

1 Cover Page

UN Multi-Partner Human Security Trust Fund for the Aral Sea Region in Uzbekistan



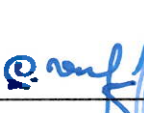



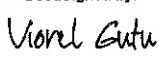

UNDP, UNICEF and FAO

Project¹ Title: “Empowering Youth Towards a Brighter Future through Green and Innovative Development of the Aral Sea region”

<p>Project Duration: <u>13 months</u></p> <p>Anticipated start/end dates: <u>Dec 2022- Dec 2023</u></p> <p>Fund Management Option(s): Pass-through</p> <p>Managing or Administrative Agent: <u>N/A</u> (if/as applicable)</p>	<p>Total estimated budget*: <u>USD 1,740,001.55</u> (Including co-financing)</p> <p>Out of which:</p> <p>1. Funded Budget: <u>USD 1,730,001.55</u></p> <p>2. Unfunded budget: _____</p> <p>* Total estimated budget includes both project costs and indirect</p>				
<p>Sources of funded budget:</p> <table> <tr> <td>Donor</td> <td><u>USD 1,620,001.55</u></td> </tr> <tr> <td>UNDP</td> <td><u>USD 120,000.00</u></td> </tr> </table>		Donor	<u>USD 1,620,001.55</u>	UNDP	<u>USD 120,000.00</u>
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¹ The term “project” is used for programmes, joint programmes and projects

Names and signatures of (sub) national counterparts and participating UN organizations

UN organization(s)	National Coordinating Authority(ies)
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<p>For the MPHSTF Steering Committee Co-chair (UN)</p> <p>Mr. Munir Mammadzade, UN Resident Coordinator, a.i. in the Republic of Uzbekistan, MPHSTF Steering Committee Co-chair</p> <p>DocuSigned by: <i>Munir Mammadzade</i> Signature: SAUAFALDZBF4PT</p> <p>Date & Seal 08-Dec-2022</p> 	<p>For the MPHSTF Steering Committee Co-chair (Government of Uzbekistan)</p> <p>Mr. Jamshid Khodjaev, Deputy Prime Minister, Minister of Investments and Foreign Trade of the Republic of Uzbekistan, MPHSTF Steering Committee Co-chair</p> <p>Signature: <i>Jamshid Khodjaev</i></p> <p>Date & Seal</p> 
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2 Executive Summary

The executive summary contains a comprehensive summary of all sections focusing on the significance and relevance of the project, its contribution to national priorities, UN MPHSTF for the Aral Sea Region Outcomes and international commitments, the results expected to be achieved, intended beneficiaries, donors and implementing partners.

The 3rd call for proposals under the UN Multi-Partner Human Security Trust Fund for the Aral Sea region in Uzbekistan (MPHSTF) has the thematic focus on “Youth Employment and Innovation, Health and Green Growth” in the Aral Sea region. In line with above, UNDP, UNICEF and FAO have developed a new Joint Programme titled: “Empowering Youth Towards a Brighter Future through Green and Innovative Development of the Aral Sea region” to be implemented in Karakalpakstan (2023).

The proposed Programme is developed in alignment with the MPHSTF Programmatic Framework and Results Matrix to address multiple insecurity challenges in the Aral Sea region associated both with the Aral Sea crisis. Thus, it promotes integration of the human security concept including the comprehensive, context specific and prevention-oriented approaches. It will use top down protection and bottom up empowerment principles. The Programme will be guided by using the comprehensive, multi-sectoral, contextualized, emphasizing on prevention, partnership and collaboration.

The Joint Programme aims at increasing the efficiency and innovations in agriculture, promoting smart and digitalized communities, with favorable infrastructures and facilitating active labour market initiatives. The implementing agencies will enhance community development, empowerment of youth and women, support the infrastructure development and creation of employment generation in rural areas, focusing on most at risk communities, facing multiple vulnerabilities.

The proposed Programme will benefit 241,155 people from 3 northern districts (Chimbay-113,947; Kegeyli -73,594 and Karauzyak -53,614 districts) of Karakalpakstan that are the most affected by the Aral Sea disaster. The specific focus will be given to youth (14-30 age group), women and vulnerable groups of people (disabled, women-headed families, unemployed youth, etc.).

The Programme’s goal and objectives are fully aligned with the policies and strategies of the Government of Uzbekistan on the development of the Aral Sea region, including the Presidential Decree on Aral Sea region adopted on July 29, 2021, which includes an action plan of activities by key ministries and agencies in line with the implementation of the special UN Resolution to transform the Aral Sea region into a Zone of Ecological Innovations and Technologies; Cabinet of Minister’s degree on Integrated Roadmap for the sustainable development of the Aral Sea region adopted on 25 January 2022, the Government’s comprehensive Development Programme for Karakalpakstan for 2020-2023 as well as the Green Transition Strategy adopted in 2019, which outlines the key priorities on green development, covering the Aral Sea region.

3 Situation Analysis

3.1 Overall context

The Aral Sea region remains the most vulnerable and deprived region of Uzbekistan. Once the fourth largest inland lake in the world, now down to 10% of its original size. The drying of the Aral Sea set off large-scale human, environmental, socio-economic and demographic insecurities for the population of Karakalpakstan.

As the climate in Karakalpakstan is naturally arid, local population depended on water from the Amu Darya delta for irrigation, and in the past on the Aral Sea for fishing purposes. Following the desiccation of the Aral Sea and the reduction of water inflow in the lower reaches of the river, local livelihoods have become increasingly threatened and multiple interconnected human insecurities emerged. The environmental disastrous situation associated with the sea disappearance has intensified and amplified and expressed in the form of dust storms and climate change. The negative causes of tendency for agriculture, livelihoods, people and infrastructure are enormous.

Karakalpakstan occupies 37% of the total territory of Uzbekistan, whereas the region's contribution (Gross Regional Product, GRP) to the overall GDP of the country is only 3.5%. Karakalpakstan has a population of 1.94 million people, 49% of which reside in urban areas, while 51% in rural areas. According to the government statistics, around 14.6% of the population in Karakalpakstan is poor as compared to 11.5%² in the rest of the country.

The service sector has substantial share in GRP equaling 44,6%, industry 32,7%, agriculture 15,2% and construction sector 7,5% respectively³. According to official statistics, the unemployment rate is 9.3% (10.5% in 2020) which is above the country average 9.1%.

In Karakalpakstan, about 40% of the total number of employees is occupied in the informal sector (State statistics agency, 2020). In the structure of employment, the share of employment in the agricultural sector decreased to 27.35%. The largest increase in employment falls on the health protection and social services sector. Therefore, given the restrictions put by the Government due to COVID-19, livelihoods of youth, who share the big chunk of engagement in the informal sector as well as in the service sector was drastically impacted on the loss of jobs and incomes.

3.2 Aral Sea desert and water projections

The state of the Aral Sea region is not a result of a single problem - numerous interconnected issues created the current situation. Drying of the Aral Sea has led to the creation of a vast salt desert - Aralkum, the world's newest desert with the size of more than 5,5 million hectares. The salty dust of the Aralkum travels throughout the Aral Sea region and beyond, causing substantial damage to the economic, food, health and environmental insecurities of the local population. At the same time, in recent years, a set of measures are implemented to mitigate this crisis including the massive planting of the saksauls in the dried sea bed as well as protective forest belts in order to prevent the shifting sand from advancing and the spread of dust storms and dry hotwinds.

However, for the reliable assessment of the current status of Aral Sea region's landscape and its trends, reliable information should be available (including maps showing areas) and quantitative characteristics of degradation (salinization, dry vegetation, forest pathology risks, etc.). Fragmental research efforts in this territory were based on different methodologies as part of local sectoral programs. And the results were incomparable, let aside their relevance. The main cause was the lack of attention to the problem itself, underestimation of critical situation development, especially in environmental terms. Therefore, despite a

² <http://nsdg.stat.uz/goal/4>

³ Invest in Karakalpakstan, 2018. UNDP, CCI

big deal of research efforts, there is no reliable information to make responsible decisions on the future of the Aral Sea (covering the dried sea bed) and its coastal area.

In addition, the limited water resources in the region combined with severe salinization of soil have made agriculture – both commercial and subsistence – difficult. According to the data of the Ministry of Agriculture of Karakalpakstan, water volume available in Amudarya for Karakalpakstan forecasted 260 m³/second in 2022 compared to 460 m³/second in 2021. Therefore, households have experienced food insecurity due to the lack of healthy foods available in markets locally and the increasing inability for them to grow their own food. The assessment of irrigated agriculture and drought-related hazard risks for the Aral Sea Region, commissioned by UNDP (2021) through Columbian University has revealed that irrigation water requirements might increase in the future due to increased evaporative demand amidst rising temperatures and precipitation changes.

While investments are returning to the region and increasing the reported economic status of the region, most of these are in intensive industries such as cement production and other construction materials, that has negative impact to the environment in the mid and long term if properly not assessed. Besides, these industries do not employ many local people, meaning that unemployment and livelihoods remain a challenge for much of the population, particularly youth and women located in the remote communities.

3.3 Efforts on transferring the region as a zone of ecological innovation and technology

Based on the Government of Uzbekistan's initiative, on May 18, 2021 the UN General Assembly approved a Resolution on declaring the Aral Sea region a zone of ecological innovations and technologies. This was further followed by the Presidential resolution on July 29, 2021, aimed at operationalizing the UN GA resolution. It aims at creating favorable conditions for attracting investments in the development and implementation of high-tech innovations, environmentally friendly energy-and-water-saving technologies, integrated application of green economy principles, prevention of further land degradation, desertification and environmental migration, and implementation of other related tasks.

In line with the Presidential Resolution, with technical support of UNDP, the Government of Uzbekistan has developed an Integrated Roadmap for the sustainable development of the Aral Sea region, which was adopted by the Cabinet of Ministers on January 25, 2022. The purpose of this Integrated Roadmap is the implementation of the UN Resolution and the Concept Note, which will lead to a sustainable improvement of the living conditions and livelihoods of people in the Aral Sea region of Uzbekistan, as well as the restoration of an active ecosystem and enhancement of biodiversity in the surrounding areas.

In line with the Agenda of the Government, the Advisory Committee (AC) for the sustainable development of the Aral Sea region has been established under the leadership of the Ministry of Investments and Foreign Trade (MIFT), the institution responsible for mobilizing investments, including into the Aral Sea region, under the auspices of the Government of Uzbekistan and UN Multi-Partner Human Security Trust Fund for the Aral Sea region (MPHSTF). The development of the Integrated Roadmap was accordingly informed by systems approach, co-designed during the four sessions of the Working Group on Sustainable Investments, as well as through bilateral meetings with respective line ministries. Application of the Roadmap is based on a systems approach both in building partnerships and in the development of project proposals, which are fully aligned with the MPHSTF strategy. Accordingly, each of the listed priority areas must be considered from the perspective of systemic transformations.

Seeking sustainable solutions grounded in the bedrock of local knowledge is central to the Systems Innovation Approach championed globally by UNDP. The idea is to rethink or reimagine development, using experimentation and risk-taking in intentionally-designed portfolios of projects, to create long-term solutions for stubborn human and natural problems. UNDP and national partners are putting this plan into action to create a proposed Zone of Ecological Innovations and Technologies in the region. The long-term vision of this approach is to develop solutions to address the needs of the local people in innovative new approach that could be used in other regions of Central Asia that are experiencing similar complex human insecurities linked with the limited water resources, desertification and salinization, and health vulnerabilities.

3.4 Youth and innovation (digitalization)

Youth comprises 30% of the population of Karakalpakstan between 14-30 ages. There are 9 higher educational institutions (25,442 students), 104 professional colleges and 8 academic lyceums, 725 public education schools (344,042 pupils) that provide higher, secondary specialized education and public education to youth of the region.

School-to-work transition is increasingly challenging for young people. Nationally after completion of the compulsory secondary education 56% of young people of 19-24 years of age are NEET - 69% of young women and 33.4% of young men. The NEET-rate for females increases rapidly once they are above 18 years of age (from 1.7% to 69.0%) and reaches 74.0% for the cohort of 25-30-year-olds, whereas for males it remains generally lower (maximum of 33.5%) and decreases with age (24.8%)⁴. In Karakalpakstan, among youth of 18-30 years old 54% of young men and 66% of young women are not in employment, education or training (NEET)⁵.

Young people perceive lack of practical skills and absence of prior work experience as one of the key factors impeding their employment after graduation⁶. Young people indicate knowledge of Russian and English languages, entrepreneurial skills, digital literacy, including programming skills, and such transferable skills as leadership, flexibility and adaptability as the key ones they lack and need to develop for successful school-to-work transition.

According to the study conducted among focus groups by UNDP (2021) in northern districts, 89% have access to electricity, 70% access to the Internet; and 74% have their own smart phones. However, majority do not use digital applications, social media in their entrepreneurship activities.

The most popular application is Telegram with 85%, while merely 17% of the entrepreneurs have a Facebook account and 37% use Instagram. Furthermore, 78% have a mobile payment application either Payme or CLICK but they do not actively utilize it for their businesses. Although OLX is one of the most popular E-Commerce sites in Uzbekistan, in the target groups, 22% of them have their account and most of them use OLX not for selling but more buying goods and services.

The findings of the UNICEF (2020) national youth study indicate that 54% of young people – predominantly girls and young women and youth in rural areas – never use the Internet. The key reasons identified by young people and observed during the field work in Karakalpakstan are poor connectivity in their area of living, lack of access to facilitating devices and high cost of the Internet.

More than third (39%) of young people aged 19-24 years old indicate that they do not know how to use a computer at all. The named reasons are lack of functioning computers at schools and lack of qualified ICT teachers. Based on the field work experience in Karakalpakstan, majority of young people do not have their own computers. ICT knowledge and skills are limited to communication in messengers and social networks through smartphones.

Although around 30% of people employed in agriculture (e.g., engaged in farming, forestry and fisheries), it contributes to Karakalpakstan's GRP at the rate of only 15.2%, while the industrial sector's rate is 32.7%. Therefore, bringing innovative approaches through promoting digitalization and integrated local green development through creative approaches focused on youth employment generation through digital tools and advanced methods in the agriculture sector including green finance are essential for the sustainable development of the region.

Based on the above provided problem statements, the proposed programme is in line with the thematic directions including youth-employment and Innovation, health and Green Growth as outlined in the 3rd call for proposals of the MPHSTF for the Aral Sea region.

⁴ Transforming our world: the 2030 Agenda for Sustainable Development, Resolution adopted by the General Assembly on 25 September 2015

⁵ <http://nsdg.stat.uz/goal/4>

⁶ Takeaways from focus-group discussions on reasons of challenging school-to-work transition and two youth consultations with local government conducted in 2019 in Karakalpakstan conducted by UNICEF.

4 Strategies, including lessons learned and the proposed project

4.1 Government Policies, Strategies, and Decrees in addressing the Aral Sea problems.

The present Programme is developed in alignment with the state programmes and policies especially related to socio-economic development, agro-sector development, employment creation, facilitation business initiatives and engagement of small households into entrepreneurship activities, green development, start-up development and with latest policies on youth and on digital economy

The following key government priority document were considered during the programme proposal development:

- UN Special Resolution dated 18 May 2021 on declaring the Aral Sea region a zone of ecological innovations and technologies.
- Presidential Decree on Aral Sea region adopted on July 29, 2021, which includes an action plan of activities by key ministries and agencies in line with the implementation of the special UN Resolution to transform the Aral Sea region into a Zone of Ecological Innovations and Technologies.
- Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No. 41, dated, 25 January 2022, on the adoption of a Concept Note and the Integrated Roadmap for the sustainable development of the Aral Sea region.
- Government's comprehensive Development Programme for Karakalpakstan for 2020-2023.
- Resolution of the President of Uzbekistan form 7 March 2019 (#4235) on "Measures to further enforce guarantees of labor rights and support entrepreneurship of women"
- Decree of the President of Uzbekistan from October 23, 2019 (# 5853) on "Strategy for development of agriculture of the Republic of Uzbekistan for 2020-2030"
- Decree of the Cabinet of Ministers of Uzbekistan (48) from January 18, 2019 decree "On approving the Concept on implementation technology of "Smart City"
- Decree of the President of Uzbekistan (ID-10574) on approval of the concept National Strategy "Digital Uzbekistan - 2030".
- Decree of the President of Uzbekistan (PP-4699) from April 28, 2020 "On measures for the widespread introduction of the digital economy and e-government".
- To reduce the share of informal economy - Resolution on the introduction of temporary labor certificate for self-employed citizens №566 09.07.2019
- Law of the Republic of Uzbekistan on "Government Policy on Youth" as of 24 August 2016.
- Law of the Republic of Uzbekistan on "Startups".
- The decree on implementation of the National system for the development of professional qualifications and competencies
- Resolution on the introduction of temporary labor certificate for self-employed citizens (№566) as of 09 July 2019 to reduce the share of informal economy.
- Resolution on approval of the strategy for the transition of the Republic of Uzbekistan to "Green" economy for the period of 2019-2030 (# 4477) as of 4 July 2019.
- Decree of the President of Uzbekistan on approval of the strategy "Digital Economy" and measure for its effective implementation (UP-6079) as of 5 October 2020.

4.2 SDG-2030 Agenda⁷⁸, and other international commitments on the issue at the national level.

The programme will enable the achievement of 9 SDGs in the most vulnerable and remote region of the country. Specifically, the project will contribute to the achievement of the following:

SDG 1. No Poverty – through its work on employment generation and professional skills building the programme will contribute to poverty reduction rate in the region, where those unemployed will have access to job opportunities and improve their living level;

SDG 2. Zero Hunger – by facilitating the development of agro-production and engagement of youth, farmers into the new agro-businesses, using innovative solutions, the programme will contribute to increase and diversify the food productions and allow increased access to more food varieties and vitamins;

SDG 3. Good Health and Well-being - the programme will provide access to clean drinking water and support that families have a good nutrition through funded projects in the area of agriculture, where both have direction impact to the health;

SDG 5. Gender Equality- Gender mainstreaming will be done at all levels of programme implementation, the programme will specifically empower women's participation in agro-plots and business initiatives establishment as well as during the process of start-up initiations;

SDG 6. Clean Water and Sanitation – the programme will facilitate better access to social services including drinking water;

SDG 8. Decent Work and Economic Growth – the programme will create opportunities for establishing new business initiatives and start-ups, this will allow creation of new job places and facilitate decent work. Capacity building on digitalization will facilitate the establishment a pool of qualified experts that will have better chances to be employed and contribute to economic growth of the region;

SDG 9. Industry, Innovation and Infrastructure – by bringing new innovations including the access to digital solutions, the communities will be developed and empowered to learn, develop businesses thus contributing to better life of communities;

SDG 11. Sustainable cities and communities – the programme will facilitate better access to basic services including water and digitalization, this will allow the communities be more sustainable and advanced;

SDG 15. Life on land – the programme will consider land degradation while introducing innovative agriculture practices, thereby, proposing new innovative solutions in agro-processing sector. Farmers and youth will be better equipped with knowledge and technologies on agro-farming technologies.

4.3 UNSDCF Strategic Priorities and Outcomes⁷

Programme is in line with the following UNSDCF strategic priorities:

Priority B – **“Inclusive human capital development leading to health, well-being and resilient prosperity”** and Outcome 3 - **By 2025, youth, women and vulnerable groups benefit from improved access to livelihoods, decent work and expanded opportunities generated by inclusive and equitable economic growth.**

Priority C - **“Sustainable, climate responsible and resilient development”** and Outcome 5 - **By 2025, the most at risk regions and communities of Uzbekistan are more resilient to climate change and disasters, and benefit from increasingly sustainable and gender-sensitive efficient management of natural resources and infrastructure, robust climate action, inclusive environmental governance and protection.** It will address the problems on climate change, poor Energy Efficiency, Inadequate Water Management, Desertification, Air-Ground Pollution/Protection of environment.

4.4 Design, multi-sectoral strategy, expected project/programme results and implementation plan

From the design side, the programme innovativeness is that it will challenge the effectiveness of the old sectoral models in addressing human consequences of the Aral Sea environmental disaster and will promote multi-disciplinary solutions which cross ministerial lines and reflect the needs and aspirations of individuals and communities. The implementation plan will focus on identifying the most innovative and

⁷ United Nations Sustainable Development Cooperation Framework 2021–2025.

⁸ Transforming our world: the 2030 Agenda for Sustainable Development, Resolution adopted by the General Assembly on 25 September 2015

effective practices, describe and analyze them, capture potentially transferable practices and present them to decision makers for potential mainstreaming into the Government policies and programmes. For this, as part of the plan, it will provide necessary capacity building and technical assistance to those institutions to mainstream the human security approach in their programming and projects implementation.

One of the most innovative features of the programme is that it will apply the integrated principle to interventions planning: it will assess the chain of causes and effects of insecurities of the targeted communities with focus to youth and will design the interventions that will address these cause-effect mechanisms in a comprehensive way by expanding livelihoods opportunities through innovation and smart agriculture opportunities and making governance systems better responsive to individuals and communities. Multiple insecurities faced by communities will be addressed to make more significant synergetic effects on their lives. This will be achieved by delivering the set targets outlined within the three programme objectives.

Alignment with the concept of human security and the MPHSTF Theory of Change, including a COVID-19 sensitivity; its contribution to the MPHSTF Programmatic Framework and Results Matrix.

