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Federal Department of Economic Affairs FDEA  
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# WPIP MIP V Water Sector Performance and Investment Programme Municipal Infrastructure Programme V



The overall objective of the WPIP / MIP V Program is to contribute to economic, social, environmental, and territorial development, as well as tourism attractiveness.

### Specific Objective 1

Enhanced sustainability of selected municipal utilities, with improved planning, operation and integrity management and climate resilience

### Specific Objective 2

Improved and affordable access of the population in the programme areas to safe drinking water supply, sewer services and increased centralized treatment of collected waste water, monitored in accordance with EU directives.

### Indicators and expected Outputs



100 % coverage of **Direct Operational Costs**;  
Reduction of water losses;  
Adapted tariff plans;  
Improved invoicing, collection rate constantly over 85 %;  
Verified improvement of **good governance**



30,000 persons with increased **resilience to storm water** incidents in Lezha



49,500 population effectively connected to operational **waste water collection with centralized treatment systems**, monitored in accordance with EU directives



Increased population effectively connected to **improved and/or new drinking water network**.  
Increased average **daily water supply hours from 13 to 16 hours**

## EUR 125.6 million WPIP / MIP V Program Financing

German Financial Cooperation 'through KfW	Loan	EUR 80 million
German Government	Grant	EUR 9 million
EU IPA	Grant	EUR 23.3 million
SECO	Grant	EUR 13.3 million



## EU aquis - Chapter 27 and the Directive Specific Implementation Plans (DSIPs)

All works are carried out in compliance with EU Directives. Albania has upgraded and expanded strategic sector planning and aligned the laws and regulations with the EU aquis of chapter 27, in particular with regards to Water Framework (WF), Urban Wastewater Treatment (UWWT\*\*), Drinking Water (DW\*) and Groundwater (GW) Directives.

\*'Drinking Water Directive' (DWD) - 98/83/EC / 3 November 1998)

\*\*'Urban Waste Water Treatment Directive' (UWWTD) - 91/271/EEC /21 May 1991



# WPIP © MIP V

## Water Sector Performance and Investment Programme Municipal Infrastructure Programme V (2023 - 2027)

125.6 Mio EUR investment for new and rehabilitated water and waste water infrastructure in 6 regional UKR\*s

### Institutional Component

- Business planning & tariff adjustment
- Reduction of Non Revenue Water
- Revenue increase
- Management information system
- Integrity enhancing measures
- Disaster Risk Management in Lezha
- Communication and visibility



### Implementation Component

- Feasibility studies
- Design documents
- Works and services procurement
- Construction supervision
- Water loss reduction
- Energy savings
- Improved system maintenance

Improved drinking water and sanitation services of approx. 30% of Albania's total population or 50% of total urban population and of around 19,100 corporate beneficiaries (public administration, state institutions and business)

\*UKR - 'Regional Water and Sewerage Company'

# International Partners and Financing Institutions



**KfW**



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The partnership between the Albanian Government, the German Financial Cooperation through KfW, SECO and the EU to increase access to reliable and affordable water and wastewater services in Albania dates back more than 2 decades.

During this period the **Municipal Infrastructure Programmes (MIP I-IV)** were developed and implemented. In total, 446,000 people across six secondary cities in Albania benefited from the improved water supply and/or wastewater management provided by MIP I-IV.

Following the MIP I-IV, the Albanian Government, KfW, the European Union and SECO, designed a larger initiative, the ongoing **WPIP / MIP V Programme: "Water Sector Performance and Investment Programme/ Municipal Infrastructure Programme V"**.

# Albanian Partners and Beneficiaries



**AKUK**  
AGJENCIA KOMBËTARE E UJËSIELLËS-KANALIZIMEVE



REPUBLIKA E SHQIPËRIË  
MINISTRIA E INFRASTRUKTURËS  
DHE ENERGJISË





**SHKODËR**  
Fushë – Arrëz  
Malësi e Madhe  
Pukë  
Vau Dejës

# UKR Shkodra



## WPIP / MIP V investment measures



### Drinking Water Supply

- Equipment of all new **house connections** with **water meters**
- Rehabilitation and replacement of outdated and heavily leaking **transmission mains**
- Replacement and extension of the existing water supply network in DMA\*1 and DMA4 (Dobranci area and towards Rus)



### Waste Water System (in planning - to be implemented under WPIP / MIP VI)

- Upgrade of the **Main Pumping Station Shkodra**
- Construction Wastewater Pumping Main / Pressure **Pipeline ID 600** (between MPS and foreseen site of the WWTP with a length of about 5 km crossing the Buna River)
- WWTP Shkodra for about 27,900 PE\*\* (Stage Ia) **treatment capacity** (hydraulic load 55% of the ultimate design flow)
- Immediate **Upgrade WWTP Shkodra** (provided the required funds are available) for about 82,500 PE (Stage Ib)

### Key impact: reduced loss of water - improved water supply - clean environment

\*DMA - 'District Metering Area: water meters are installed in main pipes for comparing water consumption of all connected house meters with the quantity measured by the respective district meter. This indicates water leaks and/or illegal connections

\*\*PE - 'Population Equivalent': Population equivalent represents the number of individuals that would generate an equivalent amount of wastewater to be treated - i.e. quantity and pollutant concentration generated by a typical individual or source.



