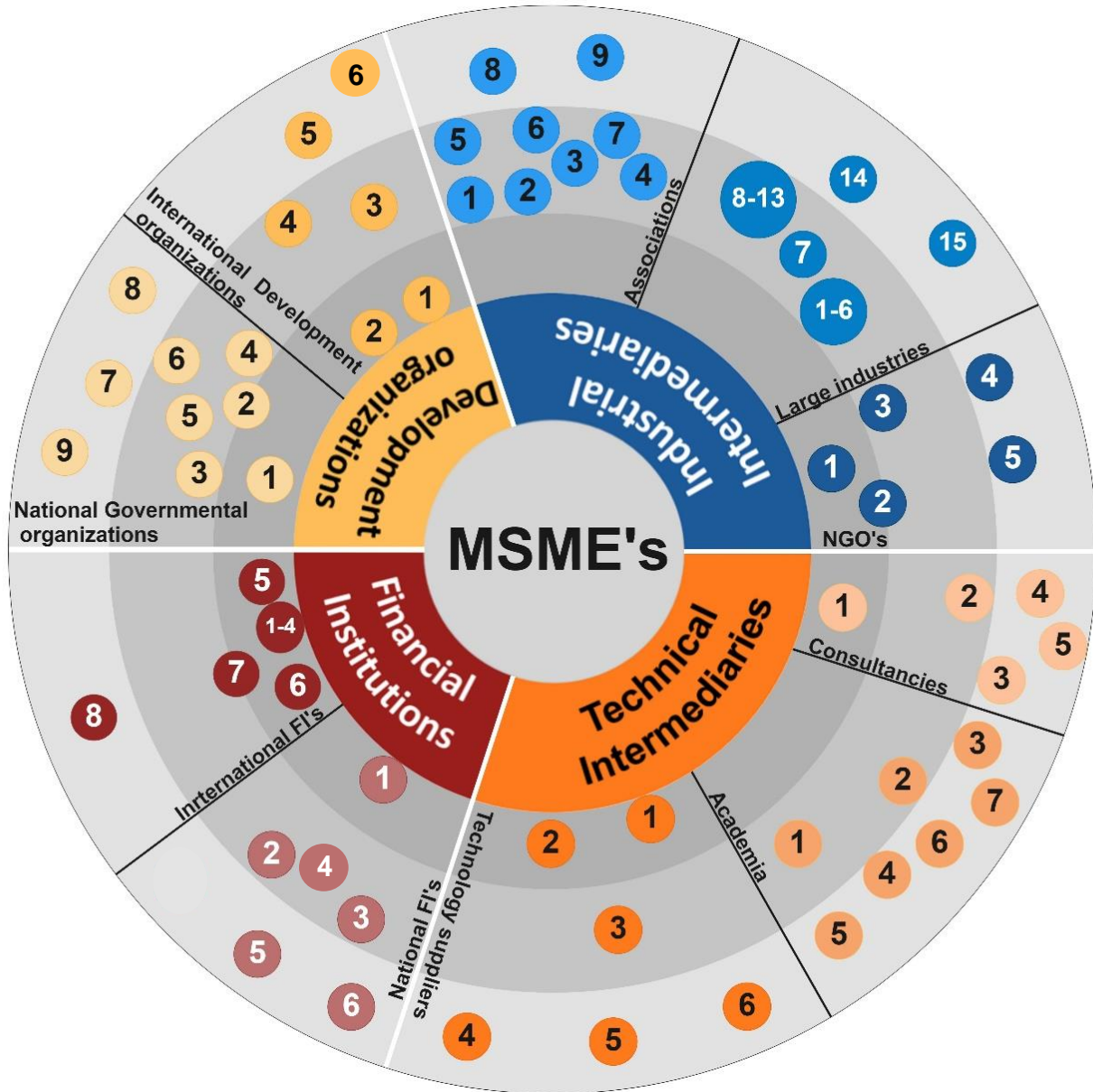


Figure 2 - Stakeholder map of Tajikistan

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Table 2 - Stakeholders of Tajikistan

#	Industrial intermediaries			Technical intermediaries			Financial Institutions		Development Organizations	
	Associations	Large industries	NGOs	Consultancies	Academia	Technology Suppliers	National FIs	International FIs	National Governmental Organizations	International Development Organizations
1.	Association of importers and processors of grain and grain products of Sughd region	Ecofruit Isfara LLC	Independent Agency for Strategic Research and Agricultural Planning	Independent Agency for Strategic Agricultural Research and Planning	Tajik Technological University (the Faculty of Engineering and Technology)	BIZON - Online store of goods for construction and repair	Arvand Bank CJSC	Aga khan Development Network (AKFED)	Ministry of Industry and New Technologies of the RT	European Union
2.	Association of agribusiness of Tajikistan	Isfara Food LLC	Civic Initiatives Support Fund (CISF, Dastgiri Centre)	"Act Development Group" LLC	Tajik Agrarian University named by Shirinshokh Shotemur	SOMON.TJ - Online internet store	Eskhata Bank OJSC	EBRD	Consultative Council on Improvement of Investment Climate under the President of the RT	UNDP Tajikistan
3.	Association of Entrepreneurs of Khatlon Region	Kombinati Khurokvori OJSC	ACTED	CAIConsulting Central Asia International Consulting Company	Center of Training and development of Microfinance Organisations of Tajikistan	GreenFinance	Humo Micro Credit Deposit Organization CJSC	GEFF	Ministry of Energy and water resources	USAID
4.	International Association of Agricultural Producers and Exporters of Tajikistan	State Unitary Enterprise "Khurokvori"	Hilfswerk	Public organisation Zarzamin Association of Professional Agricultural Consultants	Tajik National University	"Romsar"	IMON INTERNATIONAL Microcredit Deposit taking Organization	Green Climate Fund (GCF)	Committee on Environmental Protection under the Government of the Republic of Tajikistan	GIZ Tajikistan
5.	Association of meat and dairy industry of Tajikistan	Mevai Kand LLC	Little Earth NGO	DALERON Development Group LLC	Dangara State University	Technoshop "VOLNA"	International bank of Tajikistan	IFC	State institution on Enterprise Development in Agriculture	Winrock International
6.	Association of Scientific and Technical Intellectuals of Tajikistan	Nufuzi Vakhsh CC			Khorog State University	"Avrang" Shop	Spitamen Bank CJSC	WB	Ministry of Agriculture of the Republic of Tajikistan	ACD/VOCA

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13



7.	Private Sector Development Union of Tajikistan	ORO Isfara LLC			Tajik Institute of Entrepreneurship and Service			KfW	Food Security Committee under the Government of the RT	
8.	Association of Dehkan Farms "Zardoluparvaroni Asht" LL	Mountain food products LLC						FAO Tajikistan	Ministry of the Economic Development and Trade of the RT	
9.	Association of Entrepreneurs and Mountain Farmers "Milal Inter"	Nasim LLC							Center for Support and Development of Entrepreneurship in Dushanbe	
10.		Nasimi Kuhsor LLC								
11.		Rahimov Suhrob (Barakat) IE								
12.		Sitabr Agro LLC								
13.		Tijorati Sorbon LLC								
14.		Khujand cannery OJSC								
15.		Tajfruit LLC								

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14



Uzbekistan

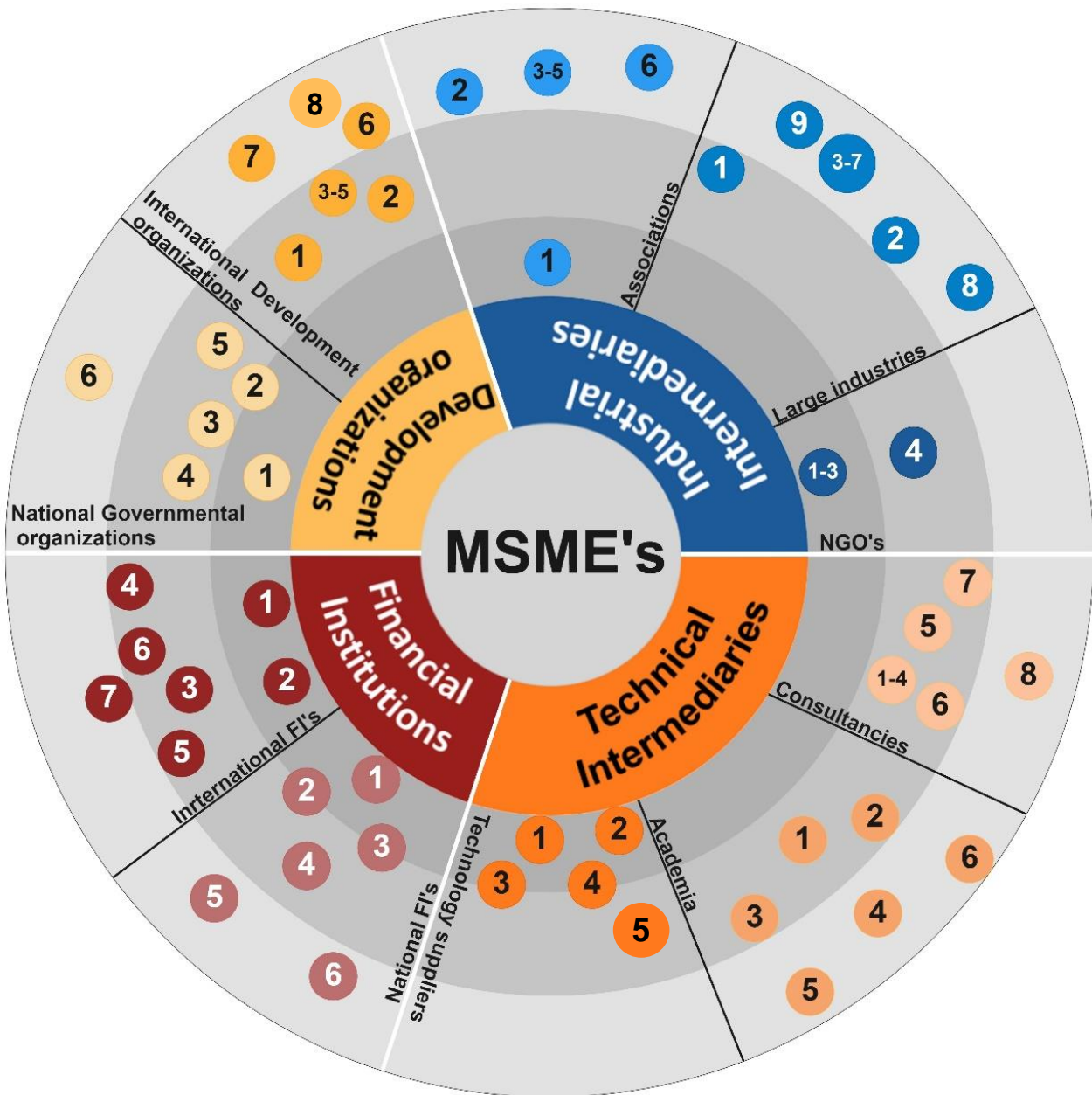


Figure 3 - Stakeholder map of Uzbekistan

Table 3 - Stakeholders of Uzbekistan

	Industrial intermediaries			Technical intermediaries			Financial institutions		Development organizations	
	Associations	Large industries	NGOs	Consultancies	Academia	Technology Suppliers	National FIs	International FIs	National Governmental Organizations	International development organizations
1.	Association of Agribusiness of Uzbekistan	“Ferghana France” LLC	ACTED	AKIS agricultural service centers	Tashkent State Agrarian University	TERMOFAN TASHKENT LLC	Microcredit bank	EBRD	Agencies for the implementation of agro-industry and food supply projects	European Union
2.	“Agromir Group” Association	“Uzdonmahsulot” JSC	CAREC	“Center of Expertise in Cleaner Production” LLC	Tashkent Institute of Irrigation and Agricultural Mechanization Engineers	Ventr Ltd	Hamkor Bank	Green Climate Fund	State Committee on Ecology and Environmental Protection	ADB
3.	Association of Exporters of Uzbekistan	“Agromir-Bukhara” LLC	Cleantech Latvia in Uzbekistan	“SKB” LLC	Science Academy of Uzbek Republic	“ALL SOLAR” PE	Sanoat Qurilish Bank (UZPSB)	IBRD (WB)	Ministry of innovative development of Uzbekistan	UNFCCC
4.	Association of Oil and Fat Products	“Agromir-Zarkent” LLC	Center of Agro Information-Innovation of Uzbekistan	“Smart Management” LLC	Scientific Research Institute of Mechanization and Electrification of Agriculture	INTELLECT-DIALOG LLC	Asaka Bank JSCB	ACD/VOCA	Ministry of Agriculture of Uzbekistan	Food and Agriculture Organization
5.	Uzbek Food Reserves Association “Uzbekozikowkatzahira”	“Gazalkent Meva” LLC		“Ecoenergy” LLC	Uzbek Scientific and Production Center for Agriculture	“Mir Solar” LLC	Agrobank (Winery)	IFAD	Ministry of energy of Uzbekistan	Chemonics international
6.	Managers Association of Uzbekistan	Gold dried Fruits Agroholding		“Energcontact” LLC	Ferghana Polytechnic Institute		Ipak Yuli Bank	World Bank	Ministry of water resources of Uzbekistan	UNDP
7.		“Ohangaronon” JSC		Green Business Innovation, LLC				IFC		Hilfswerk
8.		TNA Agroinvest LLC		Information and Advisory Center at the Tashkent State Agrarian University						GIZ
9.		TCT Cluster LLC								

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ANNEX 1

Stakeholders Scoring - TAJIKISTAN

Scores in below tables are between 0 to 3. 0 being lowest 3 being highest. Scoring is purely based on the desk research.

