



Examples of Technical Solutions Agenda from GWP-Med

GWP-Med has a 16-year track record in designing, managing, and implementing water management, efficiency, and replenishment projects. These projects have clear metrics of quantifiable benefits. Some of the results achieved so far through this TS Agenda in the region include the following:

- More than 9 million USD funding
- More than 2.3 million m³/per year replenished
- More than 120 technical interventions implemented
- More than 38,000 students, more than 5,000 teachers and over 300 technicians trained
- 44 local communities participating
- 6 countries (Greece, Malta, Cyprus, Italy, Jordan, Palestine)

GWP-Med projects consist of several lines of action, including technical interventions, stakeholder engagement and capacity development, public awareness campaigns and communications, school education, etc. Technical interventions are implemented in public spaces and in collaboration with local authorities such as local municipalities and municipal water management authorities, which are often the direct beneficiaries of the interventions. These interventions may include Nature-based Solutions and may be combined with energy, agricultural, and environmental efficiency considerations in a Nexus approach to facilitate integrated and efficient management of natural resources.

Examples of such projects are presented in the report "[Non-Conventional Water Resources Programme in the Mediterranean – 10 Years of Impact \(2008 – 2018\)](#)", funded by the Coca-Cola Foundation and The Coca-Cola Company, and in collaboration with national and local authorities in Greece, Italy, Cyprus and Malta. Recent and ongoing projects include interventions in Greek Islands and mainland supported by The Coca-Cola Foundation, in Greek islands supported by Reckitt Benckiser's initiative "Water is in our Hands", in Malta and Cyprus supported by The Coca-Cola Foundation, in Tunisia supported by the MAVA Foundation, Nature-based Solutions (NbS) on Water-Energy-Food-Ecosystems (WEFE) Nexus applications in Jordan and Palestine (Matchmaker II) supported by the Swedish International Development Cooperation and the Union for the Mediterranean, etc.

Videos with examples of such interventions can be found in the following links:

- [Zero Drop – Folegandros island, Greece](#) (on enabling the tourism sector, in collaboration with Coca-Cola)
- [Water for the City, Alexandroupoli, Greece](#) (on contributing to urban water supply, in collaboration with Coca-Cola)
- [Water is in Our Hands, Psara Island, Greece](#) (on contributing to urban water efficiency, in collaboration with Finish/Reckitt)
- [Smart Irrigation, Tunisia](#) (in collaboration with the MAVA Foundation)

Below are indicative pictures of several projects, such as drilling seawater boreholes in Folegandros Island to increase seawater supply, installing a high-efficiency pump in a seawater borehole, installing solar-powered vapour condensers on the island as a reminder of the technological advancements

towards the use of Non-Conventional Water Resources. Other pictures showcase the construction of a treated wastewater refill station for the municipal water tracks in Cyprus, installation of custom-made free-standing flood gates on a dam to increase its capacity to retain water in Greece, capacity building exercises in Malta, educational activities for school students in Folegandros Island, and construction of solar-powered constructed wetlands for tertiary wastewater treatment in Jordan and Palestine.



ZERO DROP Program, Greece (funded by The Coca-Cola Foundation)

Picture 1 (left). Drilling seawater boreholes in Folegandros island to increase the seawater supply towards the existing seawater desalination units.

Picture 2 (right). Installation of a high efficiency pump to in one of the seawater boreholes.



ZERO DROP Program, Greece (funded by The Coca-Cola Foundation)

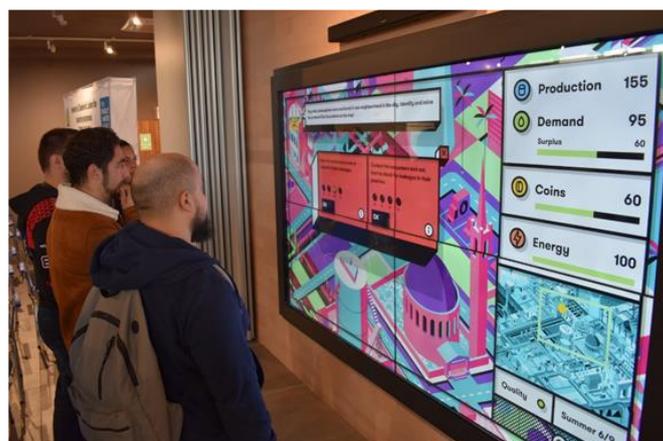
Picture 3. Installation of solar powered vapour condensers in Folegandros Island (pilot scale, to serve as a reminder of the technological advancements towards the use of Non-Conventional Water Resources).



