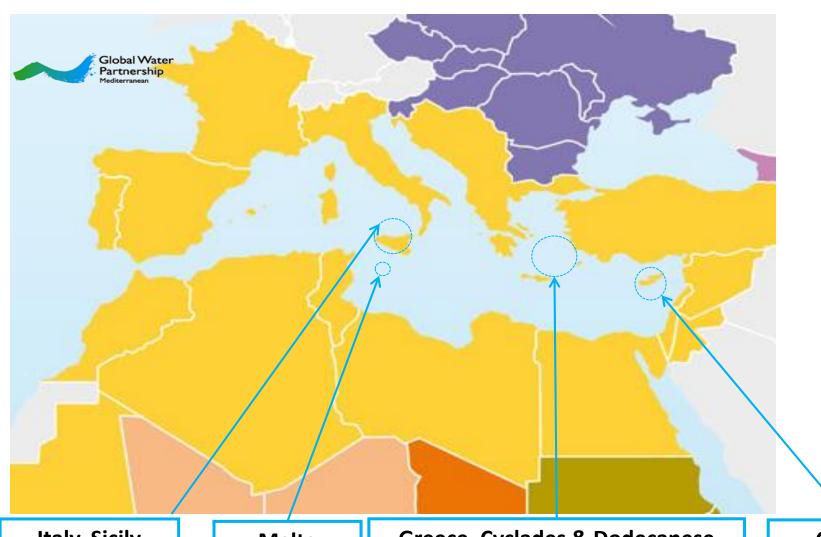




Non-conventional Water
Resources – experience from
Mediterranean islands with
replication potential in the
MENA

Konstantina Toli Senior Programme Officer, GWP-Med

# Non Conventional Water Resources Management in the Mediterranean

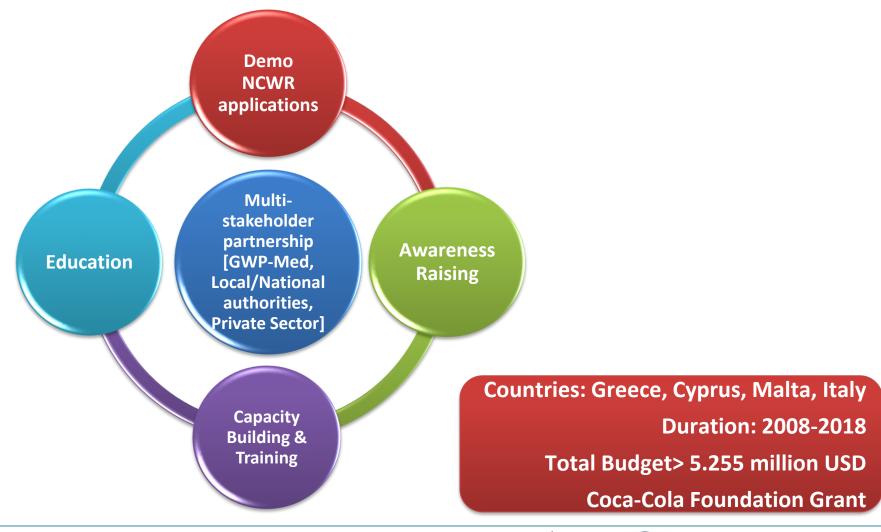


Italy, Sicily (2017-2018) Malta (2011-2017) Greece, Cyclades & Dodecanese Islands (2008-2018)

Cyprus (2013-2017)

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# Non Conventional Water Resources Programme in the Mediterranean



















Lanitis





#### Non Conventional Water Resources Programme in the Mediterranean

- ☐ Aims at promoting Non-Conventional Water Resources Management (NCWRs) and especially rain and stormwater harvesting and grey water reuse, mainly in urban and peri-urban areas, in islands and coastal cities, as cost effective practices for water availability and climate change adaptation at local level.
- ☐ The Programme's objectives are:
  - To demonstrate innovative & cost effective NCWR solutions, through demo projects
  - To train teachers to educate students on NCWR and increase awareness on sustainable water use
  - To enhance the capacity of the local authorities in NCWRM & IUWM
  - To train local technicians on the application of modern NCWR systems
  - To promote multi-stakeholder partnerships for local NCWR initiatives.
  - To promote knowledge and sharing of experiences on aspects of integrated approaches to urban water management.
  - To advance regional dialogue on NCWR among Mediterranean countries

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### NCWR Applications (I): Rainwater Harvesting

- Increase local water availability
- Water suitable for various non-potable uses
- Traditional method for islands in the Mediterranean