Associations									
Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
LL Association of Dehkan Farms "Zardoluparvaroni Asht"	1071-tj.all.biz	- Processing and packaging of dried fruit	Medium to high interest due to the interest in processing equipment	2.5	Low expertise on SCP technique	1	Medium to Low influence: (limited amount of members and not clear if willingness to adapt to SCP in them is in place)	1.5	1.67
PO Association of importers and processors of grain and grain products of Sughd region	1099-tj.all.biz	- Pprocessors of grain and grain products	High interest due to the fact that they are members of NASMB RT who are already aware of the REAP project and have a high desire to ensure SCP implementation for their members companies	3	Low expertise on SCP technique	1	Medium to hight influence: (despite a limited number of members but great desire to implement and influence the activities of its members)	3	2.33
Association of Entrepreneurs and Mountain Farmers "Milal Inter"		Promoting sustainable development of mountain regions through comprehensive support for small and medium-sized businesses and mountain farming, the development of regional cooperation, and the improvement of market infrastructure. Provide business consultations to all its members which are specialized in production, processing and export of fruits and vegetables, dairies, honey, canning and etc.	Medium or low interest due to interest in developing members specifically more in the area of financial sustainability	1.5	Medium to Low expertise on SCP technique	1.5	Medium to Low influence: (limited amount of members and not clear if willingness to adapt to SCP in them is in place)	1.5	1.50
International Association of Agricultural Producers and Exporters of Tajikistan (APEAPT) - МАПЭСТ	www.foodexport.tj	Processing and export of apricots, dried fruits and vegetables	Agronom and techno consultations are provided by the association	3	Not clear whether they have an expertise on SCP technologies, but are aimed to improve the skills of the association members in the effective management of agrarian and production cycles	1	Medium to High influence due to the pvision of consultations on technologies	2.5	2.17

<p>Association of Scientific and Technical Intellectuals of Tajikistan</p>	<p>http://www.asti.tj/</p>	<p>Worked in the past for CANVY IV project implemented by Hilfswerk. Regional project on agro-value chains Possesses a micro loan fund ASTI (http://www.asti.tj/en/mikrozayomnyj-fond-asti.html) - Improving the living standards of the low-income population for entrepreneurial activity by providing microloans Consulting services e.g.: - Designing the launch and installation of equipment - Providing the necessary technology - Selection of equipment for these technologies - Training in the use of technology Advising on the choice of equipment - trainings on agricultural processing (TBC) - Marketing and agribusiness development, market research</p>	<p>Might have interest in dissemination and implementation of SCP technology</p>	<p>2</p>	<p>Medium to low expertise as the he level of proficiency in the SCP technique, as in Association goals and objectives which is indicated in official website you can find that they advocate, develop and implement resource-saving technologies.</p>	<p>2</p>	<p>Low to medium impact in dissemination of SCP approach and technologies</p>	<p>2</p>	<p>2.00</p>
<p>Association of Agribusiness of Tajikistan</p>	<p>https://consulting.tj/info/aat/</p>	<p>Promotes legal business and networking between producers, suppliers and traders of agricultural inputs, and protects the rights and interests of its members. Membership of the association has so far been extended to agro-dealers, processors, fresh and dried fruit exporters, associations and dehqan farms</p>	<p>Might have high interest since has processors as association members</p>	<p>3</p>	<p>Medium to Low expertise on SCP technique</p>	<p>1.5</p>	<p>Medium impact</p>	<p>2</p>	<p>2.17</p>
<p>Khatlon Association of Entrepreneurs</p>	<p>https://kba.tj/ru/</p>	<p>- Support for businessmen in the agricultural and industrial sectors (12 members) - Preparing useful proposals and recommendations on existing legislation for the development of entrepreneurship - Assistance in agribusiness development, export of regional products, implementation of international standards, establishment of logistics and information centres. - Coordination with enterprise development and investment programmes of development partners, business associations, public organisations and institutions (Might be a right stakeholder for policy dialogue) The Association of Entrepreneurs of Khatlon region was founded in 2012 and unites 18 producers, processors and exporters of agricultural products of the Republic of Tajikistan. Provide business consultations to all its members which are specialized in production, processing and export of fruits and vegetables, dairies, honey, canning and etc.</p>	<p>Medium interest, support business on a broader scale and are not specifically in tehcnique, but has a potential</p>	<p>2</p>	<p>Medium to Low expertise on SCP technique</p>	<p>1.5</p>	<p>Medium impact</p>	<p>2</p>	<p>1.83</p>

<p>Association of meat and dairy industry of Tajikistan</p>	<p>https://asiaplustj.info/ru/news/tajikistan/society/20170906/kachestvo-moloka-zdorove-natsii</p>	<ul style="list-style-type: none"> - Elaboration of a concept for the development of business areas in the milk production sector (dairy farms) and production of dairy products; - Conducting presentation events for potential members of the association. - Conducting business cocktails with presentations of specific business projects. - Training events for the members of the association etc. 	<p>Medium to high interest</p>	<p>2.5</p>	<p>Medium to Low expertise on SCP technique</p>	<p>1.5</p>	<p>Medium impact to MSMEs, might act as a hub of idea spread</p>	<p>2</p>	<p>2.00</p>
<p>Private Sector Development Union of Tajikistan</p>	<p>https://consulting.tj/info/upsdt/contact/</p>	<p>Assisting SMEs in obtaining financial and logistical resources from existing financial institutions Informing small businesses about events, exhibitions, fairs, activities and facilitating their participation Access to an information databank on the region's potential and investment sites Providing information on market conditions, buyers, sellers, potential business partners, new technologies, E-subscription to the news of the GBCT and the business community Assistance to entrepreneurs to participate in regional business development programmes, tenders, grants, subsidies and subventions</p>	<p>Medium to high interest in SCP</p>	<p>2.5</p>	<p>Medium to Low expertise on SCP technique</p>	<p>1.5</p>	<p>Medium impact to MSMEs, might be a good point of information dissemination</p>	<p>2</p>	<p>2.00</p>
<p>Association of Entrepreneurs of Khatlon Region</p>		<p>The Association of Entrepreneurs of Khatlon region was founded in 2012 and unites 18 producers, processors and exporters of agricultural products of the Republic of Tajikistan. Provide business consultations to all its members which are specialized in production, processing and export of fruits and vegetables, dairies, honey, canning and etc.</p>	<p>High interest due to the fact that Khatlon is an agricultural region, basically all members of the association work in the agricultural sector.</p>	<p>2</p>	<p>Medium to Low expertise on SCP technique</p>	<p>2</p>	<p>Medium influence on MSMEs, can act as a center for the dissemination of ideas in connection with the emerging image of this Association in the Khatlon region and the specifics of its direction and activities</p>	<p>2.5</p>	<p>2.17</p>
<p>Association of agribusiness of Tajikistan</p>		<p>Promotes legal business and networking between producers, suppliers and traders of agricultural inputs, and protects the rights and interests of its members. Membership of the association has so far been extended to agro-dealers, processors, fresh and dried fruit exporters, associations and dehkans farms</p>	<p>Might have high interest since has processors as association members</p>	<p>3</p>	<p>Medium to Low expertise on SCP technique</p>	<p>1.5</p>	<p>High impact</p>	<p>2.5</p>	<p>2.33</p>

Large Industries/Companies

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
LLC Tajfruit	www.tajfruit.tj , tajfruit.all.biz	Specialises in the processing and packaging of dried fruit.	Might have miduem interest	3.00	Low to no expertise	0.50	Low influence	1.00	1.50
LLC Isfara Food	www.isfarafood.tj	processing of dried fruits and nuts in the northern part of Tajkistan.	High interest as they are the beneficiaries of the project REAP	3.00	Medium expertise	2.00	Medium influence	2.00	2.33
OJSC Khujand cannery	https://1069-tj.all.biz/	Output of tinned production as fruits and nuts	Medium interest	3.00	Low to no expertise	1.00	Low influence	1.00	1.67
LLC Fruit Valley	www.vodiimevaho.tj	Processing of dried fruits and nuts	Medium nterest	2.00	Low to no expertise	0.50	Low influence	1.00	1.17
LLC Mevai Kand	www.golden-fruit.tj	Processing and export of dried fruits	High interest due to the fact that this company alresdy join the REAP project	3.00	Medium expertise	2.00	Low influence	2.00	2.33
LLC Ecofruit Isfara	www.barakat-isfara.com	Dried fruits and nuts production	High interest due to the fact that this company alresdy join the REAP project	3.00	Medium expertise	2.00	Low influence	2.00	2.33
LLC Nur Food	www.nur-food.com	Nuts, dried fruits, candied fruits, confectionery products made of nuts and dried fruits, packaged products.	Medium nterest	2.00	Low to no expertise	0.50	Low influence	1.00	1.17
LLC Kand K	www.isfagroup.ru	Dried fruits and nuts processing.	Low interest	1.00	Low to no expertise	0.50	Low influence	1.00	0.83
LLC ORO Isfara	www.oro-isfara.com	Processing of dried fruits and nuts	High interest due to the fact that this company alresdy join the REAP project	3.00	Medium expertise	2.00	Medium influence	1.50	2.17
LLC Subhi Vatan	http://subhivatan.tj	Canned products - fruit juices, vegetable marinades, tomato paste, jams, fruit jams and semi-finished products - fruit pastes.	Medium interest	2.00	Low to no expertise	0.50	Low influence	1.00	1.17
CC Nufuzi Vakhsh	www.aliapricot.com	Production of dairy products such as cheese, sour cream, etc.	High interest due to the fact that this company alresdy join the REAP project	3.00	Medium expertise	2.00	Medium influence	2.00	2.33
OJSC Kombinati Khurokvorori	www.chilfruit.ru	Processing and packaging of dried fruit and nuts (dried apricots, prunes, compote mix of different varieties, dried rosehips, apricot kernel)	High interest due to the fact that this company alresdy join the REAP project	3.00	Medium expertise	2.00	Medium influence	2.00	2.33

LLC Tijorati Sorbon	www.td-ecofrut.ru	Production of dairy products such as cheese, sour cream, etc.	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Low influence	1.00	2.00
LLC Nasimi Kuhsor	http://tpp.tj/business-guide2017/pdf/inv_pr/rus/9.pdf (Document on investments with other production enterprises) https://www.tajik-gateway.org/wp/industry/pishhevaya-promyshlennost/oao-shirin/	Canned products -, vegetable marinades, tomato paste, cucumber, apricot peach	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Low influence	1.00	2.00
LLC Sitabr Agro		processing and packaging of corn	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Low influence	1.00	2.00
IE Rahimov Suhrob (Barakat)		Packing groats	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Medium influence	1.00	2.00
LLC Mountain food products		production and packaging of chips and fries	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Medium influence	1.00	2.00
LLC Nasim		production of mulberry bars	High interest due to the fact that this company already join the REAP project	3.00	Medium expertise	2.00	Medium influence	1.00	2.00
State Unitary Enterprise "Khurokvori"	www.hurokvory.tajnet.com http://nm.tj/economy/33719-za-1-god-gup-hurokvori-rasshirilos-na-33-predpriyatiya.html	By 2015 146 agro-processing enterprises were the part of the to the State Unitary Enterprise "Khurokvori". Might serve as a good source for finding MSMEs interested in SCP technologies	Might have meduim to high interest in SCP	2.5	Low to medium expertise in SCP	1.5	High influence since have more than 146 enterprises as members of this governmental enterprise	3	2.33

NGOs

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Independent Agency for Strategic Research and Agricultural Planning	https://consulting.tj/info/nasip-apk/	Interested in distribution of highly effective technologies, equipment and machineries Partners: Ministry of Agriculture of the RT, Ministry of Land Reclamation and Water Resources of the RT, Tajik Academy of Agricultural Sciences and Tursunzadev District Agricultural Department.research and development, development, replication, implementation and commercial use of domestic and foreign high-performance technologies, equipment, machinery and materials;	Intrested in highly effective technologies	3	Medium to High	2.5	High	2.5	2.67
Little Earth NGO (Маленькая Земля)	https://littleearth.tilda.ws/	Many years of experience in small-scale projects to develop renewable energy, energy efficiency and the introduction of resource-saving technologies and practices to adapt to climate change at the local community level.	High interest in resource efficient tech	3	Medium expertise in SCP, more on humanitarian rather than business sphere	2	Low to no influence	0.5	1.8
Civic Initiatives Support Fund (CISF, Dastgiri Centre)	www.fsci.tj	Services: Information-consulting-expertise in the field of environmental protection, implementation of various ecological initiatives targeted towards environment protection, green economy, sustainable development, waste management and chemical safety, integrated management of water resources , creation and realization of the program of natural resources management. Target group: Authorities, local communities, women, NGOs	High to medium interest in SCP	2.5	Medium expertise on SCP	2	High influence due to the potential involvement of their target group	3	2.50
Hilfswerk	https://www.hilfswerk.tj/ http://ca-network.org/	Project: CANDY V (since 2020) / Regional Integration and Capacity Building to Boost Competitiveness of MSMEs in Agrobusiness and Trade Promotion in Central Asia (EU Program: Central Asia Invest V) Capacity building of food production, processing MSMEs in commercial quality standards, food safety and traceability, product promotion (marketing tools such as ecolabelling and GI), clustering and knowledge management. Enhanced BPO support programme - specialised and integrated services for export-oriented SMEs in the agro-processing sector".	High interest in REAP project due to overlapping work interest with MSMEs and clusters, but are not working on technologies	2.5	No expertise in SCP	0	High influence due to similar project stakeholder group and networks established	3	1.8333333