The programme goals are perfectly aligned with the funding criteria as outlined in the MPHSTF Programmatic Framework and Results Matrix to address multiple insecurity challenges in the Aral Sea region associated both with the Aral Sea crisis and COVID-19 outbreak. The proposed programme will be jointly implemented by three PUNOs, effectively making use of specialized expertise and complementarities to ensure better integration of joint support to the region to address multiple human insecurities. The human security approach will be integrated both in terms of a concept and vision for interventions as well as a methodology for planning, delivering and evaluating.

The proposed Programme promotes integration of the human security concept including the comprehensive, context specific and prevention-oriented approaches. It will use top down protection and bottom up empowerment principles. The programme will be guided by using the comprehensive, multi-sectoral, contextualized, emphasizing on prevention, partnership and collaboration.

The activities proposed within the programme are contributing to the five pillars of the human insecurities according to the human security results matrix, including the economic, food, environmental, health and social insecurities.

The programme's **first objective** will focus on support with monitoring of implementation of the Integrated Roadmap for the Sustainable Development of the Aral Sea region for effective donor coordination in the region. It will specifically focus on introduction and development of systematic monitoring tools and on addressing the socio-economic and environmental impact and safeguarding progress towards the SDGs. It will support the institutional capacity development of the Government and contribute to Government efforts in the implementation of the Special UN resolution declaring the Aral Sea region a zone of environmental innovations and technologies. It is expected that this objective will enhance the capacities of the Government in monitoring the implementation of the Integrated Roadmap and interventions in the Aral Sea region for effective donor coordination. Thus, Objective 1 will address the problem of donor ineffectiveness (Annex 2) of MPHSTF's TOR, as well as the output #16 of the **Outcome 5** of the MPHTSF Results Matrix.

The **second objective** is aiming to develop cross-sectoral solutions in rural areas and create a culture of collaboration between residents, business sector, local authorities and local industry through digitalization and digital literacy. Holistic approach will be taken to the digitalization through the creation of a common digital platform (All-in-one integrated platform) to develop new solutions for the supply of local goods, communication, mobility and e-government. Programme also proposes to strengthen skills of next generation of smart digital entrepreneurs through knowledge sharing on modern business applications and digital tools to increase youth employability. Thus, this objective will contribute to the output #4 and output #5 of the **Outcome 2**, and output #15 of **Outcome 5** of the MPHTSF Results Matrix. Needs assessment on digitalization of rural economy and entrepreneurship was carried out within previous UNDP led Project

in Aral Sea region where necessity of digital platform was identified and series of capacity building activities among young entrepreneurs, farmers, dehkans organized. Creation of common digital platform will scale up digitalization initiatives priorly supported by UNDP and trigger digital entrepreneurship among youth in pilot districts.

The **third objective** will focus on evidence-based climate change adaptation measures through promoting climate smart agro practices. Technical support and capacity building of the rural population on the innovative agriculture practices, promoting green growth and green technology in agro-business, social infrastructure, piloting innovative solutions and integrating new innovative technologies will contribute to the environmental security (through introduction of water saving, land protection technologies, crop diversification) as well as economic and food securities, by engaging youth and households into agro-value chain development practices facilitating job creation and income generation. It will also support organization of two scientific expeditions to the dried bed of the Aral Sea in the area of 1.5 million hectares. Based on this, this objective will contribute to the output #1,2, 3 of the **Outcome 1**, output 7 of the **Outcome 3** of the MPHSTF Results Matrix. UNDP supported two scientific expeditions to the dried bed of the Aral Sea in 2019-2020 within MPSHTF-1 Joint Project, covering 1.2 million hectares out of 3 million hectares of the dried sea bed located in the territory of Uzbekistan. The results of this expeditions revealed important findings and presented in published book of “Monitoring the dried seabed of the Aral Sea”. Organization of new expeditions to the uncovered seabed of 1.5 hectares will be logical continuation of the work implemented in 2019-2022, through what additional important findings could be obtained.

- 4.5 Provide evidence of logical sequence of cause-effect relationships based on a chain of results/hierarchy of tasks (overall goal – specific objectives – main outputs – activities).

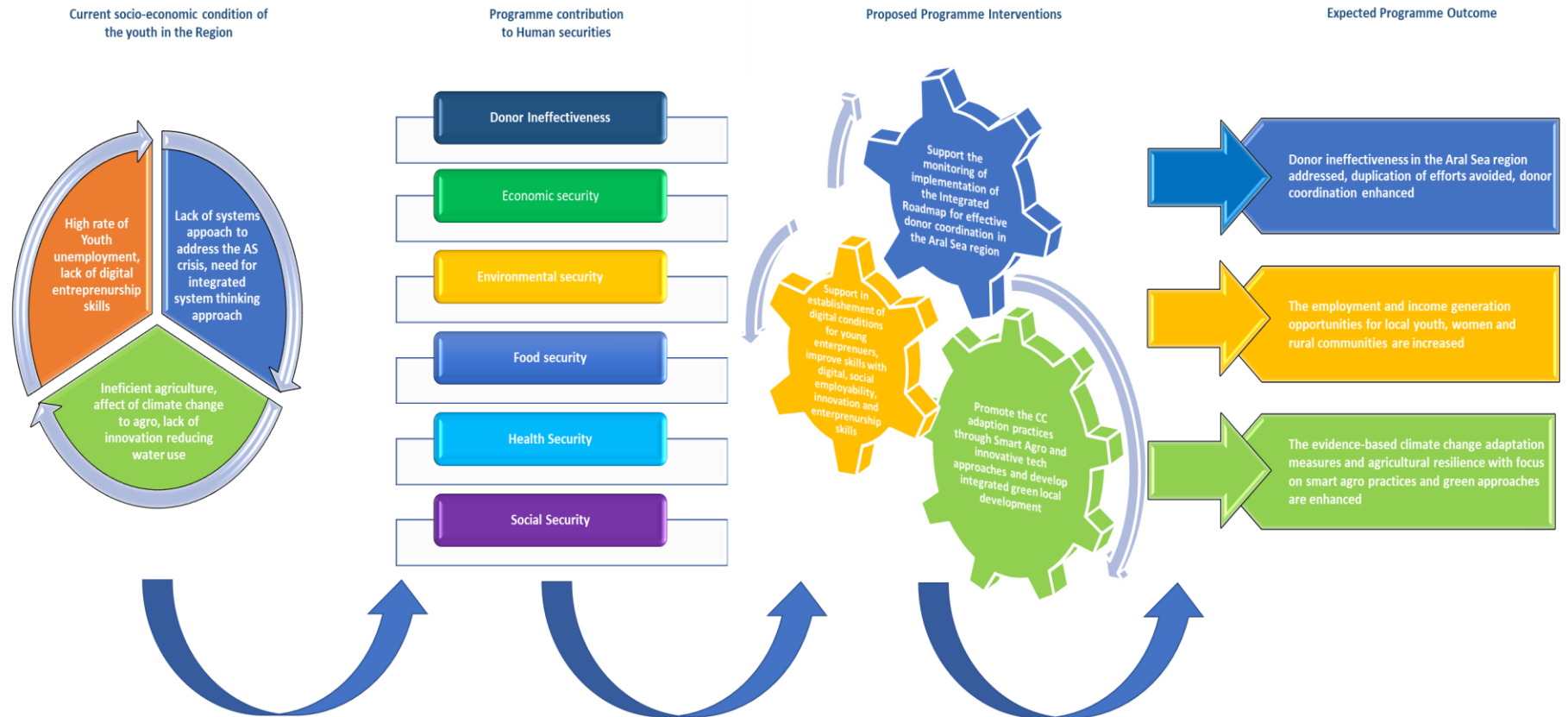
The proposed programme designed in order to address the needs of the local population aligned with the MPHSTF call for proposal and its objectives. The programme Theory of Change below outlines the root causes of the development challenges and logic of the interventions as a set of interrelated changes that will need to occur, which will purely contribute to achieve the programme outcome. Please (see figure #1)

- 4.6 Describe how a programme promotes integrated and multi-sectoral approach

By considering a broad range of conditions, which threaten survival, livelihood and dignity of individuals and communities affected by the Aral Sea disaster, the proposed programme through human security approach highlights the inter-connections between multiple human security challenges faced by individuals and communities affected by the Aral Sea disaster. Long-term and sustainable responses to these complex and inter-connected challenges require a comprehensive model that is offered by the human security approach that accounts for the inter linkages among food, environmental, health, nutrition, economic and other elements of human security.

The programme will apply the integrated principle to interventions planning and implementation - it will assess the chain of causes and effects of insecurities of the targeted communities and will design the interventions that will address these cause-effect mechanisms in a comprehensive way by expanding livelihoods opportunities, enhancing healthcare facilities in remote communities and agriculture opportunities. Multiple insecurities faced by communities will be addressed to make more significant synergetic effects on lives of people. For example, the same community may be targeted for improving rural healthcare facilities, livelihood opportunities, access to quality education etc. This kind of integrated approach will help to address root causes of human security challenges.

Figure-1. Theory of Change



4.7 Describe how the project/programme ensures promotion of and piloting innovative and integrated approaches and solutions in dealing with the problem (s).

The proposed programme will use combination of tools to support the interactive participation of local people in planning and decision-making, explore ideas, identify priorities, find cost-efficient solutions and increase transparency in decision-making. Furthermore, by focusing on building the resilience of communities, the programme decidedly aims to contribute further to the empowerment of communities to better cope with risks and challenges related to natural disasters on all areas of their lives (economic, food, health, community security etc.). For instance, the piloting of the African growing model can potentially be adopted to local conditions and provide positive results in improving food security of target communities and thus be considered for further replication in other areas of the region if necessary.

4.8 How the project/programme sustainability will be ensured in the long run and how this will be monitored, after the project/programme is implemented

The programme will be implemented in accordance with the relevant State Programmes, and in close partnership with the Ministry for Economic Development and Poverty Reduction, Council of Ministers, local khokimiyats and target communities, and other state partners, which will be warrant and important foundation for the sustainability of the programme interventions and ensure the ownership by relevant national partners on the programme results.

Within the 1st objective the Programme will closely work with the Ministry of Investment and Foreign Trade in implementing Integrated Roadmap for the Sustainable Development of the Aral Sea region, based on the Cabinet of Minister's resolution on the roadmap and it will also support the development of the data repository, as an effective and interactive storage of impactful data on Aral Sea region to be used in a long run, including the monitoring of the development process in the region.

Within the 2nd objective, an integrated digital platforms All-in-one will be established for generation of new ideas and digital service provision, which will be connected with the local businesses. To ensure sustainability capacity development for the youth and women will be regularly conducted in order to build the required skills for beneficiaries to be able to independently run the initiatives supported by the programme as well as initiated by themselves. Relevant knowledge transfer in line with innovative technology/ items to local partners and beneficiaries will be ensured in order to strengthen sustainability.

To ensure sustainability, UNICEF will work closely with the local partners to integrate the skills-building programmes into the existing formal and non-formal education systems, such as school programme, curriculum of the monocenters under the Ministry of Public Education and curriculum of IT Parks. Moreover, each programme includes a component of capacity-building of the local partners.

Within the 3rd objective, work with relevant national organizations in charge to promote the sustainable agriculture practices will be organized to ensure that established demo-plots and smart ago business initiatives are fully integrated into the local economic system and make contribution to the region's economic development. Designed and developed integrated green local development model at the community level will be further considered for upscaling and replication through the relevant State Programmes.

Local agencies, such as International Innovation Center for the Aral Sea Basin, local mono centers and IT centers will deliver the programmes as implementing partners. Joint planning, implementation and monitoring of the initiatives, as well as training of the regional specialists, will ensure capacity-building of the local implementing partners and smooth integration of the programmes into existing system of the job-activation programmes for youth.

Dedicated efforts will be made to promote human security approach to ensure that all partners at the national, regional and local levels, including community leaders adopt the same lens and approaches to identify individual and community human security challenges and develop commonly agreed strategies and actions to address them. Training of public servants and other relevant partners such as journalists on human security will be provided as well.

Capacity building measures to develop and implement Integrated Roadmap will be implemented. Existing institutions at every level will be strengthened through targeted training on effective policy implementation with regards to Aral Sea development from a human security perspective to fulfill their mandates, develop and implement programmes addressing real human security challenges.

Community leaders will be trained and capacitated to sustain and expand community-based projects and communicate local needs to local and regional authorities. The regional authorities' capacities will be strengthened so that they will be able to replicate good project's practices across the region as well as increase responsiveness, extend choice, expand access, increase economic efficiency of supports and services provided.

Brainstorming discussions will be organized to identify common challenges at the regional level that will strengthen engagement and ownership of the regional authorities. The project will support implementation of digital transformation priorities of the country and improving standards of living of Aral Sea region. The project will facilitate sustainable use of land and water to improve agricultural productivity as well as promote food security by introducing new innovative green solutions, while also ensuring that capacity and understanding is maintained in applying these solutions. Climate resilient farming practices will be identified for target areas and expanded among farmers and households.

Awareness raising campaigns will be organized during the whole period of the project, targeting both policy, decision maker and community peoples. Local communities will be actively involved in identification of their local priorities and implementing social infrastructure projects that will strengthen their ownership and abilities for community planning and collective actions.

4.9 Potential of the proposal to strengthen national capacities, strengthen institutions and provide support to local actors

Partners such as SIC ICWC, IICAS, local mono centers and IT centers, local communities will be directly engaged in implementing some activities of the programme. Joint planning, implementation and monitoring of the initiatives, as well as systematic trainings of the specialists will ensure capacity-building of the local implementing partners and smooth integration of the programme activities/results into existing programmes, thereby strengthening relevant partners human and institutional capacities.

More specifically, national partners' capacities will be strengthened through:

- Creation of enabling environment for further snowballing of the project activities through attracting additional resources by supporting to implement the integrated roadmap for the Aral Sea region;
- Providing practical support, demonstration of new approaches in area of digital entrepreneurship building through implementation of specific projects;
- Enhancing skills of relevant experts of the national and local institutions in effective implementation of smart agro practices and technologies to reduce the water and energy use.

5 Results Framework

5.1 Goal and Objectives

The programme will address the crisis caused by the Aral Sea Disaster, which was further exacerbating due to the COVID-19 pandemic. It will support youth and women at the most affected communities through seizing new digitalization opportunities and promoting innovative economic growth, decent work focusing also on sustainable agriculture.

The goal of the joint programme is to promote integrated green and innovative resilience building of communities, through empowering rural youth and women, by equipping them with digital entrepreneurship and social innovation skills, thereby increasing their employment opportunities and adaptability to the Aral Sea crisis consequences.

UNDP, UNICEF and FAO, based on comparative advantages, will apply an integrated approach, harnessing the potential of young people, developing their skills for increased employment and income-generation opportunities, as well as supporting green and climate-resilient initiatives towards a resilient future for Karakalpakstan.

The Programme's goal and objectives are fully aligned with the policies and strategies of the Government of Uzbekistan on the development of the Aral Sea region, including the Presidential Decree on Aral Sea region adopted on July 29, 2021, which includes an action plan of activities by key ministries and agencies in line with the implementation of the special UN Resolution to transform the Aral Sea region into a Zone of Ecological Innovations and Technologies; Cabinet of Minister's degree on Integrated Roadmap for the sustainable development of the Aral Sea region adopted on 25 January 2022, the Government's comprehensive Development Programme for Karakalpakstan for 2020-2023 as well as the Green Transition Strategy adopted in 2019, which outlines the key priorities on green development, covering the Aral Sea region.

The programme has the following three objectives:

- **Objective 1:** Support effective monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region (UNDP)
- **Objective 2:** Increase access to livelihoods, decent employment, social infrastructure through digitalization and equipment with digital skills, for the most vulnerable youth and women in three target districts of Karakalpakstan (UNDP, UNICEF).
- **Objective 3:** Promote climate change adaptation measures through climate smart agro practices to increase the food and environmental security of the population, thereby proposing the model of the integrated green local development of communities (UNDP, FAO)

5.2 Objective 1. Support the monitoring of implementation of the Integrated Roadmap for effective donor coordination in the Aral Sea region (UNDP)

The Joint Programme will facilitate the smooth implementation of the Integrated Roadmap for the sustainable development of the Aral Sea region in Uzbekistan, specifically focusing on introduction and development of systematic monitoring tools; addressing the socio-economic and environmental impact; and safeguarding progress towards the SDGs. It will support the institutional capacity development of the Government and contribute to Government efforts in the implementation of the Special UN resolution declaring the Aral Sea region a zone of environmental innovations and technologies.

The programme will work under the auspices of the Advisory Committee for Sustainable Development of the Aral Sea region, led by the Ministry of Investment and Foreign Trade and build on the previous support provided for the development of the related Integrated Roadmap. It will continue the application of systems approach and will address critical gaps in facilitation and coordination of the implementation of the Roadmap, building on the UNDP's lead of the work of both AC working groups.

By steering strategic partnerships and mobilizing resources, the proposed intervention will trigger the actual implementation of the Integrated Roadmap. Even more importantly, the proposal will focus on establishing

clear procedures, as well as user-friendly tools that allow effective coordination of donor assistance and intervention in the region.

The Objective 1 is an important part of the project, as the Government has intensified its efforts to transform the Aral Sea region into the zone of innovations and this has been fully supported by development partners and IFIs. Support to the region has been lasting for at least a decade, but effectiveness of this support was still questionable due to donor ineffectiveness. UNDP has made a review of donors' support in 2020, results of which showed lack of donor coordination and focus of such a support. The proposed objective is based on integrating efforts of all development players and the Government of Uzbekistan towards targeted support to the region, which is focused on ensuring human security and adaptation of communities to potential threats to people, both climate, environmental and as a consequence socio-economic challenges.

The Integrated Roadmap, endorsed by the Government and agreed with development partners as a part of the coordinated work with IFIs and multilaterals can serve as a good guiding tool for coherence and concerted development support to the region. Considering that UN agencies have extensive experience and potential in implementing development projects in the region, this Objective 1 of the project could be a sound platform for better donor coordination and linkage between plans and implementation.

The activities proposed will ensure creating sound mechanisms with a supported platform for data collection, monitoring and evaluation, so as to properly plan the development support and assess its impact.

Output 1.1. Development of holistic project proposals by the members of Working group on Sustainable Investments of the Advisory Committee is facilitated .

Programme will bring the best international practices and experience to support the efforts of the working group on Sustainable Investments by focusing on the following key activities:

1.1.1. Conduct thematic workshops for the Working Group on Sustainable Investments and on a semi-monthly basis to facilitate the discussions on the implementation of the Integrated Roadmap. Provide support to MIFT in facilitation and coordination of the work of established thematic groups, including support in building dialogue between the potential donors and national stakeholders and other implementation agencies on the thematic areas of interest.

1.1.2. Develop institutional capacity of relevant national partners in applying systems thinking and portfolio approach in development of project proposals through the introduction of online training courses.

1.1.3. Conduct comprehensive analysis of donor landscape, with key focus on donors targeting environment and livelihoods in the region, by matching the donor needs against the ongoing thematic areas within the Integrated Roadmap. Development of a regular donor mapping mechanism.

1.1.4. Facilitate the development of concrete project proposals by working group members by application of systems approach and harmonization of the process to avoid duplications and to mitigate gaps in thematic areas.

Output 1.2. Monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region is enhanced.

UNDP will support the Government in its efforts to develop a mechanism and an online project gender-sensitive monitoring tool for coordination of the overall implementation of the Integrated Roadmap.

1.2.1. Conduct mapping of existing monitoring tools that have been in use by ministries and Government agencies, analyze efficiency including pros and cons of each tool, identify takeaways of each tool. Conduct mapping of international practice on implementation of project/programme monitoring tools, extract best practice applicable to local context.

1.2.2. Develop detailed Terms of Reference for the development of online monitoring tool with inclusion of key and relevant indicators and measures for monitoring and evaluation, based on national and international practice.

1.2.3. Develop an online project monitoring and evaluation system/tool that allows to effectively manage and oversee the Aral Sea related initiatives/interventions in real time mode with breakdowns on different

groups of population, regions and sectors.

1.2.4. Provide technical support to the Government in development and introduction of protocols and procedures, for both national and international users, for effective coordination and monitoring of Aral Sea interventions, using gender-sensitive indicators.

1.2.5 Support the mechanism of constant updating of the database and operationalization of the monitoring system.

Output 1.3. Data Repository established to facilitate Evidence-based decision making by donors and policymakers.

The programme will assist the Government in the development of an online Data Repository, which will contain technical documentation to guide cross-ministerial engagement for the development of an online tool that will allow policy makers to share and access the datasets and indicators in the data catalogue.

1.3.1. Development of catalogue of datasets within the existing and publicly available data relating to the Aral Sea region. Conduct analysis of relevance of the datasets to the context, identify gaps in existing datasets, develop the list of missing datasets for further collection.

1.3.2. Mapping of international best practices on user-friendly online Data Repositories, conducting capacity building activities for the national partners on statistics/data collection based on international best practices.

1.3.3. Development of the Terms of Reference by taking into account technical and non-technical aspects of online Data Repository, by taking into account aspects such as:

- easy to contribute, access as well as to maintain the datasets, including for external decision-makers (potential investors, international donors, private sector etc.).
- User-friendly to navigate, easy to search for and retrieve data.
- Inclusive for people with disabilities.
- Allows to connect with analysis tools through standard application programming interface (APIs).
- Comply with data integrity and data safety principles.

1.3.4. Development of the guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations and other facets of implementation, which have significant design implications for the proposed data repository.

1.3.5. Development of the Online Data Repository based on the existing platform of Open Data of Uzbekistan, with due modifications as per the developed TOR.

