



# GEF-7 project initiatives of Uzbekistan

*Indira Akramova*

Baku, Azerbaijan

17.03.2019



## GEF-7 allocations by focal areas for Uzbekistan (STAR)

Climate Change	10.94 mln
Biodiversity	2.00 mln
Land Degradation	5.34 mln
<b>Total:</b>	<b>18.28 mln USD</b>





## GEF STAR Allocation projects

1. Sustainable forest and rangeland management in the dryland landscapes of Uzbekistan;
2. Development of environmentally-friendly infrastructure for sustainable development of large cities in Uzbekistan;
3. Medium-Size Cities Integrated Urban Development Project;
4. Conservation and sustainable management of wetland and coastal ecosystems of the Aral Sea Basin to support sustainable livelihoods;
5. Integrated environmental management and sustainable development;
6. Sustainable energy efficiency and renewable energy financing in public buildings;
7. GEF-Small Grants Programs.



## Sustainable energy efficiency and renewable energy financing in public buildings



**Purpose:** Efficient use of fuel and energy resources, through the implementation of highly efficient energy-saving boilers and systems of internal lighting of buildings and structures, as well as the adjacent areas of social institutions.

**Budget:** 2.78 mln USD

### Objectives

- Development of national standards;
- Creation of the necessary base for the institutional development of the industry in the implementation of energy efficient technologies;
- Modernization of heating boilers at heat supply facilities and the internal lighting system in >6000 public institutions of the social sphere until 2022, including the replacement of >17,000 boiler equipment.



## Sustainable energy efficiency and renewable energy financing in public buildings



### Outcomes:

- Annual reduction of Energy consumption: electricity - up to 125.0 million kWh, natural gas - up to 65 mln.m<sup>3</sup>;
- Reduction of CO2 emissions >180 thousand tons;
- Development of the industry for the introduction of energy-efficient and energy-saving technologies and equipment to the international level;
- Laboratory equipment with modern laboratory technical equipment and measuring instruments;
- Introduction of national standards.



## Medium-Size Cities Integrated Urban Development Project



**Goal:** to demonstrate approaches of integrated urban planning and territorial development in Uzbekistan.

**IA:** Ministry of Investment

**Budget:** 1.5 mln USD

**Objectives:**

- improve selected urban infrastructure, public spaces and assets,
- access to services in Participating Cities;
- strengthen the institutional capacity of the Borrower's relevant agencies to deliver and manage local infrastructure.



# Development of environmentally-friendly infrastructure for sustainable development of large cities in Uzbekistan

**Budget:** 4 mln USD

**IA:** Municipality of Tashkent city

**Goal:** Reduction of GHG emissions and environmental pollution in cities through the greening of their infrastructure including the transport sector.



## Objectives:

1. Development of national and municipal with particular attention to the introduction of environment-friendly (Green) infrastructure;
2. Modernization of the monitoring system of the amount and sources of environmental pollutions, the introduction of a system of validation and verification of GHG reductions in cities;
3. Demonstration of best practices on development of Green urban infrastructure.



## Project: Development of environmentally-friendly infrastructure for sustainable development of large cities in Uzbekistan



**Beneficiaries:** Municipality of Tashkent city, Ministry of Transport, State company “UzAutoYo’l” and other relevant stakeholders

- Impact:**
- Improved legislative and regulatory framework aimed at the development of environmentally-friendly infrastructure at the national and municipal levels;
  - Integrated system for monitoring the amount and sources of environmental pollutions, a system for validating and verifying GHG reductions introduced and operational in the city of Tashkent;
  - Strengthened capacity, enriched knowledge.

**Output:** Operational plan/framework that can be implemented in other large cities in Uzbekistan.





# Conservation and sustainable management of wetland and coastal ecosystems of the Aral Sea basin to support sustainable livelihoods



**Budget:** 4 mln USD

**IA:** State Committee on Forestry  
State Committee on Environmental Protection and Ecology

**Object:** Strengthening the protection of globally valuable ecosystems by establishing optimal water use in the region, involving the local population in environmental activities, and also switching to more modern and environmentally sustainable forest and agriculture practices.