<p>ACTED Tajikistan</p>	<p>https://www.acted.org/en/countries/tajikistan/</p>	<p>Project: Central Asia Water, Environment and Climate Change Cooperation (WECOOP III) Capacity building - workshops with International Financial Institutions (IFIs) to identify and develop green investment projects in relevant sectors with the aim of contributing to measurable reductions in man-made pollution, including CO2 emissions Results: Environment friendly infrastructure investments contributing to measurable reduction in man-made pollution are identified, developed and submitted to IFIs for consideration</p>	<p>Medium to high interest due to the target of reduction of CO2 emissions and work with Financial institutions</p>	<p>2.5</p>	<p>Expertise in work with financial institutions and incline to green technologies promotion</p>	<p>2</p>	<p>Medium to high influence through Financial institutions capacity development</p>	<p>2.5</p>	<p>2.33</p>
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Consultancies

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
LLC DALERON Development Group	http://daleron.org/	Analysis and assessment of the market for the introduction of new technologies for the development of business processes Function as a intermediary between enterprises and investors, provide support in investment project preparation (business plan defense) investment attracting investment in Tajikistan and Uzbekistan	No specific interest in SCP, targeted at investments in general	1	Low to no expertise in SCP technologies	0.5	Medium influence to their own potential and existing vclients	2	1.17
Independent Agency for Strategic Agricultural Research and Planning (Независимое агентство стратегических исследований и планирования АПК)	https://consulting.tj/info/nasip-apk/contact/	Research and development, replication, implementation and commercial use of domestic and foreign high-performance technologies, equipment, machinery and materials;	High interest in SCP	3	High expertise in SCP due to research on high-performance tech	3	Medium influence through advice to government	2	2.67
ООО «Act Development Group»	http://act-dg.com/ https://consulting.tj/info/act-dg/contact/	Primary focus is on structuring technical, analytical and financial solutions for projects. Provides services with expertise to national and international partners in the following areas: marketing and export promotion, business project development (including strategic and business planning) and conducting of research and surveys , in various priority sectors, particularly in agricultural and agro-processing sector , textile and clothing, as well as renewable energy sources . The primary focus is on structuring technical, analytical and financial solutions for projects.	High interest in SCP	3	Medium expertise, not clear if resource efficient tech is also a priority	2	Low influence	1	2.00
Agricultural Training and Advisory Center	https://consulting.tj/info/mmk-atac/	Specialised in providing agricultural consultancy to farmers and people in rural areas engaged in agriculture and rural business. We provide both individual and group counselling. To carry out various experiments, research, development of innovations in the demonstration fields and disseminate the results among the farmers Actively participate in the creation of a unified advisory system throughout Tajikistan	No interest in SCP in agro-production, target group are farmers	0	No expertise in SCP in agro-production	0	Low to no influence	0.5	0.17

<p>Public organisation Zarzamin Association of Professional Agricultural Consultants</p>		<p>Research in the fields of agriculture, agribusiness, rural finance and rural development</p> <ul style="list-style-type: none"> - Design and implementation of training and workshops for farmers and processors on traditional and innovative aspects of agricultural production and management, processing, storage and marketing of agricultural products, pest and disease control - Training and information dissemination on land reform and dehkan farms - Development of training materials, publications and PR materials - Organisational development and management training - Formation of farmers' groups for production and processing of agricultural products, as well as provision of training and mediation services and advice on linking farmers to processors and trading companies 	<p>Medium to low interest in SCP, no resource efficiency etc. is specified</p>	<p>1.5</p>	<p>Medium to low expertise in SCP</p>	<p>1.5</p>	<p>Low to medium influence depending on existing possibilities for synergies with REAP</p>	<p>1.5</p>	<p>1.50</p>
<p>CAIConsulting Central Asia International Consulting Company</p>	<p>http://www.caiconsulting.org/sectors/agro/ https://consulting.tj/info/caiconsulting/</p>	<p>Development of agricultural advisory services Consulting services in business&strategy planning, marketing, finance, Electricity metering and power lines; Infrastructure for water supply, solid waste management, energy, transport</p>	<p>Medium Interes in SCP due to focus on different aspects</p>	<p>2</p>	<p>Medium expertise in SCP</p>	<p>2</p>	<p>Low to medium influence</p>	<p>1.5</p>	<p>1.83</p>

Academia

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Tajik National University	https://tnu.tj/	Bachelor Programs: Production management Environmental engineering Automated production technology Power systems and networks; Power supply (by sectors) Non-traditional renewable energy sources	High interest in technologies, could be as well high in clean tech	3	Medium to low expertise in SCP in agro-production	1.5	Low influence to MSMEs	1	1.83
TAJIK AGRARIAN UNIVERSITY NAMED BY SHIRINSHOKH SHOTEMUR	http://www.tajagroun.tj/	Programs: - Fruit and vegetable storage and processing technology (Agrobusiness Faculty) - Technology for storage and processing of agricultural products - economist (Agrobusiness Faculty) - Technical support of storage and processing of livestock products (Zoienginery Faculty) - "Technical support of agricultural production processes" (Agricultural mechanisation Faculty), - "Electrification and automation of agriculture" (Agricultural mechanization Faculty), - "Technical support of mechanical processes and processing of agricultural products" - "Organization and technology of maintenance", - "Safety of technological process and production"	High interest in SCP technology in agro-production	3	Medium expertise in SCP	2	Low influence to MSMEs	1	2.00
Tajik Technological University (the Faculty of Engineering and Technology)	https://tut.tj/	Programs: - Machines and equipment for food production - Food storage and processing technology - Meat and meat products technology - Milk and dairy products technology - Production and organization of public catering	High interest in SCP technology in agro-production	3	Medium to (high?) expertise in clean tech in production	2.5	Low influence to MSMEs	1	2.17
Dangara State University	http://dsu.tj/	Programs: Food storage and processing technology Technologist-economist-manager Metrology, standardisation and certification (food industry) Technical support for storage and processing of agricultural products Production Management	Medium interest in SCP, since only one relevant program exists	2	Medium expertise in SCP	2	Low influence to MSMEs	1	1.67

Khorog State University	http://www.khogu.tj/index.php/tj/	Programs: Hydromelioration Hydro-technical installations	Medium interest in SCP, since only one relevant program exists	2	Medium expertise in estimated flow rates and water levels	2	Low influence to MSMEs	1	1.67
Tajik Institute of Entrepreneurship and Service	https://dsx.tj/ru/	Programs: Financial service and customs, Entrepreneurship and business, Accounting and tourism	Low or no interest in SCP as it is focusing more in business development	1	No expertise	0	High influence in Entrepreneurship and business	3	1.33
Center of Training and development of Microfinance Organisations of Tajikistan	http://amfot.tj https://consulting.tj/info http://www.amfot.tj	Provision of highly qualified education, research and other services to the microfinance sector ; Developing and improving the professional skills and qualifications of the staff of microfinance institutions and commercial banks; Development of microfinance services through the introduction of innovative products and technologies in Tajikistan's financial institutions.	Might have medium to low interest in SCP but high in engagement with a new educational programs for FI	2.5	No expertise in SCP but possess expertise in services to MFI	0	High impact to MSMEs through educational services to potential Financial institutions to be involved in the project	3	1.83

Technology Suppliers

Technology solution	Organisation	Website Link	Relevance level	# of product varieties offered	Top Ranking suppliers			
					Organization	Amount of offered product groups	Relevance	Information
LED lighting	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11	BIZON - Online store of goods for construction and repair	11	High	Shop
	TEKSAN - Tajikistan		Low	1	SOMON.TJ - Online internet store	10	High	Online sales platform
	"Romsar"	www.romsar.tj	Medium	3	GreenFinance	5	High	Project collaborating with banks: Imon, Arvand, Association of Microfinance Organizations of Tajikistan and Humo Bank
Polycarbonate sheet	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11	"Romsar"	3	Medium	production and distribution organization
	SOMON.TJ - Online internet store	www.somon.tj	High	10	Technoshop "VOLNA"	3	Medium	Official retailer of the leading global manufacturers
	PRO-STROY	www.pro-stroy.tj	Low	1	"Avrang" Shop	3	Medium	official retailer of household appliances and small appliances
Lighting Motion sensor	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11				
	SOMON.TJ - Online internet store	www.somon.tj	High	10				
	TEXNO.TJ - Online internet store	www.texno.tj	Low	1				
	MI-STORE - Online internet store	www.xiaomi-mi.tj	Low	1				
Insulation material (for hot surface insulation such as ceramic blanket, mineral wool, glass wool etc)	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11				
	SOMON.TJ - Online internet store	www.somon.tj	High	10				
	Metall Profil	www.metallprofil.tj	Low	1				

Insulation material (for Cold surface insulation such as Polyurethane foam (PUF), Rubber Foam, sandwich PUF etc)	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	Bronya	www.nano34.ru	Low	1
	JV Group	https://jvgroup.tj/	High	5
	LLC 'Knauf Marketing' Dushanbe	www.knauf.tj	Low	1
	LLC "NURPANEL"	www.nurpanel.tj	Low	2
	"Romsar"	www.romsar.tj	Medium	3
Cold storage Sealants/rubber gaskets	LLC "NURPANEL"	www.nurpanel.tj	Low	2
	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	SOMON.TJ - Online internet store	www.somon.tj	High	10
Polyurethane / Polyvinyl chloride curtains	TEOHIM LLC	www.teohim.tj	Low	1
	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	SOMON.TJ - Online internet store	www.somon.tj	High	10
HEPA Filters	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	SOMON.TJ - Online internet store	www.somon.tj	High	10
Energy Efficient (IE3/IE4) Motor and Pump	Grundfos Tajikistan	www.grundfos.com	Low	1
	Arzon TJ	https://arzon.tj/	High	5
	TOO "W I L O Central Asia"	www.wilo.kz	Low	1
	LLC 'Sharshara'	www.sharshara.tj	Low	2
	LLC 'Aratan'	www.aratan-pumps.com	Low	1
	LLC 'Vatsal'	http://vatsal.tj/	Low	1
	GreenFinance	www.greenfinance.tj	High	5
BLDC/EC Fans for (AHU/FCU/ceiling fans)	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	SOMON.TJ - Online internet store	www.somon.tj	High	10

Energy Efficient chillers	Alibaba	https://russian.alibaba.com/		
Energy Efficient Air-Compressor	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
	SOMON.TJ - Online internet store	www.somon.tj	High	10
Level based Drain Valve (for Compressed air compressor)	BIZON - Online store of goods for construction and repair	www.bizon.tj	High	11
Transvector Nozzle /air Nozzle (for compressed air use)	Alibaba	https://russian.alibaba.com/	High	more than 15
Variable frequency drive (Speed Drive)	Alibaba	https://russian.alibaba.com/	High	more than 15
Induction plates (commercial)	Technoshop "VOLNA"	volna.tj	Medium	3
	"Avrang" Shop	www.avrang.tj	Medium	3
	SOKHTMON.TJ	https://sokhtmon.tj/	High	
	SOMON.TJ - Online internet store	www.somon.tj	High	10
Shading/awning Provider	JYSK	www.iysk.tj	Low	1
	SOMON.TJ - Online internet store	www.somon.tj	High	10
Solar PV	OSC 'Systemaavtomatika'	www.systemavto.tj	Low	2
	LLC "Tobon"	www.tobon.tj	Low	2
	GreenFinance	www.greenfinance.tj	High	5
Solar Dryer	Alibaba	https://russian.alibaba.com/	High	more than 15
Solar water heater	OSC 'Systemaavtomatika'	www.systemavto.tj	Low	2
	LLC "Tobon"	www.tobon.tj	Low	2
	TAJK-POLISH JOINT VENTURE "SKORUT TAJ", LLC	http://fezsughd.tj/en/subjects/	Low	1
	GreenFinance	www.greenfinance.tj	High	5
Electrical water heater	Technoshop "VOLNA"	volna.tj	Medium	3
	"Samsung" Technoshop		Low	2
	"Avrang" Shop	www.avrang.tj	Medium	3
Boilers/ Solar collectors	PE Mavlavy	-	Low	1
	LLC "Abir"	-	Low	1
	LLC "Ultra"	www.ultra.tj	Low	1
	CJSC "Unitech"	www.unitech.tj	Low	1
	Yakhdon		Low	2

Cooling Systems	LLC "Zavod TerraFrigo"	www.terrafrigo.ru	Low	1
	LLC "Tajik Climate"	www.tajclim.tj	Low	1
	LLC "SK-Mir"	www.ck-mir.tj	Low	1
	LLC Sokhtmoni Bunyodkori Asr		Low	1
	LLC "Dali Corporation"	www.dali.tj	Low	1
	Aircon	www.aircongroup.ru	Low	1
Commercial Refrigerated Display Cabinets	"Samsung" Technoshop	volna.tj	Low	2
Domestic Air Conditioner Units	Technoshop "VOLNA"	volna.tj	High	10
	"Avrang" Shop	www.avrang.tj	High	10
	LLC "AVAS Engineering"	www.avas.tj	Low	1
Processing equipment	LLC Daleron Development Group	daleron.org	Low	1
	LLC 'Sharshara'	www.sharshara.tj	Low	2
Refurbishment of water distribution systems	"Romsar"	www.romsar.tj	Medium	3
	"Sozmon"	www.sozmon.tj	Low	1
Ventilation	GreenFinance	www.greenfinance.tj	High	5
Windows	"Romsar"	www.romsar.tj	high	16