5.3 Objective 2. Increase access to livelihoods, decent employment, social infrastructure through digitalization for the most vulnerable youth and women in three target districts of Karakalpakstan (UNDP, UNICEF)

Objective 2 proposes to develop cross-sectoral solutions in rural areas and create a culture of collaboration between residents, civil society, business sector, local authorities and local industry through digitalization and digital literacy. Holistic approach to the digitization through the creation of a common digital platform (All-in-one integrated platform) to develop new solutions will be established in order to supply the local goods, communication, mobility and e-government, tailored based on the realities and needs of the programme target districts, as the most of the existing similar analogs of such digital platforms, do not consider the local realities and existing capacities and knowledge at the grass-root levels. The platform enables the creation of shared services and common rules, and the incorporation of the basic tools such as payments, login, data usage controls and partner networks. Local residents, who are working in various sectors, will benefit from solutions offered from the platform. Programme will also work on strengthening skills of the next generation of smart digital entrepreneurs through knowledge sharing and skill building on modern business applications and digital tools which will be instrumental in improving youth employability, engaging youth in active social-economic life and ensuring economic, food security.

To advance connectivity, digital literacy and job-related skills, monocenters and communities, so that the digital tools could be used to increase learning and employment opportunities of the local population. Digital

entrepreneurship, employability and financial skills building programmes will be delivered for youth and women with the focus on the most disadvantaged in the three target districts of Karakalpakstan.

Work with the SMEs will be conducted to support youth and women entrepreneurship by improving their capacity to use both equipment and digital applications in the target districts, where previously the MPHSTF funded projects were not implemented. This will include effective use, operation and maintenance of equipment. Based on the needs of beneficiaries, the programme will identify existing business applications, for example, in the areas of product delivery, graphic design, business promotion, and agricultural/water monitoring, and then provide training on these for women and young people in the target districts. Finally, training sessions will be organized where successful youth and women entrepreneurs (including previous beneficiaries of UNDP and UNICEF programmes) will share their journeys: how they were able to use digital tools in their business, the challenges they faced, and how they were able to successfully overcome these challenges.

Output 2.1. Creating of conditions for young entrepreneurs to engage in innovative service delivery (UNDP)

2.1.1. Conduct in-depth market studies and consultations with the private sector and experts on the trends in the area of digital markets and value-chain development, and use the findings to propose new package of solutions for the Aral Sea region's digital development, focusing also on increasing the local value chain in food and goods supply.

2.1.2. Launch a start-up contest jointly with Youth Affairs Agency and the Regional Department of Ministry of Innovative Development of Uzbekistan to establish an integrated digital platforms at the level of the target districts (while in the past individual start-up contests were held, there were no in such a scale to establish platform which serve multiple digital solutions).

2.1.3. Establish and support 3 digital platforms (one in each district -based on the context specific needs and demands of those areas) with necessary tools, equipment, and capacity building support, to make them able to provide services to the local users, which among others include the digital solutions on effective communication, delivery chains, food & goods supply (note: prior launch of establishing digital platforms, assessment will be conducted, based on which the specific content of the platforms will be developed, which will include the value added of the proposed platforms to develop the local digital businesses).

2.1.4 Develop institutional capacity of mono-centres and IT Park in the proposed new target districts for enhanced quality and sustained provision of training programmes in IT and digitalization for young people with the specific focus on young and women.

2.1.5 Identify and develop small scale digital infrastructure in remote communities based on the business proposals selected on competitive basis among the youth and women (max 3 proposal will be supported), that will enable a full opportunity to engage in digital entrepreneurship including digital marketing, where the uniqueness of the selected business proposals is that they will have to be linked with the digital platforms to be established in each of the districts, thereby creating the local value chain on marketing and increasing the productivity of the businesses.

Output 2.2. Improving skills of young women and men to become as next generation of smart digital entrepreneurs (UNDP).

2.2.1. Organize series of the capacity building trainings as follows:

- Conduct 3 trainings for 60 youth and women on modern business applications (OLX, ZOOD Mall, Apelsin etc.) and use of social media for entrepreneurship (Instagram, Telegram, Youtube, Google Analytics). Promote/Share stories and personal experience of successful young entrepreneurs from the Aral Sea region (note: this will increase the knowledge of the locals, as the UNDP survey on digitalization has identified that while youth and women willing to use the applications, they lack the knowledge and skills);
- Facilitate and conduct 3 master classes covering 60 youth from target districts, that will engage

internationally recognized digital-savvy experts and global creative spaces to bring advice and tips for starting a digital business and establishing business models for scaling business-lead technology solutions;

- Organize 6 webinars for 40 young entrepreneurs (targeting young girls) on new digital financial/finance products by attracting leading experts and consultants in this field (Apelsin, Anorbank, Tenge Bank, TBC bank etc.). Set up network, exchange, knowledge/sharing. Introduce advantages of digital approach in business activities and its opportunities (note: this activity will contribute to increase the skillful local entrepreneurs to advocate on the usage of the new digital tools at the local level);

2.2.2. Organize 6 (2 in each district) practical experience exchanges of young entrepreneurs with successful local business leaders. Pilot an internship program for at least 10 young entrepreneurs in order to gain hands-on experience at the regional level, considering also engagement with the other enterprises in the country. Conduct 6 awareness-raising campaigns covering 150 people from vulnerable groups (youth, women, disabilities) from target districts. Present benefits of digital technologies and opportunities, encouraging use of digital services.

2.2.3. Work with local Banks and jointly support (co-finance) 3 digital business initiatives from youth (young girls) from the 3 target districts to promote green financing (note: the share of funding will be identified based specificity of the selected projects, whereas the programme will provide some seed funding, and capacity and skill building part).

Output 2.3 Fostering employment and innovation through building capacity of young people, with the focus on women and vulnerable youth, with digital, social, employability, innovation and entrepreneurship skills (UNICEF)

UNICEF will continue and expand the current work on human capital development in the region. Specifically, UNICEF will support the usage of the Internet and digital tools by equipping girls and young women, with the focus on the most vulnerable, with digital skills. Young people will develop social and entrepreneurial skills, as well as apply the digital skills obtained through a social innovation and social entrepreneurship programme.

Unemployed young people will be provided with social, employability, entrepreneurship skills and financial education on the basis of the local Employment Support Centers under MoELR. Joint planning and targeting, in terms of context of the planned capacity building trainings and beneficiaries will be synchronized with the proposed capacity building activities as outlined in output 2.1. and output 2.2.

- a) Conduct Skills4Girls (S4Gs) programme jointly with IT Park which includes 6-month courses for girls of 15-24 y.o. with the focus on the most disadvantaged. The course consists of two paths
- b) Basic computer literacy for girls with no computer skills including girls with disability;
- c) More advanced forward-looking skills such as coding, robotics, AI, online workspace, and graphic design.

The programme will aim to equip girls with digital skills to improve their access to diverse sources of quality education and employment, even from home. The programme will be delivered at the local IT Centres in Chimbay and Kegeyli districts (note: as there is no IT Center in Karauzyak, the girls from this district will be covered through the IT Center based in Chimbay district).

2.3.2 Implement social innovation and social entrepreneurship programme UPSHIFT (locally named ImkonLab). UPSHIFT has been implemented in Muynak, Kungrad, Bozatau and Nukus regions and already equipped 212 young people with the skills and resources for problem identification, solution development and incubation. The UPSHIFT programme brought high return on investment - 5 youth projects have already grown into income-generation enterprises using only \$1,000 of seed-funding and the more are coming after completion of the incubation. Moreover young participants are role models for their peers. They are invited to innovation-related conferences, InnoWeek marathon, local TV programmes, meetings with high-level authorities. One young man from Kungrad district received the job of the director of the IT center in his university due to the experience obtained through ImkonLab.

The ImkonLab programme can be the next step for girls - participants of S4Gs programme - to apply the obtained ICT skills in developing social and innovative tech business solutions. Further implementation of UPSHIFT in the target regions can help to strengthen the system of youth entrepreneurship support, through cooperation with the Ministry of Innovative Development and the Ministry for Development of Information Technologies and Communications, IT Park.

2.3.3 Implement inclusive capacity building on social, employability, entrepreneurial skills and financial literacy through AflaYouth programme. Not to leave anyone behind, the International Aflayouth curriculum aims to improve income-generation abilities for the most vulnerable young women and men (aged 16-24+) with limited access to the Internet and ICT devices. Through an adaptable to all contexts curriculum and innovative teaching approach, young people are inspired, informed, engaged, coached and assisted to start a private enterprise or achieve gainful employment.

Curriculum and teaching and learning materials on transferable, employability, entrepreneurship skills and financial literacy, with supplements for labour migrants and agribusiness will be adopted and translated into Karakalpak. The curriculum has been already adapted to the context of Uzbekistan and translated to Uzbek and Russian languages.

- 5.4 Objective 3. Promote climate change adaptation measures through climate smart agro practices to increase the food and environmental security of the population, thereby proposing the model of the integrated green local development of communities (UNDP, FAO)

Work in this component will focus on the power of digital technologies to pilot, accelerate and scale innovative ideas in food and agriculture by transforming digital solutions and services into local public goods. It aims to explore the responsible application and adoption of existing and frontier technologies, design and scale new services, tools and approaches to empower rural households and inspire youth and women entrepreneurship in food and agriculture.

Output 3.1 Establishing data repository on the evidence-based monitoring of the dried Aral Sea bed to address the environmental insecurities of the local population face; (UNDP)

UNDP supported two scientific expeditions to the dried bed of the Aral Sea in 2019-2020 within MPSHTF-1 Joint Project, covering 1.2 million hectares out of 3 million hectares of the dried sea bed located in the territory of Uzbekistan. The results of this expeditions revealed important findings, including the fact that self-growing of the saksauls covered the area of 160,000 ha since 2010. It also identified unstable ecological zones on the exposed Aral Sea bed, etc. Those findings were used by the Forestry department and other national organizations in the process of Saksauls plantation in the dried sea based as well as for the monitoring purposes. The findings are also being considered by the International Innovation Center for the Aral Sea region under the Presidential Administration (IICAS) in the process of developing innovative new approaches in addressing the ecological challenges of the region, considering also the initiative of the Gov't on turning the region as a zone of environmental innovation and technology.

Therefore, it is planned that within this output additional 1.5 million hectares will be examined through 2 more expeditions to the dried seabed, which will ensure that Uzbekistan part of the dried seabed will be almost fully covered with expeditions (2.8 out of 3 million hectares). This work will be organized jointly with the Scientific-Information Center of the Interstate Commission for Water Coordination in Central Asia (SIC ICWC), the Forestry Department of Uzbekistan and IICAS.

For many years, a large amount of knowledge, statistical, cartographic, satellite and terrestrial- spatial data analysis on Aral Sea accumulated, and there is a strong need of a systematized approach for subsequent use. In this regard, an urgent task is to unify and combine this information and data into a geoinformation portal, and thereby provide a single access point to the geoinformation resources for government and other stakeholders, to be used for the purposes of projects development, monitoring and evaluation of the tendency in the region with the focus to the dried sea bed.

3.1.1 Conduct monitoring of remaining 1.5 million hectares of the drained seabed.

The expeditions will cover both practical and scientific task plans: determination of the state and dynamics of the drying area; classification of the landscape on the newly drained area through space observations ;

assessment of the state of the landscape, soils, hydrogeological conditions, flora of the entire drained territory, the state of vegetation, especially artificial forest plantations; determination of the extent of the development of desertification processes, changes in landscape classes and risk zones compared to the state of the previous monitoring in 2005-2011; develop recommendations for improving the ecological condition and productive use of the drained and developed territory, and recommendations on forest plantations. Expedition results can also serve as an important source for further developing of geoinformation system of the dried seabed in the future.

Output 3.2. Diversification of livelihood strategies introduced including the enabling activities in the agriculture resilience (FAO)

3.2.1. Expand knowledge and capacity on sustainable agricultural practices. These include, but are not limited to, mulching, installation of water saving technologies, and growing salt-tolerant crops. This will enable local farmers to be more resilient to water shortages, soil salinization and climate change impacts. This also includes introduction of smart phone applications for sustainable agriculture such as water monitoring.

3.2.2. Build capacity on rural e-commerce development in order to support the direct connection rural communities and producers to the market. This component will be closely linked with Objective 2 and recognizing that many women and youth are involved in agriculture may include joint trainings where applicable. One focus of this goal is to develop and/or promote smart phone applications for transportation and delivery of products from rural communities to the market suitable for Karakalpakstan.

3.2.3. Support access to green finance through trainings on business plan development, online banking, and how to apply for loans and grants. It is envisioned that green finance can be used to support solar panel pumps, bioenergy equipment, installation of drip irrigation and laser leveling among other things. Long-term, access to green finance is essential to transform the agricultural sector from traditional energy consumption to sustainable energy consumption and even generation. Recognizing that green finance is applicable outside of the agriculture sector, activities in this component will also be closely coordinated with those of Objective 2.

3.2.4. Support and capacity development on alternative income generation activities. Training seminars on handicrafts and business marketing in agriculture will be organized for youth and women of pilot areas. Special focus will be given to the development of "Aral Sea" region product branding.

Joint planning and targeting, in terms of context of the planned capacity building trainings and beneficiaries will be synchronized with the proposed capacity building activities of with other PUNOs.

Output 3.3. Promoting the climate adaption practices through innovative, smart and green approaches to build the resilience of the rural households, farmers and green communities (UNDP).

Within this output, the project will reduce water and energy consumption in agriculture. This will in turn lead to increased agricultural productivity and bring farmers and communities in the region one step closer to 'green' - environmentally friendly technology. The project will roll out the concept for the energy efficient solutions, smart agriculture and green tools that seek to promote water efficiency and energy consumption in farms and communities.

3.3.1. Provide access to clean drinking water for the population of at least 2 remote communities in the three target districts (Note: the focus will be based on proposing innovative technologies use in providing access to drinking water, and not heavily invest in the infrastructure itself improvement). In the current situation associated with the reduction of water resources, the issue of access to clean drinking water is one of the acute and urgent problems in the three selected districts. The lack of water supply forces remote communities to use water from unprotected water sources, leading to an increase in the emergence of various infectious diseases. Therefore, based on the extensive experience, the joint programme will use green and energy efficient solutions to improve access to water. This would include providing innovative methods of purification, desalination and removal of various microorganisms from water to make it safe for drinking and consumption.

3.3.2. Introduce smart agriculture practices and technologies through financing at least 1 local initiative by youth and women at the community levels; and provide necessary capacity building to 20 youth and

women to support the proposed initiatives' implementation (in cooperation with local Khokimiyats, Ministry of Innovation).

The activity will be organized jointly with the local Khokimiyats, Ministry of Innovation and will be coordinated with the ongoing "MakhallaBai" programme of the Government.

The programme will organize trainings (in the three targets districts) covering 60 people, targeting youth, women farmers and cooperative members on the subject of the smart agriculture practices and technologies to promote the local green growth.

Technical assistance will be provided to the competitively selected farmers, households, as well as cooperative members who engage youth and women to pilot different smart agriculture practices and technologies. Those projects will be primarily promoting the efficient use of water resources and energy in the sector, and will enable to increase the incomes of the vulnerable households through the application of the new innovative approaches/technologies.

The selected projects might include the application of the digital agriculture tools that provide weather, water, soil and crop health data to obtain accurate information on the current status of the irrigated land.

3.3.3. Enhance access of 15 vulnerable households from the target three districts to innovative vertical and sustainable growing systems such as African Grower System and Hydroponics for livestock development.

The "African Grower System" is a space-saving device that consists of multiple growing pods stacked on top of one another. The system allows households to increase harvest with the possibility of growing between 16 and 24 plants per African Grower while saving 90% of average water consumption.

Green fodder is essential to feed livestock, but the reduced availability of land and lack of water makes it difficult for households to produce the required quantity of green fodder throughout the year. Also, the lack of quality fodder hampers the growth production, and reproduction of livestock. It is produced by growing seeds without soil, and with very little water. Within six to seven days, the seeds sprout. The seedlings are up to 30-35 cm tall and provide highly nutritious fodder (Note: local seeds can be used, important is the technology that the programme introduces).

Technical assistance will be provided to low income households (youth and women) for developing these two innovative agricultural practices, the "African Grower System" and Hydroponic fodder in order to improve the production system for livestock development.

3.3.4. Analyze the results of the proposed and financed initiatives within the frame of the programme, including the challenges in pilot communities. Factors that positively and/or negatively affect sustainability and upscaling of green practices and technologies in pilot communities and districts will be considered and synthesized as lessons learned from piloting activities;

3.3.5. Provide cost-benefit analyses and impact assessments of the most common and promising green interventions (practices, solutions, and technologies) that were deployed in the pilot communities and districts within the frame of other similar initiatives.

3.3.6. Based on the outcomes of above activities, design and develop the integrated green local development model at the community level and present it to the Government - MoEDPR for consideration of upscaling and replication. The document should also outline required support that needs to be arranged to the local government and communities to introduce innovative technologies and green practices and pilot the pathways identified in the proposed model. Support pilot green initiatives of farms and enterprises in target districts in cooperation with Farmer's Council.

Table 1: Results Framework

Title of the programme:	Empowering Youth Towards a Brighter Future through Green and Innovative Development of the Aral Sea region						
UNSDCF Priority Area	_ UNSDCF Outcome 3: By 2025, youth, women and vulnerable groups benefit from improved access to livelihoods, decent work and expanded opportunities generated by inclusive and equitable economic growth;						
	_ UNSDCF Outcome 5: By 2025, the most at risk regions and communities of Uzbekistan are more resilient to climate change and disasters, and benefit from increasingly sustainable and gender-sensitive efficient management of natural resources and infrastructure, robust climate action, inclusive environmental governance and protection.						
Relevant National SDG(s)	SDG 1. No Poverty; SDG2. Zero Hunger; SDG3. Good Health and Well being; SDG5. Gender Equality SDG6. Clean Water and Sanitation; SDG7. Affordable and Clean Energy SDG8. Decent Work and Economic Growth; SDG9. Industry, Innovation and Infrastructure; SDG11. Sustainable cities and communities SDG13. Climate Action SDG15. Life and Land						
Expected results (Outcomes & outputs)	Indicators					Means of verification/ Frequency	Responsibilities (PUNOs and national partners)
	Indicator description	Baseline		Target 2023 (Cumulative)			
		Value	Year	S 1	S 2		
Programme outcomes	<p>Contribution to the MPHSTF outcomes</p> <p>Programme Outcome 1 indirectly contributes to the Problem Tree analysis (Annex 2) of MPHSTF's TOR in the area Donor ineffectiveness and to outputs # 16 of Outcome 5 of the MPHSTF Results Matrix (Annex 3).</p> <p>Programme Outcome 2 contributes to MPHSTF output #4 and output #5 of the Outcome 2: The employment and income generation opportunities for local communities increased; and output #15 of Outcome 5: The living conditions of local populations improved, with particular focus on vulnerable groups such as women, children and youth.</p> <p>Programme Outcome 3 contributes to MPHSTF outputs #1, 2, 3 of the Outcome 1: The stress on local communities due to the deteriorating environmental situation reduced; output #7 of the Outcome 3: Local community access to affordable and healthy food and clean drinking water secured.</p>						

Outcome 1							
Donor ineffectiveness in the Aral Sea region addressed through development of database of assistance, duplication of efforts avoided (UNDP)	Share of surveyed development Partners using the Integrated Roadmap monitoring tools to Design, Monitor, Coordinate and Evaluate New Interventions in the Aral Sea region.	N/A	2022	0	60%	Reports, Surveys, assessments	UNDP, MIFT, MinInn
Programme outputs	Programme Outcome 1 contributes to the Problem Tree analysis (Annex 2) of MPHSTF's TOR in the area of Donor Ineffectiveness and to output #16 (The local governance systems for addressing the human security needs of the population is improved) of Outcome 5: The living conditions of local populations improved, with particular focus on vulnerable groups such as women, children and youth of the MPHTSF Results Matrix (Annex 3)						
Output 1.1. Development of holistic project proposals by the members of Working group on Sustainable Investments of the Advisory Committee is facilitated	# of online training courses developed to enhance the capabilities of the national partners	0	2022	0	1	Reports, Availability of the training module	UNDP, MIFT
	# of project proposals by working group members developed by application of systems approach.	0	2022	0	2	Proposals submitted to potential Donors	UNDP MIFT
Output 1.2. Monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region is enhanced.	Availability of effective protocols and procedures for coordination and monitoring of Aral Sea interventions	N/A	2022	N/A	Yes	Reports, availability of protocols and procedures	UNDP, MIFT
	Availability of online monitoring tool/software, as database of assistance, to effectively coordinate donor assistance in the Aral Sea region	N/A	2022	N/A	Yes	Reports, Operability of the online database	UNDP, MIFT, MinInn
Output 1.3. Data Repository established to facilitate Evidence-based decision making by donors and policymakers	# of socio-economic and Climate data catalogues developed for the Aral Sea region	N/A	2022	N/A	1	Reports, Availability of the data catalogue	UNDP, MIFT, State Statistics Committee
	Availability of user-friendly dynamic data repositories for the Aral Sea region, as a tool for streamlined data access for policy makers	No	2022	No	Yes	Reports, Availability of up and running data repository	UNDP, MIFT, State Statistics Committee, E-Gov't

