



Municipality of Prizren

**Municipality of Prizren
Intervention Plan for Rural Development to Mitigate and Adapt
to Climate Change
2023 – 2028**

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Acronyms and abbreviations used in the text:

BLDP	Balanced Local Development Plan
CO ₂	Carbon Dioxide
EE	Energy Efficiency
EMA	Emergency Management Agency
EU	European Union
GHG	Greenhouse Gases
ICMM	Independent Commission for Mines and Minerals
IPRDMACC	Intervention Plan for Rural Development to Mitigate and Adapt to Climate Change
MAFRD	Ministry of Agriculture, Forestry and Rural Development
MCYS	Ministry of Culture, Youth and Sports
MDP	Municipal Development Plan
MESPI	Ministry of Environment, Spatial Planning and Infrastructure
MoE	Ministry of Economy
MTI	Ministry of Trade and Industry
MZP	Municipal Zoning Map
NUTS	Nomenclature of Territorial Units for Statistics
OECD	Organization for Economic Co-operation and Development
RCCH	Regional Center for Cultural Heritage
RDA	Regional Development Agency
RES	Renewable Energy Sources
RWC	Regional Water Company
TDS	Tourism Development Strategy
UNDP	United Nations Development Programme

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1. Executive Summary

The Municipality of Prizren Intervention Plan for Rural Development to Mitigate and Adapt to Climate Change (IPRDMACC) summarizes the planned sectoral interventions to address climate change. The sectoral measures and actions that will contribute to decarbonize rural development and adapt to climate change, such as energy, transport, waste management and public services, water savings are elaborated in agriculture, biodiversity, forestry and rural tourism field.

The IPRDMACC will contribute to the sustainable green development of the Municipality. In total it includes 14 measures and 74 actions, whose estimated financial costs for implementation are provided here. The total estimated budget for the implementation of the IPRDMACC is €22,495,500. This Plan's implementation period is from 2023 to 2028. The following table presents the number of objectives, measures, and actions, divided by sectors and associated with estimated financial costs.

	Agriculture	Biodiversity	Forestry	Rural tourism
Number of objectives	1	1	1	1
Number of measures	6	3	3	2
Number of actions	27	9	17	21
Implementation costs (€)	€ 13,618,500	€ 1,440,000	€ 2,855,000	€ 4,585,000
Cost of implementing the entire IPRDMACC:				€ 22,495,500

Table 1. Summary of objectives, measures, actions, and their implementation cost for the Rural Development

The agriculture sector's objective is to: Develop sustainable, efficient and climate resilient agricultural system. The sectoral measures include policy drafting, Energy Efficiency (EE) measures and use of Renewable Energy Sources (RES), water conservation and waste management such as:

- Establish a database and the Sustainable Development Programme
- Adapt to climate change by increasing security of supply through increased local agricultural production
- Water conservation and efficient use of water for irrigation of agricultural land
- Reduce Greenhouse Gases (GHG) emissions through EE measures and use of RES in agriculture
- Reduce GHG emissions by recycling organic animal manure
- Protect agricultural produce from the effects of extreme weather changes

The biodiversity sector's objective is to: Protect biodiversity on the entire territory of the Municipality. The sectoral measures include policy drafting, adaptation and biodiversity protection such as:

- Establish a database for biodiversity in the territory of the Municipality

- Improve conditions for free movement of animals (migration corridors) and protection of animals from diseases
- Prevent environmental degradation and establish safe environment in areas at risk of degradation

The forestry sector's objective is to: Capture (absorb) CO₂ through sustainable forest management. The sectoral measures include policy drafting, adaptation and nature protection such as:

- Maintain existing forest area and increase forest area
- Protect forest from fires
- Protect forests from common diseases and those related to climate change

The rural tourism sector's objective is to: Plan and develop sustainable and climate resilient tourism. The sectoral measures include policy drafting, nature protection, clean transport, waste management, and EE and RES such as:

- Strategic planning and promotion of tourism in Prizren
- Develop infrastructure to support eco-tourism in the territory of the Municipality of Prizren

2. Context

In order to address climate change at the municipal level, in 2019, the Municipality of Prizren, aided by the "Support to a Sustainable Prizren - Initiation of Urban NAMAs (National Appropriate Mitigation Actions)" Project, implemented by the UNDP and financed by the Austrian Development Agency (ADA), has developed the Cross-sectoral Intervention Plan for Climate Change 2020-2025. The Plan aims to define interventions by relevant sectors to achieve the targeted reduction of GHG emissions for the city of Prizren through the summary formulation of urban NAMAs interventions by the energy, transportation, infrastructure services and waste management sectors, in order to prioritize interventions. Meanwhile, the Prizren Cross-Sectoral Intervention Plan (CSIP) for Climate Change 2020-2025, was developed for Prizren's urban area, incorporating the Action Plan with NAMAs for said sectors. The Rural Development Sector was not included in this Plan.

In the framework of the ongoing support for Kosovo¹ and especially for the municipalities of Kosovo in addressing their confrontation with climate change, starting in October 2021, the United Nations Development Programme (UNDP), with funding from ADA, has been implementing the "Strengthening Local Action for Climate" Project. The project supports the Municipality of Prizren and the Municipality of Suharekë/Suva Reka, and aims to accelerate efforts to reduce overall GHG emissions through cross-sectoral interventions, including climate change mitigation and adaptation measures.

In order to plan and coordinate joint interventions for climate change across the entire territory of the Municipality of Prizren, with this document has been designed the Municipality of Prizren Rural Development Sectoral Action Plan for Climate Change, complementing the Prizren Cross-Sectoral Intervention Plan (CSIP) for Climate Change 2020-2025 with the Rural Development Sector.

3. Rural Development

¹ References to Kosovo shall be understood to be in the context of United Nations Security Council resolution 1244 (1999).