National Financial Institutes

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSMEs		Final Score
			Description	Score	Description	Score	Description	Score	
Arvand Bank CJSC	https://www.arvand.tj/en/cl/loans/geff-tajikistan-project	GEFF Micro, small and medium enterprises operating in agriculture and food-related industries and services across the agricultural value chains such as production, agri-food industries, food and beverages processing, packaging, storage and transportation	high interest clean tech support in agro-processing	3	High expertise in clean technlgy	2.5	High influence due to many MSME schemes in their portfolio	3	2.83
Eskhata Bank OJSC	https://www.eskhata.com/or_entities/credit/credit_types.php#product-473	"Co-financing by Eskhata Bank jointly with the EBRD" (Risk Facility) Modernization of national economy production MSMEs in agricultural value chain (including production)	High interest due to cofinancing available	3	medium SCP focus	2	medim to high	2	2.33
Humo Micro Credit Deposit Organization CJSC	https://humo.tj/ru/personal/loans/start-biznes/	for the development of small and medium-sized enterprises as well as for the start up business (trade, production, processing, transport and services).	Medium interest because it has only big and medium ticket size schemes even though called Micro credit.	2	medium exenterprise in SCP related investment	1.5	Medium, because loans are mostly for women lead enterprises	1.5	1.67
IMON INTERNATIONAL Microcredit Deposit taking Organization	https://www.imon.tj/news/geff-tadzikistan-4	For MSMEs in agriculture including processing. Investments in: - Standard, pre-approved, high-performance, environmentally friendly technologies available from the online Green Technology Selector. - Positively evaluated integrated investment projects that result in energy, resource and water savings of at least 20% and have a positive impact on the environment.	Medium to high intrrest in SCP due to funding coming from GEFF	2.5	Medium to high expertise in green tech and SCP tech	2.5	Medium to high influence due to their investments target green technology sector too	2.5	2.50
International bank of Tajikstan	https://www.ibt.tj/forbusiness/bcredits/	Loans for business development. Mostly to increase cash flow or expand business	Low interest due to very generic schmese	1	Low exenterprise as well because of no specific investments in green or cleantech	1	Medium to Low if they adjust portfolio to target investments in green tech	1.5	1.17

<p>Spitamen Bank CJSC</p>	<p>https://www.spitamenbank.tj/ru/products/personal/credit/malomu-i-srednemu-biznesu/</p>	<p>for the development of small and medium-sized enterprises. Provides loan only to the private entrepreneurs, individuals and legal entities, citizens of the RT; For legal entities: To register movable and immovable property as collateral, they will be required to purchase insurance</p>	<p>Low interest because their ticket sizes are very high.</p>	<p>1</p>	<p>Low</p>	<p>1</p>	<p>Low impact due to portfolio of customers don't match with sector</p>	<p>1.5</p>	<p>1.17</p>
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International Financial Institutes

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSMEs		Final Score
			Description	Score	Description	Score	Description	Score	
GEFF	http://ebrdgeff.com/tajikistan/	- Agro-processing equipment (Investment grants (20-30%) from credits) - The EBRD's Trade Facilitation Programme (TFP) through its partner banks can provide the right financing instruments specifically for the import and distribution of green technologies	high interest clean tech support in agro-processing equipment	3	High expertise in clean technlgy	3	High influence due to the mechanism of clean tech aquisition financing for MSMEs	3	3.00
World Bank	https://projects.worldbank.org/en/projects-operations/project-detail/P132652	Agriculture Commercialization Project - Additional Financing support activities aimed at increasing the amount of credit line available for agribusinesses (better access to finances for MSMEs). Potential investments include: improved on-farm technology, storage, processing etc.	High interest due to coverage of improved on-farm technology and processing	3	Medium expertise in clean tech and SCP tech	2	High influence - wide beneficiary group	3	2.67
EBRD	https://www.ebrd.com/work-with-us/projects/psd/52720.html	- Arvand Bank - Financial Intermediary Framework-Central Asian Women in Business (FIF - CA WiB) for MSMEs lead by women - GCF GEFF Regional - investments in climate change mitigation and adaptation technologies (EBRD) focusing on promotion of renewable energy/energy efficiency/climate resilient technologies - The EBRD's Trade Facilitation Programme (TFP) through its partner banks can provide the right financing instruments specifically for the import and distribution of green technologies	High interest due to fact that they supports climate mitigation and adaptation technologies through resource efficient technologies	3	High expertise in green tech support financial mechanisms establishment and management	3	High influence due to support of green tech, climate mitigation, support of woman in business	3	3.00
KfW	https://www.kfw-entwicklungsbank.de/International-financing/KfW-Development-Bank/Local-presence/Asia/Tajikistan/	Worked with First microfinance Bank. helps other private microfinance institutions and banks to target their business at micro, small and medium-sized enterprises in rural areas and to finance the processing of agricultural products and the respective value chains.	Medium to high interest in SCP due to financial support of agricultural processing	2.5	Medium to high expertise in clean tech and SCP tech	2.5	Medium to high influence due to existing networks	2.5	2.50
IFC	https://www.ifc.org/wps/wcm/connect/ba3bb11d-32e848cb-85ea-b4971963636c/TJ+Factsheet_Eng.pdf?MOD=AJPERES&CVID=kyrWIEH	- Agribusiness and business environment financing project since 2012- 2016. For establishment of financing mechanisms for efficient technologies. Advisory services to financial institutions in order to build capacity for agri-leasing, and assists government agencies to implement reforms that benefit the agriculture sector (worked with Arvand Bank)	Medium to high interest in SCP due to financial support of agricultural processing	2.5	High expertise in provision of advisory services for agro leasing and efficient technologies	3	Medium to high influence due to involvement of only one bank (identified) which reduces beneficiary group size	2.5	2.67

<p>Aga Khan Development Network (incl. AKFED - Aga Khan Foundation of Economic Development)</p>	<p>www.akdn.org/ https://tj.accelerateprosperity.org/apply</p>	<p>AKF is an umbrella organization with different branches including economic development (AKFED) and founded the First Microfinance Bank of Tajikistan AKF - works on climate change adaptation as well Goal: improving financial inclusion and outreach, with a primary focus on serving SME clients. AKFED financial services companies are focusing on investing in technology infrastructure as a key tool to achieve the desired goal through alternative delivery channels for banking products. Worked on repair and extension of hydropower station in TJ Projects: - Accelerate Prosperity - provision of coaching and access to finances for entrepreneurs incl. agri-business (as a business incubator), might provide investments up to 50 000 USD. Industrial Promotion Services (IPS)</p>	<p>high interest in SCP with regard to financial support for agro-processing and food security for MSMEs</p>	<p>3</p>	<p>Medium expertise in clean tech and SCP tech</p>	<p>3</p>	<p>High influence due size and big portfolio and high potential for influence due to the size of the organization and varieties services in the agricultural sector and financing of SMEs in general</p>	<p>3</p>	<p>3.00</p>
<p>Green Climate Fund (GCF)</p>	<p>https://www.greenclimate.fund/countries/tajikistan</p>	<p>Readiness program (facility), aspects: access to funds and private sector. (target - eligible implementers and governments) Measures: - understanding GCF, coordination of climate finance - Building capacities to develop a pipeline of climate projects and attract investment; - Investment frameworks for adaptation and mitigation detailing financial needs to address climate change, and sources of funding - Training of Local Financial Institutions (LFIs) and private sector institutions, to effectively identify and evaluate proposals for climate finance. FP025 GCF-EBRD SEFF Co-financing Programme. Deliver climate finance to the private sector at scale through Partner Financial Institutions</p>	<p>High interest due to the main goal of the fund - greening, and funding of private sector</p>	<p>3</p>	<p>High expertise in cooperation with local Fis, green tech</p>	<p>3</p>	<p>High influence - big portfolio, high potential to influence</p>	<p>3</p>	<p>3.00</p>

<p>ADB</p>	<p>https://www.adb.org/search?keywords=tajikistan%20agriculture%20&page</p>	<p>The Asian Development Bank (ADB) has partnered with Tajikistan since 1998. ADB's investments in the country have emphasized diversifying the economic base and improving the investment climate to create jobs with higher incomes. ADB has helped Tajikistan to improve its transport, energy, and municipal infrastructure. The bank has also supported the upgrading of labor force skills and improvements to food security.</p> <p>ADB's efforts and strategy for achieving food security in the region emphasise the integration of agricultural productivity, market connectivity and resilience to shocks and the impacts of climate change as the three pillars for achieving sustainable food security.</p> <p>Projects implemented by ABD in Tajikistan:</p> <ol style="list-style-type: none"> 1. Irrigation rehabilitation project 2. Preparation of a farm debt settlement programme 3. Sustainable cotton sub-sector project 4. Support for monitoring of policy reforms and improved agricultural and water management 	<p>Medium or high interest in SCP due to financial support for agro-processing and 4 sustainable water consumption in the country</p>	<p>2.5</p>	<p>Medium low expertise in SCP practice</p>	<p>2</p>	<p>High influence - wide beneficiary group</p>	<p>3</p>	<p>2.50</p>
<p>FAO Tajikistan</p>	<p>http://www.fao.org/in-action/fsn-caucasus-asia/activities/national/tajikistan/ru/ http://www.fao.org/in-action/fsn-caucasus-asia/areas-of-work/migration/ru/</p>	<p>The FAO "Agrarian Reform Programme of the Republic of Tajikistan" for the period 2012-2020 was an important step to address low agricultural productivity in Tajikistan and its activities in Tajikistan, are closely aligned with national development strategies and focus in particular on implementation of the Agrarian Reform Programme. FAO has assisted farmers, processors and government institutions in obtaining technical and managerial support to promote inclusive, efficient and sustainable agricultural value chains that are nutrition-sensitive. Now implements in Tajikistan.</p>	<p>Medium interest, no focus on clean agricultural technologies</p>	<p>1.5</p>	<p>Low to no expertise on SCP</p>	<p>1</p>	<p>Medium influence</p>	<p>2</p>	<p>1.50</p>

National Governmental Organizations

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Ministry of Agriculture of the Republic of Tajikistan	https://www.moa.tj/	common national agricultural policy	Interest in efficient production and decreasing losses in it	2	Medium expertise in SCP (awareness raising might be needed for promotion of SCP), High experience in cluster	2	Medium to high influence due to possibility to develop strategies and constraining/motivative mechanisms	2	2.00
Consultative Council on Improvement of Investment Climate under the President of the RT	www.http://investmentscouncil.tj	Development and preparation of recommendations for government and authorities for improvement of investment climate and business environment recommendations on state administration reforms Council members: President of RT, prime minister, chair of state committee on investments, international donor organizations, international investors, etc.	Medium to high potential interest	2.5	Low expertise in SCP but high in development of recommendations to government for reform, could be very beneficial to SCP promotion on national level	2	High influence to MSMEs since can develop investment programs and make suggestions to government	3	2.50
Ministry of Industry and New Technologies of the RT		Industrial policy related to mining, metallurgical industry, machinery, cement, lighting, food processing , and coal industries	Interest in efficient production	3	Medium expertise in SCP (awareness raising might be needed for promotion of SCP on national level)	2	High influence to MSMEs since can develop national development programs on new technologies in agriculture	3	2.67
Ministry of the Economic Development and Trade of the RT	www.medt.tj	Developing and implementing economic development programmes and strategies	Low to medium interest in SCP technologies due to other priorities	1.5	Low to no expertise in SCP technologies	0.5	Medium to high influence due to possibility to develop strategies and constraining/motivative mechanisms	2.5	1.50
Food Security Committee under the Government of the RT	www.cfs.tj	In phytosanitary and plant quarantine: - control of all agricultural machinery, equipment and techniques, seeds, plants and other plant products imported or exported from abroad and transport - control of plant and seeds quarantine	Low interest in clean tech due to other priorities	1	Low expertise in SCP and clean tech	1	Might be relevant regarding import of machinery	3	1.67

Agency for Standardization, Metrology, Certification and Trade Inspection under the Government of the RT (TAJIKSTANDART)	http://www.standard.tj	Impose technical regulations on production incl. fruit and/or vegetable juice products	Low interest due to focus on standartisation. Nevertheless could be also medium	1	Low to no expertise on SCP	0.5	Low to no influence to MSMEs, since not clear if producing MSMEs are obliged to be certified by the agency	0.5	0.67
Center for Support and Development of Entrepreneurship in Dushanbe	https://polit-asia.kz/v-tadzhikistane-pri-podderzhke-oon-otkrylsya-czentr-podderzhki-predprinimatelstva/	Creating an accessible, enabling business environment and advisory services to accelerate business development in the areas of manufacturing and innovation, science and technology, agriculture and food processing, construction, transport, communications, banking, accounting, auditing, insurance.	Might have medium to high interest in SCP	2.5	Low to no expertise in SCP technologies	0.5	Not enough info		1.50
State institution on Enterprise Development in Agriculture	http://pmutacp.tj/ru/index.php	The State Institution "Development of Entrepreneurship in Agriculture" (hereinafter - the Institution) is an independent specialized structure that coordinates and manages funds in accordance with the Grant Agreement between the Republic of Tajikistan and the World Bank for the implementation of the Agricultural Commercialization Project. Projects: Agricultural Sector Commercialisation Project (ASCP or Project) is an International Development Association (IDA) grant worth a total of USD 22 million Improving access to finance for investment & Capacity building for farmers, traders, agribusinesses and agro-processors (agro-processing enterprises). Potential investments include: improved on-farm technology, storage, processing , new products, marketing, improved food quality and safety	Might have medium to high interest in SCP	2.5	Low to medium expertise in SCP	1.5	Might have medium to high influence to MSMEs since they are aimed at supporting them (incl. Availability of financial instruments)	2.5	2.17
Committee on Environmental Protection under the Government of the Republic of Tajikistan	http://tajnature.tj/?page_id=439&lang=en	Coordinate and manage climate finance on national level Implementation of environmental policy in the field of environmental protection, control over the rational use of natural resources, flora and fauna, water resources etc.	Medium to high interest in clean tech	2.5	Low to medium expertise in SCP	1.5	High influence due to the possibility to propose governmental strategies, programs and regulations on climate and resources use and elaboration of investment plans	3	2.33

Ministry of Energy and water resources	https://www.mewr.tj/?page_id=2	Implementing policies on energy and water resources, including licensing and regulation of renewable energy sources	Medium to high interest in clean tech	2.5	Low to medium expertise in SCP	1.5	High influence due to potential to recommend national policies on energy savnign technologies but might be constraining mechanisms would not be an option	3	2.33
Inter-agency working group on the formation / development of clusters	https://agroinform.sia/2021/01/04/formirovanie-i-razvitie-agropromyishlennyyh-klasterov/	Might function based on the concept for cluster development in Tajikistan till 2040. Might be a good source of information on clusters, their current status for REAP project	Low interest in SCP since the main interest is in support of development of clusters	1	No expertise in SCP technologies	0	No interest in SCP, High interest in cluster development	0	0.33

