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**SWITCH**


## SWITCH Alexandria story: Linking research, demonstrations, training and stakeholder engagement for impact

### SWITCH 5<sup>th</sup> Scientific Meeting, 13-16 October, Lodz, Poland

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## Introduction

- The governorate of Alexandria extends all along a coastal line of about 70 km. It covers a total area of about 2818.8 km<sup>2</sup>, divided into six administrative districts.
- Egypt's second Largest city.
- Popular summer destination.
- Population increases from 4 million to 6 million in summer.
- Forty percent of Egyptian industry is based in Alexandria.

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# State of the Water

- The Nile River represents the main renewable source of water for the city supplying over 95% of its water demand
- Rainfall is low (200 mm/year)
- Approximately 80% of Alexandria's city population is connected to a centralised sewerage network where the city sewage is at least primary treated.
- Most of the city is covered with potable water supply networks.




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# Learning Alliance to Strategic Planning




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## Strategy Studies

- LA is represented in Strategy Studies
- Studies include: Waste Water Reuse potential, Ground Water potential, Water Demand Management, Institutional mapping, Financial sustainability, Desalination, and Urban Water Modeling.
- Studies has been Launched, Discussed, and Evaluated in three workshops where LA members participated.


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## IUWM plan

- Strategy studies results are major inputs for the plan.
- All existing plans are being studied so that the IUWM plan goes in line with them (NWRP , Alexandria water and Wastewater Master plan 2037).
- A study has been made to assess Nile Water availability in 2037 so that the degree of dependence on unconventional water resources is known.
- A huge LA contribution.

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# Lessons Learnt


- **Role of LA:** serious engagements and commitments between meetings.
- **International Exposure:** chances of continuous exposure after SWITCH.
- **Implementation:** Continuous delays could cool down enthusiasm.
- **Strategy Studies:** Essential for making SWITCH more realistic.

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# Demonstration

Demand and wastewater Management in Informal Settlement Area of Ma'awa Sayadeen (Fishermen's Village)



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# Demonstration




2008
2010

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# Demonstration: Main Street




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# Demonstration: Inner Streets




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# Demonstration: Youth Center




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## Quotes

“ Alexandria is a good example of a city of the future. It is the second largest city in Egypt which urgently needs integrated water management. Through SWITCH we have achieved changes in decision making and we are making changes towards real integrated water management.”

LA member/ researcher (2010)

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## Quotes

“This SWITCH project has increased my knowledge and exposure to so many things. It has created a good thinking environment for me. In the field of waste water management and waste water use it is changing decisions where we are moving towards integrated urban water management”.


LA member/ researcher


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# Quotes

“Our current physical and commercial losses are about 35%. The purpose of my scenarios was to reduce these losses to maybe 15%. We know this is very optimistic, but after preparing the scenarios we know that this target is within range “


Engineer from the Alexandria Water Company (August 2010)


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# Quotes

“Let’s not forget to be proud of our achievements in capacity building”

Dr. Khaled AbuZeid, CEDARE


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# Quotes

“SWITCH has given me some “feel-good” moments”


Mohamed Elrawady, CEDARE

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# Quotes

“GOD BLESS YOU”

An old woman in the demo site

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Thanks for helping  
Alexandria SWITCH  
to IUWM

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