Rural development is an overarching element of the Kosovo's general development policies, given the importance of agriculture and its share in the gross domestic product, as well as this sector's great potential for further development and generation of revenues and jobs. Agriculture is one of the most important economic activities in Kosovo, however, there is still untapped potential for agricultural development. When compared to regional countries in terms of productivity and profitability indicators, farm size, outdated technology, production intensity, export rate, and other parameters, it is evident that Kosovo lags behind in agricultural development, while the gap with the European Union is the largest. The Agriculture and Rural Development Strategy 2022-28² is related to the implementation of the Kosovo Programme 2021-25, and both documents are aimed at the development of the agricultural/rural sector and, in particular, deal with enhancing competitiveness in the agri-food sector, sustainable management of natural resources, support of businesses in rural development, food security, and administration reforms.

Of the 17 Sustainable Development Goals (SDGs), Agenda 2030, almost all are related to the objectives of the Agriculture and Rural Development Strategy: eradicate poverty, achieve food security, improve nutrition and promote sustainable agriculture, ensure healthy life and promote well-being for all ages, achieve gender equality and empower women and girls, promote sustained, inclusive and sustainable economic growth, full and productive employment, decent work, are just some of the identified issues addressed by this strategy, since in addition to agricultural productivity, it also addresses the socio-economic issues of rural areas. The Kosovo Economic Reform Programme 2021-2023 considers the agricultural sector as one of the "key priorities" addressed by Reform Measure no. 3: Structural changes in the agricultural sector: the main purpose of this measure is to create proper policies in the agricultural sector in increasing productivity and agri-rural restructuring, developing the agri-food sector through improving competitiveness, innovation and increasing productivity and expanding and rehabilitating the irrigation system.

The Sofia Declaration on the Green Agenda for the Western Balkans calls for long-term transformation of the agriculture sector, minimizing its negative environmental and climate impact, and maintaining affordable and healthy food for Kosovo's residents and export markets. This transformation will inevitably lead to consequences on the socio-economic model of rural areas in Kosovo, as agriculture plays a dominant role in rural economies and livelihoods. In parallel to the changes in the agri-food sector, it is important to ensure a sustainable transformation of rural areas, making these areas more attractive to live. The future Agriculture and Rural Development Strategy 2022 – 2028 addresses a series of environmental and climate actions included in the Green Agenda, focusing on the 'greening' of the agricultural sector, i.e. reducing environmental impacts by guaranteeing food security.

Under the law, Kosovo is administratively divided in 38 municipalities and 1,469 settlements. Unofficially, and aiming at regional economic development, municipalities are economically organized into seven economic regions (corresponding to NUTS 3).

The most used method to define rural areas is the OECD (Organization for Economic Co-operation and Development) method, according to which an area is considered rural if its population density is below 150 inhabitants per km², while a community is considered urban if its population density is over 150 inhabitants per km². The definition of rural areas employed by the Kosovo Agency of Statistics (KAS) for the Kosovo Population and Housing Census,

² Agriculture and Rural Development Strategy 2022-2028, MAFRD 2021

2011, is based on the level of settlements, characterized by low population density and usually where most of the land is agricultural compared to the surrounding area. This means that in the 2011 Kosovo Census, a settlement is defined as rural by administrative decision of the municipality. Applying this administrative boundaries standard, the KAS recognizes 1,028,963 ha (94.3%) as rural areas where 62.0% of the population live (from a total of 1,078,239 inhabitants according to the 2011 Census). Settlement size is used as boundary indicator, in order to properly represent the existing situation in Kosovo's rural areas from a socio-economic perspective, and at the same time to employ an approach that matches the current administrative situation. The result of this decision is that settlements with a population of over 30,000 inhabitants, i.e., the cities of Prishtina, Prizren, Gjilani, Peja, Mitrovica, Ferizaj and Gjakova, are classified as urban areas, while the rest of Kosovo's territory is considered rural for the purposes of the BLDP 2014-2020. According to this definition, 98.8% (10,787.94 km²) of the territory is considered rural and is home to 74.1% (1,286,554 inhabitants) of the population.

According to this, the Prizren economic region (corresponding to NUTS 3)* includes the municipalities of: Prizren, Dragash/Dragaš, Mamushë/Mamuša, Suharekë/Suva Reka, with 154 settlements, total area 1,025 km² and total population (2020): 292,597 inhabitants.

3.1. Sectors Related to Rural Development in the Municipality of Prizren

Of the total 13 Executive Municipal Directorates in Prizren, two are directly responsible for planning and implementing rural development projects. These are the Agriculture and Rural Development Directorate and the Tourism and Economic Development Directorate. The Agriculture and Rural Development Directorate consists of the Agriculture Sector, Forestry Sector, and Rural Development Sector, while the Tourism Directorate consists of the Tourism Sector and the Development Sector. Other municipal directorates are also related, in particular the Public Services Directorate and Urban Planning and Spatial Planning Directorate.

3.2. Rural Development and Dealing with Climate Change

Rural regions play an essential role in the transition to a zero-emission economy and in dealing with climate change. The following areas of action can support and accelerate the transition to an environmentally sustainable, net-zero emission economy in rural regions to overcome challenges and take advantage of opportunities:³:

- Strengthen the evidence base by collecting and consolidating regional and local data assessing how opportunities and challenges related to climate change will play out in all kinds of rural areas. Develop indicators capable of informing policymaking and facilitating communication to support rural places transition more effectively. In that process, local and regional actors should be involved in partnership with domestic policy making sure their views are considered across institutional levels.
- In line with the principle of 'Just Transition', empower rural regions to develop and implement effective transition strategies, ensuring they are involved and have sufficient enabling conditions (i.e. knowledge, institutional capacity, good governance, data, digital infrastructure, and funding) to adapt and build resilience to climate change as well as assure the uptake of climate change mitigation actions that can create win-win situations for rural development. Facilitate the attraction of private investment for innovative climate solutions, where public funding is not sufficient.
- Build on the competitive advantage of rural regions in producing renewable energy, establish local innovation ecosystems and link them to new initiatives. Assure that local

³ OECDs Rural Agenda for Climate Action

communities benefit from partnerships with private investors through meaningful co-ownership or benefit-sharing agreements.