International Development Organizations

Organisation	Information Source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
European Union	https://www.eeas.europa.eu/delegations/tajikistan_en	Several projects in different development sectors including climate change mitigation and adaptation, cleantech financing & also special focus projects on Agri-food processing and production	High	3	High	3	Medium-high	2.5	2.83
UNDP Tajikistan	https://www.tj.undp.org/content/tajikistan/en/en/home/projects/risk-reduction-and-resilience-projects/ongoing-projects/Building-climate-resilience-in-agriculture-and-water-sectors-of-rural-tajikistan.html	<p>Projects:</p> <ul style="list-style-type: none"> - Strengthening Communities in Khatlon region and Rasht Valley 2020-2022 (microcredit funds for launching small economic projects and Small innovation Fund to support local value chains for production, processing and sale of local green products; Invest in refrigerated storage facilities at the community level) - Youth for Business and Innovation 2019-2021 June (Russian Federation-UNDP Trust Fund) , provision of grants for youth start-ups in IT, tourism, green technologies, etc. - Building Climate Resilience in Agriculture and Water Sectors of Rural Tajikistan (BCRinAW) April 2019 - February 2022 - facilitate access to funding opportunities through existing “green” credit programs at the community-based level and new investment packages - Aid for Trade for Central Asia (Phase IV), Tajikistan, Kyrgyzstan and Uzbekistan July 2018 – December 2023 (tools-microfinance, main focus - green production (clean), Resource efficiency) 	High interest due to support of agriculture, climate change mitigation and green production	3	High expertise in microfinance tools development and green-tech	3	High influence due to existing 3 projects and that cover aspects of REAP project and SCP but might be in cooperation between UNDP projects impact would be higher	3	3.00

GIZ Tajikistan	https://www.giz.de/de/downloads/TRIGGER%20II%20factsheet%2026%2005%202019%20EN.pdf	<p>Projects:</p> <p>- Promoting inclusive economic growth in Tajikistan 2019-2021 focuses on agriculture, including processing and marketing agricultural products (training and advice)</p> <p>- Towards Rural Inclusive Growth and Economic Resilience TRIGGER II 01.01.2019 – 31.12.2021. The project aims to improve links between different market actors (e.g. producer groups and processing companies) - develoPPP is a funding programme of BMZ. It is aimed at companies that want to invest sustainably in a developing or emerging country and expand their local operations. Technical and financial support of up to 2 million euros for suitable projects.</p>	Medium to High interest, not clear if clean tech is one of priorities	2.5	Medium expertise in clean tech and SCP tech	2	Medium influence due to networks and possibility of inclusion of SCP into their agenda which could be promoted by REAP project	2	2.17
Winrock International	https://www.winrock.org/	<p>Project: Agribusiness Competitiveness Activity in Tajikistan (ACAT) 2018-01.2023, implemented by USAID.</p> <p>Working to increase the competitiveness, inclusiveness and resilience of the country's market systems, especially in the dairy and horticulture sectors.</p>	Medium to high interest due to wom in dairy farming	2.5	Low expertise on SCP	1	Medium to high influence to MSMEs they were working with or potentially will be working with	2.5	2.00
USAID	https://www.usaid.gov/ru/tajikistan https://www.usaid.gov/tajikistan/factsheets/usaaid-agribusiness-competitiveness-activity-tajikistan https://www.usaid.gov/tajikistan/economic-growth-and-trade	<p>Project:</p> <p>AGRIBUSINESS COMPETITIVENESS ACTIVITY IN TAJIKISTAN July 2018 – June 2023 - horticulture and dairy value chains, Technical Assistance and Partnership and Innovation Fund (grants, access to finance)</p> <p>Feed the Future project (Law of the Republic of Tajikistan "On Dehkan Farm"- greater security by property rights and possibility to create associations)</p> <p>Direction: Economic growth and trade (Demand-driven assistance to agricultural associations, cooperatives, market integrators and small and medium-sized enterprises)</p> <p>THE FARMER-TO-FARMER - EUROPE CAUCASUS</p>	High interest because of work in horticulture, dairy production, while access to finance is a component of the project. Also many companies who have joined the REAP project have equipment purchased by the USAID	3	Medium expertise in SCP	3	High impact due to an active group of beneficiaries - the PPM approach can be extended to them	3	3.00
ACD/VOCA - economic development organization	https://www.acdivoca.org/2020/04/acdivoca-launches-central-asia-impact-fund-for-small-and-growing-businesses/	<p>Central Asian impact fund launched for small and medium businesses (incl. investments in food and agriculture sectors) through AV frontiers investment management firm - subsidiary of ACD/VOCA (Bishkek). Companies have to have contribution to Climate SDG among others . Loans to SMEs will be provided</p> <p>Target - smallholder farms</p>	Medium interest, have gender aspect in their work and support agriculture	2	Low expertise in SCP	1	Medium influence due the potential beneficiaries	2	1.67

ANNEX 2

Stakeholders Scoring - UZBEKISTAN

Scores in below tables are between 0 to 3. 0 being lowest 3 being highest. Scoring is purely based on the desk research.

Associations									
Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Association of Exporters of Uzbekistan	https://expportuz.com/	- Training programs, trainings and seminars, also provided by leading international experts - Exhibitions, fairs, presentations, conferences, business forums, cooperation exchanges in the Republic of Uzbekistan and abroad - Support of association members in international relationships	Might have medium interest since association is aimed at export potential and SCP could serve as additional advantage for marketing	2	Low expertise on SCP technologies	1	Medium influence - ca influence association members	2	1.67
Association of Oil and Fat Products	https://yoqmov.uz/ru	80 association members. Not much information on the activities and services.	Might have medium to high interest due to potential interest of association members (high number)	2.5	Low to medium expertise	1.5	Medium influence, but high number of members, therefore influence might be high	1	1.67
Association of Agribusiness of Uzbekistan	https://agrobusiness.uz/	- Assistance in the introduction of new technologies - Assistance in attracting and implementing donor projects aimed at agribusiness development - Help to improve the competence of managers, professionals, farmers and entrepreneurs in agribusiness	High interest due to the service as assistance in introduction of new technologies and donor projects	3	High expertise in new technologies, which are likely resource efficient	2	Might have high influence due to the targeted work (agrobusiness and new technologies)	3	2.67
"Agromir Group" Association	http://www.agromir.uz/ru/	Group of enterprises for the development, production and distribution of healthy food products on a fruit and vegetable basis. Educational and motivational programs for employees	Might have medium to high interest due to potential interest of association members	1.5	Medium to Low expertise on SCP	1.5	Might have medium to high influence on association members	2.5	1.83
Association of business women of Uzbekistan "Tadbirkor Ayol" regions: - Bukhara, - Tashkent, - Fergana	https://www.adju.uz/contacts https://www.goldenpages.uz/ru/ubrics/?id=4150	Umbrella Association of business woman of Uzbekistan associations Enhancing and protecting women's economic, social rights, supporting their entrepreneurial and community initiatives, and helping them to make use of financial and information resources. -Introducing innovative educational programmes, -family business, start up support (for Mentor-student type of business) - support of established businesswoman	Low to medium interest. Support entrepreneurial initiatives	1	Low to no expertise. Technologies are not addressed particularly in their work	0	Low to medium influence, may influence at least through the goal of support of established businesswoman	1.5	0.83
Managers Association of Uzbekistan	https://www.facebook.com/Uzbekistan-Managers-Association-744847955633640/?ref=page_internal	A professional association of managers of leading companies in Uzbekistan	Low to medium interest, since members are managers of leading companies, interest might be there	1.5	No expertise on SCP	0	High influence since members are managers supposingly are decision-makers that could adopt SCP technologies in their	3	1.50
Uzbek Food Reserves Association "Yzbekozikowkatzahira"	http://uzsavdo.uz/?q=ru/about	-The accumulation of domestically produced foodstuffs, especially fresh fruit and vegetables, grapes and gourds, and the organisation of their exports; - Implementation of measures for the reliable and uninterrupted supply of socially important foodstuffs to the retail network, especially in rural, remote and hard-to-reach settlements; - Ensuring the construction, reconstruction and modernization of specialized warehouses for finished food products and fresh fruit	Might have high interest in reduction of energy consumption e.g. in storing warehouses,	3	Medium to Low expertise on SCP	1	The members are big and state companies, that do not suit the project requirements	1	1.67

National association of non-governmental non-profit organizations of Uzbekistan NANNOUz	http://ngo.uz/old/index.php/en	<ul style="list-style-type: none"> - Cooperation of NGOs with public authorities, commercial and other public organizations, international institutes - mobilization of institutional and financial resources for implementation the projects of NGOs in economic, social and cultural life of the community - enhance the professional knowledge of NGO activists - Organizes: conferences, seminars, roundtables and forums for discussing the development of democratic institutions, law and civil society, development of proposals and recommendations for 	Might have medium to low interest	1.5	No expertise on SCP	0	Medium to low influence on MSMEs, but could provide contacts of NGOs that might support the project technically	1.5	1.00
Ecoforum Uzbekistan	http://www.ecoforum.uz/	Support the most significant networks of environmental and ecologically-oriented civil society organisations along with NANNOUz. At least 29 NGOs are the members of the forum	Medium to low interest specifically in SCP technologies but indirectly could be in eco	1.5	Low to no expertise on SCP	0.5	Medium influence - ca influence eco NGOs	2	1.33

Large Industries / Companies

Organisation	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
		Description	Score	Description	Score	Description	Score	
JSC "Uzdonmahsulot"	<p>Functions:</p> <ul style="list-style-type: none"> - Purchase, placement and storage of grain and seeds for state needs in accordance with decrees of the Government of the Republic of Uzbekistan - Organization of Production of flour, cereals, fodder, as well as the production of bread, pasta and confectionery <p>The governing body of the company is the Cabinet of Ministers of the Republic of Uzbekistan. 43 grain enterprises and their branches are members of this entity</p>	Might be medium interest in SCP	2	Low to medium expertise, since re-equipment of grain enterprises is among their services	1.5	Medium influence	2	1.83
«Buxorodonmahsulotlari» JSC	Production and sale of flour; combined fodder (feed); bran; seed grain.	Low to medium interest	1.5	Low expertise	1	No influence	0	0.83
JSC "Korakuldonmahsulotlari"	Production and sales :flour, combined fodder	Low to medium interest	1.5	Low expertise	1	No influence	0	0.83
JSC "Fargonadonmahsulotlari"	Production and sale of premium, first and second grade flour, combined fodder, seed	Low to medium interest	1.5	Low expertise	1	No influence	0	0.83
JSC "Bagdod Don Mahsulotlari"	Flour, combined fodder	Low to medium interest	1.5	Low expertise	1	No influence	0	0.83
JSC "Toshkentdonmahsulotlari"	Production: Cream of Wheat, Flour (premium and First Grade), Wheat grits, Wheat bran, Feed mix, granulated Cereals, Formed bread	Low to medium interest	1.5	Low expertise	1	No influence	0	0.83
JSC "Ohangarondon"	Production and sale of flour, combined fodder, conditional seeds, pasta, bakery and confectionery products; storage, re-processing, sale of grain products-wholesale, retail, commercial, intermediary activities;	Medium to high interest due to technological production processes	2.5	Low to medium expertise	1.5	Low influence	1	1.67
LLC "Agromir-Bukhara" (Agromir Group)	Tomato paste and fruit purée production facility, steam plant, water facilities, transformer substation, storage facilities AGROMIR GROUP produces: Fruit-based healthy foods: natural juices and nectars, juice concentrates, fruit and vegetable pastes and purees, grape and wine products, canned fruit and vegetables.	Medium to high interest due to technological production processes	2.5	Medium to low expertise	1.5	Low influence	1	1.67
LLC "Agromir-Zarkent" (Agromir Group)	Wine production	Medium to high interest due to technological production processes	2.5	Medium to low expertise	1.5	Low influence	1	1.67

LLC "Gazalkent Meva" (Agromir Group)	Production of vegetable caviar, marinades, concentrated juices, jams, marmalades, tomato paste.	Medium to high interest due to technological production processes	2.5	Medium to low expertise	1.5	Low influence	1	1.67
LLC "Greenup Trading" (Agromir group)	Organisation of distribution, logistics and marketing services.	No interest, are focused on sales (logistics and marketing)	0	No expertise	0	No influence	0	0.00
LLC «Real Trans Logistics»	Cargo and other transport logistics services	No interest, are focused on logistics	0	No expertise	0	No influence	0	0.00
LLC «Ferghana France»	Cultivation, intake and processing of grapes, production of wine materials for export, and bottling of finished products. The company is a direct producer of wine materials and fruit and berry products	Medium to high interest due to technological production processes	2.5	N/I		Medium to low in	1.5	2.00
LLC TNA Agroinvest	Dried vegetables and fruits	Medium interest, not clear what tech is used	2	Medium to low expertise	1.5	Low influence	1	1.50
Gold dried Fruits Agroholding	Part of Orient - Group of Companies Process, sort and export fruit and vegetables, and to dried and frozen fruit and vegetables	Medium to high interest due to technological production processes	2.5	Medium to low expertise	1.5	Low influence	1	1.67
LLC TCT Cluster	Fish cultivation and fish seeds, Processing of raw rice, cereals and storage	Medium interest	2	Medium to low expertise	1.5	Low influence	1	1.50
Holding of Food Industry Producers of Uzbekistan ("Uzbekoziqovqat Holding")	In 2020 presidential decree was released on liquidation of the Holding and seems as instead the creation of a self-governing organization in the food industry will be established. Not enough information							No info
LLC "OlmalikGushtSutSavdo"	Wholesale, purchase and storage of horticulture products.							No Info
LLC "Yangiyululgurjisavdobaza"	Wholesale, purchase and storage of horticulture products. No enough information							No Info
LLC "Bakaleya"	Wholesale business. No enough information							No Info
LLC "Bukhorozikovkat"	N/I (wrong webpage address) No information							No Info

