



Water Negotiations and Investment Planning Support Project, Albania

Supporting Albania to comply with EU Directives



Agglomerations and Water Supply Zones

Deliverable: Full Report on a) Identification and delineation of agglomerations and of sensitive areas in accordance with Council Directive 91/271/EEC concerning urban waste water treatment (UWWTD) – and b) Identification of water supply zones in accordance with Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption (DWD).

Status: Final report delivered and approved.



Directive Specific Implementations Plans (DSIPs)

Deliverable: Fully developed Directive Specific Implementation Plans (DSIP) for Urban Waste Water Treatment Directive (UWWTD) as well as for the Drinking Water Directive (DWD), in order to enable the Albanian authorities to identify and implement legal, institutional and technical measures to ensure compliance with the Directives.

Status: Final draft agreed with beneficiaries and presented to Stakeholders



National Sludge Management Strategy (NSMS)

Deliverable: Summarise the relevant legal and institutional framework, assess sludge generation, quality and management at existing waste-water treatment plants (WWTPs) and evaluate sludge production estimates and management strategies prepared for the WWTPs currently in planning and under construction.

Status: Final draft produced, ready for final discussion



Investment Programme

Deliverable: Development of an investment programme for water supply and waste-water collection and treatment, for the periods 2021 – 2027 and 2028 – 2034.

Status: Will be drafted following the final approval of DSIPs and of National Sludge Management Strategy



Capacity Building

Deliverable: A tailor made capacity building / training programme based on the needs as identified in the DSIPs in agreement with the beneficiary. Specific measures will be developed for each of the key partners responsible for implementing the measures for both DSIPs - DWD and UWWTD.

Status: Will be drafted following the final approval of DSIPs



Legal Framework

Deliverable: Full report on the legislation needed to enable the completion of the transposition of the DWD and the UWWTD. The key word here is 'enable': merely transposing the Directives into Albanian law does not guarantee that they would be implemented in compliance with EU requirements.

Status: Conform with DSIP status respectively with National Sludge Management Strategy



Water Supply



The situation of Albania referring to reliable and good quality sources for drinking water is good. The Report on 'Agglomerations and Water Supply Zones; has identified in total 1,185 water supply zones all over the country. However, most of the Water Supply Zones are not compliant with the DWD regarding bacteriological water quality.

Water Treatment and Distribution



15 Water Supply and Sewerage Companies (WSSC) serve the Albanian Population. Substantial investments need to be made for extending and rehabilitating the water treatment and distribution infrastructure in order to comply with the 'Drinking Water Directive (DWD).

Waste Water Collection and Treatment



The Waste Water Collection and Treatment infrastructure demands the highest investments to achieve compliance with the standards set by the Urban Waste Water Treatment Directive (UWWTD).

Please note: Status as per January 2023



Directive Specific Implementation Plans (DSIPs)

Presentation of results and recommended measures in order to comply with the DWD and the UWWTD

Overall Scope	The Directives	Scope of the DSIPs
The Project supports Albania’s negotiations with the European Union with regard to the two Directives ‘DWD’ and ‘UWWTD’ of the Chapter 27 of the acquis	<ul style="list-style-type: none"> • ‘Drinking Water Directive’ (DWD) - 98/83/EC / 3 November 1998 • ‘Urban Waste Water Treatment Directive’ (UWWTD) - 91/271/EEC /21 May 1991 	Enable the Albanian authorities to identify and to implement legal, institutional and technical measures to ensure compliance with the Directives