- Support the sustainable management of natural capital, sustainable land-management practices and value creation from restoring, preserving and enhancing ecosystems for rural development. Establish integrated spatial and land-use planning across functional territories to minimise unsustainable development patterns (such as urban sprawl and biodiversity loss) and increase sustainable ones with high carbon sequestration and socio-economic development potential, such as agroforestry, climate-smart agriculture, eco-tourism, and sustainable forestry. Critically, the process requires: inclusion of local rural voices (e.g., local traditional knowledge); investing in nature-based solutions (e.g., flood and drought risk management); and development of innovative market mechanisms such as certification and payments for ecosystem services schemes (PES).
- Support the shift to a circular and bio-economy to minimise environmental pressures and promote resource efficiency to offer opportunities for new rural business models and create new markets. This includes exploring rural-urban linkages and supporting the engagement and buy-in of local communities in the process.
- Contribute to decarbonising transport in rural regions by accelerating the transition to more sustainable and innovative mobility options whilst developing and smartly connecting the required physical and digital infrastructure (e.g. renewable energy generation, green hydrogen production, and fast internet connection).

3.3. Rural Development GHG Emissions Reduction and Climate Adaptation Actions for the Municipality of Prizren

In this document, the Rural Development Sector is divided into the following sectors, accompanied by the objectives and measures of each sector:

- The agriculture sector's objective is to: Develop sustainable, efficient and climate resilient agricultural system, with the measures:
 - Establish a database and the Sustainable Development Programme
 - Adapt to climate change by increasing security of supply through increased local agricultural production
 - Water conservation and efficient use of water for irrigation of agricultural land
 - Reduce GHG emissions through EE measures and use of RES in agriculture
 - Reduce GHG emissions by recycling organic animal manure
 - Protect agricultural produce from the effects of extreme weather changes
- The biodiversity sector's objective is to: Protect biodiversity on the entire territory of Kosovo, through the following measures:
 - Establish a database for biodiversity in the territory of the Municipality
 - Improve conditions for free movement of animals (migration corridors) and protection of animals from diseases
 - Prevent environmental degradation and establish safe environment in areas at risk of degradation
- The forestry sector's objective is to: Capture (absorb) CO₂ through sustainable forest management, through the following measures:
 - Maintain existing forest area and increase forest area
 - Protect forest from fires
 - Protect forests from common diseases and those related to climate change
- The rural tourism sector's objective is to: Plan and develop sustainable and climate resilient tourism, with the measures:
 - Strategic planning and promotion of tourism in Prizren
 - Develop infrastructure to support eco-tourism in the territory of the Municipality of Prizren

This Plan for the Rural Development Sector provides for measures which, through the reduction of GHG emissions, help mitigate climate change, as well as adaptation measures. The accurate calculation of GHG emissions reduction can only be made after the design of the bills of quantities and the implementation of the proposed measures, and therefore it is not fully accounted for in this plan.

3.4. Existing Documents Related to the Design of the Intervention Plan for Rural Development to Mitigate and Adapt to Climate Change

Relevant municipal development documents and strategies, or linked to the municipal level, reviewed for the drafting of the Rural Development Sectoral Plan, are:

- Agriculture and Rural Development Strategy 2022-2028, MAFRD 2021
- Prizren Municipal Development Plan (MDP) 2013-2025
- Prizren Municipal Zoning Map (MZP) 2022-2030
- Local Development Strategy, 2009
- Tourism Development Strategy (Draft), 2018
- Prizren Historical Center (HC) Management Plan
- Tourism Development Strategic Document and Action Plans
- Report on the Regulatory Plan for Struzhe - Zapluzhe Zone III of the "Sharri/Šar National Park" (Struzhe Meadows/Guri i Zi/Qafa e Elmes), (Draft)
- Presentation (in Power Point) of the draft Regulatory Plan of the House of the Mountaineers near the village of Struzhe, 2014

4. Measures of the Intervention Plan for Rural Development to Mitigate and Adapt to Climate Change

Rural Development	Success Indicators	Responsible Institution	Related Sectors	Timeline for implementation	Financial Costs	Funding Source	CO ₂ Reduction (tons/year)	Status	Sectoral Project /Plan	Priority
<p>Gender Considerations priorities: The application of water-saving cultivation systems should consider the specific needs and concerns of women, who may be responsible for water management in agriculture and may have limited access to water resources. Raising public awareness about food loss and waste can promote gender equality by recognizing the role of women in food production, processing, and distribution, and by encouraging their participation in reducing food waste. Avoiding deforestation from agriculture can preserve natural resources that women may rely on for food, fuel, and other livelihood needs. Developing early climate warning systems can benefit women by providing advance notice of climate-related risks, which may disproportionately affect them due to their gender roles and responsibilities. Investing in drought-tolerant seeds can support women farmers who may have limited access to water resources and may be more vulnerable to drought. Investing in improving soil health can benefit women farmers who may rely on small-scale agriculture for their livelihoods and may face challenges related to soil quality and productivity. Enhancing climate risk-informed policy planning in the rural development sector can promote gender equality by recognizing the specific needs and concerns of women in rural areas and ensuring their participation in policy development. Subsidizing farmers to access climate-resilient agriculture products can benefit women farmers who may have limited financial resources to invest in climate-resilient technologies and practices. Including women in decision-making regarding rural development can ensure that their perspectives and needs are taken into account and can promote gender equality in the sector.</p>										
Sector: Agriculture										
Objective 1: Develop sustainable, efficient and climate resilient agricultural system										
Measure 1.1: Establish a database and the Sustainable Agricultural Development Programme										

