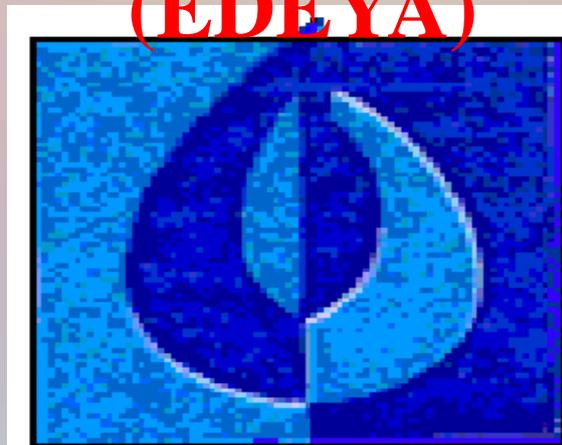


# Municipal water operators as major stakeholders in the development and functioning of the RBMPs

Markos Sklivaniotis  
Chemical Engineer PhD

**Hellenic Association of Municipal Water Operators  
(EDEYA)**



# Who are We?

The **Hellenic Association of Municipal Enterprises for Water and Sewage (EDEYA)** represents **117** Municipal Operators out of 130 functioning all over Greece, covering a population of **5.220.000**.

They were created under the special Law 1069/1980, functioning as an independent legal entity of the Municipality. Only one water operator per Municipality is allowed by the Law.

# What we do?

Under Municipal Operator's (DEYA) responsibility is the full service of

- Raw water collection,
- Raw water treatment,
- Drinking water distribution,
- wastewater collection,
- wastewater treatment and
- treated effluent discharge or reuse.
- Irrigation or/and central city heating management (very few cases)

# Basic Measures Established per River Basin under the Management Plan

A typical set of Basic Measures contains 12-18 measures.

70-80% of these measures relate strongly to municipal water operators (DEYA).

# Basic Measures Established per River Basin under the Management Plan

Realization of Water Safety Plans for all major Water Operators (DEYA).

Involves the Regional Water Authority for what concerns the protection of the abstraction sites, but all the WSP management rest on the Water Operators.

# Basic Measures Established per River Basin under the Management Plan

Works for revamping existing piping infrastructures for drinking water

Leakage minimization

Operational optimization of DW networks

# Basic Measures Established per River Basin under the Management Plan

Drafting or improvement of Water Masterplans

# Basic Measures Established per River Basin under the Management Plan

Definition of all zones containing water bodies with abstractions intended for human consumption

Protection schemes for **surface water** abstraction intended for human consumption

Precise boundary definition for areas containing **ground water** abstraction intended for human consumption, over 1.000.000 m<sup>3</sup>/year

# Basic Measures Established per River Basin under the Management Plan

Installation of modern flow monitoring and recording equipment for **every ground water** abstraction.

Installation of flow monitoring and recording equipment for **major surface water** abstractions  
( $>10 \text{ m}^3/\text{d}$ )

Criteria specification per River Basin determining the **maximum total water abstraction**

# Basic Measures Established per River Basin under the Management Plan

Development of a **Master Register** of areas where treated wwtp effluents are reused in irrigation or artificial aquifer recharge.

Drafting of best practice manual for wwtp effluent reuse

# Basic Measures Established per River Basin under the Management Plan

Modernization of the legal framework relating to the management and reuse of the **sludge** produced from Municipal WWTPs

# Complementary Measures Established per River Basin under the Management Plan

Harmonization of the methodologies used for the estimation of the water cost management

Benchmarking schemes for the identification of strong and weak points in water management and cost.

# Complementary Measures Established per River Basin under the Management Plan

Voluntary participation of major operators to training schemes aiming to best practices development for water use and water pollution

# Complementary Measures Established per River Basin under the Management Plan

Special measures for monitoring and control of **priority substances**, particularly plant protection products and banned substances, in water bodies.

# EurEau The European dimension



EurEau  
1975-2015

Water matters

EurEau is the voice of Europe's water sector.

Represents public and private drinking and waste water service providers. Its members are the national

water service associations from **28 European countries**. Bring sector professionals together to discuss quality, resource efficiency and access to water for Europe's citizens and businesses.

**Employing** around **500,000 people**, the sector makes a significant contribution to the European economy.

# EurEau The European dimension



EurEau  
1975-2015  
Water matters

## EurEau President statement

“We are the ones treating water every day. We know what is needed to protect **consumers** and the **environment**. Although the timetable for the revision is long, we must start work on it now. It is important that as many actors and stakeholders as possible engage. We urge anyone who is also considering the WFD or will soon do so, to contact us.”

“Without sufficient water resources, European’s health, their environment, their jobs and their society are all at risk. The new WFD needs to work with existing legislation such as the CAP, work across policy areas and be fully implemented. We must never take water resources for granted.”

**Thank you for your attention!**