# UKR Lezhe



LEZHE  
Mirditë  
Kurbini

## WPIP / MIP V investment measures



### Drinking Water Supply

- **Shengjin water supply system:** Over 5 km new transmission main and rehabilitation of existing wells
- **Kodra Marlekaj:** new distribution network (over 12 km pipes) and booster pump station
- **Kakariq & Gocaj Village Water Supply System:** 2 new wells, new reservoir and new distribution network (over 16 km pipes)



### Waste Water System

- Upgrading **Wastewater Treatment Plant** – new inlet pumping station, mechanical equipment



### Storm water system

- Complete **redesign of the stormwater network** in order to capture a maximum of the outer/rural areas on the hillside and to avoid discharge to low-lying areas in the city-centre
- **Separation of wastewater from storm water** in the network;
- For **Disaster Risk Reduction:** new box culverts, sediment traps, construction and rehabilitation of stormwater pumping stations.

**Key impact: two completely new networks - more safety for people from stormwater**

\*SCADA - "Supervisory Control and Data Acquisition" - Installment of equipment for remotely (via GSM) measuring and controlling pressure, water flow, level and water quality in reservoirs, networks (DMAs), pump stations etc.





**ELBASAN**  
Peqin  
Librazhd  
Belsh  
Cërrik  
Gramsh

# UKR Elbasan



## WPIP / MIP V investment measures



### Drinking Water Supply works

- Over **42.5 km of mains pipes** will be replaced and about **3,000 new house connections** will be installed
- **About 10,000 new individual water meters** will be installed in Elbasan
- **New reservoir in Krasta e Madhe**
- Full rehabilitation of the existing **reservoirs Krasta e Madhe and Krasta e Vogel**
- Upgrading of **DMA sytem** to improve network control and reduce loss of water
- Implementation of **SCADA\* system** for local and central monitoring and controlling of reservoirs, well fields and water distribution networks



### Wastewater system

- Construction of 3.4 km **wastewater network** to protect the well fields Krasta e Vogel, Mengel and Frigoriferi



*Water pipe from reservoir Krasta e Madhe*

**Key impact: highly improved water supply - new control system - safe wells**



# UKR Fier



FIER  
Patos  
Roskovec  
Mallakastër

## WPIP / MIP V investment measures

### Drinking Water Supply works

- **Fier water network** - supply and installation of ca. **45km of pipes** and nearly **2300 consumer connections**
- **Karafaj Well Field** - Construction of **new pumping station** for all wells and rehabilitation of intermediate reservoirs.
- **Kafaraj Well Field - Rehabilitation of 4 wells**, drilling and construction of **3 to 4 new wells**
- Major upgrade and improvement of **SCADA system** for monitoring and controlling wells and reservoirs as well as the network (reducing water loss and increasing revenues).

### Wastewater system

- Extension of **wastewater network**
- Construction of **new sewer pumping station**.



*Karafaj Well Field - Rehabilitation of 4 wells and drilling and construction of 3 to 4 new wells*

**Key impact: highly improved water network and control system - enough water available 24/7/365**



# UKR Berat

BERAT  
Kuçovë  
Poliçan  
Ura Vajguror  
Skrapar

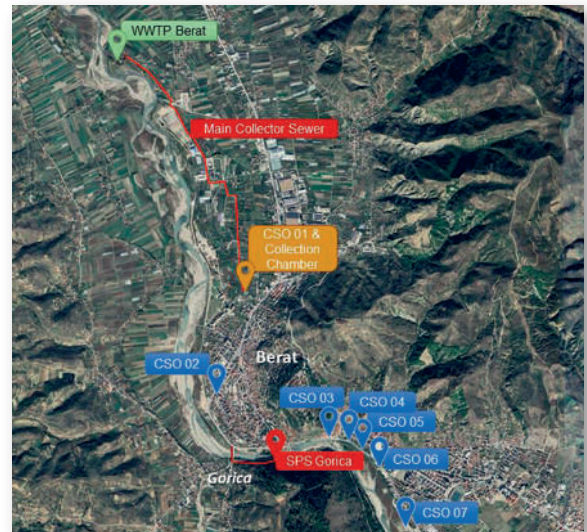


## WPIP / MIP V investment measures



### Wastewater system

- Construction of a **new Wastewater Treatment Plant (WWTP)** of 49,500 PE capacity with mechanical and biological treatment, sludge treatment and solar sludge drying.
- Construction of about **3 km main collector sewer** to the new WWTP
- Construction of **new sewer pumping station** for connecting Gorica area to the sewer network by crossing the river via the Ura e Re bridge
- Improvement and **upgrading of the stormwater / sewer structure** for separating stormwater from sewer network (construction of 7 sewer overflows (CSO 01 to CSO 07))



Overview of main works carried out under the WPIP / MIP V program

**Key impact: new wastewater collection and treatment system assures clean environment**



# UKR Vlorë



VLORA  
Himarë  
Selenicë

## WPIP / MIP V investment measures

### Drinking Water Supply works

- Rehabilitation / replacement of the Water Supply Distribution Network Vlorë with a total **network length of 96.9 km** with **5,361 house-connections** and 171 fire hydrants **servicing a population of ca. 95,400**
- Rehabilitation of the **Old Town Reservoir**
- 5,500 new consumer **customer water meters** assuring reading based billing and monitoring / control of potential water losses
- Rehabilitation and upgrade of **DMA system**
- Upgrade and improvement of **SCADA system** for monitoring and controlling reservoirs, chlorination, main pumps and DMAs (reducing water loss and increasing revenues)

### Flood protection

- Rehabilitation of the **Sea Water Protection Dam** for protecting the 3 major pump stations PS4, PS6 and PS7



*Aerial view of Pumping Station 6 - Rehabilitation of Sea Water Protection Dam*

**Key impact: 24/7 water supply for over 95,000 inhabitants**





# WPIP MIP V

Water Sector Performance and Investment Programme  
Municipal Infrastructure Programme V  
(2023 - 2027)



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