1.1.1	Draft Municipal Agriculture Plan	Plan Report	Agriculture and Rural Development Directorate	Urban and Spatial Planning Directorate Public Services Directorate Tourism and Economic Development Directorate	2023-2027	50,000.00	Municipal budget Central Budget Donors			New proposal	High
1.1.2	Conduct chemical analyses that include soil fertility, and present pedological maps throughout the territory of the municipality for agricultural lands	Report with data on soil chemical composition and recommendations on the amount of fertilizer for certain agricultural crops Present results to farmers Mapping	Agriculture and Rural Development Directorate	Farmers	2023-2025	120,000.00	Municipal budget			New proposal	High
1.1.3	Study of agricultural land management options through the consolidation (merging) of small plots into plot clusters for joint production by farmers.	Study Report	Agriculture and Rural Development Directorate	Urban and Spatial Planning Directorate	2023-2025	30,000.00	Municipal budget			New proposal	High
1.1.4	Investigate agricultural land degraded by floods, erosion, landslides and illegal waste dumps	Research Report	Agriculture and Rural Development Directorate	MAFRD	2023-2028	50,000.00	Municipal budget Central Budget Donors			Provided in the MZP	Moderate

1.1.5	Investigate opportunities for expanding crop types and market requirements	Research Report	Agriculture and Rural Development Directorate	MAFRD	2023-2024	20,000.00	Municipal budget Central Budget Donors			Provided in the MZP	Moderate
1.1.6	Enhance farms' production capacities through digitization of agricultural activities	Number of farmers using digitized systems in their agricultural/economic activities	Agriculture and Rural Development Directorate	MAFRD MTI	2023-2028	150,000.00	Municipal budget Central Budget Donors			New proposal	Moderate
1.1.7	Support advancement of production/processing processes by employing new energy efficient technologies in agriculture and forestry	Number of supported farmers	Agriculture and Rural Development Directorate	MAFRD MTI	2023-2028	250,000.00	Municipal budget Central Budget Donors			New proposal	Moderate
						670,000.00					
Measure 1.2: Adapt to climate change by increasing security of supply through increased local agricultural production											
1.2.1	Feasibility study for the identification of areas for the construction of road infrastructure for agriculture on the entire territory of the Municipality. The study will also identify increased opportunities and benefits for agricultural development.	Feasibility Study Report	Agriculture and Rural Development Directorate	Urban and Spatial Planning Directorate Public Services Directorate Cadaster and Land Survey Directorate	2023-2024	20,000.00	Municipal budget			New proposal	High

1.2.2	Construct road infrastructure for agriculture in the entire territory of the Municipality As a result of the preliminary study.	Length of newly opened roads (in km)	Agriculture and Rural Development Directorate	Urban and Spatial Planning Directorate Public Services Directorate Cadaster and Land Survey Directorate	2024-2028	218,500.00	Municipal budget			Provided in the MZP	High
1.2.3	Monitor use of pesticides and artificial fertilizers in agricultural lands	Monitoring Reports	Inspections Directorate	Agriculture and Rural Development Directorate	Ongoing	30,000.00	Municipal budget			Provided in the MZP	High
1.2.4	Support farmers for the establishment of orchards	Number of trees planted Area planted with orchards (in m ² or in ha)	Agriculture and Rural Development Directorate	Cadaster and Land Survey Directorate	2023-2025	280,000.00	Municipal budget Central Budget			Provided in the MZP	High
1.2.5	Support farmers with supply of high efficiency agricultural machinery.	Number of agricultural machinery units for farmers	Agriculture and Rural Development Directorate	Cadaster and Land Survey Directorate	2023-2025	290,000.00	Municipal budget Central Budget			Provided in the MZP	High
1.2.6	Promote cultivation and protection of native crop varieties	Number of native crop species supported	Agriculture and Rural Development Directorate	Tourism and Economic Development Directorate	2024-2028	150,000.00	Municipal budget Central Budget Donors			New proposal	Moderate

1.2.7	Agricultural Education Programmes. Inform/Advise farmers regarding the types of agricultural crops with the highest yield according to geographical locations and soil composition (soil quality). This will be done by: - creating an online app - organizing seminars and trainings	– Online app developed and functional – Number of delivered programmes and their implementati	Agriculture and Rural Development Directorate	Public Services Directorate	2024-2028	120,000.00	– Municipal budget – Central Budget – Donors			Provided in the MZP	Moderate
						1,108,500.00	1,108,500.00				
Measure 1.3: Water conservation and efficient use of water for irrigation of agricultural land											
1.3.1	Study of irrigation system in the territory of the municipality. The study will analyze the rehabilitation of the existing irrigation system, as well as its expansion.	– Study Report	Agriculture and Rural Development Directorate	– RWC – MAFRD – Public Services Directorate	2023-2025	25,000.00	– Municipal budget – Central Budget – Donors			New proposal	High
1.3.2	Study of water storage potential for irrigation and potable water across the entire territory of the municipality. The study will also identify possible sites for the construction of dams for water	– Study Report	Agriculture and Rural Development Directorate	– MAFRD	2023-2025	50,000.00	– Municipal budget – Central Budget – Donors			New proposal	High
1.3.3	Draft detailed engineering project and technical specifications for the Manastrica Dam	– Engineering Project Documentation	Urban and Spatial Planning Directorate	– Public Services Directorate – RWC	2023-2025	300,000.00	– Municipal budget – RWC			Provided in the MZP	High
1.3.4	Construct Manastrica Dam. The dam will serve for water storage, to be used for potable water supply and irrigation.	– Dam built	Urban and Spatial Planning Directorate	– Public Services Directorate – RWC	2025-2028	9,000,000.00	– Municipal budget – Central Budget – Donors			Provided in the MZP	High