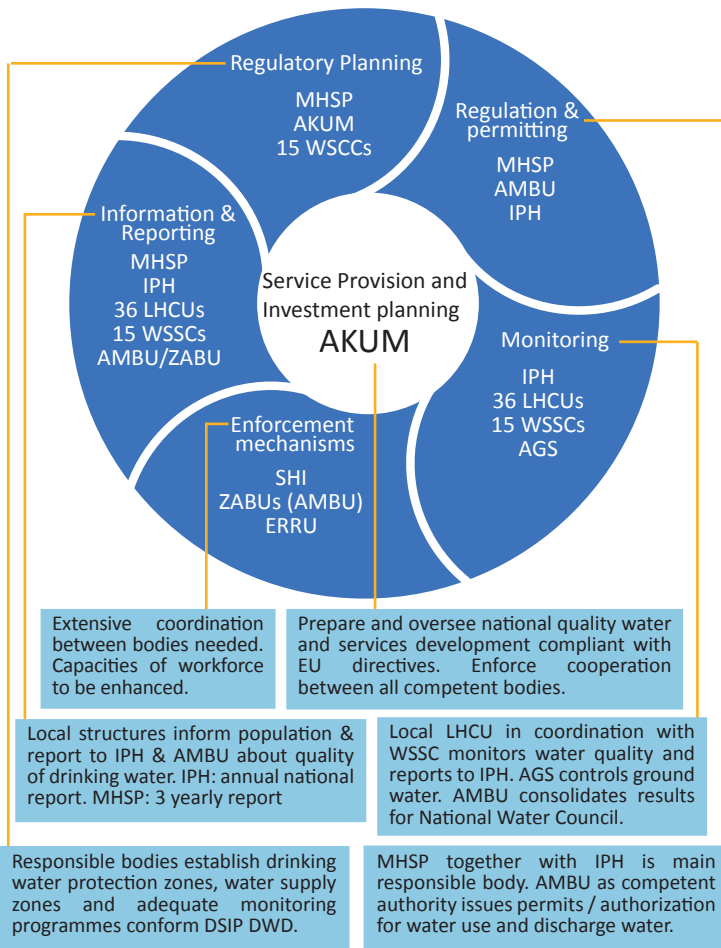
DSIP implementation - institutional measures and efficient collaboration

In this publication we focus on presenting the institutional measures / functions identified as crucial for implementing the DSIPs. Cooperation and efficient collaboration between all competent bodies need to be supported and strengthened on all levels. Furthermore, a bundle of legal and political measures have to be taken for assuring successful implementation of the DSIPs.

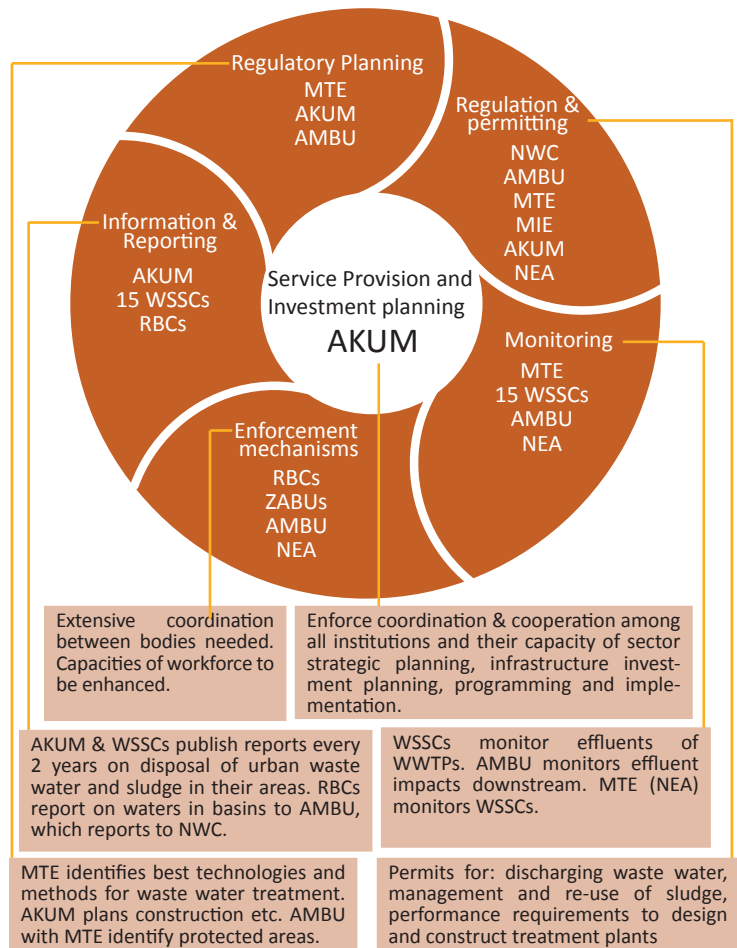
Ministry of Health and Social Protection	MHSP
Institute for Public Health	IPH
State Health Inspectorate	SHI
36 Local Health Care Units	LHCU
Ministry of Infrastructure and Energy	MIE
Nat. Agency of Water, Sewerage & Waste Infrastructure	AKUM
Water Supply Sector Regulatory Authority	ERRU
Albanian Geological Survey	AGS
Agency for the Management of Water Resources	AMBU
4 Water Basin Administration Offices	ZABU
15 Water Supply and Sewerage Companies	WSSC