Outcome 2. The employment and income generation opportunities for local youth, women and rural communities are increased (UNDP, UNICEF)	# of youth and women improved income generation through decent employment and skills development in smart digital entrepreneurship, social entrepreneurship, modern business applications and digital tools	1,220	2021	1,926	2,673	Reports	UNDP, Youth Agency, MoID
Programme outputs	Programme Outcome 2 contributes to output #4 (New income opportunities in sectors adjusted to local conditions) and output #5 (Skills and knowledge of local communities to participate in new industries are to become entrepreneurs, as well as, adaptability to new work conditions for employability are improved) of the Outcome 2: The employment and income generation opportunities for local communities increased; , and output 15 (Social and community services, including pre-school education and leisure opportunities, and life skill education for children and youth are improved) of Outcome 5: The living conditions of local populations improved, with particular focus on vulnerable groups such as women, children and youth of the MPHTSF Results Matrix						
Output 2.1. Conditions for young entrepreneurs to engage in innovative service delivery are created (UNDP).	# of in-depth market studies and consultations with the private sector and experts on the global trends on digital markets	N/A	2021	0	2	Report	UNDP
	# of start-ups launched	39	2022	43	48	Transfer acts	UNDP, Youth Agency, MoID
	# of integrated digital platforms developed	N/A	2022	0	3	Progress reports, Transfer acts, field visits	UNDP, Local Hakimiyats MoID
	# of supported organization for sustained provision of IT, digitalization training	N/A	2022	0	3	Transfer acts	UNDP Local Hakimiyats
	# of digital infrastructure projects supported and created	N/A	2022	0	2	Transfer acts	UNDP Hakimiyats
Output 2.2. Skills of young women and men to become as next generation of smart digital entrepreneurs are improved (UNDP)	# of young people (f/m) and women improved their skills in modern business applications and social media engagement. Disaggregated by gender	60	2021	20	60	Training report/ spot checks, pre- and post-tests	UNDP, Hakimiyats Youth Agency
	# of young people and women facilitated intensive knowledge exchange and master classes. Disaggregated by gender	95	2021	115	155	Master class report	UNDP Hakimiyats Youth Agency

	# of young entrepreneurs (girls) had webinars with leading experts . Disaggregated by gender	N/A	2022	0	40	Training report	UNDP Hakimiyats Youth Agency
	# of young people (f/m) benefited from internship programs for young entrepreneurs. Disaggregated by gender	N/A	2022	0	10	Internship contracts	UNDP Hakimiyats Youth Agency MoID
	# of youth, women, disabled improved knowledge on digital technology through awareness-raising campaigns conducted among target underprivileged groups. Disaggregated by gender	N/A	2022	0	150	Training report	UNDP Hakimiyats
	# of digital business initiatives supported. Disaggregated by gender	2	2022	0	5	Transfer acts	UNDP Hakimiyats
Output 2.3 Employment and innovation through building capacity of young people with the focus on women and vulnerable youth with digital, social, employability, innovation and entrepreneurship skills are fostered (UNICEF)	# of girls and young women equipped with the digital skills (disaggregated by age)	58	2022	128	208	Partner/training reports (monthly)	UNICEF, IT Park
	# of young people equipped with social innovation and social entrepreneurship skills	212	2022	262	302	Partner/training reports (monthly)(every round of UPSHIFT)	UNICEF, IICAS
	# of youth-led projects supported with seed funding and mentoring support	33	2022	38	43	Partner/training reports (monthly)	UNICEF, IICAS
	# of small & medium companies on startups established	5	2022	6	7	Partner/training reports (monthly)	UNICEF, IICAS
	# of young people trained and retrained in the specialized center to improve and development their entrepreneurship skills/knowledge (disaggregated by gender and age)	N/A	2022	100	400	Partner/training reports (monthly)	UNICEF, MoELR, Employment Support Centers
Outcome 3. The evidence-based climate change	Recipient institutions efficiently plan afforestation works based on research driven data on soil composition of land on the dried bed of the Aral Sea	N/A	2022	N/A	Yes	Reports, complex afforestation plan	UNDP, ICWC

adaptation measures and agricultural resilience with focus on smart agro practices and green approaches are enhanced (UNDP, FAO)	# of jobs created in target communities per year that will result in sustainable income within the Project	652	2021	680	780	Reports, Training reports	UNDP, FAO IICAS, Khokimiyats
Programme outputs	Programme Outcome 3 contributes to the output #1 (Local management practices and knowledge of ecosystem services are improved), 2 (New technologies in the area of water purification, agroforestry, afforestation, and soil stabilization are piloted), 3 (The quality of water, air and soil pollution is monitored and addressed through local regulatory practices) of the Outcome 1: The stress on local communities due to the deteriorating environmental situation reduced; output 7 (Local infrastructure investments for access and distribution of clean water are increased) of the Outcome 3: Local community access to affordable and healthy food and clean drinking water secured of the MPHTSF Results Matrix.						
Output 3.1 Data repository on the evidence-based monitoring of the dried Aral Sea bed established (UNDP)	# of reports on conducted expeditions to the dried bed of the Aral Sea	2	2021	3	4	Reports	UNDP, IICAS, ICWC
Output 3.2. Diversification of livelihood strategies introduced including the enabling activities in the agriculture resilience (FAO).	# of rural women are equipped with handicraft and other alternative income generation skills in 3 districts. Disaggregated by gender	348	2022	378	448	Training reports	FAO
	# of young people trained with e-commerce and entrepreneurship skills through workshops and training. Disaggregated by gender	25	2021	50	175	Training reports	FAO
	# of smallholder farmers are capacitated with new skills and knowledge on sustainable agriculture through Farmer Field schools. Disaggregated by gender	N/A	2022	50	200	Training reports	FAO
	# of smallholder farmers of targeted districts are trained and aware of existing green soft loans	N/A	2022	50	200	Training reports	FAO
	# of smallholder farmers are provided with new types of seeds of salt-tolerant crops and more resilient to water-shortages. Disaggregated by gender	N/A	2022	175	350	Transfer acts with beneficiaries	FAO
	# of pilot projects/farmers equipped and tested new technologies adjusted to local conditions such as: drip irrigation equipment, installation of water wells. Disaggregated by gender	51	2022	71	96	Transfer acts with beneficiaries	FAO

	# of women of targeted districts are provided with equipment and items for development of their handicraft skills and generate alternative income. Disaggregated by gender	21	2022	36	66	Transfer acts with beneficiaries	FAO
Output 3.3. Climate adaption practices are promoted through innovative, smart and green approaches to build the resilience of the rural households, farmers and green communities (UNDP).	# of communities with newly established access to clean drinking water.	14	2022	15	16	Transfer acts with beneficiaries.	UNDP
	# of people have access to clean drinking water in target communities	0	2022	0	2000	Transfer acts with beneficiaries.	UNDP, Local Hakimiyats,
	# of youth and women initiatives supported for smart agro-practices and technologies at communities. Disaggregated by gender	N/A	2022	0	20	Transfer acts with beneficiaries.	UNDP, IICAS
	# of farmers, youth, women strengthened skills and knowledge on smart agro- practices and green growth. Disaggregated by gender	N/A	2022	0	20	Training reports	UNDP
	# of low income households equipped with innovative agricultural African Grower System and Hydroponic. Disaggregated by gender	N/A	2022	0	15	Transfer acts with beneficiaries.	UNDP, Local Hakimiyats, MoMFA
	# of smallholder farmers of targeted districts are trained and aware of existing green soft loans that are already being provided by banks. Disaggregated by gender	N/A	2022	0	300	Training reports	UNDP, Local Hakimiyats,
	# of the developed integrated green local development model at the community level and presented to the Government (MoEDPR) for consideration of upscaling and replication	N/A	2022	0	1	Report	UNDP, Local Hakimiyats
# of supported green initiatives at pilot farms and enterprises in cooperation with Farmer`s Council	N/A	2022	0	3	Transfer acts with beneficiaries	UNDP, Local Hakimiyats	

Table 2. Risk Ranking Matrix

Considering that Aral Sea region has diverse challenges associated both with climate and environmental situations, structural changes, inadequate local capacities in various areas, poor social infrastructure, etc. This creates diversity of risks, which might potentially put at risk the project implementation.

Among those risks are climate change potential globally especially in the face of the draught of the Aral Sea which has intensified the natural disasters and shocks in the region, including the draught, dust storms, strong winds, cold winters, which affects the people and put at risk the potential for implementation of agro and other activities and practices in the remote communities. Considering recent developments, frequent staff turnover in local government, changes in government policy, unstable economic situation due to COVID-19, price fluctuations and increase in costs of inputs as well as weak capacity of regional authorities for data collection and statistical analysis.

The project will implement a number of strategies that proved to be effective in addressing such risks. Some of them will include establishing and maintaining a good line of communication among all implementing partners, development of Karakalpakstan regional strategy, dedicated funding for disaster preparedness and implementing training on human security and policy analysis. To reduce the risks associated with limited government commitment to diverse community projects supported through the project, the project will require cost sharing by local authorities and/or communities.

The project management model will be adaptive so that risks will be annually revised as risks management strategy will be refined to address evolving circumstances. The Project board will be fully informed to take adaptive measures in risk circumstance.

No	Risk	Character	Impact	Probability	Mitigation Strategy
1	Governmental or institutional changes may delay the achievement of project objectives.	Political Institutional	Moderate	Low	To reduce risk, the project involves working with multiple partners and documenting knowledge (retaining and transferring knowledge through briefs, recommendations, instructions, guidelines, etc.), as well as strengthening the institutional capacity of partners so that important information and potential is preserved even with staff rotation.
2	Possible deterioration of the economic situation may negatively affect the results of the project.	Financial	Moderate	low	The project envisages tracking the estimates and forecasts made by the Ministry of Finance in order to prevent any negative consequences from potential fluctuations.

3	Natural disasters in the coming period could disrupt agricultural production as well as slow down trade.	Ecological	Moderate	Low	In case of natural disasters, the project team will inform partners and stakeholders on measures to minimize damage and / or adapt to the current situation.
4	Impact of the ongoing COVID-19 pandemic or similar public health crisis on the continuity and implementation of the project	Operational	High	High	<p>Thorough monitoring of the COVID-19 situation in the country as a whole, in the Republic of Karakalpakstan and target communities.</p> <p>The project will comply with relevant government regulations and decisions in order to reduce the health risk of project staff and stakeholders. If necessary, the implementation of project activities can be temporarily suspended in target areas during the implementation of public measures for the prevention or control of diseases. Project work plan may need to be revised.</p>
5	Underground water resource level may decrease in some communities, which may affect on purification of necessary water volume to be supplied to communities.	Operational	Moderate	Low	During feasibility study of the project and construction design, the project will consider it and require appropriate engineering solutions to reach necessary level of underground water resources and ensure sufficient clean water supply to communities.

6	Limited irrigation water resources in agriculture may affect on agricultural initiatives	Ecological	Moderate	Low	Thorough monitoring of the water scarcity situation in the Republic of Karakalpakstan and target communities, the project will take necessary steps such as initiating water saving technologies in project sites.
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6 Management and Coordination Arrangements

6.1 Governance structure and decision-making process of the project/programme, including but not limited to the organization structure.

A Project Steering Committee will be established to effectively coordinate project activities and serve as a mechanism for review, analysis and taking necessary decision and actions in the course of the project implementation. The Project Steering Committee members will include local stakeholders, participating UN agencies (UNDP, UNICEF, FAO), relevant government departments (Ministry of Economic Development and Poverty Reduction of the Republic of Uzbekistan, Council of Ministers of Karakalpakstan), as well as other national partners. MIFT, IICAS as an implementing partner for the social innovation and social entrepreneurship programme, UPSHIFT IT Park under the Ministry of ICT as an implementing partner of the Skills4Girls programme, MoELR to adapt and integrate the Aflayouth curriculum in the local Employment Support Centers.

The Project Steering Committee decisions will be made in accordance to standards that shall ensure management for development results, best value money, fairness, integrity and transparency. This Committee will ensure that required resources are committed and will arbitrate on any conflicts within the project or negotiate a solution to any problems between the projects and external bodies. The Project Steering Committee will be meeting on a regular basis at least twice a year. Close coordination with the national government (key ministries and institutions) will ensure alignment with strategic priorities and timely feedback on the course of the project implementation.

UNDP will be the lead/convening agency in implementing this Programme. Therefore, UNDP will be responsible for consolidating Narrative reports and submitting them to the MPHSTF Secretariat and UNDP MPTF Office, on behalf of the PUNOs (UNICEF, FAO). The implementation of the project activities will be the responsibility of the Participating UN Organizations and will be carried out by each Participating UN Organization in accordance with its own applicable regulations, rules, policies and procedures including those relating to procurement as well as the selection and assessment of implementing partners. Accordingly, personnel will be engaged and administered, equipment, supplies and services purchased, and contracts entered into in accordance with the provisions of such regulations, rules, policies and procedures.

For the UNDP part, the close coordination with the national government (key ministries and institutions) will ensure alignment with strategic priorities and timely feedback on the course of the project implementation.

The project will be implemented by the Project team to be based in Nukus (administrative centre of the Republic of Karakalpakstan), and supported/supervised by the UNDP CO. The responsibility of the daily monitoring of implementation of the project will lay with the Project Manager and implementation team.

For efficiency purposes for the UNDP part, the existing organigram of the ongoing UNDP, UNFPA and FAO Joint Programme “Unleashing young people’s and vulnerable citizens’ creativity and innovation by strengthening their adaptive capacity to address the economic and food insecurities in the exposed communities of the Aral Sea region” (funded by the MPHSTF) will be maintained, and while existing team will utilize 20% of their time to provide inputs for the proposed programme implementation, additional team will be recruited including Specialists and Team Leaders for the programme implementation. They will be deployed in addition to the existing Organigram of the ongoing UNDP, UNFPA and FAO Joint Programme.

6.2 List national, local partners, NGOs, CSOs and communities and outline a strategy to ensure the stakeholders engagement and describe their respective roles and responsibilities

The programme document development process was inclusive and consultative. The following national partners were involved into the consultation process: Ministry of Economic Development and Poverty Reduction of Uzbekistan

- 2.5.2.1. Ministry of Investment and Foreign Trade of Uzbekistan
- 2.5.2.2. Council of Minister of Republic of Karakalpakstan
- 2.5.2.3. Ministry of Employment and Labour Relations in Karakalpakstan
- 2.5.2.4. Ministry of Water Resources of Uzbekistan
- 2.5.2.5. Ministry of Agriculture of Karakalpakstan
- 2.5.2.6. Ministry of Innovation of Karakalpakstan
- 2.5.2.7. International Innovation Centre of Aral Region under the President of the Republic of Uzbekistan
- 2.5.2.8. Scientific-Information Center of the Interstate Commission for Water Coordination in Central Asia (SIC ICWC)
- 2.5.2.9. District Khokimiyats of Chimbay, Kegeili and Karayziak
- 2.5.2.10. Youth Agency
- 2.5.2.11. Ministry of Information Technology
- 2.5.2.12. Ministry of Public Education
- 2.5.2.13. Forestry Department of Uzbekistan

The proposed activities within the frame of this programme are the product of the joint consultations with the programme partners as listed above, where the relevance and alignment of listed outputs with the government programmes and priorities were confirmed. Therefore, based on the inputs and cooperation with the national partners, proposed programme document was developed in line with MPHSTF strategy.

During the implementation phase of the programme close interactions and coordination will be made with national and international partners active in the region, especially within the objective 1 of the project to ensure better coordination and increase of efficiency of results of all actors working in the Aral Sea region.

The programme (if approved) will also develop the Stakeholder engagement plan, as part of the Partnership strategy of the programme.

The key partner of the project is the Ministry of Economic Development and Poverty Reduction of the Republic of Uzbekistan - the Ministry will coordinate the project activities at national level and also will be one of the key partners in the process of development of the integrated green local development model for the community/makhalla level, for further upscaling and replication.

The **Ministry of Investment and Foreign Trade** – will be the key programme partners in implementing the 1st objective of the programme.

Another key partner is **the Council of Ministers of the Republic of Karakalpakstan** - it will coordinate the project activities at the regional level and will be the key government body to support the regular coordination with the multiple partners of the project.

The **Forestry Department of Uzbekistan** jointly with the **Scientific-Information Center of the Interstate Commission for Water Coordination in Central Asia** and **International Innovation Center for the Aral Sea region under the Presidential Administration** will be fully engaged in organization of the expeditions to the dried sea bed.

The **Ministry of Innovative Development, Ministry of Agriculture, IICAS, IT Park, Ministry of Public Education, Ministry of Labour** will be involved in implementing and consulting in delivering the targets set both within the 2nd and 3rd objectives.

Other **relevant ministries, Khokimiyats of the target districts of Karakalpakstan** and target communities will be involved in the implementation of the proposed project activities.

During the identification of territories and needs, consultations and discussions were made with local organizations, community members, and mahallar leaders. Despite the fact that no focus group discussions were done, separate interviews and consultations took place, which resulted in identification of needs, challenges and priorities for local communities. The participants of consultations positively responded on the planned programme.

6.3 Main characteristics of primary beneficiaries (disaggregated data age, gender, socioeconomic level, geographic area, etc.)

Overall number of beneficiaries: The proposed Project will benefit 241,155 people from 3 northern districts (Chimbay- 113,947, Kegeyli- 73,594, Karauzyak- 53,614) of Karakalpakstan that are among the most affected districts by the Aral Sea crisis consequences. The specific focus will be given to youth (14-30 age group), women and vulnerable groups of people (disabled, women-headed families, unemployed youth).

Under Objective One, the Programme envisions to cover several groups of beneficiaries. Considering that within this Objective, the proposed Project is to facilitate the discussions among the members of the Advisory Committee and the development of new projects proposals in line with the Integrated Roadmap, as well as to develop a Monitoring Tool and a Data Repository for the Region, this Objective has a broad range of beneficiaries. Direct beneficiaries include the Government of Uzbekistan, Key Ministries and Agencies, International Development Partners and Donors, Government of Karakalpakstan and local Khokimiyats who will be able to use the Monitoring tool and Data Repository for the region. Indirect beneficiaries will include all those who live in the Aral Sea region.

Under Objective Two, Within this component 1,453 young people and women will benefit from the project, from the following specific support:

- 60 youth and women obtained skills and knowledge on digital business applications
- 60 youth and women gained practical knowledge from digital-savvy experts
- 40 people enhanced knowledge on new digital financial products
- 10 young entrepreneurs gained hands-on experience at the regional level
- 150 youth, women, with disabilities improved knowledge on digital technologies and services
- 50 young entrepreneurs obtained hands on experience through internship with leading enterprises
- 3 digital business projects supported
- At least 150 girls are equipped with computer literacy and digital skills;
- At least 90 young people (at least 50% girls) are equipped social innovation and entrepreneurship skills
- At least 10 youth teams receive seed-funding and mentoring support in incubation of their projects
- At least 400 young people are equipped with employability, entrepreneurship skills and financial literacy
- At least 25 trainers have strengthened capacity to deliver skills-building need-based programmes using the Human-Centered-Design/ Design-Thinking methodology

Under Objective Three, within this component 3,185 rural young people and women will benefit from the project, from the following specific support:

- 2,000 rural people have access to clean drinking water
- 20 youth and women improved food and economic securities from financed at least 1 smart agro-practice

- 60 farmers, youth, women strengthened skills and knowledge on smart agro-practices and green development
- 15 rural people improved economic and food securities from financed 30 African Grower System and Hydroponics for livestock development
- 100 rural women of are equipped with handicraft and other alternative income generation skills
- 150 young people of 18-30 years old (50% are females) are trained with e-commerce and entrepreneurship skills through workshops and trainings
- 200 smallholder farmers are capacitated with new skills and knowledge on sustainable agriculture through Farmer Field schools
- 200 smallholder farmers of targeted districts are trained and aware of existing green soft loans
- 350 smallholder farmers are provided with new types of seeds of salt-tolerant crops and more resilient to water-shortages
- 45 smallholder farmers are equipped with water-saving technology equipment, such as: drip irrigation equipment, installation of water wells
- 45 women are provided with sewing machines and equipment for development of their handicraft skills and generate alternative income

In addition, the developed and proposed integrated green local developed model will also benefit the government institutions including MoEDPR and CM of RK, particularly from the model's further upscaling and replication.

6.4 Participation of local communities and/or civil society including youth in decision-making processes, design, implementation and M&E.

The core of the programme is built based on the consultations with different partners and findings of the different studies that document the needs of local communities and vulnerable groups including youth. Therefore, the programme intends specifically to involve youth and residents of the local communities in local decision-making process, design and implementation of the proposed programme activities. For this purpose, it is planned to organize different capacity building activities on the range of the subjects and support/finance locally proposed ideas and projects to be implemented by the project beneficiaries. During this process necessary support will be provided to equip the beneficiaries (youth, community members) with required skills on business projects implementation and M&E, including the collecting, analyzing and using a range of data relevant to youth and gender responsive decision-making.

The consultations and engagement of diverse partners into the open exchange of ideas and information-sharing about the programme, human security concept, development impact will support consensus building and prioritization of activities. It will generate willingness of local communities and governments to collaborate with each other and engage into consultations and productive work and results.

Strong partnerships will be created with local NGOs, associations, communities and local Governments. The new project will build on and strengthen those partnerships by providing more long term support and by providing information and training on concepts of human security, SDGs, project objectives and expected impact, which they can adapt in their plans and programs. The project will launch a public awareness campaign that will strengthen these partnership ties, highlight achievements, and demonstrate the value of the human security approach. As a result, the feedback from NGOs and other associations will be heard and adapted in further project implementation. The project will work on potential of cooperation with those organizations to increased the benefit of the results to population. Local groups will also be used during the implementation of different activities by using their own experiences, networks and expertise. Their experience can be used in increasing awareness about self-entrepreneurship opportunities, establishing pilot projects, opportunities from using digital tools. In the new project partnerships with the Business Women's Association, Farmers' Association, Chamber of Commerce and Industry, Women's Committee, community- based organizations, cultural, educational and research institutions, and other civil society

organizations will be relied upon and further strengthened by involving them in various phases of interventions.