1.3.5	Promote drip irrigation system by supporting farmers with subsidies for such irrigation systems	Number of irrigation systems installed and the area of land irrigated with the drip system	Agriculture and Rural Development Directorate	Public Services Directorate Property and Cadaster Directorate	2024-2028	200,000.00	Municipal budget Central Budget Donors			New proposal	Moderate
1.3.6	Construct ponds for storage of water for irrigation and firefighting.	Number of ponds built	Agriculture Directorate	Public Services Directorate Urban and Spatial Planning Directorate	2024-2028	300,000.00	Municipal budget Central Budget Donors			New proposal	Moderate
						9,875,000.00					
Measure 1.4: Reduce GHG emissions through EE measures and use of RES in agriculture											
1.4.1	Outreach campaign on benefits from the use of high energy efficiency technologies (e.g.. high-efficiency refrigerators, etc.), as well as on the possibilities of using RES in agriculture (e.g., use of solar PV energy for pump irrigation, energy production from organic animal waste, etc.)	Number of farmers involved	Agriculture and Rural Development Directorate	Public Services Directorate	2024-2027	40,000.00	Municipal budget Central Budget Donors			New proposal	Moderate
1.4.2	Establish the subsidy scheme to promote the replacement of inefficient technologies with high energy efficiency technologies and equipment for the use of renewable energy sources in agriculture, (including high efficiency refrigerators, solar PV energy, water from wells. etc.)	Reduced amount of GHG emissions from the subsidy	Agriculture and Rural Development Directorate	Finance Directorate	2024-2027	500,000.00	Municipal budget Central Budget, Donors			New proposal	Moderate
						540,000.00					
Measure 1.5: Reduce GHG emissions by recycling organic animal manure											

1.5.1	Feasibility Study for the potential of generating biogas and organic waste - composted fertilizing material for plant fertilization	– Study Report	– Agriculture and Rural Development Directorate	– Public Services Directorate – Private Sector	2024-2026	25,000.00	– Municipal budget – Central Budget, – Donors – Private Sector			New proposal	Moderate
1.5.2	Construct small plants for recycling animal manure to produce biogas and organic waste – composted fertilizing material for plant fertilization that reduces the use of herbicides.	– Number of plants constructed	– Agriculture and Rural Development Directorate	– Public Services Directorate – Eco-region – Private Sector	2026-2028	150,000.00	– Municipal budget – Central Budget, – Donors – Private Sector			New proposal	Moderate
						175,000.00					
Measure 1.6: Protect agricultural produce from the effects of extreme weather changes											
1.6.1	Establish Professional Center for the support of the farmers of the Municipality. This Center should be equipped with professional staff and technical equipment for monitoring, identification and prevention of plant diseases, and it should also advise farmers on the correct use of pesticides in agriculture, as well as on increasing agricultural productivity. Among other things, the Center, in cooperation with the Hydrometeorological Station, will help in the early warning of farmers.	– Unit (Station) established and operational	– Agriculture and Rural Development Directorate	– Finance Directorate – Ministry of Finance of Kosovo	2024-2028	250,000.00	– Municipal budget – Central Budget, – Donors			New proposal	Moderate
1.6.2	Construct hail protection station for the territory of the Municipality of Prizren.	– Hail protection station built and operational	– Agriculture and Rural Development Directorate	– Public Services Directorate – MESPI	2024-2028	500,000.00	– Municipal budget – Central Budget, – Donors			New proposal	Moderate

1.6.3	Protect agricultural lands from the effects of floods and flooding through: regulation of river beds, construction of embankments, protection from uncontrolled exploitation of sand, etc.	Protected agricultural land surface	Agriculture and Rural Development Directorate	Public Services Directorate -MESPI	2024-2028	500,000.00	Municipal budget -Central Budget, -Donors			New proposal	Moderate
						1,250,000.00					
Total for Agriculture Sector						13,618,500.00					
Sector: Biodiversity											
Objective 2: Protect biodiversity on the entire territory of the Municipality											
Measure 2.1: Establish a database for biodiversity in the territory of the Municipality											
2.1.1	Establish the fauna inventory for the entire territory of the Municipality, including the identification of the locations of wild animals.	Inventory Report completed and published	Agriculture and Rural Development Directorate	MAFRD -MESPI	2024-2028	280,000.00	Municipal budget -Central Budget, -Donors			New proposal	Moderate
2.1.2	Establish the flora inventory, including identifying the locations of the extent of certain plants.	Inventory Report completed and published	Agriculture and Rural Development Directorate	MAFRD -MESPI	2024-2028	280,000.00	Municipal budget -Central Budget, -Donors			New proposal	Moderate
						560,000.00					
Measure 2.2: Improve conditions for free movement of animals (migration corridors) and protection of animals from diseases											
2.2.1	Study on identification of corridors for the movement (migration) of wild animals, and their maintenance, in the territory of the Municipality.	Study Report	Agriculture and Rural Development Directorate -MAFRD	MESPI	2023-2024	50,000.00	Municipal budget -Central Budget, -Donors			New proposal	Moderate

2.2.2	Based on the results of the study (as in the point above), in case the study identifies animal (migratory) crossing that are blocked by roads, create corridors with overpasses or underpasses for animal migration simulating natural conditions for unobstructed passage. Place food for wild animals in these corridors, especially in the case of winters with heavy snowfall.	– Number of animal (migratory) crossings built	– Agriculture and Rural Development Directorate – MAFRD	– Urban and Spatial Planning Directorate – MESPI	2024-2028	350,000.00	– Municipal budget – Central Budget, – Donors			New proposal	Moderate
2.2.3	Measures to protect animals from various diseases, especially vaccination through food for protection against rabies and other diseases.	– Amount of vaccines given to wild animals – Monitored animal diseases, statistics on diseases, and the effect of vaccines, presented	– Agriculture and Rural Development Directorate – MAFRD	– Urban and Spatial Planning Directorate – MESPI	2023-2028	150,000.00	– Municipal budget – Central Budget, – Donors			New proposal	Moderate
						550,000.00					
Measure 2.3: Prevent environmental degradation and establish safe environment in areas at risk of degradation											
2.3.1	Project to assess the risks of natural disasters at the local level, including risks from climate change.	– Risk Assessment Report	– Emergency and Security Directorate	– Kosovo Emergency Management Agency – MESPI – Agriculture and Rural Development Directorate	Ongoing	30,000.00	– Municipal budget – Central Budget,			Provided in the MZP	Moderate

