

EU Green Week
PARTNER EVENT

Achieving resilience in water services provision - Malta



Lisbon, Portugal
4 June 2024

#WaterWiseEU



Policy Context

Water Management in Malta starts from a context of “unavailability of sufficient natural freshwater resources”.

Policy Focus on meeting water demand and thereby ensuring security of supply, in a progressively sustainable manner.

Two main action lines:

Water Demand Management – ensuring water use efficiency; and

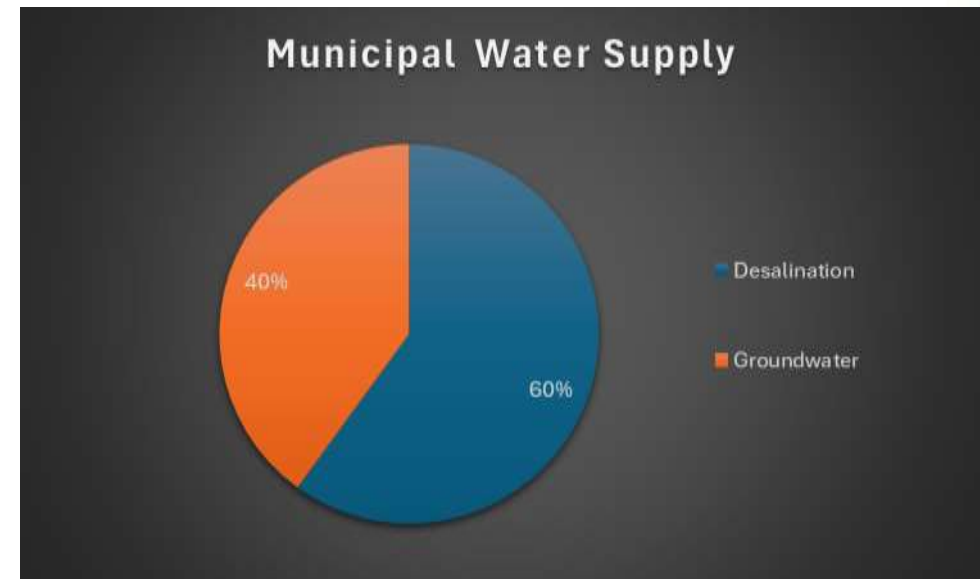
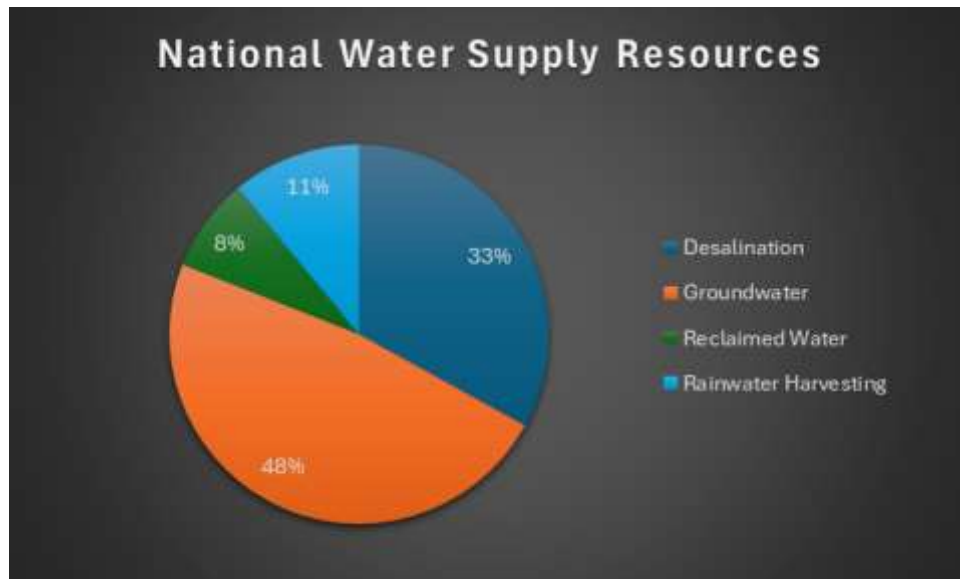
Water Supply Augmentation – supplementing natural water resources.



Resilience

The context of “resilience” is inherently tied with water supply diversification.