## Rainwater Harvesting Applications





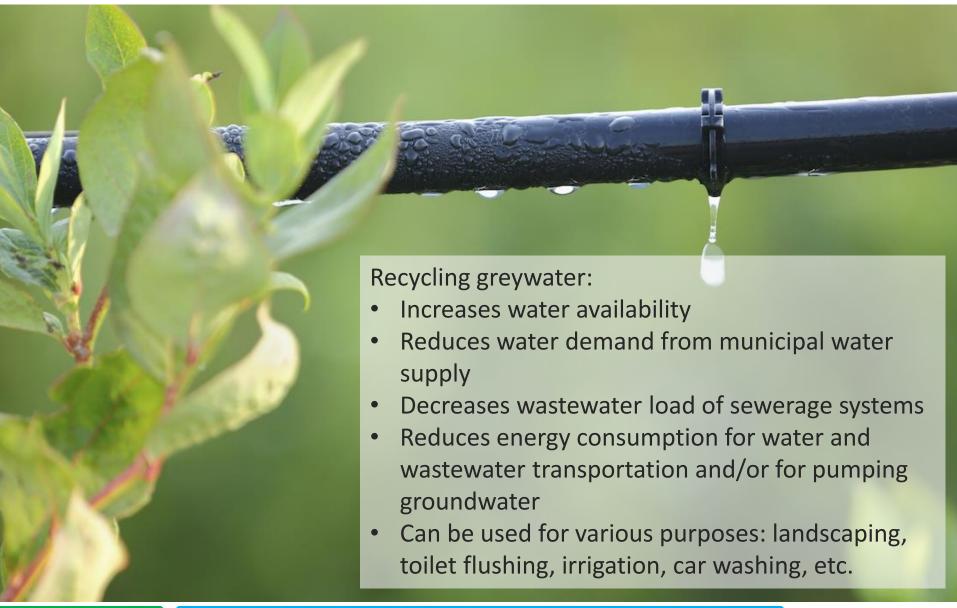




San Anton's Palace, MT



#### NCWR Applications (II): Greywater Recycling



## **Greywater Recycling Applications**









#### Malta College of Arts, Science & Technology, MT

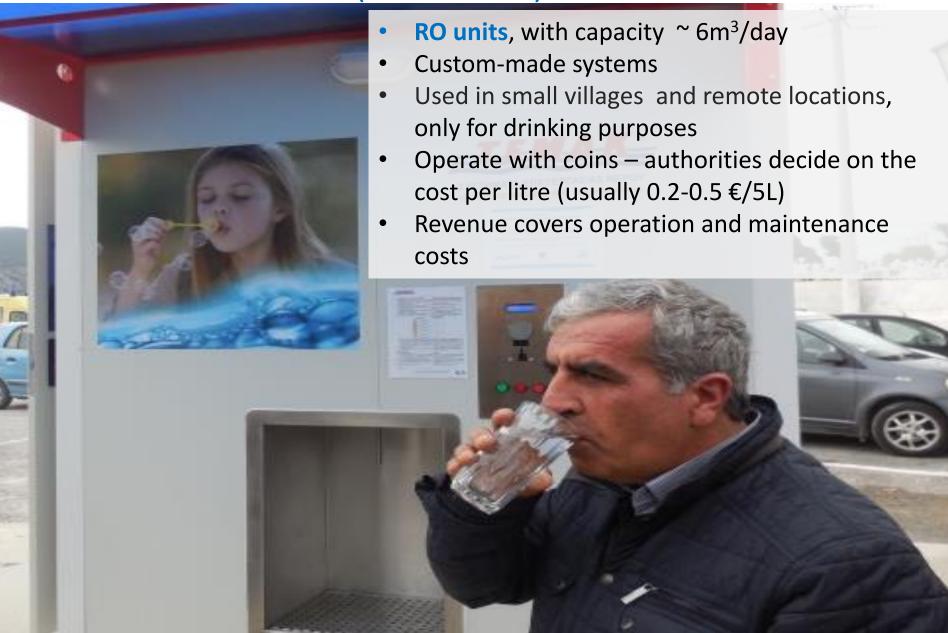






National Swimming Pool, MT

### Small desalination units (Water Kiosks)



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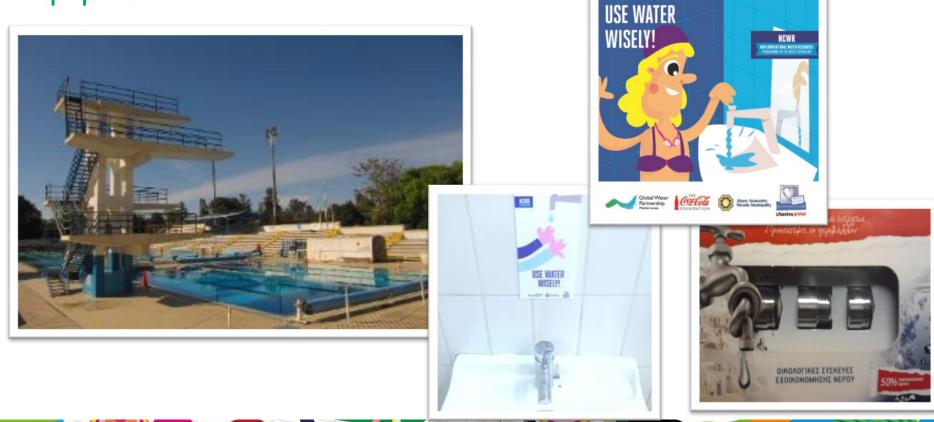
#### Water Efficiency: water saving devices & low flow equipment

- Discourage wasteful behaviour of users in facilities of increased consumption, e.g. swimming pool showers.
- Decrease domestic consumption by 20-30% using water saving devices in households



Improving Water Efficiency: water saving devices & low flow







#### Capacity Building & Training - Creating Green Jobs



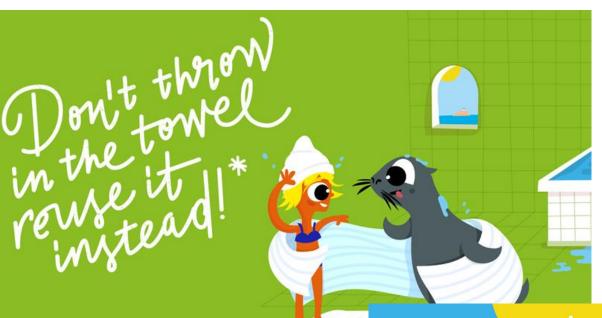
#### **Educational Programme**



#### **Awareness Raising & Communication**



https://www.youtube.com/watch?v=hxxyVDFWaXY&t





\*In this way you save valuable water resources! #savewater



Coca Cola



## Thank you for your attention!

For more information:

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