2.3.2	Awareness campaign for the preservation of the environment and the impacts of climate change	Number of persons involved in the campaign	Public Services Directorate	Agriculture and Rural Development Directorate MESPI	2023-2028	15,000.00	Municipal budget Central Budget,			Provided in the MZP	Moderate
2.3.3	Enhance environmental protection inspection/monitoring capacities of the Inspections Directorate	Number of new inspectors Professional training of inspectors	Inspections Directorate	Public Services Directorate MESPI	2023-2028	85,000.00	Municipal budget Central Budget,			Provided in the MZP	Moderate
2.3.4	River Basins Management Plan	River Basins Plan Document	Tourism and Economic Development Directorate	Culture, Youth and Sports Directorate MESPI	2025-2028	200,000.00	Municipal budget Central Budget			Provided in the MZP	Moderate
						330,000.00					
Total for Biodiversity Sector						1,440,000.00					
Sector: Forestry											
Objective 3: CO2 capture through sustainable forest management											
Measure 3.1: Maintain existing forest area and increase forest area											
3.1.1	Forests Management Plan	Plan Document	Agriculture and Rural Development Directorate	Public Services Directorate Urban and Spatial Planning Directorate	2023-2028	150,000.00	Municipal budget Central Budget			Provided in the MZP	Moderate
3.1.2	Establish forest cadastre (re-inventory of forests and renewal of the database)	Forest Cadastre Report	MAFRD Agriculture and Rural Development Directorate	KCA (Kosovo Cadastral Agency) Cadaster and Land Survey Directorate	2024-2025	30,000.00	Municipal budget Central Budget			New proposal	High

3.1.3	Rehabilitation project of the current areas where the illegal exploitation of gravel and quarrying take place	Rehabilitated sites	MAFRD Agriculture and Rural Development Directorate	Urban and Spatial Planning Directorate	2023-2030	30,000.00	Municipal budget Central Budget			Provided in the MZP	High
3.1.4	Reforestation of areas degraded by quarries and other factors	Afforested area Number of tree saplings planted	MAFRD Agriculture and Rural Development Directorate	ICMM Quarries	2023-2030	300,000.00	Companies exploiting the resources			Provided in the MZP	High
3.1.5	Prevention of illegal logging	Number of prevention actions	Agriculture and Rural Development Directorate	MAFRD	2023-2030	350,000.00	Municipal budget Central Budget,			Provided in the MZP	Moderate
3.1.6	Afforestation of riverbanks as a preventive measure against flooding	Afforested area on riverbanks	Agriculture and Rural Development Directorate MESPI	Public Services Directorate MAFRD	2023-2030	250,000.00	Municipal budget Central Budget, Donors			Provided in the MZP	Moderate
3.1.7	Afforestation of areas at erosion risk	Afforested zones in erosive areas	Agriculture and Rural Development Directorate MESPI	Public Services Directorate MAFRD	2023-2030	250,000.00	Municipal budget Central Budget, Donors			Provided in the MZP	Moderate
						1,360,000.00					
Measure 3.2: Protect forest from fires											

3.2.1	Establish automated system for real time monitoring and early warning of forest fires. Such a system is based on sensors located at specific points in the forest that detect the location of the fire in the forest and present this on the monitoring screen through the application of GIS coordinates on the topographic map.	– Forest fire monitoring system established and operational	– Public Services Directorate	– Agriculture and Rural Development Directorate – MAFRD – MESPI	2024-2028	250,000.00	– Municipal budget – Central Budget, – Donors			Pending (by JICA)	High
3.2.2	Supply of inventory and modern equipment for firefighting units	– Equipment supplied	– Emergencies and Security Directorate	– EMA (Emergency Management Agency)	2024-2025	150,000.00	– Municipal budget – Central Budget, – Donors			Provided in the MZP	Moderate
3.2.3	Fix central antenna (Repeater) for the needs of the Protection and Rescue Sector	– Antenna in working order	– Public Services Directorate	– Emergencies and Security Directorate	2024-2025	500,000.00	– Municipal budget – Central Budget, – Donors			Provided in the MZP	Moderate
3.2.4	Construct surface dams (ponds) for water storage for protection against forest fires in mountainous areas	– Number of dams (ponds) built – Amount of water in storage (in m ³)	– Public Services Directorate	– Agriculture and Rural Development Directorate – Urban and Spatial Planning Directorate	2024-2026	180,000.00	– Municipal budget – Central Budget, – Donors			New proposal	Moderate
3.2.5	Establish groups of seasonal observers for early warning of fires. The establishment and operationalization of these groups will be done in an agreement between the Ministry of Labor and Social Welfare, the Kosovo Forestry Agency, and the Municipality of Prizren.	– Number of observer groups established	– Agriculture and Rural Development Directorate	– Rural communities	2023-2025	20,000.00	– Municipal budget – Central Budget, – Donors			Provided in the MZP	High

3.2.6	Monitor and locate/extinguish forest fires	Number of observer groups established	Agriculture and Rural Development Directorate	Formal groups of observers Rural communities	2024-2025	7,500.00	Municipal budget Central Budget, Donors			Provided in the MZP	High
3.2.7	Maintain and clear forests, including maintenance and development of mountain/forest road infrastructure	Maintained forest area Length of maintained mountain/forest roads Length of newly opened forest roads	Kosovo Forestry Agency	MAFRD	2023-2028	150,000.00	Municipal budget Central Budget,			New proposal	Moderate
3.2.8	Outreach campaign on actions in cases of natural disasters	Number of residents involved	Emergencies and Security Directorate	Formal groups of observers Rural communities	2024-2025	7,500.00	Municipal budget Central Budget, Donors			Provided in the MZP	High
						1,265,000.00					
Measure 3: Protect forests from common diseases and those related to climate change											
3.3.1	Protect forests from diseases, including new diseases due to the increase in average soil temperature and climate change	Forest surface treated for protection from diseases	Agriculture and Rural Development Directorate	MAFRD	2024-2028	200,000.00	Municipal budget Central Budget, Donors			New proposal	Moderate

