Interreg
IPA CBC
Greece - Albania
SAVE-WATER

NEXT STEPS FOR SAVEWATER PROJECT FOR THE MUNICIPAL ENTERPRISE FOR WATER SUPPLY AND SEWERAGE OF IOANNINA

Slide Title

- Municipal Enterprise for Water and Sewarage of Ioannina was established in 1985 and is one of the biggest in Greece. It manages :
- 320 Km of water supply network and a numerous of water tanks and drillings
- 80.504 household and SME's water meters
- 120 Km of sewage drainage network
- 220 Km of rainwater drainage network
- A waste water treatment plant of 165.000 e.p.

SCADA infrastructures

- The first attempt for designing and installing a Supervision Control and Data Acquisition System concerning water supply infrastructures was in 2000.
- Since then our infrastructures has been expanded to monitor:
  - the wastewater treatment plant,
  - the 10 most important industries located in the Industrial Area of Ioannina (in terms of wastewater quality and probability of pollution)
  - the main sewage pumping stations of Ioannina.

Save Water

- Save water project aims to step up our effort of developing an integrated leakage detection tool for our water distribution system following the terms and the objectives of Framework Directive 2000/60/EC for water where new strategies must be implemented in water management in order to minimize water loss.
- That is using new technology tools in order to monitor and manage our infrastructures, (digital mapping, GIS platforms, detailed hydraulic models, databases management tools, remote control systems, smart hydro-meters etc.)
- **Moreover Save Water project...**

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Save Water

- Compiles with our new project that is funded by the European Cohesion Fund that supports improvement of environmental and transport infrastructures in EU Members managed by the Greek Ministry of Economy and Investments.
- The budget of the project is **1.499.905,10 euro** and includes the construction and installation of **58 new monitoring stations**, (pressure and flow measurement), in various locations of the water supply network in the densely populated areas in Ioannina basin, adjoining the city of Ioannina.

Save Water

Using the International Standard for Water Balance Evaluation the Municipal Enterprise for Water Supply and Sewerage is classified in Category D. That is, **insufficient use of resources, the use of leakage reduction programs is imperative**

Αποδοση δεικτων των φυσικων απωλειων					Ομαδα αποδοσεων	
	Μέγιστη κατηγορία	Περιθώριο κάτω [+/-]	Κάτω περιορισμός	Άνω περιορισμός	Κατάσταση της χώρας στην ανάπτυξη	Εξέλιξη ανάπτυξης της χώρας
Δείκτης Διαρροής Υποδομής	69	22%	54	84	D	D
Λίτρα ανά σύνδεση ανά ημέρα (w.a.p.) w.a.p.: όταν το σύστημα είναι υπο πίεση - αυτό σημαίνει ότι ο η τιμή έχει ήδη διορθωθεί στην περίπτωση διακοπτόμενης τροφοδοσίας	484	22%	378	590		
Λίτρα ανά Σύνδεση ανά ημέρα ανά μετρο πίεσης (w.a.p.)	69	22%	54	85		
κ.μ./ χιλ κιλομέτρων αγωγών ανά ώρα (w.a.p.)	4,65	21%	3,66	5,64	Απολογίες	Απολογίες

Also through the pilot application will be gained the experience for the operation and

Conclussion

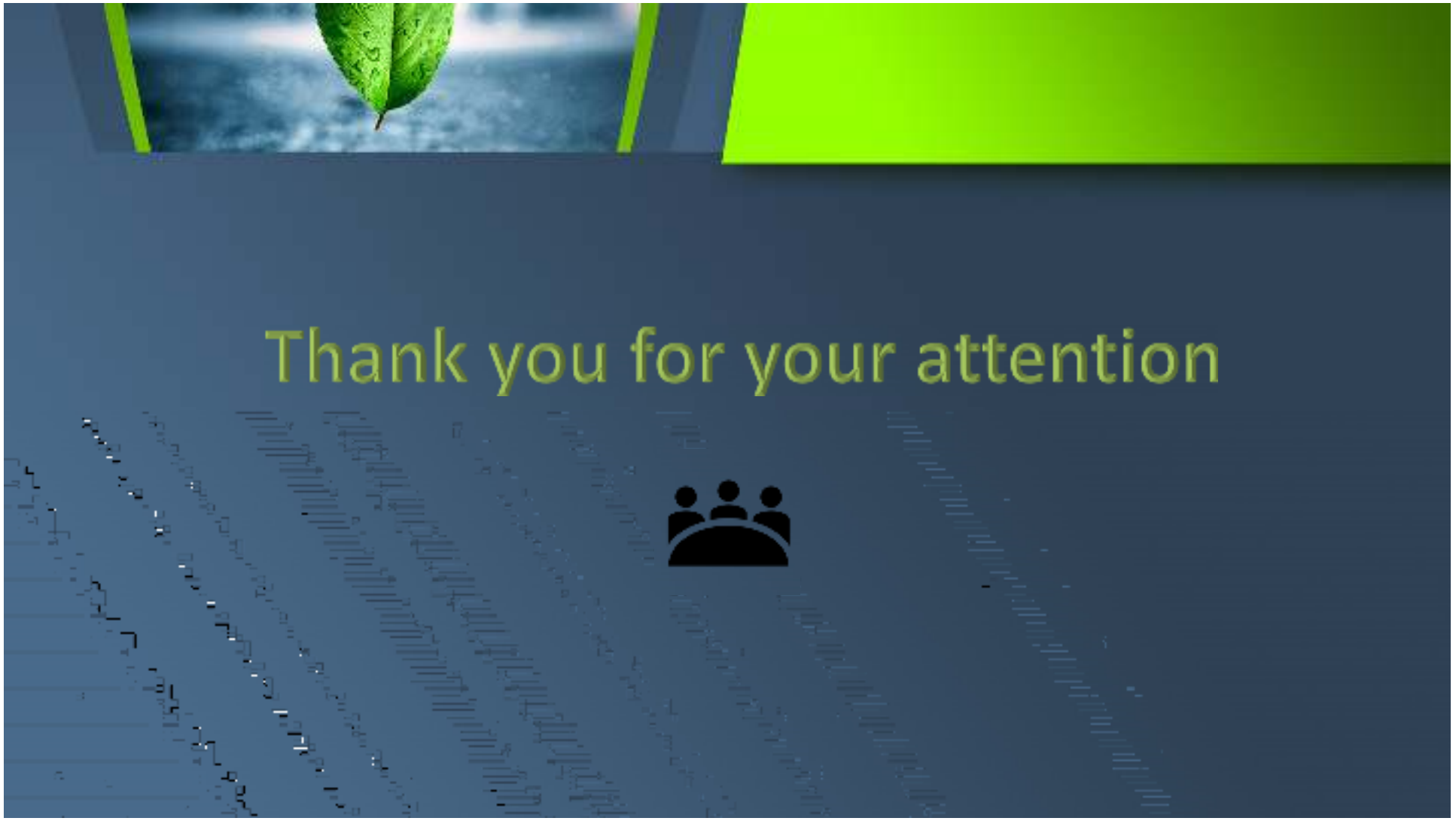
AIM A

Recording of basic elements of water supply system, (upgraded database) and use of new technology features in the management of water distribution system that will benefit the reduction of water losses,

(real and apparent)

AIM B

- Gain experience, through the pilot action, for the operation and installation of smart hydrometer systems. This contributes significantly to the reduction of losses due to measurement failures when traditional magnetic hydrometers are used


Thank you for your attention