On M&E capacity building for use different existing platform will be used including the U-Report digital platform. At the moment, U-Report allows to conduct polls at the regional and district level and will give us disaggregation by gender and age. Karakalpakstan is the largest U-Report region after Tashkent in Uzbekistan with the coverage of 13,655 young people (as of 12 January - the number is growing every day).

6.5 Mechanism (s) to ensure local ownership of the results.

In order to ensure the local ownership on the results, the rural youth will be engaged in establishing digital platforms at the district level in 3 target districts, designing new green project proposals, and sharing their best-practices in order to create required knowledge for transformative changes in the mindset of the beneficiaries on their roles in programme implementation and ownership.

Thai project is focused on people, and engagement of people is crucial in order to ensure ownership and sustainability of results. Community engagement and mobilization at the start of the project initiatives by raising awareness on programme plans and potential impact on people is crucial. UNDP will use its experience in community engagement and mobilization so people would be part of the process not aside.

The project will facilitate engagement of rural youth and local residents in conducting the monitoring of the projects that will be funded by the project, which will increase the ownership of beneficiaries on the project initiatives and on the expected results.

The programme will also support the capacity building of the IICAS through developing a geoinformation system of the dried sea bed of Aral Sea. This will improve and enhance the M&E capacity of the IICAS, which will eventually have the ownership on the developed geoinformation system.

The Programme Steering Committee will be also used as a mechanism to advocate for the local ownership over the programme results. The programme outreach strategy will also target the local partners and beneficiaries to regularly inform them on the results of the programme and organize joint events with local partners to discuss the programme implementation path and jointly agree on necessary actions for addressing any challenges.

2.1 Mainstreaming of gender and women's empowerment

The proposed programme will have gender mainstreaming considerations as one of the interconnected and cross cutting development aspects, especially in the context of strengthened Government focus and prioritization towards gender equality. The programme will be in line with the "National Gender Strategy" Adopted in 2021 identifying the priorities for increasing the socio- political activity of women, strengthening their role in government and society, increasing economic independence and ensuring the employment of women and young people, especially those living in remote rural communities.

In addition, the programme will consider two laws on "Guarantees of equal rights and opportunities for men and women" and on "Protection of Women from Harassment and Violence" approved in September 2019 by the Government.

The project will have strong gender focus, with two-pronged focus on women's empowerment: (i) on enhancing women's role in decision making at local level, and (ii) on innovative pilot initiatives specifically targeting rural women. This will be done as follows:

- Enhancing women's role in decision making through capacity building and by improving women's access to digital services and access to better basic services such as drinking water.

- Identifying women in difficult social-economic situation, encouraging them to participate in the training program to promote their self-confidence, and capacitate them to consider new income opportunities by opening family and individual entrepreneurship;
- Providing the funding support for income generation project proposals among the trained rural women/youth who are willing to start their own business and showcase the successes for upscale.
- In terms of the overall implementation of the activity and its monitoring, gender equality will figure at all stages of the project implementation (to ensure gender sensitive policies and action plans), monitoring and evaluation.
- One of the criteria for the selection of the trainees and trainers for the capacity-building activities will be the gender balance. Therefore, the activity will contribute to improving women's livelihoods. In addition, women experts and specialists will be involved in the implementation of the activities conducted within the activity.

All skills-building initiatives foreseen by this joint project will ensure equal numbers of male and female beneficiaries participation. Specific outreach activities will be targeted at adolescent girls and women, especially from disadvantaged communities, the content and facilities will be made appealing to them, e.g. provision with the devices and the Internet, coverage of the participation- associated costs.

There are green initiatives such as African Grower System, Smart Agriculture, Hydroponic fodder development, Skills4Girls, UPSHIFT, specifically focused on breaking gender social stereotypes by empowering girls to become successful in all involved sectors of entrepreneurship and innovation, including in digitalization. Girls and women will drive innovations in their communities and the region,

2.2 Specific measurable indicators related to gender equality and women's empowerment.

Gender balance will be equally supported with within the programme. Taking into consideration the character of local situations and availability of the job places as well as activeness of young women and girls, the programme will conduct women empowerment activities, advocacy on breaking gender stereotypes, and facilitate their engagement in the community activities at the same level as men as much as it will be possible.

The programme envisions to empower women lead activities by building and enhancing their skills in digitalization, entrepreneurship and smart agro practices development. The programme will aim to reach 40% women beneficiaries in its activities.

Objective 2 will focus to train and stimulate entrepreneurship among vulnerable women; specifically in three target districts, it will directly benefit at least 500 women through trainings, and indirectly additional 500 women through trained community leaders.

Under the Component 3, at least 50 women will get self-employment opportunities through support of the programme, while over 1,000 the rural women/youth at communities will be primarily benefiting from the improved access to drinking water and green growth projects.

7 Fund Management Arrangements

The proposed project will be implemented under the pass-through funding modality. UNDP will be the lead/convening agency in implementing this project. Therefore, UNDP will be responsible for consolidating Narrative reports and submitting them to the MPHSTF Secretariat and UNDP MPTF Office.

Each Participating UN Organization will establish a separate ledger account under its financial regulations and rules for the receipt and administration of the funds disbursed to it by the Administrative Agent from the Fund Account. That separate ledger account will be administered by each Participating UN Organization in accordance with its own regulations, rules, policies and procedures, including those relating to interest.

Each Participating UN Organization will use the funds disbursed to it by the Administrative Agent from the Fund Account to carry out the activities for which it is responsible as set out in the approved programmatic document, as well as for its indirect costs.

The implementation of the project activities will be the responsibility of the Participating UN Organizations and will be carried out by each Participating UN Organization in accordance with its own applicable regulations, rules, policies and procedures including those relating to procurement as well as the selection and assessment of implementing partners. Accordingly, personnel will be engaged and administered, equipment, supplies and services purchased, and contracts entered into in accordance with the provisions of such regulations, rules, policies and procedures.

Ownership of equipment and supplies procured, and intellectual property rights associated with works produced, using funds transferred to the Participating UN Organisations under the Memorandum of Understanding between the PUNOs and UNDP MPTF Office on operational aspects of the MPHSTF will be determined in accordance with the regulations, rules, policies and procedures applicable to such Participating UN Organizations, including any agreement with the relevant Host Government, if applicable.

Where a Participating UN Organization wishes to carry out its Fund activities through or in collaboration with a third party, it will be responsible for discharging all commitments and obligations with such third parties, and no other Participating UN Organization, nor the Administrative Agent, will be responsible for doing so.

Within the proposed project, there is no plan for the transfer of cash to the national implementing partners.

8 Monitoring, Evaluation and Reporting

8.1 Project/programme specific institutional setting and implementation arrangements for monitoring and reporting and evaluation;

Programme monitoring and evaluation will be regularly conducted in accordance with the established procedures of UNDP, UNICEF and FAO, and will be ensured by these UN agencies. Regular progress review will be conducted by the relevant project staff, and quality assurance will be conducted by the respective colleagues from participating PUNOs.

Regular meetings with local and national partners will be held in order to discuss the progress of the programme, identify risks, challenges and opportunities and find necessary solutions. Also, it will be performed in line with the requirements of the MPHSTF. The data will be collected according to the Logical Framework and indicators listed in Table 1.

The respective project focal points from each participating agency will monitor the progress and results of the day to day project activities. Various monitoring and evaluation tools will be utilized in a complementary manner, including field reports and interviews with key stakeholders and project beneficiaries.

8.2 Methodologies for monitoring and reporting of the key outcomes of the project/programme;

To monitor the progress of the programme, a baselines (quantitative and qualitative indicators) established and documented in this programme proposal will be regularly assessed in order to document the progress

and deploy corrective measures as might be applicable in consultation with the Project Board. At the end of the programme, an impact assessment will be carried out to assess the effectiveness and impact of programme to improve the livelihoods of the target population in the region.

The programme will also work with the MPHSTF Technical Secretariat in the process of monitoring of the results achieved. The baseline and the impact assessment will be combined in an analytical study provided to the MPHSTF on the 'before' and 'after' results of the MPHSTF investment and in order to draw lessons for similar cases. UNDP, UNICEF and FAO will ensure that their internal and component specific monitoring systems are aligned with the endorsed M&E plan.

The results of the monitoring will be brought to the attention of the Project Board, which serves as a mechanism for review, analysis and taking necessary decision and actions in the course of the project. The Project Board may also decide to create a joint monitoring team of recipient UN agencies and national counterparts to conduct field visits, meeting with beneficiaries and getting direct feedback on the progress and results of the project and otherwise monitor progress of the project. Such feedback mechanism is designed to improve the relevance and effectiveness of project interventions.

The day-to-day technical and financial monitoring of the implementation of the programme will be a continuous process, and part of the implementing partner's responsibilities. To this aim, the project shall establish a permanent internal, technical and financial monitoring system and elaborate regular progress reports (quarterly – as set by the MPHSTF) and final reports. Every report shall provide an accurate account of implementation of the project activities, difficulties encountered, changes introduced, as well as the degree of achievement of its results (outputs and direct outcomes) as measured by corresponding indicators, using as reference the Logical Framework matrix (for project modality) or the partner's strategy, policy or reform action plan list (for budget support).

The monitoring will also include assessing the quality of the trainings through the following tools:

- Monitoring the level of knowledge acquired by testing before (pre-training) and after (post-training) the trainings. Also where, required, the participant should score at least 70 per cent in post-test to qualify for certification;
- Post training follow up supervision and coaching online or onsite: trainers will carry out integrated supportive supervision visits after 2 and 6 months and as a one of their tasks will assess the skills of the trained professional and provide feedback. During the project life cycle, it is proposed to conduct at least two supervision visits.
- Field monitoring, field visits by staff, trainers and experts to conduct follow up supervision, assess the skills of trained professionals, provide feedback and observe functioning of new infrastructure and facilities.

A final assessment of the project will be carried out in the last semester of the project to measure achievements against selected indicators and assess the effectiveness and impact of programme to improve the livelihoods of the target population in the region. Tools used for situation analysis and assessment at the beginning of the project will be used.

8.3 Estimated allocation of resources for M&E.

The proposed programme has allocated in total US \$ 23,000 for M&E activities, including the partial costs of one project staff on M&E, and regular monitoring visits.

9 Communication and Visibility

9.1 Communication Plan (at least tentative) for the Programme/Project duration with identified communication objectives, target groups, expected results, tools and channels, and resources for the implementation of the plan.

Communication materials will aim:

- to increase awareness among the local population, partners and stakeholders on the initiatives realized in the framework of the joint programme
- to increase visibility of the donors' and the impact of their contribution to the improved opportunities of the local population
- to showcase participants of the joint programme as the role models for the rest of the population

The following communication plan and specific tools will be used to best advocate the added value of the human security approach and programme lessons learnt:

- Specific thematic leaflets, infographics and flyers with basic fact sheets for wide dissemination;
- Short publications (including analytical reports and policy briefs), such as brochures highlighting the programme at the local and national context, including interviews with stakeholders, beneficiaries;
- Quarterly newsletters to inform on the progress of programme and its results, highlighting the "before and after" situation;
- Articles on relevant national and international websites;
- Press releases in concomitance with major events attended by high level officials;
- Visits by national/local mass media and press visits and open house days where journalist are invited to ask questions and where good practices are presented; documentary clips;
- Interviews with beneficiaries and stakeholders including interviews with donors and if possible policy makers (featured on relevant websites, national/local mass media) and photo exhibitions (featured on relevant websites, national/local mass media, displayed during photocompositions or visits to sites and meetings).
- Success stories and programme related information materials will be circulated through various publications.

9.2 Availability of resources (HR, technical capacity, etc) to implement the Communication Plan for the duration of the programme

UNDP team has one dedicated PR and Outreach Specialist who will be fully engaged in Communication and PR activities of the programme. The UNDP CO Communication Analyst will also provide overall support to the programme.

UNICEF Communications team is competent and will support implementation of the joint project by corresponding coverage of the process and results achieved.

9.3 Adherence and contribution to the MPHSTF's CBM Strategy and the EU Communication and Visibility Plan.

The programme will constantly contribute to the MPHSTF's CBM Strategy, the EU Communication and Visibility Plan, as well as requirements of other donors on visibility during the programme implementation.

10 Legal Context or Basis of Relationship

This section specifies what cooperation or assistance agreements⁹ form the legal basis for the relationships between the Government and each of the UN organizations participating¹⁰ in this project.

For the ExCom Agencies, these are standing cooperation arrangements. For the specialized Agencies, these should be the text that is normally used in their programme/project documents or any other applicable legal instruments.

The text specific to each participating UN organization should be cleared by the respective UN organization.

Table 3 below provides illustrative examples on various UN organizations' cooperation arrangements.

Table 3: Basis of Relationship (illustrative examples)

Participating UN organization	Agreement
UNDP	This Project Document shall be the instrument referred to as the Project Document in Article I of the Standard Basic Assistance Agreement between the Government of Uzbekistan and the United Nations Development Programme, signed by the parties on June 10, 1993.
UNICEF	The legal basis for UNICEF's cooperation in the country is the signed Basic Cooperation Agreement between the Government of Uzbekistan and UNICEF in 1994. This project will be implemented within the framework of UNSDCF and the Country Program Action Plan for 2021-2025 signed between UNICEF and the Government of Uzbekistan.
FAO	The Food and Agriculture Organization of the United Nations and the Government of Uzbekistan signed cooperation agreement for the establishment of the FAO Representation in Uzbekistan on June 5, 2014

The Implementing Partners/Executing Agency¹¹ agree to undertake all reasonable efforts to ensure that none of the funds received pursuant to this Project are used to provide support to individuals or entities associated with terrorism and that the recipients of any amounts provided by Participating UN organizations do not appear on the list maintained by the Security Council Committee established pursuant to resolution 1267 (1999). The list can be accessed via <http://www.un.org/Docs/sc/committees/1267/1267ListEng.htm>. This provision must be included in all sub-contracts or sub-agreements entered into under this programme document.

⁹ Such as: the Basic Cooperation Agreement for UNICEF; Standard Basic Assistance Agreement for UNDP, which also applies to UNFPA; the Basic Agreement for WFP; as well as the Country Programme Action Plan(s) where they exist; and other applicable agreements for other participating UN organizations.

¹⁰ Including Specialized Agencies and Non Resident Agencies participating in the Joint Programme

¹¹ Executing Agency in case of UNDP in countries with no signed Country Programme Action Plans

11 Work plans and budgets

11.1 Identify how proposed program is commensurate to the intended outputs and outcomes (i.e. value for money and competitiveness of total cost of the program per beneficiary).

The proposed programme fully commensurate with the intended outputs and outcomes. All requires actions have been taking during the process of proposal development to ensure this, including consultations with relevant partners, defining the exact number of beneficiaries, quantity of the projects to be supported.

For efficiency purposes, UNDP will use the existing organigram of the ongoing UNDP, UNICEF, FAO joint programme (funded by the MPHSTF) for the implementation of the proposed programme.

The programme implementation will be carried out by the UNDP project team in Nukus, jointly with the involvement of the experts of UNICEF and FAO, which possess relevant knowledge and expertise in delivering results at community level. Based on the accumulated best-practices from other MPHSTF funded projects and projects funded by other donors, the project implementers (UNDP, UNICEF, FAO) have generated proven experience in joint implementation of projects in the region jointly with government institutions and communities, where partners also provide their substantive inputs which will be expanded within the proposed project.

This would help enormously to efficiently implement the proposed interventions, ensure their sustainability and mitigate relevant risks. In the process of selecting projects, the programme will closely collaborate and coordinate with the Local Government Partners such as the Council of Ministers of Karakalpakstan, Ministry of Economic Development and Poverty Reduction, and other stakeholder to ensure their support and avoid duplications and fragmented approaches.

The expertise of each participating agency will be used in order to increase the efficiency and effectiveness of the project activities. For instance, all PUNOs will be jointly and thoroughly plan the activities including capacity building events, workshops, and seminars, thereby increasing the value- added and benefit for the local population. The programme tenders will be also conducted based on the set procurement procedures of the PUNOs in order to ensure the best value for money.

11.2 Develop budget that commensurates to the program design that is realistic and in line with the United Nations Sustainable Development (UNDG) categories

The proposed programme budget is developed in line with the provided guidance by the MPHSTF and enclosed as attachment to the current proposal.

11.3 Detail project co-financing contributions and in-kind contributions, if any

The proposed proposal will have co-financing in the amount of \$110,000. This amount is provided from the core funds of the UNDP in order to jointly implement the 1st objective of the programme. Those funds will be used for recruiting the necessary experts including international expert to provide the policy and technical support to the Government to implement the integrated roadmap for the Aral Sea region.

Table 4. Work Plan for: “Empowering Youth Towards a Brighter Future through Green and Innovative Development of the Aral Sea region” Period (January- December 2023)

Detailed description	UN organization	Implementing Partner	2023				PLANNED BUDGET, in USD
			Q1	Q2	Q3	Q4	
Objective 1. Support the monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region (UNDP)							
Output 1.1. Development of holistic project proposals by the members of Working group on Sustainable Investments of the Advisory Committee is facilitated.							
Activity 1.1.1. Conduct thematic workshops for the Working Group on Sustainable Investments and on a semi-monthly basis to facilitate the discussions on the implementation of the Integrated Roadmap. Provide support to MIFT in facilitation and coordination of the work of established thematic groups, including support in building dialogue between the potential donors and national stakeholders and other implementation agencies on the thematic areas of interest	UNDP	UNDP, MIFT	X	X	X	X	49 108.00
Activity 1.1.2. Develop institutional capacity of relevant national partners in applying systems thinking and portfolio approach in development of project proposals through the introduction of online training courses	UNDP		X	X	X		34 900.00
Activity 1.1.3. Conduct comprehensive analysis of donor landscape, with key focus on donors targeting environment and livelihoods in the region, by matching the donor needs against the ongoing thematic areas within the Integrated Roadmap. Development of a regular donor mapping mechanism	UNDP		X				18 704.00
Activity 1.1.4. Facilitate the development of concrete project proposals by working group members by application of systems	UNDP		X				15 100.00

approach and harmonization of the process to avoid duplications and to mitigate gaps in thematic areas.								
Output 1.1. Subtotal								117 812.00
Output 1.2. Monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region is enhanced.								
Activity 1.2.1. Conduct mapping of existing monitoring tools that have been in use by ministries and Government agencies, analyze efficiency including pros and cons of each tool, identify takeaways of each tool. Conduct mapping of international practice on implementation of project/programme monitoring tools, extract best practice applicable to local context.	UNDP	UNDP, MIFT, MinInn	X	X	X			10 000.00
Activity 1.2.2. Develop detailed Terms of Reference for the development of online monitoring tool with inclusion of key and relevant indicators and measures for monitoring and evaluation, based on national and international practice.	UNDP		X	X	X	X		10 000.00
Activity 1.2.3. Develop an online project monitoring and evaluation system/tool that allows to effectively manage and oversee the Aral Sea related initiatives/interventions in real time mode with breakdowns on different groups of population, regions and sectors	UNDP		X	X	X	X		82 000.00
Activity 1.2.4. Provide technical support to the Government in development and introduction of protocols and procedures, for both national and international users, for effective coordination and monitoring of Aral Sea interventions, using gender-sensitive indicators	UNDP		X	X	X	X		4 140.00
Activity 1.2.5. Support the mechanism of constant updating of the database and operationalization of the monitoring system.	UNDP		X	X	X	X		4 520.00
Output 1.2. Subtotal								110 660.00

Output 1.3. Data Repository established to facilitate Evidence-based decision making by donors and policymakers.							
Activity 1.3.1. Development of catalogue of datasets within the existing and publicly available data relating to the Aral Sea region. Conduct analysis of relevance of the datasets to the context, identify gaps in existing datasets, develop the list of missing datasets for further collection	UNDP	UNDP, MIFT, State Statistics Committee, E-Gov't	X				8 370.00
Activity 1.3.2. Mapping of international best practices on user-friendly online Data Repositories, conducting capacity building activities for the national partners on statistics/data collection based on international best practices.	UNDP		X	X	X		6 320.00
Activity 1.3.3. Development of the Terms of Reference by taking into account technical and non-technical aspects of online Data Repository	UNDP		X	X	X		4 950.00
Activity 1.3.4. Development of the guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations and other facets of implementation, which have significant design implications for the proposed data repository	UNDP		X			X	2 950.00
Activity 1.3.5. Development of the Online Data Repository based on the existing platform of Open Data of Uzbekistan, with due modifications as per the developed TOR.	UNDP		X			X	112 099.35
Output 1.3. Subtotal							134 689.35
Objective 1. Subtotal							363 161,35
UNDP contribution (GMS and DPC amount included in 120 000)							120 000,00

OBJECTIVE 1. Total (Funds requested from Donor)							243 161,35
Objective 2. Increase access to livelihoods, decent employment, social infrastructure through digitalization for the most vulnerable youth and women in three target districts of Karakalpakstan (UNDP, UNICEF)							
Output 2.1. Creating of conditions for young entrepreneurs to engage in innovative service delivery (UNDP)							
Activity 2.1.1. Conduct in-depth market studies and consultations with the private sector and experts on the trends in the area of digital markets and value-chain development, and use the findings to propose new package of solutions for the Aral Sea region's digital development, focusing also on increase of local value chain in food and goods supply.	UNDP	UNDP, Youth Agency, MoID, Local Hakimiyats	X				3 000.00
Activity 2.1.2. Launch a start-up contest jointly with Youth Affairs Agency and the Regional Department of Ministry of Innovative Development of Uzbekistan to establish an integrated digital platform in the 3 target districts.	UNDP		X	X	X		39 000.00
Activity 2.1.3. Establish and support 3 digital platforms with necessary tools, equipment, and capacity building support, to make them able to provide services to the local users, which among others include the digital solutions on effective communication, delivery chains, food & goods supply	UNDP		X	X			5 700.00
Activity 2.1.4 Develop institutional capacity of 3 monocenter and IT Park in the target districts for enhanced quality and sustained provision of training programmes in IT and digitalization for young people with the specific focus on young and women.	UNDP		X	X	X		48 300.00