Ministry of Tourism and Environment	MTE
River Basin Management Plan	RPMP
New Regional Water and Sewerage Companies	SKPUK
Ministry of Finance and Economy	MFE
Ministry of Infrastructure and Energy	MIE
Nat. Agency of Water, Sewerage & Waste Infrastructure	AKUM
River Basin Council	RBC
National Water Council	NWC
Agency for the Management of Water Resources	AMBU
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“Wheel of implementation” DWD



“Wheel of implementation” UWWTD

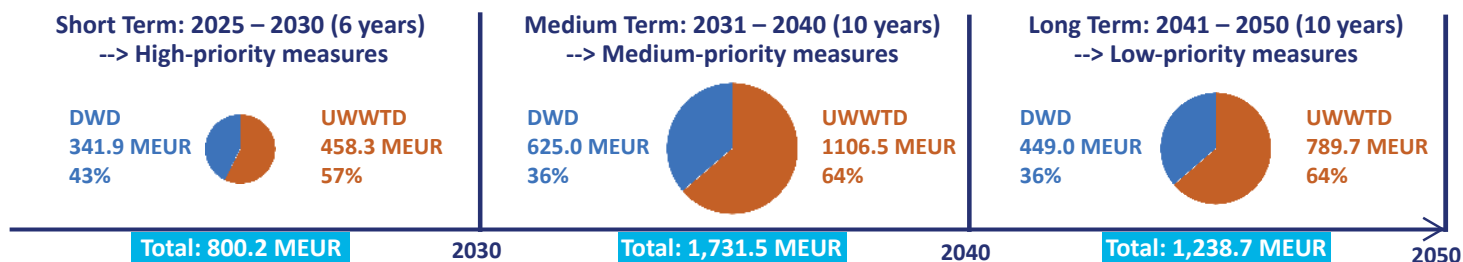


Cost Estimate Capital Investments in MEUR* for DWD and UWWTD

*MEUR - million Euro

DWD Water Supply Infrastructure gaps and measures		MEUR	UWWTD Waste Water Infrastructure gaps and measures		MEUR
Drinking Water production  <ul style="list-style-type: none"> Construction of new wells and springs for 108 WSZs with an additional capacity of 36,606 m³/day Replacement/Rehabilitation of about 800 wells and springs 		45.0	Wastewater collection extension  <ul style="list-style-type: none"> Construction of 2,719 km of new sewer pipelines Construction of 370 km of main transport collectors and sewer interceptors inclusive of about 800 kW of installed power for waste water pumping. 		848.5
Water treatment & disinfection  <ul style="list-style-type: none"> Construction of new and rehabilitation of 1,016 chlorination facilities Rehabilitation of one water treatment plant 		18.1	Wastewater collection rehabilitation  <ul style="list-style-type: none"> Rehabilitation/replacement of 1,489 km of existing sewer during the planning period (about 2 % per year ~ full replacement in 50 years) 		348.4
Water supply network  <ul style="list-style-type: none"> Extend existing water supply network by 2,122 km including reservoirs with a total capacity of 25,498 m³ and 91,719 service connections Rehabilitate/Replace 4,296 km of distribution network and 1,227 km of transmission mains including 233 pumping stations (51 % of existing ones), 1,529 reservoirs (35 % of existing ones) and 403,192 service connections (45 % of existing ones); 		248.3	Wastewater treatment  <ul style="list-style-type: none"> Rehabilitation and completion of construction of the 14 existing WWTPs, further expansion of their capacity, and upgrade of their treatment level. Construction of additional 100 new WWTPs (of which 16 have already been designed at the feasibility or conceptual level). Rehabilitation measures for asset reliability and efficiency (WWTP laboratories, mechanical, electrical, instrumentation, control and automation equipment) 		670.1
Laboratory equipment  <ul style="list-style-type: none"> Establish an accredited laboratory for water supply analysis in each of the 15 WSSCs and procure additional laboratory equipment for 36 LHCUs. 		4.8	Laboratory equipment  <ul style="list-style-type: none"> Increase collection and analysis from 196 to 944 WWTP effluent samples per year (--> new national reference accredited laboratory) 		1.0