LLC "Rishtonsavdoinvest"	Preparation, storage, calibration of fresh fruits and vegetables, trade bases for sorting, freezing storage areas (Not enough info, it is from the general list of presidential decree) https://lex.uz/docs/-2930268?ONDATE=01.05.2021							No Info
LLC "Kirgulisavdo"	Preparation, storage, calibration of fresh fruits and vegetables, trade bases for sorting, freezing storage areas (Not enough info, it is from the general list of presidential decree) https://lex.uz/docs/-2930268?ONDATE=01.05.2021							No Info
LLC «Havdo Group»	Not enough information							No Info

NGOs

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Center of Agro Information-Innovation of Uzbekistan		<p>Providing information and advice to entrepreneurs and farmers in the fields of management, marketing and other areas, creating innovative projects and technical assistance projects, promoting research,</p> <p>- Publishing manuals, books and business directories, including information on our country's producers, their products and investment opportunities, as well as on acquiring future partners and new technologies,</p> <p>- Participation in elaboration of concepts on introduction of new equipment and technologies, innovative projects in business and farms, and their implementation in the activities of business entities</p> <p>- Trainings involving local and international experts, as well as the development of links in the economic and social sphere between representatives of production and scientific institutions and organizations</p>	High to medium, since they are interested in new technologies	2.5	Medium expertise in SCP (have experience in new tech, but not clear whether clean tech is also covered)		High influence, can be an information hub and integrate SCP in their investment projects profile	2	2.25
The International Organization for Ecology and Health ("Ecosan")	https://top.uz/company/ekosan-nno-ecosan-nno	<p>Organization of international conferences, meetings, seminars, symposiums on topical issues of ecology and public health protection;</p> <p>- Organization of international missions to study and take joint measures to improve the socio-environmental situation in environmentally crisis regions;</p> <p>- introduction of economic management methods in environmental protection activities, greening of business;</p> <p>- liaising with international organisations, financial institutions and foreign companies on humanitarian cooperation;</p> <p>- to assist in uniting efforts of governmental and non-governmental institutions, international organizations, scientists, specialists for comprehensive study of topical environmental problems, determination of priority directions of their research and development of scientific concepts;</p> <p>- to participate in the formulation of scientifically based environmental policy in Central Asia</p>	Low to no interest in SCP but rather on general eco policy	0.5	No expertise in SCP	0	Low to medium influence can reach out public	1.5	0.67

NGO «Logos» Environmental conservation organization	http://sreda.uz/rubriki/ngo/oggos/	Activities are aimed at involving the public in environmental and socio-economic issues and conducting research on environmental, economic, social and legal topics. The statute includes monitoring of legislation on nature protection and environmental law, social protection of the population, and development of recommendations on the solution of specific environmental, economic and legal problems.	Low to no interest in SCP but rather on legal framework	0.5	No expertise in SCP	0	Low influence	1	0.50
NGO "Jonly tabiat"	https://unions.uz/org/view?id=32	Assisting local authorities, NGOs and businesses in the Independent State to improve the state of the environment, natural resources and to promote environmental activities	No interest in SCP specifically	0	No expertise in SCP	0	Low influence	1	0.33
NGO «EKOMAKTAB»,	http://www.ekomaktab.uz/ru/ https://knowledge.unccd.int/kss/ecological-resource-center-ekomaktab	Ecological resource center Topics: biodiversity, forests, environmental education	No interest in SCP, different focus	0	No expertise in SCP	0	No influence	0	0.00
Cleantech Latvia in Uzbekistan (cluster of clean tech technologies) - maybe should go to clusters group or technology provider	https://cleantechlatvia.com/ru/	Include more than 30 technology, equipment and project solution providers for areas such as Engineering and technical supervision; Water supply and wastewater management; Waste management, including hazardous waste;Energy;RES; Development of new regulatory frameworks	High interest in SCP, due to specification of the NGO	3	High expertise	3	Medium to high influence to SCP since can provide technologies	2.5	2.83
CAREC Uzbekistan	https://carececo.org/	Relevant programs: - Education for Sustainable Development (ESD) - promoting the goals and principles of sustainable development in formal education and non-formal learning in Central Asia. - Climate Change and Sustainable Energy (CCSE) - Supporting Central Asian countries in formulating and developing their national climate change policies using the principles of low-carbon economy, energy efficiency and promotion of renewable energy.	High interest in SCP	3	Medium to high expertise	2.5	High influence	3	2.83
ACTED Uzbekistan	https://www.acted.org/en/countries/uzbekistan/	Central Asia Water, Environment and Climate Change Cooperation (WECOOP III) Capacity building - workshops with International Financial Institutions (IFIs) to identify and develop green investment projects (not being limited by corporate selection)	High interest - performs capacity building green investment projects	3.00	High expertise due to the program interests	3.00	Medium to high influence, capacity building for green tech would play a big role	2.50	2.83

Consultancies

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Green Business Innovation, LLC	http://gbi-consult.com/	<ul style="list-style-type: none"> -independent expert to assist partners to benefit from lowering of carbon emissions, developing resource efficiency and commercialising clean technologies - consultancy services in climate change, green technologies, sustainable energy, renewables and innovations. - carbon Footprint measurement, Certifications - Traction and Advice for greentech startups Support women in tech 	High interest due to specialization in green business and clean tech	2	High expertise in SCP and clean, green tech	3	Medium influence since this is a private organization, can influence only clients	1	2.00
Konsalting Madad Hamkor	http://agriculture.uz/en.php?about/section/consulting	<ul style="list-style-type: none"> - Accounting - Economic issues (business plan) - Legal issues 	No interest in SCP	0	No expertise due to different specification	0	No influence due to different specification	0	0.00
Dentons	https://www.dentons.com/en/insights/guides-reports-and-whitepapers/2020/february/26/doing-business-in-uzbekistan-guide	<ul style="list-style-type: none"> - laws and business practices (legal framework for making business in Uzbekistan) - Advice clean tech project developers on the global level 	Medium to high interest in SCP technologies due to existing work direction on climate change and energy	0	Low to medium expertise in SCP, possess expertise on energy, score might change	0	Are mostly involved in legal sphere, could serve as a good advisor for policy level	0	0.00
Information and Advisory Center at the Tashkent State Agrarian University	http://www.agriculture.uz/ru.php/about/section	<p>Promoting best practices and innovative developments, and providing information and advisory services based on domestic and world scientific achievements.</p> <ul style="list-style-type: none"> - Video production, publication of scientific and methodological literature; - Conducting educational activities (seminars, trainings); - organising field trips, fairs and exhibitions <p>Specialists: primary processing, storage and processing of agricultural products; Electric power and electrical engineering; agricultural machinery; etc</p>	High interest due to spezialisation on processing and focus on innovation development	3	Medium expertise on SCP	1	Medium influence - not clear how big is the target group	1	1.67

LLC "Smart Management" (Association of Agribusiness of Uzbekistan)	https://agrobusiness.uz/ https://smart-management.uz/	certified trainings on international standards (safety management system, energy management , eco management - ISO, GLOBALG.A.P)	Medium to high interest, due to provisioning or trainings on energy management that are in line with international standards	2	High expertise due to work on energy management, whereas one of the goals is decrease of energy and other resources consumption (loss)	3	Medium influence - influence only client MSMEs	2	2.33
LLC "Energocontact"	http://energocontact.uz/ru/ https://flagma.uz/ru/1136570/	Energy Audit, Energy Passport, Energy Efficiency, Electrical Installation, Frequency Converters. packaged condenser unit	Medium to high interest since they work on energy efficiency	2	High expertise in energy efficiency	3	Medium influence since it is a private company	1	2.00
LLC "SKB"	https://skb.uz/index.html	Development of energy saving and energy efficiency programmes. Investment energy audit. Development of the enterprise energy efficiency indicators Development of automated systems to perform energy audits by the enterprise itself Preparation of industrial enterprises for the implementation of the international energy management standard -ISO 50001 Improvement of energy efficiency of industrial enterprises and optimisation of energy consumption Autonomous solar power plants and UPS (street lighting, residential buildings, small businesses, etc.)".	High interest in energy efficiency and SCP since this is their operation area	2	High expertise	3	Medium influence to MSMEs	2	2.33
LLC "Ecoenergy"	http://ecoenergy.uz/page/about	"Scientific innovation (implementation) centre Services for the implementation of clean renewable energy technologies Development of autonomous power supply systems for households, communication facilities and medical centres; Development of business plans and feasibility studies of investment projects related to application of renewable energy sources Development and establishment of alternative energy sources Water pipe system to pump underground water, based on wind and solar power Organization of such sources production (alternative energy sources) and services on maintenance of such equipment Business-consultations of eco-management energy audit (to assess energy losses and finding renewable energy alternatives)	High interest due to interest in energy efficiency (renewable energy)	2	Medium to high expertise on SCP	2.5	Medium influence on their own customers	2	2.17

<p>LLC "Center of Expertise in Cleaner Production"</p>	<p>https://www.recpnet.org/members/</p>	<p>Observer Member of RECP net Offer resource efficient and cleaner production services to industries and businesses in developing and transition economies The Centre offers: - trainings, - in-plant assessments and audit services for companies, - water and energy efficiency audits, - waste management, - consulting services, etc. The Center has worked for over 120 companies from a variety of industrial sectors, has trained more than 40 consultants on RECP methodology.</p>	<p>High interest since they offer cleaner production services</p>	<p>2</p>	<p>High expertise since it is an operation focus</p>	<p>3</p>	<p>Medium influence? On customers</p>	<p>2</p>	<p>2.33</p>
<p>AKIS agricultural service centres (the EU promotes the agricultural knowledge and innovations system and co-finances it with the World Bank)</p>	<p>https://yuz.uz/ru/news/pervy-tsentr-agrouslug-v-stolichnoy-oblasti-intensivnoe-zemledelie-obretaet-realno-ochertaniya</p>	<p>Possibly will be a place where agricultural technique can be purchased. A Hub for agricultural services: testing and demonstration of innovative agri-technologies, dissemination of technologies for the rational and productive use of land and water resources, educational programs agro-services to farmers, dekhkan farms, clusters, owners of household land, and also creates conditions for private local and foreign agro-oriented companies seeking effective direct communication with their target audience.</p>	<p>High interest (but the main area is cultivation machinery, to be clarified if they provide a platform for processing too)</p>	<p>3</p>	<p>N/I</p>	<p>2</p>	<p>High influence due to geographical accessibility</p>	<p>2</p>	<p>2.33</p>
<p>CAIConsulting Central Asia International Consulting Company</p>	<p>http://www.caiconsulting.org/s</p>	<p>Development of agricultural advisory services Support for rural initiatives and micro-credit Development of marketing strategies for agricultural products Training for rural communities</p>	<p>Low interest in S</p>	<p>1</p>	<p>No expertise in SCP</p>	<p>0</p>	<p>Medium to low influence due to different focus at week</p>	<p>1.5</p>	<p>0.83</p>

Academia

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
The Regional Program for Sustainable Agricultural Development in Central Asia and Caucasus	http://cac-program.org/	Program assists the countries in developing the national research systems for sustainably increasing the productivity of crops and livestock through development, adoption and transfer of technologies; natural resource management, conservation strategies and socio-economic knowledge.	No interest in SCP since focus on farming	0.00	No expertise	0.00	No influence	1.00	0.33
Scientific-research institute for standardization, certification and technical regulation	https://www.standart.uz/	Basic organization for coordination of activities of industry technical committees on standardization, development and implementation of normative documents on standardization , including at the request of business entities and other organizations on a contractual basis, as well as retraining and staff professional development in the field of technical regulation, standardization, certification and metrology.	No interest specifically on SCP mainly on standartization	0.00	No expertise	0.00	No influence	0.00	0.00
Tashkent State Agrarian University		Relevant educational programs: - Professional Education (Storage and Primary Processing of Agricultural Products) (Bachelor's Degree) - Professional education (Agricultural electrification and automation) (Bachelor's degree) - Technology for Storage and Primary Processing of Agricultural Products (Bachelor's Degree)	High interest due to existing study directions that are relevant for SCP	2.00	Medium to low expertise in SCP	1.50	Medium influence in case of adaptation of SCP technologies topic in their study programs	2.00	1.83
Tashkent Institute of Irrigation and Agricultural Mechanization Engineers	http://earw.tijame.uz/en/page/et-kafedra%20xodimlari	Relevant Bachelor programs: - Expertise and marketing of technical and technological equipment (electrical and electronic equipment) - Window-measuring systems and devices - Smart sensors and technologies. Departments: - Electrical Power and Renewable Energy, - Electrical Engineering and Use of Electrical Equipment, - Automation and Control of Technological Process and Production - Electrical and Mechatronic Engineering.	Medium to high interest in SCP due to the programs on equipment	2.00	Medium to low expertise in SCP	1.50	Medium influence in case of adaptation of SCP technologies topic in their study programs	2.00	1.83