Activity 2.1.5 Identify and develop small scale digital infrastructure at least 2 in 3 remote communities based on the business proposals selected on complete base among the youth and women (max 3 proposal will be supported), that will enable a full opportunity to engage in digital entrepreneurship including digital marketing.	UNDP		X	X			152 296.94
Output 2.1. Subtotal							248 296,94
Output 2.2. Improving skills of young women and men to become as next generation of smart digital entrepreneurs (UNDP).							
Activity 2.2.1. Organize series of the capacity building trainings as follows: - Conduct 3 trainings for 60 youth and women on modern business applications (OLX, ZOOD Mall, Apelsin etc.) and use of social media for entrepreneurship (Instagram, Telegram, Youtube, Google Analytics). Promote/Share stories and personal experience of successful young entrepreneurs from the Aral Sea region; - Facilitate and conduct 3 master classes covering 60 youth from target districts, that will engage internationally recognized digital-savvy experts and global creative spaces to bring advice and tips for starting a digital business and establishing business models for scaling business-lead technology solutions; - Organize 6 webinars for 40 young entrepreneurs (targeting young girls) on new digital financial products by attracting leading experts and consultants in this field (Apelsin, Anorbank, Tenge Bank, TBC bank etc.). Set up network, exchange, knowledge/sharing. Introduce advantages of digital approach in business activities and its opportunities;	UNDP	UNDP, Hakimiyats Youth Agency, MoID	X	X			9 000.00

Activity 2.2.2. Organize 6 (2 in each district) practical experience exchanges of young entrepreneurs with successful local business leaders. Pilot an internship program for at least 10 young entrepreneurs in order to gain hands on experience at the regional level, considering also engagement with the other enterprises in the country. Conduct 6 awareness-raising campaigns covering 150 people from vulnerable groups (youth, women, disabilities) from target districts. Present benefits of digital technologies and opportunities, encouraging use of digital services.	UNDP		X	X			20 180.00
Activity 2.2.3. Work with local Banks and jointly support (co-finance) 3 digital business initiatives from youth (young girls) from the 3 target districts.	UNDP		X	X			40 035.13
Output 2.2. Subtotal							69 215,13
Output 2.3 Fostering employment and innovation through building capacity of young people, with the focus on women and vulnerable youth, with digital, social, employability, innovation and entrepreneurship skills (UNICEF)							
Activity 2.3.1 Implementing Skills4Girls programme	UNICEF	UNICEF, IT Park, International Innovation Center for the Aral Sea Basin (IICAS), MoELR, Employment Support Centers	X	X	X		47 360.00
Activity 2.3.2 Implementing social innovation and social entrepreneurship programme UPSHIFT	UNICEF		X	X	X		41 760.00
Activity 2.3.3 Implementing Social, employability, entrepreneurial skills and financial literacy programme Aflayouth	UNICEF		X	X	X		56 000.00
Activity 2.3.4 UNICEF Adolescents and Youth Development Officer (NoB) 50%	UNICEF		X	X	X		33 498.00

Activity 2.3.5. Monitoring, needs assessment and evaluation cost (including travel, pre- and post-survey, report and U-Report activities, translation, sms traffic and FGDs)	UNICEF		X	X	X		16 783,26
Output 2.3. Subtotal							195 401,26
Objective 2. Subtotal							512 913,33
Objective 3. Promote climate change adaptation measures through climate smart agro practices to increase the food and environmental security of the population, thereby proposing the model of the integrated green local development of communities (UNDP, FAO)							
Output 3.1 Data repository established in order to promote the evidence-based monitoring of the dried Aral Sea bed, the results of which used for addressing the environmental insecurities the local population face; (UNDP)							
Activity 3.1.1. Conduct monitoring of remaining 1.5 million hectares of the drained seabed.	UNDP	UNDP, IICAS, ICWC	X	X	X	X	131 070,54
Output 3.1. Subtotal							131 070,54
Output 3.2. Diversification of livelihood strategies introduced including the enabling activities in the agriculture resilience (FAO).							
Activity 3.2.1. Expand knowledge and capacity on sustainable agricultural practices. These include, but are not limited to, mulching, installation of water saving technologies, and growing salt-tolerant crops. This will enable local farmers to be more resilient to water shortages, soil salinization and climate change impacts. This also includes introduction of smart phone applications for sustainable agriculture such as water monitoring.	FAO	FAO, UNDP	X	X	X	X	53 500.00

<p>Activity 3.2.2. Build capacity on rural e-commerce development in order to support the direct connection rural communities and producers to the market. This component will be closely linked with Objective 2 and recognizing that many women and youth are involved in agriculture may include joint trainings where applicable. One focus of this goal is to develop and/or promote smart phone applications for transportation and delivery of products from rural communities to the market suitable for Karakalpakstan.</p>	FAO		X	X	X	X	85 900.00
<p>Activity 3.2.3. Support access to green finance through trainings on business plan development, online banking, and how to apply for loans and grants. It is envisioned that green finance can be used to support solar panel pumps, bioenergy equipment, installation of drip irrigation and laser leveling among other things. Long-term, access to green finance is essential to transform the agricultural sector from traditional energy consumption to sustainable energy consumption and even generation. Recognizing that green finance is applicable outside of the agriculture sector, activities in this component will also be closely coordinated with those of Objective 2.</p>	FAO		X	X	X	X	25 800.00
<p>Activity 3.2.4. Support and capacity development on alternative income generation activities. Training seminars on handicrafts and business marketing in agriculture will be organized for youth and women of pilot areas. Special focus will be given to the development of "Aral Sea" region product branding.</p>	FAO		X	X	X	X	65 572.25
Output 3.2 Subtotal							230 772.25
Output 3.3. Promoting the climate adaption practices through innovative, smart and green approaches to build the resilience of the rural households, farmers and green communities (UNDP).							
<p>Activity 3.3.1. Provide access to clean drinking water for the population of at least 2 remote communities in the three target districts.</p>	UNDP	UNDP, IICAS, Local	X	X	X	X	250 000.00

Activity 3.3.2. Introduce smart agriculture practices and technologies through financing at least 1 local initiative by youth and women at the community levels; and provide necessary capacity building to 20 youth & women to support the proposed initiatives' implementation (in cooperation with local Khokimyats, Ministry of Innovation).	UNDP	Hakimiyats, MoMFA	X	X	X	X	60 000.00
Activity 3.3.3. Enhance access of 15 vulnerable households to innovative vertical and sustainable growing systems such as African Grower System and Hydroponics for livestock development.	UNDP		X	X	X	X	45 000.00
Activity 3.3.4. Analyze the results of the proposed and financed initiatives within the frame of the programme, including the challenges in pilot communities.	UNDP		X	X	X	X	2 622.00
Activity 3.3.5. Provide cost-benefit analyses and impact assessments of the most common and promising green interventions (practices, solutions, and technologies) that were deployed in the pilot communities and districts within the frame of other similar initiatives.	UNDP		X	X	X	X	2 622.00
Activity 3.3.6. Based on the outcomes of above activities, design and develop the integrated green local development model at the community level and present it to the Government - MoEDPR for consideration of upscaling and replication.	UNDP		X	X	X	X	79 880.38
Support pilot green initiatives of farms and enterprises in target districts in cooperation with Farmer's Council.							
Output 3.3. Subtotal							440 124.38
Objective 3. Subtotal							801 967.17

Objective 4 Subtotal (Funds from Donor)							
Project Management Expenses	UNDP		X	X	X	X	61 959.70
Objective 4. Subtotal							61 959.70
Total Funds requested from Donor:							1 620 001.55
UNDP contribution							120 000.00
Total Planned Budget							1 740 001.55

Table 5. Detailed budget

Detailed description	Budget Categories*	Item line budget			Total Amount
		Item description	Unit cost	Number of units	
OBJECTIVE 1. Support the monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region (UNDP)					
Output 1.1. Development of holistic project proposals by the members of Working group on Sustainable Investments of the Advisory Committee is facilitated.					
Activity 1.1.1. Conduct thematic workshops for the Working Group on Sustainable Investments and on a semi-monthly basis to facilitate the discussions on the implementation of the Integrated Roadmap. Provide support to MIFT in facilitation and coordination of the work of established thematic groups, including support in building dialogue between the potential donors and national stakeholders and other implementation agencies on the thematic areas of interest					
Activity 1.1.2. Develop institutional capacity of relevant national partners in applying systems thinking and portfolio approach in development of project proposals through the introduction of online training courses					
Activity 1.1.3. Conduct comprehensive analysis of donor landscape, with key focus on donors targeting environment and livelihoods in the region, by matching the donor needs against the ongoing thematic areas within the Integrated Roadmap. Development of a regular donor mapping mechanism					
Activity 1.1.4. Facilitate the development of concrete project proposals by working group members by application of systems approach and harmonization of the process to avoid duplications and to mitigate gaps in thematic areas					
International consultant on Partnerships Building (UNDP core fund USD 60,000)	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$9 352,00	4	\$37 408.00
International consultants on proposal development (including on innovative finance)	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$16 900,00	1	\$16 900.00
International consulting company for the development of an online training course	Contractual services (including consultants,	payment per proposal	\$10 000.00	1	\$10 000.00

	meetings, workshops and conferences)				
International consultant on Partnerships Building (UNDP core fund USD 60,000)	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$9 352.00	2	\$18 704.00
International consultants on proposal development (including on innovative finance)	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$9 900.00	1	\$9 900.00
Translation services (written and oral)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$800,00	10	\$8 000,00
Travel to the region	Travel	per each travel	\$300,00	9	\$2 700,00
Venue and catering for workshops	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$900,00	10	\$9 000,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	2	\$4 200,00
Mobile phone for International Consultant	Equipment, Vehicles and Furniture	Lump sum	\$1 000,00	1	\$1 000,00
Output 1.1. Subtotal					\$117 812,00
Output 1.2. Monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region is enhanced.					
Activity 1.2.1. Conduct mapping of existing monitoring tools that have been in use by ministries and Government agencies, analyze efficiency including pros and cons of each tool, identify takeaways of each tool. Conduct mapping of international practice on implementation of project/programme monitoring tools, extract best practice applicable to local context					
Activity 1.2.2. Develop detailed Terms of Reference for the development of online monitoring tool with inclusion of key and relevant indicators and measures for monitoring and evaluation, based on national and international practice					
Activity 1.2.3. Develop an online project monitoring and evaluation system/tool that allows to effectively manage and oversee the Aral Sea related initiatives/interventions in real time mode with breakdowns on different groups of population, regions and sectors					

Activity 1.2.4. Provide technical support to the Government in development and introduction of protocols and procedures, for both national and international users, for effective coordination and monitoring of Aral Sea interventions, using gender-sensitive indicators					
Activity 1.2.5. Support the mechanism of constant updating of the database and operationalization of the monitoring system.					
National Consultant for conducting mapping and analysis of existing monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
International Consultant for conducting mapping and analysis of international monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$6 000,00	1	\$6 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	1	\$1 000,00
International Consultant on development of ToR and technical specifications for online tool	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$9 000,00	1	\$9 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	1	\$1 000,00
International consulting company for the development of a software for the online project monitoring tool	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$80 000,00	1	\$80 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	2	\$2 000,00
National Consultant for conducting mapping and analysis of existing monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 500,00	1	\$3 500,00

Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	2	\$640,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 500,00	2	\$3 000,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Travel to the region	Travel	per each travel	\$300,00	4	\$1 200,00
Output 1.2. Subtotal					\$116 660,00
Output 1.3. Data Repository established to facilitate Evidence-based decision making by donors and policymakers.					
Activity 1.3.1. Development of catalogue of datasets within the existing and publicly available data relating to the Aral Sea region. Conduct analysis of relevance of the datasets to the context, identify gaps in existing datasets, develop the list of missing datasets for further collection					
Activity 1.3.2. Mapping of international best practices on user-friendly online Data Repositories, conducting capacity building activities for the national partners on statistics/data collection based on international best practices.					
Activity 1.3.3. Development of the Terms of Reference by taking into account technical and non-technical aspects of online Data Repository					
Activity 1.3.4. Development of the guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations and other facets of implementation, which have significant design implications for the proposed data repository					
Activity 1.3.5. Development of the Online Data Repository based on the existing platform of Open Data of Uzbekistan, with due modifications as per the developed TOR.					
National Consultant(s) on collection of data for the region, including development of a catalogue	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$7 000,00	1	\$7 000,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00

Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
International Consultant for mapping international best practice on Data repository development	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$4 000,00	1	\$4 000,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Translation services, written	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
International Consultant for development of a ToR and technical specifications for Data repository	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$4 000,00	1	\$4 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
International Consultant for development of guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$2 000,00	1	\$2 000,00
Translation services, written	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
Consulting Company for Development/Modification of a software for the Data Repository	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00

National Consultants for inserting the catalogue into the Data repository	Contractual services (including consultants, meetings, workshops and conferences)	monthly payment	\$2 000,00	3	\$6 000,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Travel to the region	Travel	per each travel	\$300,00	3	\$900,00
Salary of Team Leader on coordination of Objective 1, NPSA-8	Staff	monthly payments	\$2 010,45	10	\$20 104,50
Salary of Project Focal Point (from UNDP contribution)	Staff	monthly payments	\$3 325,00	12	\$39 900,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	1	\$2 100,00
Objective 1. Miscellaneous expenses DPC - 5% (Funds requested from Donor)	General operating and other direct costs	Lump sum			\$10 821,00
Objective 1. GMS 7% (Funds requested from Donor)	Indirect costs	Lump sum			\$15 903,85
Output 1.3. Subtotal					\$134 689,35
Objective 1 Subtotal					\$363 161,35
UNDP contribution (GMS and DPC amount included in 120 000)					\$120 000,00
Objective 1 Subtotal (Funds from Donor)					\$243 161,35

Objective 2. Increase access to livelihoods, decent employment, social infrastructure through digitalization for the most vulnerable youth and women in three target districts of Karakalpakstan (UNDP, UNICEF)					
Output 2.1. Creating of conditions for young entrepreneurs to engage in innovative service delivery (UNDP)					
Activity 2.1.1. Conduct in-depth market studies and consultations with the private sector and experts on the trends in the area of digital markets and value-chain development, and use the findings to propose new package of solutions for the Aral Sea region's digital development, focusing also on increase of local value chain in food and goods supply.					
Activity 2.1.2. Launch a start-up contest jointly with Youth Affairs Agency and the Regional Department of Ministry of Innovative Development of Uzbekistan to establish an integrated digital platform in the 3 target districts.					
Activity 2.1.3. Establish and support 3 digital platforms with necessary tools, equipment, and capacity building support, to make them able to provide services to the local users, which among others include the digital solutions on effective communication, delivery chains, food & goods supply.					
Activity 2.1.4 Develop institutional capacity of 3 monocenter and IT Park in the target districts for enhanced quality and sustained provision of training programmes in IT and digitalization for young people with the specific focus on young and women.					
Activity 2.1.5 Identify and develop small scale digital infrastructure at least 2 in 3 remote communities based on the business proposals selected on complete base among the youth and women (max 3 proposal will be supported), that will enable a full opportunity to engage in digital entrepreneurship including digital marketing.					
Local consultant for conducting in-depth market research on the global trends on digital markets	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
Local consultant for launching start-up contest	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	3	\$9 000,00
Financing winners of start-up contests for developing All-in-One Digital Platform through Youth Affairs Agency	Transfers and grants to counterparts	lump sum	\$10 000,00	3	\$30 000,00
Local consultant for establishing online communication channels through the integrated digital platform through conducting workshops	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 000,00	3	\$3 000,00

Travel to the region	Travel	per each travel	\$300,00	9	\$2 700,00
Translation services (written and oral)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$800,00	3	\$2 400,00
Venue and catering for workshops	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$900,00	1	\$900,00
Procurement of PCs and necessary office equipment for IT training centers	Transfers and grants to counterparts	per set of equipment	\$15 000,00	3	\$45 000,00
Procurement of IT infrastructure equipment	Transfers and grants to counterparts	per set of equipment	\$50 000,00	2	\$100 000,00
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$521,00	2	\$1 042,00
Salary of Team Leader on Community Resilience Building, NPSA-8	Staff	monthly payments	\$2 010,45	6	\$12 062,70
Salary of Digitalization specialist, NPSA-7	Staff	monthly payments	\$1 983,06	6	\$11 898,36
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$11 050,15
GMS 7%	Indirect costs	Lump sum			\$16 243,73
Output 2.1. Subtotal					\$248 296,94
Output 2.2. Improved skills of young women and men from the three target districts as next generation of smart digital entrepreneurs (UNDP).					

<p>Activity 2.2.1. Organize series of the capacity building trainings as follows:</p> <ul style="list-style-type: none"> - Conduct 3 trainings for 60 youth and women on modern business applications (OLX, ZOOD Mall, Apelsin etc.) and use of social media for entrepreneurship (Instagram, Telegram, Youtube, Google Analytics). Promote/Share stories and personal experience of successful young entrepreneurs from the Aral Sea region; - Facilitate and conduct 3 master classes covering 60 youth from target districts, that will engage internationally recognized digital-savvy experts and global creative spaces to bring advice and tips for starting a digital business and establishing business models for scaling business-lead technology solutions; - Organize 6 webinars for 40 young entrepreneurs (targeting young girls) on new digital financial products by attracting leading experts and consultants in this field (Apelsin, Anorbank, Tenge Bank, TBC bank etc.). Set up network, exchange, knowledge/sharing. Introduce advantages of digital approach in business activities and its opportunities; 					
<p>Activity 2.2.2. Organize 6 (2 in each district) practical experience exchanges of young entrepreneurs with successful local business leaders. Pilot an internship program for at least 10 young entrepreneurs in order to gain hands on experience at the regional level, considering also engagement with the other enterprises in the country. Conduct 6 awareness-raising campaigns covering 150 people from vulnerable groups (youth, women, disabilities) from target districts. Present benefits of digital technologies and opportunities, encouraging use of digital services.</p>					
<p>Activity 2.2.3. Work with local Banks and jointly support (co-finance) 3 digital business initiatives from youth (young girls) from the 3 target districts.</p>					
Local consultant for conducting trainings for youth and women on modern business applications and social media	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant on facilitating intensive knowledge exchange and master classes	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for young entrepreneurs on new digital financial products/innovative financing	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for awareness-raising campaigns conducted among target underprivileged groups	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for organizing internship programs for young entrepreneurs	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00

Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	4	\$1 280,00
Local consultant on supporting and promoting crowdfunding platforms to improve access to start-up financing for digital entrepreneurs, particularly youth and women	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Venue and catering for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 500,00	4	\$6 000,00
Travel to the region	Travel	per each travel	\$300,00	6	\$1 800,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	1	\$2 100,00
Salary of Team Leader on Income Generation	Staff	monthly payments	\$2 010,45	6	\$12 062,70
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$432,00	2	\$864,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$3 080,34
GMS 7%	Indirect costs	Lump sum			\$4 528,09
Output 2.2. Subtotal					\$69 215,13
Output 2.3 Fostering employment and innovation through building capacity of young people, with the focus on women and vulnerable youth, with digital, social, employability, innovation and entrepreneurship skills (UNICEF)					
Activity 2.3.1 Implementing Skills4Girls programme					
Outreach campaign to girls, targeted at the most vulnerable	travel	Transportation to the selected districts from Nukus	\$30,00	3 districts 2 cohorts of girls	\$180,00

Development of needs-based modular ICT curriculum for girls	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00
Translation of the programme curriculum, T&L materials to Karakalpak	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
Enhancing capacity of the local trainers in IT centers of two of the target districts in delivering curriculum in student-centered and gender-sensitive approach (payment of the trainers of ToT)	Contractual services (including consultants, meetings, workshops and conferences)	payment per ToT per trainer	\$200	2 trainers in 2 districts 4 days	\$3 200
Delivering computer and digital skills programme to girls (fee to 4 trained facilitators per month)	Transfers and grants to counterparts	monthly payment to a trainer	\$300	2 trainer per district 2 districts 6 months	\$7 200
Communication materials, such as posters, leaflets (design and printing)	Contractual services (including consultants, meetings, workshops and conferences)	payment to designer and typography	\$250,00	2 cohorts	\$500,00
Stationary for trainings, including notebooks, pens, flip charts, markers, etc.	Supplies, commodities, materials	lump sum	\$200,00	2 cohorts	\$400,00
Hackathon event for girls from three regions as a closing event of the programme	Transfers and grants to counterparts	payment for event	\$6 000,00	1	\$6 000,00
Branded sweatshirts, powerbanks, headphones etc.	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$5 000,00	1	\$5 000,00
Transportation fee for girls from Karauzyak to Chimbay	Transfers and grants to counterparts	cost per one travel per girl	\$2,00	72 travels*20 girls	\$2 880,00
Administrative cost (direct cash transfer to the implementing partner, for the time dedicated to the programme implementation, including services of the project manager, assisstant and accountant)	Transfers and grants to counterparts	payment per one cycle of the programme	\$2 000,00	2 cycles/ cohorts	\$4 000,00
Activity 2.3.2 Implementing social innovation and social entrepreneurship programme UPSHIFT					