3.3.2	Protect special trees in forests	Number of special trees protected in the forest	Agriculture and Rural Development Directorate	MAFRD	2024-2028	30,000.00	Municipal budget Central Budget, Donors			New proposal	Moderate
						230,000.00					
Total for Forestry Sector						2,855,000.00					
Sector: Rural tourism											
Objective 4: Agriculture and Rural Development Directorate											
Measure 4.1: Strategic planning and promotion of tourism in Prizren											
4.1.1	Draft Municipal Tourism Development Strategy	Tourism Development Strategy Document Strategy implementation score	Tourism and Economic Development Directorate	Agriculture and Rural Development Directorate Public Services Directorate Agriculture and Rural Development Directorate	2023-2034	20,000.00	Municipal budget Central Budget, Donors			Provided in the MZP	High
4.1.2	Natural Heritage Protection Management Plan	Management Plan Document	Tourism and Economic Development Directorate	Culture, Youth and Sports Directorate RCCH	2023-2028	250,000.00	Municipal budget Central Budget			Provided in the MZP	Moderate
4.1.3	Outdoor Tourism Development Plan. This Plan will generally deal with outdoor tourism and its links with rural tourism.	Development Plan Document	Tourism and Economic Development Directorate	Culture, Youth and Sports Directorate MESPI	2025-2027	10,000.00	Municipal budget Central Budget			Provided in the MZP	Moderate

4.1.4	Sustainable planning of the development of mountain and rural tourism through the development of regulatory plans for the creation of tourist villages in the territory of the municipality. Regulatory plans should consider issues related to climate change, such as energy efficiency, use of RES, infrastructure for protection from heat waves with sufficient shade and drinking water, waste management, transportation, stations for hiking and cycling, charging points for electric cars and bicycles, public lighting, etc.	Regulatory plans for tourist villages	Urban and Spatial Planning Directorate	Tourism and Economic Development Directorate Public Services Directorate MESPI	2023-2025	400,000.00	Municipal budget Central Budget, Donors			New proposal	Moderate
4.1.5	Establishing cooperation with the MESPI for the finalization of the Regulatory Plan for Struzhe - Zaplluzhe, Zone III of the "Sharri/Šar National Park" (Struzhe Meadows/Guri i Zi/Qafa e Elmes), (This plan was drafted in 2018 within the Kosovo Environmental Programme (KEP) 2016/07076, with support from the Government of Sweden)	Regulatory Plan adopted	Urban and Spatial Planning Directorate	MESPI MAFRD Tourism and Economic Development Directorate	2023-2025	0.00	Central Budget, Municipal budget Donors			Ongoing	High
4.1.6	Interventions for capacity development with infrastructure for recreational-sports activities for mountain tourism in the two Mountain Houses in the Sharr Mountains.		Tourism and Economic Development Directorate	Agriculture and Rural Development Directorate Public Services Directorate	2023-2028	300,000.00	Municipal budget Central Budget, Donors			New proposal	High

4.1.7	Draft promotional materials (leaflets, brochures) for tourist operators regarding the development of climate-resilient tourism: ways of reducing GHG emissions through the increase of EE and the use of RES in tourist facilities and in the transportation of tourists, importance of local production of eco-agricultural products, protection of biodiversity, information regarding the risks that may come from the effects of climate change in the local context, etc.	<ul style="list-style-type: none"> - Promotional and instructional materials prepared - Number of tourist operators supplied with promotional materials 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Agriculture and Rural Development Directorate - Public Services Directorate 	2023-2025	20,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors 			New proposal	High
4.1.8	Design tourism promotion materials (leaflets, brochures, stickers) on tourism and informing tourists on how to protect the living environment and biodiversity in tourist areas.	<ul style="list-style-type: none"> - Promotional and instructional materials prepared - Number of tourist operators supplied with promotional materials 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Agriculture and Rural Development Directorate - Public Services Directorate 	2023-2025	15,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors 			New proposal	High
4.1.9	Study on development of green tourism in the entire territory of the municipality in rural areas. The study will identify historical heritage, native architecture, cultural and ethnological heritage. Also part of the study will be the analysis of the possibility of connecting all the above-mentioned heritage sites with hiking and cycling paths.	<ul style="list-style-type: none"> - Study Report with Recommendations 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Agriculture and Rural Development Directorate - Public Services Directorate 	2023-2025	50,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors 			New proposal	High
4.1.10	Capacity building project for tourism development		Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Culture, Youth and Sports Directorate - RCCH 	2024-2025	500,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget 			Provided in the MZP	High
4.1.11	Design of the agri-tourism project in the Podrima plain	<ul style="list-style-type: none"> - Project Document 	Tourism and Economic Development Directorate		2022-2028	20,000.00	<ul style="list-style-type: none"> - Municipal budget 			Provided in the MZP	Moderate

4.1.1 2	Tourism Management and Implementation Plan of the "Sharri/ Šar National Park".	Plan Document	Tourism and Economic Development Directorate		2023-2024	20,000.00	Municipal budget			Provided in the MZP	High
						1,605,000.00					
Measure 4.2: Develop infrastructure to support eco-tourism in the territory of the Municipality of Prizren											
4.2.1	Strengthen rural and environmental tourism through smart information centers for tourists. These centers will also provide environmental information on rural tourism related to care in: garbage disposal, drinking watering points on hiking and cycling paths, health care points, information on care for prevention and protection from wild fires in forests and fields, etc.	Number smart center (points) established	Tourism and Economic Development Directorate	Regional Development Agency (RDA/ARDA)	2023-2025	80,000.00	Municipal budget Donors			New proposal	High
4.2.2	Promote transportation without GHG - and smoke emissions through the construction of charging stations for electric cars, electric motorcycles, bicycles and electric scooters, in recreational areas, in the two existing mountain houses in the Sharri	Number recharging points for electric vehicles	Tourism and Economic Development Directorate	Public Services Directorate Private Sector	2023-2028	200,000.00	Municipal budget Donors			New proposal	Moderate