<p>Scientific Research Institute of Mechanization and Electrification of Agriculture</p>	<p>http://uzmei.uz/ru/index.html</p>	<p>Fundamental, applied and innovative research into the development of new types of efficient, high-yield resource- and energy-saving agricultural machinery, the improvement of existing machine technologies and their introduction into production.</p> <p>Electrification and automation of stationary and mobile processes in the field of primary processing of agricultural and livestock products, development of technical means and methods for the efficient use of renewable and alternative energy sources and technologies</p> <p>According to the list of Fundamental scientific developments the institute is focused more on agricultural cultivation and primary processing</p>	<p>Medium to low interest due to work mainly on primary processing</p>	<p>1.50</p>	<p>Medium to low expertise in SCP on advanced agro-processing</p>	<p>1.50</p>	<p>Medium to low influence</p>	<p>1.50</p>	<p>1.50</p>
<p>Bukhara State University</p>	<p>http://buxdu.uz/index.php/ru/</p>	<p>Relevant departments: - Ecology (Relevant subjects: agroecology, the concept of sustainable development, Alternative energy and environmental protection, Environmental policy of Uzbekistan, Water use and management in Uzbekistan)</p>	<p>Medium to low interest in SCP</p>	<p>1.50</p>	<p>No expertise</p>	<p>0.00</p>	<p>No influence</p>	<p>0.00</p>	<p>0.50</p>
<p>Bukhara Engineering and Technology Institute</p>	<p>https://bmti.uz/en/</p>	<p>Bachelor Programs: - Energy department - Energy audit and energy supervision of industrial enterprises, Electrical engineering, electromechanics and electrotechnologies (in mechanical engineering) and for non-electrotechnical areas in the discipline "Electrical engineering and electronics - Energy Audit department Energy audit and energy auditing of industrial enterprises, Alternative power sources (by type), Energy saving and energy audit, Energy saving and energy audit (by sectors) - Department of Food and Chemical Machinery and Equipment: Process machinery and equipment by sector</p>	<p>Medium to high interest due to existence of the relevant department and processing machinery is included</p>	<p>2.50</p>	<p>Low to no expertise</p>	<p>0.00</p>	<p>No influence</p>	<p>0.00</p>	<p>0.83</p>
<p>Ferghana Polytechnic Institute</p>	<p>http://ferpi.uz/</p>	<p>Relevant Bachelor Programs: Electronics and Instrumentation - "Automation and management of technological processes and production". - "Intelligent Engineering Systems (by branches and sectors)", - "Information and Communication Systems for Management of Technological Processes". Master Program: "Energy saving and energy audit".</p>	<p>Medium interest in SCP since no agro-production is mentioned among programs</p>	<p>2.00</p>	<p>Medium to low expertise</p>	<p>1.50</p>	<p>No influence</p>	<p>0.00</p>	<p>1.17</p>

Science Academy of Uzbek Republic	http://www.academy.uz/	Develops and implements new types of equipment and modern technologies; - promotes the development of sectors of the economy in which new achievements of world science and technology are studied and widely used; promotes the integration of science, education and production;	High interest in SCP	2.00	Medium expertise	2.00	Medium influence?	2.00	2.00
Uzbek Scientific and Production Center for Agriculture	http://iim.uz/ru	Not clear whether new (clean) technologies implementation in processing is included in their agenda but normative acts on agriculture production more on raw material step are available on the webpage	Medium interest	2.00	Low to no expertise	0.50	Medium to low influence	1.50	1.33
National Centre for Knowledge and Innovation in Agriculture at the Ministry of Agriculture	https://agro.uz/ru/news/agro/ob-organizatsii-deyatelnosti-natsionalnogo-tsentra-znaniy-i-innovatsiy-v-selskom-khozyaystve-pri-min/	- Research Institute of Rainfed Agriculture - Southern research institute for crop farming - Research and Production Association of Grain and Rice - Research Institute of Horticulture, Viticulture and Winemaking named after academician M. Mirzaev - Limited Liability Company "Research Institute of Plant Protection" of Uzagrokimyohimoya Joint Stock Company (possibly not only these institutions)	No interest due to different focus	0.00	Low to no expertise	0.50	No influence	0.00	0.17
Center for Scientific, Technical and Innovative Development of Industry under Namangan Institute of Engineering and Technology		Not much information found							No info

Technology Suppliers

Organisation	Services description	Information source
TERMOFAN TASHKENT LLC	Ecological installations for the kitchen, Heat recovery units, Thermofan Chiller, Standard air handling units, Fans for round ducts, Laminar flow unit, air filter, Fancoils, Outdoor air grilles with sand filtration insulation, External air shutters, Electric heaters, Ducts, AC units, AC grills, Dampers, Diffusers etc.	https://termofantashkent.uz/
Ventr Ltd	Industry chillers, air ventilators, air humidifiers, air cleaners, energy efficient air coolers for industries	http://ventr.uz/#
ALL SOLAR" PE	All solar related products: Solar panels, Solar water heater, Solar systems, Solar collectors, Frequency invertors, controllers, Floodlights, conneting assoceries	https://www.allsolar.uz/en/
INTELLECT-DIALOG LLC	battery charge controller boards, installation of solar panels and wind generators, wiring. Installation of equipment, installation and services of all type of electrical equipments	https://www.carecprogram.org/uploads/5.-ISEI_RE-development-in-UZB.pdf
“Mir Solar” LLC	PHOTOVOLTAIC PANELS, Controllers, BACKUP POWER DEVICE (URP), SUV-10 (Solar water heater), SOLAR HOT WATER SYSTEMS, SOLAR SHOWER CABINS	http://solarmir.uz/

National Financial Institutions

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Microcredit bank	https://mikrokreditbank.uz/ru/corporate/loan/	Purchase of equipment, real estate and other fixed assets, loans for construction and repair work, as well as other investment projects - Reconstruction, expansion, modernization, technical and technological re-equipment of the existing production capacities - acquisition of fixed assets, machinery and technology, equipment and vehicles for production;	High interest in lending micro credits for equipments and machinery	3.00	High expertise in lending for machinaries and mainlz to MSMEs	2.00	High influence on MSMEs due to existing network and ticket siye	2.50	2.50
Hamkor Bank	https://hamkorbank.uz/business/credits-for-business/kredity-dlya-korporativnykh-klientov/korporativnye-kredity-za-schyet-sobstvennykh-sredstv-banka/	Lending to small businesses. Financing of current assets by small businesses, wholesale trade, construction, purchase of equipment, customs payments, payment of wages and other purposes	Medium interest in SCP	2	Medium to low expertisesince operations	1.5	High influence on small businesses	3.00	2.17
Sanoat Qurilish Bank (UZPSB)	https://sqb.uz/business/credit-for-small-business/businesswoma-n-ru/	WOMAN ENTREPRENEUR / INVEST in NANUFACTUTING For the purchase of fixed assets, equipment, machinery, special equipment and vehicles, expansion of activities, modernization and for construction purposes, as well as the purchase of long-term intangible assets	Medium interest in SCP, no specific schemes	2	Expertise meduim	1.5	High influence to Women Entrepreneurs and MSMEs	3	2.17
Asaka Bank JSCB	https://asakabank.uz/ru/corp-credit-inner-8	Young entrepreneur Financing of projects implemented in youth industrial and entrepreneurial zones	Medium to low interest in SCP	1.5	Low to no expertise in SCP	0.5	Medium to high influence due to targetting young entrepreneurs in setting up facility	2.5	1.50
Agrobank (Winery)	https://www.agrobank.uz/ru/business/credit/youth-future	Youth - Our Future" credit line Crediting at the expense of the fund "Support of women-entrepreneurs Financing of investment projects Loans for wineries (Agency for Grape and Wine Development) incl. modernization purposes Online Loan for Entrepreneurs	Medium to low experience on SCP	1.5	Low expertise on SCP	1	Medium potential influence to MSMEs in Agri food processing industry	1.5	1.33
Ipak Yuli Bank	https://www.ipotekabank.uz/en/business/financing/	Loans for acquisition of fixed assets Leasing for small enterprises Loans for purchase of fixed assets Microloans Simplified microcredit (for the city of Tashkent)	Low interest in anz SCP or even machine purchases lending	1	Low expertise on SCP	1	Low potential due to reach and type of schemes	1	1.00

International Financial Institutions

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
World Bank	https://projects.worldbank.org/en/projects-operations/project-detail/P118737	Projects: - Energy Efficiency Facility for Industrial Enterprises 2010-2023 - by designing and establishing a financing mechanism for energy saving investments - Agricultural modernization project (2020-2026) (IBRD and IDA) long term tailored financing to farmers and agrobusiness . One of the components: Applied agricultural research and development subcomponent enhance the capacity of the national Research and Development (R and D) system to develop new technologies as well as to adapt existing, on-the-shelf technologies to local social and environmental conditions and to changing circumstances over time	High interest in energy efficiency and support of agriculture in the frames of agricultural mechanization project	2.00	High expertise in energy saving but might be low in SCP in regards to other resources saving	2.00	High influence on MSMEs due to existing resources (financial, expertise, networks and power)	2.00	2.00
IBRD (WB)	https://documents1.worldbank.org/curated/en/413351517540440690/pdf/Uzbekistan-PP-01042018.pdf https://cdn.odi.org/media/documents/odi_uzbekistan.pdf	Projects: - Development of Horticulture through National Bank of foreign trade , Financing Fund for WB - Modernisation of agriculture of the Republic of Uzbekistan Project Processing (NBU), packaging, storage, transport of products and purchase of refrigerated trucks;	Medium interest in SCP	2	Medium to low expertisesince operation sphere does not include technology	1.5	High influence on the higher level - can develop and provide loans to government on SCP potential programs	3.00	2.17
EBRD	https://www.ebrd.com/work-with-us/advice-for-small-businesses/uzbekistan-contacts.html	Projects: - "Advice for Small Businesses" programme access advice for MSMEs - platform for SMEs and financial institutions to exchange information and knowledge - GEFF Uzbekistan - investments in climate change mitigation and adaptation technologies and services supporting Green Economy Transition (Hamkhor Bank) -Financial Intermediary Framework (FIF Framework) - foster SME competitiveness by increasing availability of financing and (ii) contribute to the competitiveness of financial institutions by enabling innovation in strategy, products, processes and marketing related to SME lending (Hamkhor Bank)	High interest in SCP since it is supporting GEFF clean tech financing project abd FIF	3	Expertise meduim to high	2.5	High influence due to availability of resources and provided resources throuth different projects	3	2.83
KfW (German bank)	https://www.kfw-entwicklungsbank.de/international-financing/KfW-Development-Bank/Local-presence/Asia/Uzbekistan/	Supporting its Uzbek partners in creating better access to and a better range of medium- and long-term loans for Uzbek micro, small and medium-sized enterprises (MSMEs) and small farmers over the long term.	Medium to low interest, aimed to support MSMEs but SCP is not mentioned	1.5	Low to no expertise in SCP	0.5	Medium to high influence due to existing support of MSMEs	2.5	1.50

Green Climate Fund (GCF)	https://www.greenclimate.fund/countries/tajikistan	<p>Readiness program (facility), aspects: access to funds and private sector. (target - eligible implementers and governments) Measures:</p> <ul style="list-style-type: none"> - understanding GCF, coordination of climate finance - Building capacities to develop a pipeline of climate projects and attract investment; - Investment frameworks for adaptation and mitigation detailing financial needs to address climate change, and sources of funding for energy efficiency, renewable energy and climate resilience projects. Includes capacity building of local PFIs and micro-, small- and medium-sized enterprises - Training of Uzbekistan Local Financial Institutions (LFIs) and private sector institutions, to effectively identify and evaluate proposals for climate finance <p>FP025 GCF-EBRD SEFF Co-financing Programme. Deliver climate finance to the private sector at scale through Partner Financial Institutions Sustainable Energy Financing Facilities - EBRD led programme focused on the scale-up of private sector climate finance through local financial institutions</p>	High interest due to the focus on climate mitigation and provision of financial institutions and MSMEs	3	Medium expertise in SCP, since it is more on energy efficiency and does not include other resources	2	High potential positive influence to MSMEs through planned mechanisms	3	2.67
GEFF		<p>Under GEFF agreement EBRD provides a loan, to participating local financial institutions (PFIs) for on-lending to private borrowers for climate change mitigation and adaptation investments, in line with EBRD's Green Economy Transition approach. GEFF in Uzbekistan is supported by a team of specialized consultants, including engineering, environmental, financial and marketing experts offering PFIs and their clients direct support and advice throughout the green project life cycle (including appraisal) using best-in-class technologies and is free of charge. Investment incentive for successful implementation: 1) resource efficiency - 10 %; 2) renewable energy 20%</p>	High interest due to overlap in goals decrease of resources losses	3	High expertise in resource efficiency	3	High potential positive influence to MSMEs through planned mechanisms	3	3.00
Fund for Reconstruction and Development of Uzbekistan		Governmental fund Support GCF Readiness project in accreditation	Low to medium interest since supports governmental enterprises	1.5	No expertise in SCP	0	Medium (to low) potential influence to MSMEs	1.5	1.00

IFAD		<p>- Agriculture Diversification and Modernization Project 2017 - 2025. Inclusive rural finance to increase productivity and efficiency among targeted smallholders, enabling various actors to increase their investments in profitable value chains, Climate-resilient rural infrastructure through modernization of the inter-farm irrigation network operated by water consumer associations. Rural low-income households on Dekhan farms, small private horticulture and livestock farmers, and agribusinesses. Fergana valley - Dairy Value chain development program (2015 - 2023) technical and managerial efficiency and effectiveness at key points of the dairy value chains: (i) capacity development of value chain stakeholders, especially women; (ii) innovative technology testing and development; (iii) creation of sustainable dairy value chain stakeholder forums; and (iv) technical and financial support to primary producers and small-scale market services and input supply entities.</p>	Medium interest in SCP, since aims as well at technical efficiency	2	Medium (to low) expertise	1.5	Medium to high influence to dairy production and through rural finances	2.5	2.00
IFC	https://www.ifc.org/wps	<p>IN 2018 IFC issued its inaugural bond in Uzbek Soum, raising UZS 80 billion - ten million USD equivalent - to expand lending for micro, small and medium enterprises in Uzbekistan. This is the first-ever Uzbek Soum denominated transaction issued in the international market, also in 2020 \$60 million in loans for support of chemical sector. Supports sustainable and responsible production practices in cotton sector</p>	Medium to low interest in SCP in agro-production	1.50	Low expertise in SCP	1.00	High (potential) influence due to the possibility to influence political agenda in Uzbekistan and provide financial loans to SCP approach	3.00	1.83
ACD / VOCA	https://www.acdivoca.org/projects/uzbekistan-agribusiness-development-activity-ada/	<p>Uzbekistan Agribusiness Development Activity 2020-2025 (with ACD/VOCA, funded by USAID). Increased Value-Added Production Within Uzbekistan. Implement co-funded equipment and process upgrades, support capacity building for extension service providers in financing Central Asian impact fund launched for small and medium businesses through AV frontiers investment management firm (Bishkek), invests in agribusiness and food, technology and services, tourism, and consumer goods. Companies have to have contribution to Climate SDG among others . Loans to SMEs will be provided Target - smallholder farms</p>	Medium interest since it is not specified if clean tech is the criteria for upgrading equipment	2.00	Medium to low expertise in SCP	1.50	Medium to high influence, since support MSMEs but to be clarified if SCP is a requirement	2.50	2.00