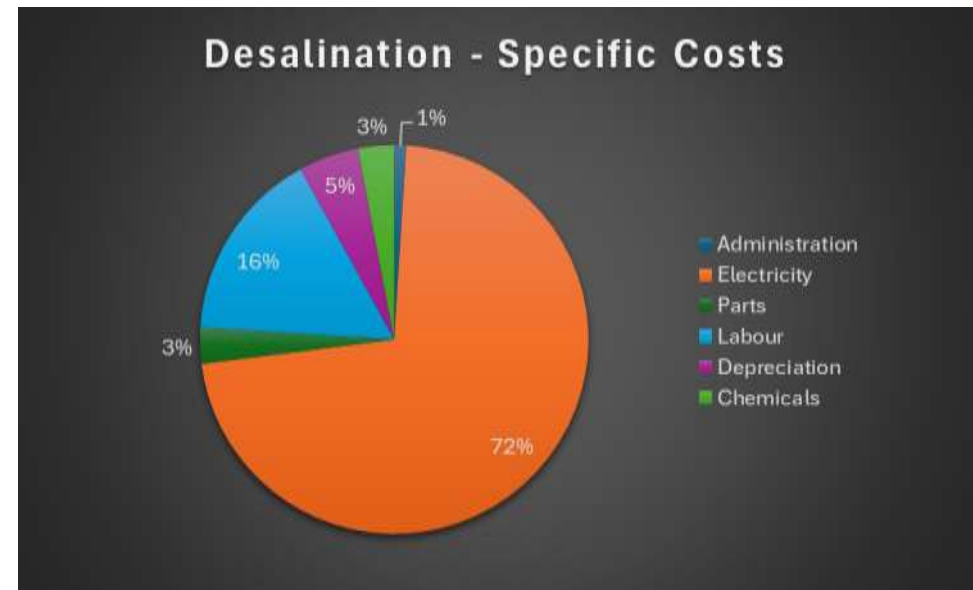
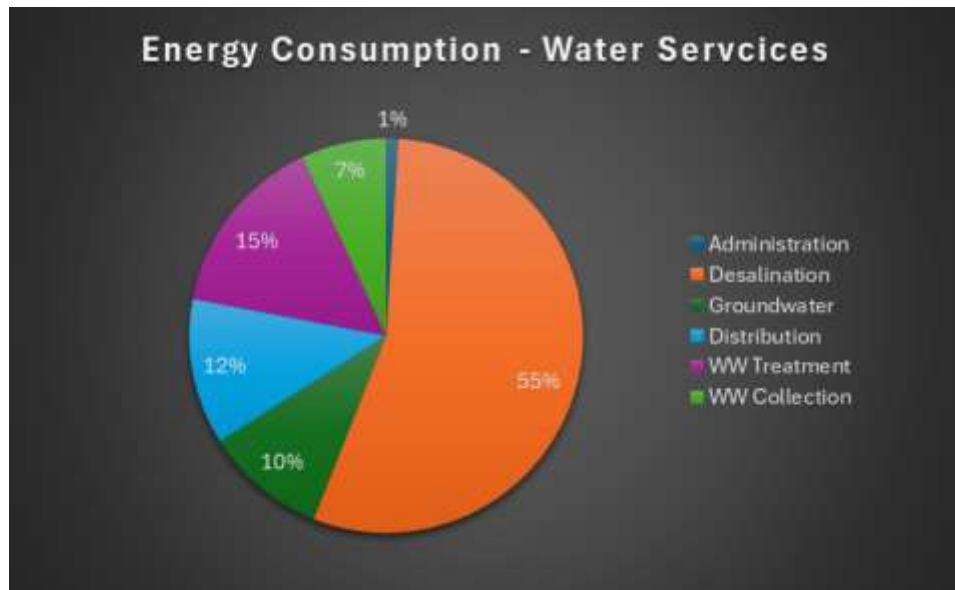
Important role of Non Conventional Water Resources (augment and diversify) and Water Demand Management (increase efficiency).



Nexus Context

Strong link between energy and water – in terms of the energy requirements for water production and distribution.

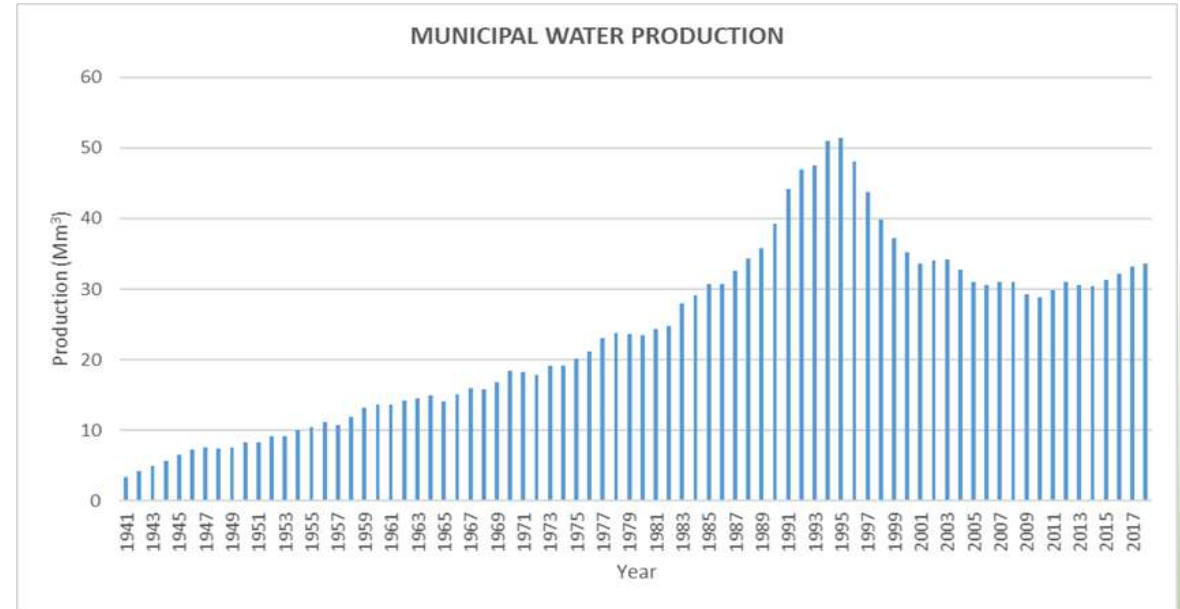
Broader understanding of resilience – diversification of energy supplies.