Engineering and Contingencies		266.0	Engineering and Contingencies		467.0
Legal, Policy and Institutional Measures		78.0	Legal, Policy and Institutional Measures		19.5
TOTAL DWD 1,485.0			TOTAL UWWTD 2,354.5		

Total Capital Investments Implementation Timeframe 2025 - 2050 in MEUR



Total Capital Investment Costs 2025 - 2050 (DWD + UWWTD): 3,770 MEUR

Context and background

Role and contribution of DSIPs to the EU accession process

Albania is in the process of negotiating with the European Union (EU) the terms of its eventual accession to membership of the EU. Accession carries with it the obligation to implement EU policy, of which EU legislation is the primary enabling mechanism. Directive-Specific Implementation Plans (DSIPs) form a significant subset of the arrangements that Albania will

put in place, in order to achieve two purposes:

1. **Establishing the dates** by which Albania commits to achieving compliance with the specific provisions of individual Directives;
2. Demonstrating that Albania has a **credible basis for its commitments**.

Approach and Methodology applied for drafting the DSIPs

Inventory of existing situation - water supply zones, water treatment facilities, water distribution network; and agglomerations, sensitive areas, waste water collection infrastructure, existing waste water treatment plants etc.

Analysis of present situation, future development and directive specific compliance demands. Based on this 'triangulation' all

legal, institutional and technical gaps, and subsequently the according measures to close these gaps are identified. Based on the gaps and resulting measures a detailed investment **cost calculation** is made on the base of which an **implementation plan** is drawn up for implementing and financing all identified measures for achieving compliance with the directives.

Collaboration and Coordination - key to valid and relevant results

During altogether 8 Workshops - 4 on DWD and 4 on UWWTD - the NIPS experts together with the staff of competent bodies and involved stakeholders developed structure, content and key results of the DSIPs



DSIP Workshop 22 June 2022 - DWD



DSIP Workshop 30 July 2022 - UWWTD



Final DSIP-DWD Workshop 13 December 2022

Project Partners



Financing
Swedish International Development Cooperation Agency



Client / Beneficiary
National Agency of Water Supply, Sewerage and Waste Infrastructure



Client / Beneficiary
Ministry of Infrastructure and Energy



Consultant
Setec Engineering Austria, Consortium Leader



Consultant
SWECO, German, Consortium Partner

Project Name:

Water Negotiations and Investment Planning Support, Albania

Project Duration:

12 April 2021 to 30 April 2023

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