Conducting an outreach campaign in every district through social media and in-person meetings at mahalla level (transportation costs)	travel	Transportation to the selected districts from Nukus	\$30,00	2 cycles of the programme	\$60,00
Communication materials, such as posters, leaflets for the outreach campaign (design and printing)	Contractual services (including consultants, meetings, workshops and conferences)	payment to designer and typography	\$250,00	2 cycles	\$500,00
Undertaking the capacity-building 5-day bootcamp (rent of venue, food to participants, stationary, for about 30-35 participants, 10 mentors and 2 trainers)	Transfers and grants to counterparts	cost of a bootcamp	\$4 300,00	2 cycles	\$8 600,00
Delivery of the capacity-building bootcamp (payment to 2 trainers for a 5-day bootcamp)	Transfers and grants to counterparts	daily fee to a trainer	\$100,00	5 day-bootcamp 2 bootcamps 2 trainers	\$2 000,00
Mentoring support during the 5-day bootcamp (payment to 10 mentors)	Transfers and grants to counterparts	payment to a mentor for bootcamp	\$200,00	10 mentors 2 bootcamps	\$4 000,00
Mentoring support to 5 teams during 3-month incubation (monthly payment to mentors)	Transfers and grants to counterparts	monthly payment to mentor	\$200,00	5 mentors 3 months 2 cycles	\$6 000,00
Transportation of 10 mentors and 2 trainers to the districts for the bootcamp (cost per district)	Transfers and grants to counterparts	cost per district	\$800,00	2 cycles	\$1 600,00
Transportation fee for young people participating from 2 other regions	Transfers and grants to counterparts	cost per district	\$800,00	2 cohorts and 2 regions	\$3 200,00
Seed-funding to 5 most promising youth projects in every cycle (each team receives \$1,000 for the incubation)	Transfers and grants to counterparts	seed-funding per team	\$1 000,00	5 teams in each of 2 cycles	\$10 000,00
Production of communication materials (services of the photographer and/or videographer for every cycle of the programme)	Contractual services (including consultants, meetings, workshops and conferences)	payment per cycle	\$600,00	2 cycles	\$1 200,00

Stationary including notebooks, pens, flip charts, markers, etc.	Supplies, commodities, materials	lump sum	\$300,00	2	\$600,00
Administrative cost (direct cash transfer to the implementing partner, IICAS, for the time dedicated to the programme implementation, including services of the project manager, assisstant and accountant)	Transfers and grants to counterparts	payment per cycle	\$2 000,00	2 cycles	\$4 000,00
2.3.3 Implementing Social, employability, entrepreneurial skills and financial literacy programme Aflayouth					
Translation of the guide, T&L and M&E materials to Karakalpak	Transfers and grants to counterparts	lump sum	\$2 000,00	1	\$2 000,00
Stationary including notebooks, pens, flip charts, markers, etc.	Transfers and grants to counterparts	lump sum	\$1 000,00	1	\$1 000,00
Building capacity of the local trainers (5-day ToT for each skill type by the international NGO Alfatoun)	Contractual services (including consultants, meetings, workshops and conferences)	payment per day	\$500,00	17 days 2 trainers	\$17 000,00
Delivery of the capacity-building training to school psychologists (monthly payment to 5 school psychologists in each district)	Transfers and grants to counterparts	monthly payment	\$200,00	5 trainers 3 districts 6 months	\$18 000,00
Printing of the T&L materials (cost per student)	Transfers and grants to counterparts	cost per student	\$20,00	500 students	\$10 000,00
Administrative costs (direct cash transfer to the implementing partners, Tashxis Center)	Transfers and grants to counterparts	payment per month	\$800,00	10 months	\$8 000,00
2.3.4 UNICEF Adolescents and Youth Development Officer (NoB) 50%	Staff	monthly payment	\$5 583	6 months	\$33 498,00
2.3.5. Monitoring, needs assessment and evaluation cost (including travel, pre- and post-survey, report and U-Report activities, translation, sms traffic and FGDs)	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$800,00	5 months	\$4 000,00
Indirect support cost (7%)	Indirect costs	Lump sum			\$12 783,26
Output 2.3. Subtotal					\$195 401,26
Objective 2 Subtotal (Funds from Donor)					\$512 913,33
Objective 3. Promote climate change adaptation measures through climate smart agro practices to increase the food and environmental security of the population, thereby proposing the model of the integrated green local development of communities (UNDP, FAO)					

Output 3.1 Establishing data repository on the evidence-based monitoring of the dried Aral Sea bed to address the environmental insecurities of the local population face; (UNDP)					
Activity 3.1.1. Conduct monitoring of remaining 1.5 million hectares of the drained seabed.					
Local experts and service providers	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$5 000,00	11	\$55 000,00
Supplies, goods, materials	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$3 000,00	2	\$6 000,00
Equipment, cars and furniture (including depreciation)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$3 000,00	2	\$6 000,00
Contractual services (including consultants, meetings, seminars and conferences)	Contractual services (including consultants, meetings, workshops and conferences)	per each travel	\$3 750,00	2	\$7 500,00
Travel, business trips	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$11 000,00	2	\$22 000,00
Grants to partners	Contractual services (including consultants, meetings, workshops and conferences)	per set of equipment	\$3 000,00	2	\$6 000,00
Team Leader on Social Services / Monitoring and Evaluation	Staff	monthly payments	\$2 010,45	6	\$12 062,70
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$700,00	3	\$2 100,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$5 833,14
GMS 7%	Indirect costs	Lump sum			\$8 574,71

Output 3.1. Subtotal					\$131 070,54
Output 3.2. Diversification of livelihood strategies introduced including the enabling activities in the agriculture resilience (FAO).					
Activity 3.2.1. Expand knowledge and capacity on sustainable agricultural practices. These include, but are not limited to, mulching, installation of water saving technologies, and growing salt-tolerant crops. This will enable local farmers to be more resilient to water shortages, soil salinization and climate change impacts. This also includes introduction of smart phone applications for sustainable agriculture such as water monitoring.					
Activity 3.2.2. Build capacity on rural e-commerce development in order to support the direct connection rural communities and producers to the market. This component will be closely linked with Objective 2 and recognizing that many women and youth are involved in agriculture may include joint trainings where applicable. One focus of this goal is to develop and/or promote smart phone applications for transportation and delivery of products from rural communities to the market suitable for Karakalpakstan.					
Activity 3.2.3. Support access to green finance through trainings on business plan development, online banking, and how to apply for loans and grants. It is envisioned that green finance can be used to support solar panel pumps, bioenergy equipment, installation of drip irrigation and laser leveling among other things. Long-term, access to green finance is essential to transform the agricultural sector from traditional energy consumption to sustainable energy consumption and even generation. Recognizing that green finance is applicable outside of the agriculture sector, activities in this component will also be closely coordinated with those of Objective 2.					
Activity 3.2.4. Support and capacity development on alternative income generation activities. Training seminars on handicrafts and business marketing in agriculture will be organized for youth and women of pilot areas. Special focus will be given to the development of "Aral Sea" region product branding.					
International consultant on Sustainable agriculture	Staff	monthly payments	\$3 500,00	3	\$10 500,00
Procurement for the Activity 3.2.1 including water saving technologies, seeds, etc	Equipment, Vehicles and Furniture	Lump sum	\$10 000,00	3	\$30 000,00
Procurement (for the Activity 3.2.4) Support and capacity development on alternative income generation activities of rural communities of targeted project sites	Equipment, Vehicles and Furniture	lump sum	\$5 000,00	3	\$15 000,00
National consultant on sustainable agriculture	Staff	monthly payments	\$1 500,00	3	\$4 500,00
FSS Trainer	Staff	monthly payments	\$1 500,00	3	\$4 500,00

FFS workshops for the activity 3.2.1	General operating and other direct costs	payment per each workshop	\$2 000,00	3	\$6 000,00
Translators/interpreters	Staff	days	\$250,00	20	\$5 000,00
IT Equipment	Equipment, Vehicles and Furniture	units	\$2 000,00	1	\$2 000,00
Procurement for the Activity 3.2.2 including tablets	Equipment, Vehicles and Furniture	lump sum	\$25 000,00	1	\$25 000,00
International consultant on e-commerce	Staff	monthly payments	\$3 500,00	3	\$10 500,00
National consultant on agricultural digitalization	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$1 800,00	3	\$5 400,00
Workshops on e-commerce	General operating and other direct costs	lump sum	\$3 000,00	3	\$9 000,00
National project facilitator	Staff	monthly payments	\$1 800,00	12	\$21 600,00
Project Assistant	Staff	monthly payments	\$1 200,00	12	\$14 400,00
Web-site creation to support activity 3.2.4	Transfers and grants to counterparts	lump sum	\$5 000,00	1	\$5 000,00
Workshops on 3.2.4 Support and capacity development on alternative income generation activities.	General operating and other direct costs	lump sum	\$4 000,00	3	\$12 000,00
National consultant on business plan development Activity 3.2.3.	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$1 800,00	3	\$5 400,00
Travel costs - international	Travel	per each travel	\$3 000,00	3	\$9 000,00
Travel costs- national	Travel	per each travel	\$500,00	12	\$6 000,00
National gender specialist	Staff	monthly payments	\$1 800,00	3	\$5 400,00
Technical Support Service to Project	General operating and other direct costs	per day	\$575,00	13	\$7 475,00

General operating and other direct costs	General operating and other direct costs	Lump sum	\$1 000,00	2	\$2 000,00
GMS for FAO (7%)	Indirect costs	Lump sum			\$15 097,25
Output 3.2. Subtotal					\$230 772,25
Output 3.3. Promoting the climate adaption practices through innovative, smart and green approaches to build the resilience of the rural households, farmers and green communities (UNDP).					
Activity 3.3.1. Provide access to clean drinking water for the population of at least 2 remote communities in the three target districts.					
Activity 3.3.2. Introduce smart agriculture practices and technologies through financing at least 1 local initiative by youth and women at the community levels; and provide necessary capacity building to 20 youth & women to support the proposed initiatives' implementation (in cooperation with local Khokimyats, Ministry of Innovation).					
Activity 3.3.3. Enhance access of 15 vulnerable households to innovative vertical and sustainable growing systems such as African Grower System and Hydroponics for livestock development.					
Activity 3.3.4. Analyze the results of the proposed and financed initiatives within the frame of the programme, including the challenges in pilot communities.					
Activity 3.3.5. Provide cost-benefit analyses and impact assessments of the most common and promising green interventions (practices, solutions, and technologies) that were deployed in the pilot communities and districts within the frame of other similar initiatives.					
Activity 3.3.6. Based on the outcomes of above activities, design and develop the integrated green local development model at the community level and present it to the Government - MoEDPR for consideration of upscaling and replication. Support pilot green initiatives of farms and enterprises in target districts in cooperation with Farmer's Council.					
Construction of water cleaning facilities in target districts / Procurement of equipment for construction of drinking water facility	Contractual services (including consultants, meetings, workshops and conferences)	payment per each facility	\$125 000,00	2	\$250 000,00
Procurement of energy and resource saving equipment for Farmers and /cooperatives have access to Smart agriculture tools and knowledge	Transfers and grants to counterparts	lump sum	\$60 000,00	1	\$60 000,00
Procurement of energy and resource saving equipment for low income households	Transfers and grants to counterparts	lump sum	\$3 000,00	15	\$45 000,00

Travel to the region	Travel	per each travel	\$375,00	3	\$1 125,00
Local consultant on green investment/finance	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 497,00	2	\$2 994,00
Procurement of equipment for supporting green initiatives at pilot farms and enterprises in cooperation with Farmer`s Council in the target districts.	Transfers and grants to counterparts	lump sum	\$10 500,00	3	\$31 500,00
Travel to the region	Travel	per each travel	\$375,00	3	\$1 125,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$19 587,20
GMS 7%	Indirect costs	Lump sum			\$28 793,18
Output 3.3. Subtotal					\$440 124,38
Objective 3 Subtotal (Funds from Donor)					\$801 967,18
Objective 4. Project Management UNDP					
Programme Manager, NPSA-10	Staff	monthly payments	\$3 289,88	6	\$19 739,28
Admin&Finance Specialist,m NPSA-7	Staff	monthly payments	\$1 983,06	6	\$11 898,36
1 Driver, NPSA-2	Staff	monthly payments	\$1 007,53	6	\$6 045,18
IT Consultant	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$80,00	10	\$800,00
Communication (telephone, Internet connection at the project office)	General operating and other direct costs	monthly payments	\$100,00	3	\$300,00
Stationery supply	General operating and other direct costs	Commodities	\$1 500,00	2	\$3 000,00
Contractual services (courier services, broker`s services, placement of vacancy/tender announcements) (UNDP)	Contractual services (including consultants, meetings, workshops and conferences)	Months	\$180,00	2	\$360,00

Utilities	General operating and other direct costs	Months	\$170,00	3	\$510,00
Transportation expenses (fuel, spare parts etc.)	General operating and other direct costs	Commodities	\$3 500,00	2	\$7 000,00
Travel	Travel	Trip	\$300,00	4	\$1 200,00
Printing	Contractual services (including consultants, meetings, workshops and conferences)	Booklets	\$537,00	8	\$4 296,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$2 757,44
GMS 7%	Indirect costs	Lump sum			\$4 053,44
Objective 4 Subtotal (Funds from Donor)					\$61 959,70
Total (Funds from Donor) :					\$1 620 001,55
UNDP contribution:					\$120 000,00
GRAND TOTAL					\$1 740 001,55

Table 5.1. Detailed budget (UNDP)

Detailed description	Budget Categories*	Item line budget			Total Amount
		Item description	Unit cost	Number of units	
OBJECTIVE 1. Support the monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region (UNDP)					
Output 1.1. Development of holistic project proposals by the members of Working group on Sustainable Investments of the Advisory Committee is facilitated.					
Activity 1.1.1. Conduct thematic workshops for the Working Group on Sustainable Investments and on a semi-monthly basis to facilitate the discussions on the implementation of the Integrated Roadmap. Provide support to MIFT in facilitation and coordination of the work of established thematic groups, including support in building dialogue between the potential donors and national stakeholders and other implementation agencies on the thematic areas of interest					
Activity 1.1.2. Develop institutional capacity of relevant national partners in applying systems thinking and portfolio approach in development of project proposals through the introduction of online training courses					
Activity 1.1.3. Conduct comprehensive analysis of donor landscape, with key focus on donors targeting environment and livelihoods in the region, by matching the donor needs against the ongoing thematic areas within the Integrated Roadmap. Development of a regular donor mapping mechanism					
Activity 1.1.4. Facilitate the development of concrete project proposals by working group members by application of systems approach and harmonization of the process to avoid duplications and to mitigate gaps in thematic areas					
International consultant on Partnerships Building (UNDP core fund USD 60,000)	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$9 352,00	4	\$37 408.00
International consultants on proposal development (including on innovative finance)	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$16 900,00	1	\$16 900.00
International consulting company for the development of an online training course	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$10 000.00	1	\$10 000.00

International consultant on Partnerships Building (UNDP core fund USD 60,000)	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$9 352.00	2	\$18 704.00
International consultants on proposal development (including on innovative finance)	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$9 900.00	1	\$9 900.00
Translation services (written and oral)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$800,00	10	\$8 000,00
Travel to the region	Travel	per each travel	\$300,00	9	\$2 700,00
Venue and catering for workshops	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$900,00	10	\$9 000,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	2	\$4 200,00
Mobile phone for International Consultant	Equipment, Vehicles and Furniture	Lump sum	\$1 000,00	1	\$1 000,00
Output 1.1. Subtotal					\$117 812,00
Output 1.2. Monitoring of implementation of the Integrated Roadmap for donor coordination in the Aral Sea region is enhanced.					
Activity 1.2.1. Conduct mapping of existing monitoring tools that have been in use by ministries and Government agencies, analyze efficiency including pros and cons of each tool, identify takeaways of each tool. Conduct mapping of international practice on implementation of project/programme monitoring tools, extract best practice applicable to local context					
Activity 1.2.2. Develop detailed Terms of Reference for the development of online monitoring tool with inclusion of key and relevant indicators and measures for monitoring and evaluation, based on national and international practice					
Activity 1.2.3. Develop an online project monitoring and evaluation system/tool that allows to effectively manage and oversee the Aral Sea related initiatives/interventions in real time mode with breakdowns on different groups of population, regions and sectors					
Activity 1.2.4. Provide technical support to the Government in development and introduction of protocols and procedures, for both national and international users, for effective coordination and monitoring of Aral Sea interventions, using gender-sensitive indicators					

Activity 1.2.5. Support the mechanism of constant updating of the database and operationalization of the monitoring system.					
National Consultant for conducting mapping and analysis of existing monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
International Consultant for conducting mapping and analysis of international monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$6 000,00	1	\$6 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	1	\$1 000,00
International Consultant on development of ToR and technical specifications for online tool	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$9 000,00	1	\$9 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	1	\$1 000,00
International consulting company for the development of a software for the online project monitoring tool	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$80 000,00	1	\$80 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per translation	\$1 000,00	2	\$2 000,00
National Consultant for conducting mapping and analysis of existing monitoring tools	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 500,00	1	\$3 500,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	2	\$640,00

Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 500,00	2	\$3 000,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Travel to the region	Travel	per each travel	\$300,00	4	\$1 200,00
Output 1.2. Subtotal					\$116 660,00
Output 1.3. Data Repository established to facilitate Evidence-based decision making by donors and policymakers.					
Activity 1.3.1. Development of catalogue of datasets within the existing and publicly available data relating to the Aral Sea region. Conduct analysis of relevance of the datasets to the context, identify gaps in existing datasets, develop the list of missing datasets for further collection					
Activity 1.3.2. Mapping of international best practices on user-friendly online Data Repositories, conducting capacity building activities for the national partners on statistics/data collection based on international best practices.					
Activity 1.3.3. Development of the Terms of Reference by taking into account technical and non-technical aspects of online Data Repository					
Activity 1.3.4. Development of the guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations and other facets of implementation, which have significant design implications for the proposed data repository					
Activity 1.3.5. Development of the Online Data Repository based on the existing platform of Open Data of Uzbekistan, with due modifications as per the developed TOR.					
National Consultant(s) on collection of data for the region, including development of a catalogue	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$7 000,00	1	\$7 000,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00

International Consultant for mapping international best practice on Data repository development	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$4 000,00	1	\$4 000,00
Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Translation services, written	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
International Consultant for development of a ToR and technical specifications for Data repository	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$4 000,00	1	\$4 000,00
Translation services, written (incl. translation of the ToR)	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
International Consultant for development of guidelines, which will elaborate on implementation alternatives, data governance considerations, IT considerations	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$2 000,00	1	\$2 000,00
Translation services, written	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$950,00	1	\$950,00
Consulting Company for Development/Modification of a software for the Data Repository	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00
National Consultants for inserting the catalogue into the Data repository	Contractual services (including consultants, meetings, workshops and conferences)	monthly payment	\$2 000,00	3	\$6 000,00

Venue for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 050,00	1	\$1 050,00
Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	1	\$320,00
Travel to the region	Travel	per each travel	\$300,00	3	\$900,00
Salary of Team Leader on coordination of Objective 1, NPSA-8	Staff	monthly payments	\$2 010,45	10	\$20 104,50
Salary of Project Focal Point (from UNDP contribution)	Staff	monthly payments	\$3 325,00	12	\$39 900,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	1	\$2 100,00
Objective 1. Miscellaneous expenses DPC - 5% (Funds requested from Donor)	General operating and other direct costs	Lump sum			\$10 821,00
Objective 1. GMS 7% (Funds requested from Donor)	Indirect costs	Lump sum			\$15 903,85
Output 1.3. Subtotal					\$134 689,35
Objective 1 Subtotal					\$363 161,35
UNDP contribution (GMS and DPC amount included in 120 000)					\$120 000,00
Objective 1 Total (UNDP)					\$243 161,35
Objective 2. Increase access to livelihoods, decent employment, social infrastructure through digitalization for the most vulnerable youth and women in three target districts of Karakalpakstan (UNDP, UNICEF)					

Output 2.1. Creating of conditions for young entrepreneurs to engage in innovative service delivery (UNDP)					
Activity 2.1.1. Conduct in-depth market studies and consultations with the private sector and experts on the trends in the area of digital markets and value-chain development, and use the findings to propose new package of solutions for the Aral Sea region's digital development, focusing also on increase of local value chain in food and goods supply.					
Activity 2.1.2. Launch a start-up contest jointly with Youth Affairs Agency and the Regional Department of Ministry of Innovative Development of Uzbekistan to establish an integrated digital platform in the 3 target districts.					
Activity 2.1.3. Establish and support 3 digital platforms with necessary tools, equipment, and capacity building support, to make them able to provide services to the local users, which among others include the digital solutions on effective communication, delivery chains, food & goods supply.					
Activity 2.1.4 Develop institutional capacity of 3 monocenter and IT Park in the target districts for enhanced quality and sustained provision of training programmes in IT and digitalization for young people with the specific focus on young and women.					
Activity 2.1.5 Identify and develop small scale digital infrastructure at least 2 in 3 remote communities based on the business proposals selected on complete base among the youth and women (max 3 proposal will be supported), that will enable a full opportunity to engage in digital entrepreneurship including digital marketing.					
Local consultant for conducting in-depth market research on the global trends on digital markets	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
Local consultant for launching start-up contest	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	3	\$9 000,00
Financing winners of start-up contests for developing All-in-One Digital Platform through Youth Affairs Agency	Transfers and grants to counterparts	lump sum	\$10 000,00	3	\$30 000,00
Local consultant for establishing online communication channels through the integrated digital platform through conducting workshops	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 000,00	3	\$3 000,00

Travel to the region	Travel	per each travel	\$300,00	9	\$2 700,00
Translation services (written and oral)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$800,00	3	\$2 400,00
Venue and catering for workshops	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$900,00	1	\$900,00
Procurement of PCs and necessary office equipment for IT training centers	Transfers and grants to counterparts	per set of equipment	\$15 000,00	3	\$45 000,00
Procurement of IT infrastructure equipment	Transfers and grants to counterparts	per set of equipment	\$50 000,00	2	\$100 000,00
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$521,00	2	\$1 042,00
Salary of Team Leader on Community Resilience Building, NPSA-8	Staff	monthly payments	\$2 010,45	6	\$12 062,70
Salary of Digitalization specialist, NPSA-7	Staff	monthly payments	\$1 983,06	6	\$11 898,36
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$11 050,15
GMS 7%	Indirect costs	Lump sum			\$16 243,73
Output 2.1. Subtotal					\$248 296,94
Output 2.2. Improved skills of young women and men from the three target districts as next generation of smart digital entrepreneurs (UNDP).					