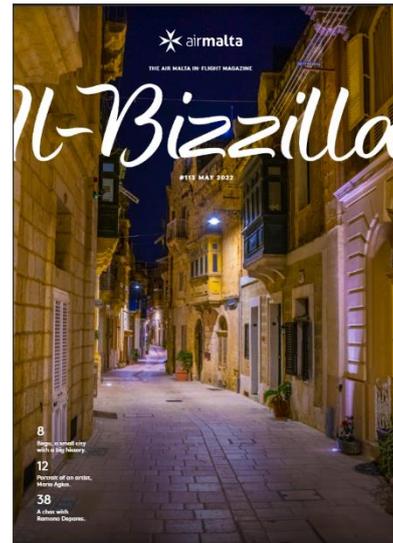
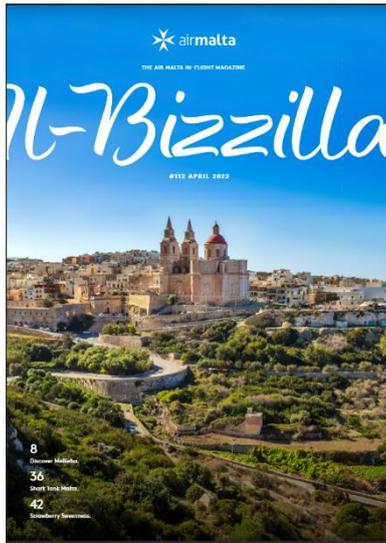
MISSION WATER CYPRUS Program, Cyprus (funded by The Coca-Cola Foundation) – in progress.
 Picture 4. The construction of a treated wastewater refill station for the municipal water tracks to use treated wastewater for irrigation of parks instead of groundwater.



WATER FOR THE CITY Program, Greece (funded by The Coca-Cola Foundation)
 Picture 5. Installation of custom-made free-standing gates (flood gates) on a dam to increase its capacity to retain water, without increasing its environmental footprint.



The ALTER AQUA Program, Malta (funded by The Coca-Cola Foundation)
 Picture 6. Capacity development exercises. Young professionals taking up the role of Water Utility Operator, via a video game in Ghajn National Water Conservation Awareness Centre.



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REVIVING THE WATER TREASURES UNDERGROUND

MALTA'S UNIQUE SUN-DRENCHED LANDSCAPE HAS ALWAYS FACED THE GREAT CHALLENGE OF FRESHWATER AVAILABILITY. TODAY, THROUGH A PROJECT OF RESTORATION OF RAINWATER HARVESTING RESERVOIRS, MALTA'S CITIES ARE TURNING THIS CHALLENGE INTO AN OPPORTUNITY TO ENHANCE CLIMATE RESILIENCE, WHILE ALSO RESTORING THE ISLAND'S RICH HISTORICAL HERITAGE.

RESILIENCE THROUGH THE CITIES
 A project to revive the water reserves of Ghazija, a town built in the 15th century which can hold up to 800,000 litres of water harvested from rain, is a case of reusing underground reservoirs. In various stages and sizes, up and down all the historical areas of Malta, the lakes and lagoons, they are converted to public spaces and parks, buildings, a testament to the challenge the British Empire has had in building modern reservoirs. What faced by its numerous enemies in a time of siege, the availability of water conditions the difference between survival or extinction for the leaders of the city.

However today, many of these cities, part of Malta's cultural heritage and emblematic spaces of large quantities of reservoirs, lie dormant and in need of repair. Even so, given that these locations are important places for work, taking back what might seem to be their childhood, the energy point underground, which may have been used only by subsequent generations.

REVIVING THE PAST, PREPARING FOR THE FUTURE
 In a new press, a public-private partnership initiative, the Alter Aqua project, funded by the Coca-Cola Foundation, is bringing Malta's reservoirs to full water conservation status. Alter Aqua has identified 100 water reserves and has built them from the sea, which means to collect water and increase climate change resilience for Malta's population.

Read more: <https://ilbizzilla.com/>

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The ALTER AQUA Program, Malta (funded by The Coca-Cola Foundation)

Picture 7. Publication of material in Il Bizzilla (April and May 2022). The Air Malta in-flight magazine, with more than 2 million readers per year.



ZERO DROP Program, Greece (funded by The Coca-Cola Foundation)

Picture 8. Educational activities for school students in Folegandros island. Young people are the future!



The MATCHMAKER II Project, Jordan & Palestine (funded by SIDA / UfM) – in progress.
Picture 9 and 10. Construction of solar powered constructed wetlands for the tertiary treatment of wastewater coming from Wastewater Treatment Plants of secondary treatment, to support the irrigation in the context of the WEFE Nexus.



Water is in our Hands Initiative, Greece (funded by Reckitt Benckiser) – Three years and counting.
Picture 11. Distribution of water saving appliances in various Greek islands.
Picture 12. Demonstration and explanation of water saving appliances.



Water is in our Hands Initiative, Greece (funded by Reckitt Benckiser) – Three years and counting.
Picture 13. Engagement of a famous chef to promote the initiative.
Picture 14. Engagement of young people to change water culture.