4.2.3	Promote green tourism, local natural assets, rural agri-tourism and guesthouses, through the construction/repair of long hiking and mountain biking trails using the old footpaths between villages. These paths will connect the villages of Prizren: - starting from Zhuri in the direction of Cvilen and up to Prevalle, - on the other side, they will connect the villages from Korisha to Prevalle, and also - the villages in the Pashtrik mountain area and their connection with the hiking trails in the direction of Albania. The paths should have rest areas that will be built with infrastructure for protection from heat waves with sufficient shade and drinking water, containers for garbage, in some places there will be points for recharging electric bicycles, public lighting supplied by PV panels.	<ul style="list-style-type: none"> - Length of hiking and cycling trails - Number of rest sites with infrastructure - Number of villages connected to the trails 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Public Services Directorate - Agriculture and Rural Development Directorate - MAFRD - MESPI - Private Sector 	2023-2028	800,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors 			New proposal	Moderate
4.2.4	Construct infrastructure and recreation facilities with support from the private sector to increase accommodation capacities/hostels in tourist villages.	<ul style="list-style-type: none"> - Number of guesthouses operationalized - Number of visitors 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Urban and Spatial Planning Directorate - Public Services Directorate - Private Sector 	2024-2028	1,000,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors - Private Sector 			New proposal	Moderate
4.2.5	Stimulate - support the development of capacities for mountain agri-tourism in and near tourist villages	<ul style="list-style-type: none"> - Number of businesses providing agri-tourism 	Tourism and Economic Development Directorate	<ul style="list-style-type: none"> - Private Sector 	2023-2025	200,000.00	<ul style="list-style-type: none"> - Municipal budget - Central Budget, - Donors - Private Sector 			New proposal	High

4.2.6	Promote rural tourism without pollution through the expansion of the existing system for waste management in the territory of the Municipality, the creation of a special plan for the collection of waste for rural tourist areas, which will also include the placement of containers for waste collection at rest points on hiking and biking trails, as well as at all recreational picnic sites and tourist villages.	Document of the Plan for waste collection in rural tourism areas	Public Services, Environment and Emergencies Directorate	Firefighting unit of Municipality of Suhareka	2023-2024	100,000.00	Municipal budget Donors			New proposal	High
4.2.7	Promote safety of tourist movement through the use of solar PV energy for public lighting in tourist areas where there is no electricity distribution grid. This is especially important for picnics sites near the two Mountain Houses owned by the Municipality of Prizren and other areas that are used for picnics in the territory of the municipality. Prior analysis should be done to identify key sites that include picnic areas, crossroads in extended tourist villages where there is no electricity grid, crossroads frequented by tourists in various mountainous areas, frequented sites on hiking and cycling trails.	PV lighting is functional PV for the key areas of movement of mountain tourists	Public Services, Environment and Emergencies Directorate	Urban and Spatial Planning Directorate Kosovo Forestry Agency	2023-2024	200,000.00	Municipal budget Donors			New proposal	High
4.2.8	Integrated project of natural and historical tourist destinations	Project implemented	Tourism and Economic Development Directorate	Culture, Youth and Sports Directorate RCCH/MCYS	2023-2028	250,000.00	Municipal budget Central Budget			Provided in the MZP	Moderate
4.2.9	Stimulate – support building of accommodation capacities in rural and mountainous areas.	Accommodation capacities developed	Tourism and Economic Development Directorate	Private Sector Hiking Associations	2023-2025	150,000.00	Municipal budget Central Budget, Donors			Provided in the TDS	High
Cost of measure implementation						2,980,000.00	002,980,000.00				

Total for Rural Tourism Sector	4,585,000 .00	
Overall estimated investment cost for the Rural Development Sector:		
	22,498,5 00.00	

5. Annex

5.1. Working group:

The members of the working group will collaborate and work together with the Green Development Center and the "Strengthening Local Action for Climate" Project implemented by the UNDP, to compile a Greenhouse Gases (GHG) inventory, a Measurement, Reporting and Verification (MRV) system; to develop the Cross-Sectoral Intervention Plan (CSIP); and to implement pilot projects for NAMAs for the Municipality of Prizren in order to reduce overall GHG emissions.

The members of the Working Group appointed by the Mayor of Prizren for the development of the Rural Development Sectoral Intervention Plan are listed below:

Mr. Çelë Lamaj	Director - Public Services Directorate
Ms. Jona Hoxhaj	Monitoring, Cabinet of the Mayor of the Municipality
Mr. Muhamet Bajrami	Public Services Directorate
Mr. Gëzim Gërgji	Public Services Directorate
Ms. Laura Suka	Public Services Directorate
Mr. Zekë Tejeci	Public Services Directorate
Mr. Galip Belallari	Public Services Directorate
Mr. Ejup Kryeziu	Public Services Directorate
Mr. Faruk Bojaxhiu	Professor at the Faculty of Life and Environmental Sciences at the "Ukshin Hoti" University in Prizren
Mr. Nehat Bojaxhiu	Executive Director, Environment and Community Development (NGO)

List of participants at the workshop on May 17 and 18, 2022, in Vermica:

Bexhat Bytyqi	Director – Agriculture and Rural Development Directorate
Jakup Kastrati	Agriculture and Rural Development Directorate
Hajrullah A. Hoxha	Agriculture and Rural Development Directorate
Izet Osmani	Municipal Forestry Authority – Agriculture and Rural Development Directorate
Pranverim Berisha	Director – Urban and Spatial Planning Directorate
Aferdita Mormorina	Urban and Spatial Planning Directorate

Muhamet Kurtaj	Urban and Spatial Planning Directorate
Lirija Bytyqi	Director – Tourism and Economic Development Directorate
Shkodran Kryeziu	Tourism and Economic Development Directorate
Ramize Shala	Director - Emergencies and Security Directorate
Idaim Kryeziu	Emergencies and Security Directorate
Igbalka Fazljija	Office for Communities and Returns
Mybexhele Zhuri	Gender Equality Office
Nehat H Elshani	Chief of Cabinet of the Mayor of the Municipality

The working group was supported by:

Ms. Xheva Berisha, Project Manager, UNDP

Ms. Elza Zhaveli, Project Officer, UNDP

Mr. Maliq Pireci, Local Consultant, UNDP