<p>Activity 2.2.1. Organize series of the capacity building trainings as follows:</p> <ul style="list-style-type: none"> - Conduct 3 trainings for 60 youth and women on modern business applications (OLX, ZOOD Mall, Apelsin etc.) and use of social media for entrepreneurship (Instagram, Telegram, Youtube, Google Analytics). Promote/Share stories and personal experience of successful young entrepreneurs from the Aral Sea region; - Facilitate and conduct 3 master classes covering 60 youth from target districts, that will engage internationally recognized digital-savvy experts and global creative spaces to bring advice and tips for starting a digital business and establishing business models for scaling business-lead technology solutions; - Organize 6 webinars for 40 young entrepreneurs (targeting young girls) on new digital financial products by attracting leading experts and consultants in this field (Apelsin, Anorbank, Tenge Bank, TBC bank etc.). Set up network, exchange, knowledge/sharing. Introduce advantages of digital approach in business activities and its opportunities; 					
<p>Activity 2.2.2. Organize 6 (2 in each district) practical experience exchanges of young entrepreneurs with successful local business leaders. Pilot an internship program for at least 10 young entrepreneurs in order to gain hands on experience at the regional level, considering also engagement with the other enterprises in the country. Conduct 6 awareness-raising campaigns covering 150 people from vulnerable groups (youth, women, disabilities) from target districts. Present benefits of digital technologies and opportunities, encouraging use of digital services.</p>					
<p>Activity 2.2.3. Work with local Banks and jointly support (co-finance) 3 digital business initiatives from youth (young girls) from the 3 target districts.</p>					
Local consultant for conducting trainings for youth and women on modern business applications and social media	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant on facilitating intensive knowledge exchange and master classes	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for young entrepreneurs on new digital financial products/innovative financing	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for awareness-raising campaigns conducted among target underprivileged groups	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Local consultant for organizing internship programs for young entrepreneurs	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00

Translation services, oral during the trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$320,00	4	\$1 280,00
Local consultant on supporting and promoting crowdfunding platforms to improve access to start-up financing for digital entrepreneurs, particularly youth and women	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 500,00	3	\$4 500,00
Venue and catering for trainings	Contractual services (including consultants, meetings, workshops and conferences)	per each training	\$1 500,00	4	\$6 000,00
Travel to the region	Travel	per each travel	\$300,00	6	\$1 800,00
Procurement of IT equipment	Equipment, Vehicles and Furniture	per set of equipment	\$2 100,00	1	\$2 100,00
Salary of Team Leader on Income Generation	Staff	monthly payments	\$2 010,45	6	\$12 062,70
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$432,00	2	\$864,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$3 080,34
GMS 7%	Indirect costs	Lump sum			\$4 528,09
Output 2.2. Subtotal					\$69 215,13
Objective 2 Total (UNDP)					\$317 512.07
Objective 3. Promote climate change adaptation measures through climate smart agro practices to increase the food and environmental security of the population, thereby proposing the model of the integrated green local development of communities (UNDP, FAO)					
Output 3.1 Establishing data repository on the evidence-based monitoring of the dried Aral Sea bed to address the environmental insecurities of the local population face; (UNDP)					
Activity 3.1.1. Conduct monitoring of remaining 1.5 million hectares of the drained seabed.					

Local experts and service providers	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$5 000,00	11	\$55 000,00
Supplies, goods, materials	Contractual services (including consultants, meetings, workshops and conferences)	payment per proposal	\$3 000,00	2	\$6 000,00
Equipment, cars and furniture (including depreciation)	Contractual services (including consultants, meetings, workshops and conferences)	payment per each workshop	\$3 000,00	2	\$6 000,00
Contractual services (including consultants, meetings, seminars and conferences)	Contractual services (including consultants, meetings, workshops and conferences)	per each travel	\$3 750,00	2	\$7 500,00
Travel, business trips	Contractual services (including consultants, meetings, workshops and conferences)	per each workshop	\$11 000,00	2	\$22 000,00
Grants to partners	Contractual services (including consultants, meetings, workshops and conferences)	per set of equipment	\$3 000,00	2	\$6 000,00
Team Leader on Social Services / Monitoring and Evaluation	Staff	monthly payments	\$2 010,45	6	\$12 062,70
General operating and other direct costs	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$700,00	3	\$2 100,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$5 833,14
GMS 7%	Indirect costs	Lump sum			\$8 574,71
Output 3.1. Subtotal					\$131 070,54
Output 3.3. Promoting the climate adaption practices through innovative, smart and green approaches to build the resilience of the rural households, farmers and green communities (UNDP).					

Activity 3.3.1. Provide access to clean drinking water for the population of at least 2 remote communities in the three target districts.					
Activity 3.3.2. Introduce smart agriculture practices and technologies through financing at least 1 local initiative by youth and women at the community levels; and provide necessary capacity building to 20 youth & women to support the proposed initiatives' implementation (in cooperation with local Khokimyats, Ministry of Innovation).					
Activity 3.3.3. Enhance access of 15 vulnerable households to innovative vertical and sustainable growing systems such as African Grower System and Hydroponics for livestock development.					
Activity 3.3.4. Analyze the results of the proposed and financed initiatives within the frame of the programme, including the challenges in pilot communities.					
Activity 3.3.5. Provide cost-benefit analyses and impact assessments of the most common and promising green interventions (practices, solutions, and technologies) that were deployed in the pilot communities and districts within the frame of other similar initiatives.					
Activity 3.3.6. Based on the outcomes of above activities, design and develop the integrated green local development model at the community level and present it to the Government - MoEDPR for consideration of upscaling and replication. Support pilot green initiatives of farms and enterprises in target districts in cooperation with Farmer's Council.					
Construction of water cleaning facilities in target districts / Procurement of equipment for construction of drinking water facility	Contractual services (including consultants, meetings, workshops and conferences)	payment per each facility	\$125 000,00	2	\$250 000,00
Procurement of energy and resource saving equipment for Farmers and /cooperatives have access to Smart agriculture tools and knowledge	Transfers and grants to counterparts	lump sum	\$60 000,00	1	\$60 000,00
Procurement of energy and resource saving equipment for low income households	Transfers and grants to counterparts	lump sum	\$3 000,00	15	\$45 000,00
Travel to the region	Travel	per each travel	\$375,00	3	\$1 125,00
Local consultant on green investment/finance	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$1 497,00	2	\$2 994,00

Procurement of equipment for supporting green initiatives at pilot farms and enterprises in cooperation with Farmer`s Council in the target districts.	Transfers and grants to counterparts	lump sum	\$10 500,00	3	\$31 500,00
Travel to the region	Travel	per each travel	\$375,00	3	\$1 125,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$19 587,20
GMS 7%	Indirect costs	Lump sum			\$28 793,18
Output 3.3. Subtotal					\$440 124,38
Objective 3 Total (UNDP)					\$571 194,92
Objective 4. Project Management UNDP					
Programme Manager, NPSA-10	Staff	monthly payments	\$3 289,88	6	\$19 739,28
Admin&Finance Specialist,m NPSA-7	Staff	monthly payments	\$1 983,06	6	\$11 898,36
1 Driver, NPSA-2	Staff	monthly payments	\$1 007,53	6	\$6 045,18
IT Consultant	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$80,00	10	\$800,00
Communication (telephone, Internet connection at the project office)	General operating and other direct costs	monthly payments	\$100,00	3	\$300,00
Stationery supply	General operating and other direct costs	Commodities	\$1 500,00	2	\$3 000,00
Contractual services (courier services, broker`s services, placement of vacancy/tender announcements) (UNDP)	Contractual services (including consultants, meetings, workshops and conferences)	Months	\$180,00	2	\$360,00
Utilities	General operating and other direct costs	Months	\$170,00	3	\$510,00
Transportation expenses (fuel, spare parts etc.)	General operating and other direct costs	Commodities	\$3 500,00	2	\$7 000,00
Travel	Travel	Trip	\$300,00	4	\$1 200,00

Printing	Contractual services (including consultants, meetings, workshops and conferences)	Booklets	\$537,00	8	\$4 296,00
Miscellaneous expenses DPC - 5%	General operating and other direct costs	Lump sum			\$2 757,44
GMS 7%	Indirect costs	Lump sum			\$4 053,44
Objective 4 Total (UNDP)					\$61 959,70
Total (Funds from Donor) :					\$1 193 828,04
UNDP contribution:					\$120 000,00
GRAND TOTAL					\$1 313 828,04

Table 5. 2. Detailed budget (UNICEF)

Detailed description	Budget Categories*	Item line budget			Total Amount
		Item description	Unit cost	Number of units	
Output 2.3 Fostering employment and innovation through building capacity of young people, with the focus on women and vulnerable youth, with digital, social, employability, innovation and entrepreneurship skills (UNICEF)					
Activity 2.3.1 Implementing Skills4Girls programme					
Outreach campaign to girls, targeted at the most vulnerable	travel	Transportation to the selected districts from Nukus	\$30,00	3 districts 2 cohorts of girls	\$180,00
Development of needs-based modular ICT curriculum for girls	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$15 000,00	1	\$15 000,00
Translation of the programme curriculum, T&L materials to Karakalpak	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$3 000,00	1	\$3 000,00
Enhancing capacity of the local trainers in IT centers of two of the target districts in delivering curriculum in student-centered and gender-sensitive approach (payment of the trainers of ToT)	Contractual services (including consultants, meetings, workshops and conferences)	payment per ToT per trainer	\$200	2 trainers in 2 districts 4 days	\$3 200
Delivering computer and digital skills programme to girls (fee to 4 trained facilitators per month)	Transfers and grants to counterparts	monthly payment to a trainer	\$300	2 trainer per district 2 districts 6 months	\$7 200
Communication materials, such as posters, leaflets (design and printing)	Contractual services (including consultants, meetings, workshops and conferences)	payment to designer and typography	\$250,00	2 cohorts	\$500,00
Stationary for trainings, including notebooks, pens, flip charts, markers, etc.	Supplies, commodities, materials	lump sum	\$200,00	2 cohorts	\$400,00

Hackathon event for girls from three regions as a closing event of the programme	Transfers and grants to counterparts	payment for event	\$6 000,00	1	\$6 000,00
Branded sweatshirts, powerbanks, headphones etc.	Contractual services (including consultants, meetings, workshops and conferences)	lump sum	\$5 000,00	1	\$5 000,00
Transportation fee for girls from Karauzyak to Chimbay	Transfers and grants to counterparts	cost per one travel per girl	\$2,00	72 travels*20 girls	\$2 880,00
Administrative cost (direct cash transfer to the implementing partner, for the time dedicated to the programme implementation, including services of the project manager, assisstant and accountant)	Transfers and grants to counterparts	payment per one cycle of the programme	\$2 000,00	2 cycles/ cohorts	\$4 000,00
Activity 2.3.2 Implementing social innovation and social entrepreneurship programme UPSHIFT					
Conducting an outreach campaign in every district through social media and in-person meetings at mahalla level (transportation costs)	travel	Transportation to the selected districts from Nukus	\$30,00	2 cycles of the programme	\$60,00
Communication materials, such as posters, leaflets for the outreach campaign (design and printing)	Contractual services (including consultants, meetings, workshops and conferences)	payment to designer and typography	\$250,00	2 cycles	\$500,00
Undertaking the capacity-building 5-day bootcamp (rent of venue, food to participants, stationary, for about 30-35 participants, 10 mentors and 2 trainers)	Transfers and grants to counterparts	cost of a bootcamp	\$4 300,00	2 cycles	\$8 600,00
Delivery of the capacity-building bootcamp (payment to 2 trainers for a 5-day bootcamp)	Transfers and grants to counterparts	daily fee to a trainer	\$100,00	5 day-bootcamp 2 bootcamps 2 trainers	\$2 000,00
Mentoring support during the 5-day bootcamp (payment to 10 mentors)	Transfers and grants to counterparts	payment to a mentor for bootcamp	\$200,00	10 mentors 2 bootcamps	\$4 000,00

Mentoring support to 5 teams during 3-month incubation (monthly payment to mentors)	Transfers and grants to counterparts	monthly payment to mentor	\$200,00	5 mentors 3 months 2 cycles	\$6 000,00
Transportation of 10 mentors and 2 trainers to the districts for the bootcamp (cost per district)	Transfers and grants to counterparts	cost per district	\$800,00	2 cycles	\$1 600,00
Transportation fee for young people participating from 2 other regions	Transfers and grants to counterparts	cost per district	\$800,00	2 cohorts and 2 regions	\$3 200,00
Seed-funding to 5 most promising youth projects in every cycle (each team receives \$1,000 for the incubation)	Transfers and grants to counterparts	seed-funding per team	\$1 000,00	5 teams in each of 2 cycles	\$10 000,00
Production of communication materials (services of the photographer and/or videographer for every cycle of the programme)	Contractual services (including consultants, meetings, workshops and conferences)	payment per cycle	\$600,00	2 cycles	\$1 200,00
Stationary including notebooks, pens, flip charts, markers, etc.	Supplies, commodities, materials	lump sum	\$300,00	2	\$600,00
Administrative cost (direct cash transfer to the implementing partner, IICAS, for the time dedicated to the programme implementation, including services of the project manager, assistant and accountant)	Transfers and grants to counterparts	payment per cycle	\$2 000,00	2 cycles	\$4 000,00
2.3.3 Implementing Social, employability, entrepreneurial skills and financial literacy programme Aflayouth					
Translation of the guide, T&L and M&E materials to Karakalpak	Transfers and grants to counterparts	lump sum	\$2 000,00	1	\$2 000,00
Stationary including notebooks, pens, flip charts, markers, etc.	Transfers and grants to counterparts	lump sum	\$1 000,00	1	\$1 000,00
Building capacity of the local trainers (5-day ToT for each skill type by the international NGO Alfatoun)	Contractual services (including consultants, meetings, workshops and conferences)	payment per day	\$500,00	17 days 2 trainers	\$17 000,00
Delivery of the capacity-building training to school psychologists (monthly payment to 5 school psychologist in each district)	Transfers and grants to counterparts	monthly payment	\$200,00	5 trainers 3 districts 6 months	\$18 000,00
Printing of the T&L materials (cost per student)	Transfers and grants to counterparts	cost per student	\$20,00	500 students	\$10 000,00

Administrative costs (direct cash transfer to the implementing partners, Tashxis Center)	Transfers and grants to counterparts	payment per month	\$800,00	10 months	\$8 000,00
2.3.4 UNICEF Adolescents and Youth Development Officer (NoB) 50%	Staff	monthly payment	\$5 583	6 months	\$33 498,00
2.3.5. Monitoring, needs assessment and evaluation cost (including travel, pre- and post-survey, report and U-Report activities, translation, sms traffic and FGDs)	Contractual services (including consultants, meetings, workshops and conferences)	Lump sum	\$800,00	5 months	\$4 000,00
Indirect support cost (7%)	Indirect costs	Lump sum			\$12 783,26
Output 2.3. TOTAL (UNICEF)					\$195 401,26

Table 5. 3. Detailed budget (FAO)

Detailed description	Budget Categories*	Item line budget			Total Amount
		Item description	Unit cost	Number of units	
Output 3.2. Diversification of livelihood strategies introduced including the enabling activities in the agriculture resilience (FAO).					
Activity 3.2.1. Expand knowledge and capacity on sustainable agricultural practices. These include, but are not limited to, mulching, installation of water saving technologies, and growing salt-tolerant crops. This will enable local farmers to be more resilient to water shortages, soil salinization and climate change impacts. This also includes introduction of smart phone applications for sustainable agriculture such as water monitoring.					
Activity 3.2.2. Build capacity on rural e-commerce development in order to support the direct connection rural communities and producers to the market. This component will be closely linked with Objective 2 and recognizing that many women and youth are involved in agriculture may include joint trainings where applicable. One focus of this goal is to develop and/or promote smart phone applications for transportation and delivery of products from rural communities to the market suitable for Karakalpakstan.					
Activity 3.2.3. Support access to green finance through trainings on business plan development, online banking, and how to apply for loans and grants. It is envisioned that green finance can be used to support solar panel pumps, bioenergy equipment, installation of drip irrigation and laser leveling among other things. Long-term, access to green finance is essential to transform the agricultural sector from traditional energy consumption to sustainable energy consumption and even generation. Recognizing that green finance is applicable outside of the agriculture sector, activities in this component will also be closely coordinated with those of Objective 2.					
Activity 3.2.4. Support and capacity development on alternative income generation activities. Training seminars on handicrafts and business marketing in agriculture will be organized for youth and women of pilot areas. Special focus will be given to the development of "Aral Sea" region product branding.					
International consultant on Sustainable agriculture	Staff	monthly payments	\$3 500,00	3	\$10 500,00
Procurement for the Activity 3.2.1 including water saving technologies, seeds, etc	Equipment, Vehicles and Furniture	Lump sum	\$10 000,00	3	\$30 000,00
Procurement (for the Activity 3.2.4) Support and capacity development on alternative income generation activities of rural communities of targeted project sites	Equipment, Vehicles and Furniture	lump sum	\$5 000,00	3	\$15 000,00

National consultant on sustainable agriculture	Staff	monthly payments	\$1 500,00	3	\$4 500,00
FSS Trainer	Staff	monthly payments	\$1 500,00	3	\$4 500,00
FFS workshops for the activity 3.2.1	General operating and other direct costs	payment per each workshop	\$2 000,00	3	\$6 000,00
Translators/interpreters	Staff	days	\$250,00	20	\$5 000,00
IT Equipment	Equipment, Vehicles and Furniture	units	\$2 000,00	1	\$2 000,00
Procurement (for the Activity 3.2.2) including tablets	Equipment, Vehicles and Furniture	lump sum	\$25 000,00	1	\$25 000,00
International consultant on e-commerce	Staff	monthly payments	\$3 500,00	3	\$10 500,00
National consultant on agricultural digitalization	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$1 800,00	3	\$5 400,00
Workshops on e-commerce	General operating and other direct costs	lump sum	\$3 000,00	3	\$9 000,00
National project facilitator	Staff	monthly payments	\$1 800,00	12	\$21 600,00
Project Assistant	Staff	monthly payments	\$1 200,00	12	\$14 400,00
Web-site creation to support activity 3.2.4	Transfers and grants to counterparts	lump sum	\$5 000,00	1	\$5 000,00
Workshops on 3.2.4 Support and capacity development on alternative income generation activities.	General operating and other direct costs	lump sum	\$4 000,00	3	\$12 000,00
National consultant on business plan development Activity 3.2.3.	Contractual services (including consultants, meetings, workshops and conferences)	monthly payments	\$1 800,00	3	\$5 400,00
Travel costs - international	Travel	per each travel	\$3 000,00	3	\$9 000,00
Travel costs- national	Travel	per each travel	\$500,00	12	\$6 000,00

National gender specialist	Staff	monthly payments	\$1 800,00	3	\$5 400,00
Technical Support Service to Project	General operating and other direct costs	per day	\$575,00	13	\$7 475,00
General operating and other direct costs	General operating and other direct costs	Lump sum	\$1 000,00	2	\$2 000,00
GMS for FAO (7%)	Indirect costs	Lump sum			\$15 097,25
Output 3.2. TOTAL (FAO)					\$230 772,25

Table 6. Consolidated Budget

Categories		Total	Allocation: MPTF	Allocation: UNDP's Contribution
1	Staff	\$229 671,78	\$229 671,78	
2	Supplies, commodities, materials	\$2 000,00	\$2 000,00	
3	Equipment, vehicles and furniture (including depreciation)	\$217 900,00	\$217 900,00	
4	Contractual services (including consultants, meetings, workshops and conferences)	\$684 568,00	\$684 568,00	\$120 000,00
5	Travel	\$27 990,00	\$27 990,00	
6	Transfers and grants to counterparts	\$257 480,00	\$257 480,00	
7	General operating and other direct costs	\$94 414,26	\$94 414,26	
	Subtotal	\$1 514 024,04	\$1 514 024,04	\$120 000,00
8	Indirect support costs	\$105 977,51	\$105 977,51	
	TOTAL	\$1 740 001,55	\$1 620 001,55	\$120 000,00
	UNDP	\$1 313 828,04	\$1 193 828,04	\$120 000,00
	UNICEF	\$195 401,26	\$195 401,26	
	FAO	\$230 772,25	\$230 772,25	