National Governmental Organizations

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
Ministry of Agriculture of Uzbekistan	http://www.agro.uz/ru/about/structure/598/	<ul style="list-style-type: none"> - Comprehensive modernization of the industry, the introduction of scientific and technological advances, modern resource-saving and intensive agricultural technologies, best practices in agriculture; - Ensuring in-depth processing of agricultural products, improving the mechanisms of public-private partnerships - Development of integrated targeted, sectoral and territorial programs, - Ensuring, on a systematic basis, a close integration of education, science and agricultural production and training. - Participates in the development and implementation of modern resource-saving agro-technologies of crops cultivation; - Increasing the level of mechanization of agriculture, active implementation of modern types of equipment and technology; - Develops methodological recommendations to improve the efficiency of production, financial and economic activities of agricultural enterprises;". 	High interest since resource efficiency in food production is among goals of the ministry	3	Low expertise in SCP	1	High influence on the political level	3	2.33
The Main Directorate of Food Industry Development under the Ministry of Agriculture	https://lex.uz/ru/docs/4990324	on the basis of the Directorate of Agricultural Processing and Infrastructure Development;	Low interest specifically in SCP	1	No expertise in SCP	0	No influence on MSMEs on SCP	0	0.33
Agency for Standardization, Metrology and Certification of Uzbekistan	https://www.standar.uz/	<ul style="list-style-type: none"> - Technical regulation, standardization, metrology and certification, accreditation - Accreditation of inspection bodies providing pre-inspection services for imported goods - Accreditation of comparison, testing, calibration and metrology services 	No interest in SCP	0	No expertise in SCP	0	Low to no influence	0	0.00
Export Promotion Agency under the Ministry of Investment and Foreign Trade	http://epauzb.uz/?lang=ru	<p>Focused on support of export of non raw products, financial support, provide targeted financial and informational assistance to exporting enterprises related to the implementation of international standardization and certification systems</p> <ul style="list-style-type: none"> - Grants covering of 50% of transport expenses made for export of goods and products 	Low to no interest in SCP	0	No expertise in SCP	0	Medium to low influence	1.5	0.50

<p>Khokimiyats: - Tashkent region - Fergana region - Bukhara region</p>	<p>http://toshvil.uz/ru/</p>	<p>implementation of systemic measures for structural changes in the economy, primarily in industry and agriculture; - measures on improving the financial stability of enterprises, organization of systematic work to ensure the rapid development of entrepreneurship, - regional investment programs, programs of modernization, technical renovation and technological re-equipment of production, strengthening support for exporting enterprises and providing comprehensive incentives for farms and businesses to participate in exports - organization of systematic analysis of implementation of measures for further strengthening of reforms and structural changes in agriculture, effective use of land and water resources;</p>	<p>Low interest due to other priorities?</p>	<p>1</p>	<p>No expertise in SCP</p>	<p>0</p>	<p>Medium influence - can develop regional investment programs for support of MSMEs</p>	<p>2</p>	<p>1.00</p>
<p>Women committee of Uzbekistan regional branches: - Bukhara - Tashkent - Fergana</p>	<p>https://wcu.uz/en</p>	<p>- measures to implement the national policy on social and legal support for women - preparation and implementation of programs aimed at involving them in entrepreneurial activity;</p>	<p>Low to no interest in SCP</p>	<p>0.5</p>	<p>No expertise in SCP</p>	<p>0</p>	<p>No influence on MSMEs</p>	<p>0</p>	<p>0.17</p>
<p>Ministry of energy of Uzbekistan</p>	<p>http://minenergy.uz/en</p>	<p>Interested in Energy Efficiency Neutral CO2 emission (roadmap was developed in cooperation with EBRD)</p>	<p>Medium interest on SCP regarding energy efficiency aspect</p>	<p>2</p>	<p>Medium to low expertise on SCP</p>	<p>1.5</p>	<p>High influence on MSMEs due to developed and potential policies on energy efficiency</p>	<p>3</p>	<p>2.17</p>
<p>Ministry of water resources of Uzbekistan</p>	<p>https://water.gov.uz/ru</p>	<p>Water resources management and coordination of activities of governmental bodies, economic authorities in regards of rational water use - Implementation of scientific and technical achievements, modern water saving technologies and best practices in the water sector, innovative methods of water management and water use system management;</p>	<p>Medium interest on SCP due to the aim of rational water use, but the scale of control is crucial</p>	<p>2</p>	<p>Low to no expertise in SCP in agro-production</p>	<p>0.5</p>	<p>Medium influence through the potential of development of legal mechanisms for control over water use</p>	<p>2</p>	<p>1.50</p>
<p>Ministry of innovative development of Uzbekistan</p>		<p>Department of industrial development Project for the development of industrial clusters to improve the economy of the country</p>	<p>Medium to high interest in SCP since these are innovative technologies for rational use of resources</p>	<p>2.5</p>	<p>Medium to low expertise in SCP, since no big initiatives on resource efficiency in production exist</p>	<p>1.5</p>	<p>High influence, could develop strategion on SCP on the national level</p>	<p>3</p>	<p>2.33</p>

<p>State Committee on Ecology and Environmental Protection</p>	<p>https://www.uznatu.re.uz/ru/www._ecoenergy.uz</p>	<p>Eco-energy: - Introduction of innovative technologies in the development of alternative energy sources, scientific and technical developments and improvement of energy efficiency, production and localization of energy-saving equipment and tools, including technology transfer and engineering centers; - Development and introduction of completely new and effective methods and technologies to reduce air, water and land pollution, preserve biodiversity, and recycle and dispose of waste; - Importing equipment from abroad Conducting an energy and environmental audit;</p> <p>Water, land and natural resources -Functions - Ensure compliance with environmental safety requirements during installation, design, construction and commissioning of new and reconstructed enterprises and other facilities;</p>	<p>High interest</p>	<p>3</p>	<p>Low to medium expertise in SCP</p>	<p>1.5</p>	<p>High influence on MSMEs through regulatory instruments</p>	<p>3</p>	<p>2.50</p>
<p>Agencies for the implementation of agro-industry and food supply projects (UZAIFSA)</p>	<p>http://www.uzaifsa.uz/</p>	<p>Services: Agriculture, irrigation advisory services, valuation services, certification. Implementation of projects aimed at further modernisation, technical and technological renovation of the agro-industrial complex, the food supply system, as well as development and support of entrepreneurship; Implementation of innovative ideas and technologies, assistance in implementation of highly efficient and energy-saving design solutions, establishment of laboratories and experimental design bureaus in the field of agro-industrial complex and food supply;</p> <p>Project implementation: Example: - "Developing the horticultural value chain" with participation of the Japan International Cooperation Agency (JICA) 2020-2025 - "Livestock value chain development" with the Asian Development Bank 2020-2024 - Developing Rural Entrepreneurship in the Fergana Valley" in cooperation with the International Bank for Reconstruction and Development 2019-2025 - CAMP4ASB - Diversification and Modernisation of Agriculture" with the International Fund for Agricultural Development (IFAD) 2018-2023</p>	<p>High interest due to overlap of the goals of projects agency is engaged in</p>	<p>2</p>	<p>Medium expertise (to be defined if it is high)</p>	<p>2</p>	<p>High influence due to their operational scale and involvement in many projects and initiatives</p>	<p>2</p>	<p>2.00</p>

International development organizations

Organisation	Information source	Services description	Interest		Expertise		Influence/Impact to MSME		Final Score
			Description	Score	Description	Score	Description	Score	
European Union	https://www.eeas.europa.eu/delegations/uzbekistan_en?s=233	Investing and overseeing several projects in all the development sector including energy, water and sustainability, climate change, etc.	high	3.00	Medium to high	2.00	Medium to high	2.50	2.50
Food and Agriculture Organization (FAO)	http://www.un.org/enq/pages/display/fao http://www.fao.org/europe/news/detail-news/en/c/1308415/ https://www.uzdaily.uz/en/post/63707	Smart farming for the next generation. Goal is to initiate and promote smart and sustainable production, as well as post-harvest handling and marketing of vegetables grown in greenhouses Country Programming Framework for 2021-2025 document. Support to achieve a sustainable food system along the entire agrifood value chain – from the production, aggregation, processing , distribution, consumption and disposal of food products originating from agriculture, forestry and fisheries	Medium interest, not clear if clean tech is included into the agenda of achievement of sustainable food systems in processing	2.00	Low expertise in SCP	1.00	High impact due to available resources and political support which could lead to promotion of SCP on the governmental level	3.00	2.00
GIZ, Uzbekistan	https://www.giz.de/en/worldwide/364.html https://www.developpp.de/en/funding-programme/	Ecological and economic development of the Aral Sea region 2020 to 2024 capacity-building measures for employees of micro, small and medium-sized enterprises as well as ministries and state agencies, with the aim of enabling them to make climate-adapted and ecologically oriented investment decisions Promoting inclusive economic growth in Tajikistan 2019 Sustainable economic development in selected regions of Uzbekistan 2012-2020 - developPPP is a funding programme of BMZ. It is aimed at companies that want to invest sustainably in a developing or emerging country and expand their local operations. Technical and financial support of up to 2 million euros for suitable projects.	Medium to high interest in SCP due to the incline to climate-adapted and ecologically oriented investment decisions	2.00	Low to no expertise in SCP technologies	0.50	High influence due to the action on capacity building of local agencies on climate adapted investment decisions	2.00	1.50
UNDP	https://www.uz.undp.org/content/uzbekistan/en/home.html	Aid for Trade for Central Asia (Phase IV), Tajikistan, Kyrgyzstan and Uzbekistan July 2018 – December 2023 (tools-microfinance, main focus - green production (clean), Resource efficiency)	High interest due to the program focus on clean production in agriculture	2.00	High expertise in green (clean) production?	2.00	High influence through microfinance tools and resources availability	2.00	2.00

Chemonics international	https://www.chemonics.com/	Uzbekistan Agribusiness Development Activity 2020-2025 (with ACD/VOCA). Increased Value-Added Production Within Uzbekistan. Implement co-funded equipment and process upgrades, support capacity building for extension service providers in financing	Medium interest since it is not specified if clean tech is the criteria for upgrading equipment	2.00	Medium to low expertise in SCP	1.50	Medium to high influence, since support MSMEs but to be clarified if SCP is a requirement	2.50	2.00
Hilfswerk	http://ca-network.org/	Project: CANDY V (since 2020) / Regional Integration and Capacity Building to Boost Competitiveness of MSMEs in Agrobusiness and Trade Promotion in Central Asia (EU Program: Central Asia Invest V) Capacity building of food production, processing MSMEs in commercial quality standards, food safety and traceability, product promotion (marketing tools such as ecolabelling and GI), clustering and knowledge management. Enhanced BPO support programme - specialised and integrated services for export-oriented SMEs in the agro-processing sector".	High interest in REAP project due to overlapping work interest with MSMEs and clusters, but are not working on technologies	2.5	No expertise in SCP	0	High influence due to similar project stakeholder group and networks established	3	1.83
ADB	www.adb.org/uzbekistan	One of the biggest lenders to Uzbekistan Projects: Small and Medium-Sized Enterprises Development Program (Subprogram 1) (Project only proposed) - Small and medium enterprise finance and leasing - Regional: Support for Innovation and Technology Partnerships in Asia and the Pacific - Energy Sector High-Level Technology Application (Subproject 2) (Uzbekistan & Tajikistan etc.) Energy / Energy efficiency and conservation - Renewable energy generation - solar . Project type - technical assistance in order to find new solutions for: (i) increasing clean energy use for heating and cooling , (ii) advancing efficient renewable energy based microgrids , and (iii) efficiently improving energy demand management. No MSMEs direct support mentioned Development of value chains in Horticulture sector (ADB) through "National Bank" of Foreign Trade	Medium to high interest, since aimed to support SMEs and energy efficiency	2	Medium to high expertise - expertise in energy efficiency and renewable energy other resources are not specified	2.5	High influence since it is the biggest lender for Uzbekistan	2	2.17

<p>UNFCCC focal point in Uzbekistan - Centre of Hydrometeorological Service of the Republic of Uzbekistan (UZHYDROMET)</p>	<p>https://unfccc.int/process/parties-non-party-stakeholders/parties/national-focal-point</p>	<p>GCF programme - Climate Adaptation and Mitigation Program For the Aral Sea Basin (CAMP4ASB) - target group - rural and most vulnerable people. Includes agro-products processing, energy efficiency improvements and expansion of renewable energy sources.</p>	<p>Medium to high interest, since energy efficiency is supported</p>	<p>2.5</p>	<p>Medium expertise in energy efficiency, low on other resources</p>	<p>1.5</p>	<p>Medium to high influence due to the project goals</p>	<p>2.5</p>	<p>2.17</p>
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