## Conservation and sustainable management of wetland and coastal ecosystems of the Aral Sea basin to support sustainable livelihoods



### Outcomes:

- The role of wetland, lake and floodplain ecosystems of the Aral Sea region as natural climatic bioregulators has been strengthened;
- The coverage of the territorial form of protection of rare and endangered species of flora and fauna is increased;
- Environmentally sustainable forest and land use methods have been tested through the establishment of economically sustainable interaction between the local population and the private sector;
- Alternative forms of management / sources of income for the local population (eco-tourism, ethno-eco-tourism, etc.) have been created



Strengthening capacity in the agriculture and land-use sectors  
in Uzbekistan for enhanced transparency in implementation and monitoring of  
the Uzbekistan's Nationally Determined Contribution (NDC)  
under the Paris Agreement (CBIT)



**Budget:** 1,5 mln USD

**IA:** Ministry of Agriculture of Uzbekistan  
State Committee on Land Resources, cartography and geodesy of the Republic of Uzbekistan

**Object:** Project will provide information to track progress against priority actions identified in Uzbekistan's NDC for the strengthened agriculture and land use sectors components including inventories of emissions sources and sinks under the Paris Agreement Enhanced Transparency Framework (ETF).



Strengthening capacity in the agriculture and land-use sectors  
in Uzbekistan for enhanced transparency in implementation and monitoring of  
the Uzbekistan's Nationally Determined Contribution (NDC)  
under the Paris Agreement (CBIT)



**Output:**

- Coordination mechanism established/strengthened for integrating relevant authorities from the agriculture and land-use sectors into national UNFCCC reporting processes;
- Assessment prepared on capacity gaps;
- National ETF monitoring and reporting roadmap prepared and adopted.



# Sustainable forest and rangeland management in the dryland landscapes of Uzbekistan



**Budget:** 4,3 mln USD.

**IA:** State Committee on Forestry of Uzbekistan  
State Committee on Land Resources, cartography and geodesy

**Object:**

1. Integrated landscape management with particular focus on sustainable forest management and restoration, rangelands, and livestock production;
2. Promotion of diversified agro-ecological food production systems in drylands considering their biodiversity;
3. Creation of an enabling environment to support the two objectives above.

**Outputs:**

- Multisectoral management plan integrated
- Dryland ecosystem areas restored
- Pest practices of ecosystem based management introduced





## Integrated environmental management and sustainable development



**Budget:** 0,7 mln USD

**IA:** State Committee on Environmental Protection and Ecology

**Objectives:**

- Development of integrated waste management
- Modernization of monitoring system
- Creation of NPT network
- Development of eco-certification / implementation of eco markers
- Strengthening of scientific research base on sustainable development

## GEF Small Grants Programme



**Goal:** Implementation of environment friendly technologies and methods (at least 50% of in-kind contribution )

**Budget:** 1 mln USD

**Focus areas:**

- Fisheries
- Food security
- Low carbon energy access
- Sustainable urban solutions
- Sustainable agriculture





## Reducing Chemicals from agriculture production (GEF Agrichemicals)



**Budget:** Global project budget tentatively 32 mln USD

**IA:** Ministry of Agriculture of Uzbekistan

State Committee on Land Resources, cartography and geodesy of the Republic of Uzbekistan.

**Object:** Achieve substantial and sustainable reductions in the use of POPs and relevant HHPs in agriculture project aimed to contribute significantly to other GEF-7 objectives including the conservation of biodiversity in agricultural production landscapes and pollution reduction in soil and water systems.







## Reducing Chemicals from agriculture production (GEF Agrichemicals)



### Components:

- Strengthening engagement with conventions and addressing POPs/HHPs in national frameworks
- Phasing out POPs /HHPs in key crops
- Eliminating contaminated waste generated by use of agrochemicals
- Coordination, monitoring and knowledge management

### Output:

The program will catalyse the widespread adoption of more sustainable practices, such as IPM, bio-pesticides, embracing indigenous farmer knowledge and experiential learning that should translate to general reduction in pesticide use and significant benefits to rural communities and the environment.





Thank you!