Solutions – Demand Management

(i) Leakage Management Programme
Reduction of around 40% in municipal water demand over a 15-year period in spite of an increasing population and rising standard of living.

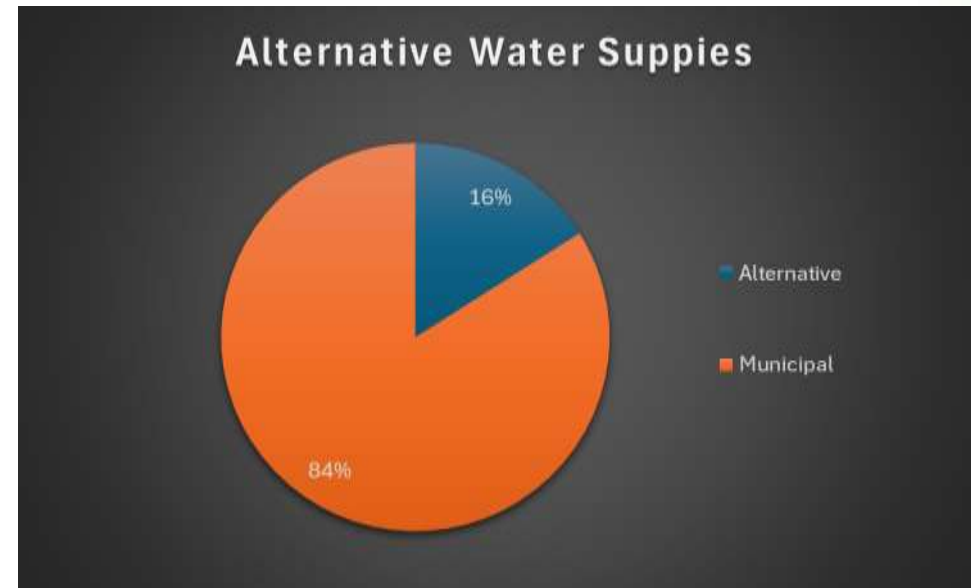
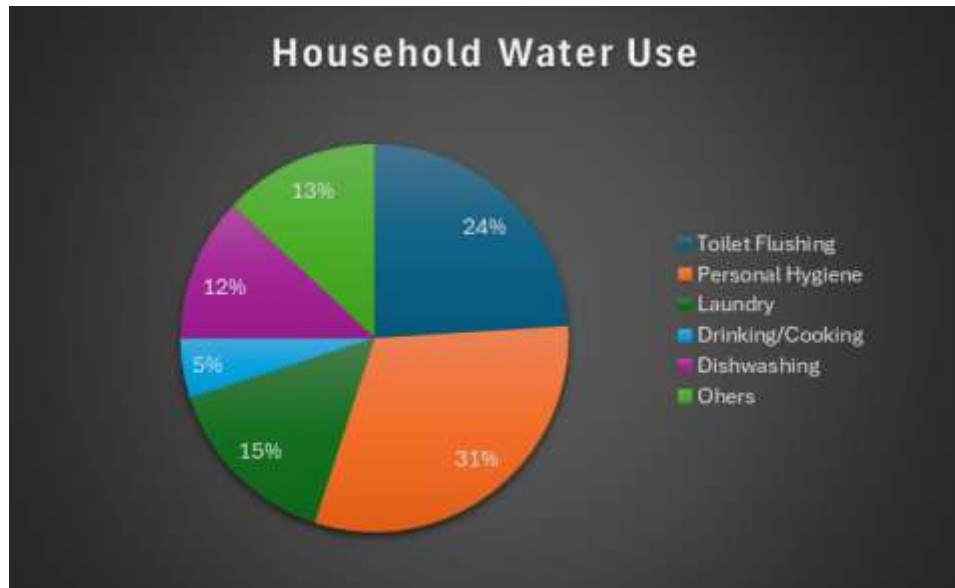
(ii) Economic Instruments
Rising block tariff mechanism and high level of consumer engagement retain per capita water demand at around 110 litres/person/day.



Solutions – Decentralised NCWR

Alternative water supplies present the potential of sustaining around 16% of the national water demand, reducing pressures on the water supply-base.

Presents an effective way of optimizing water-use efficiency – reducing water-inputs to the municipal sector.



Thank you for your attention!

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