



Geoffrey Saliba
Project Manager

- Introducing the project



The project's objective:

To empower businesses and hotels to sustainably reduce their water consumption.

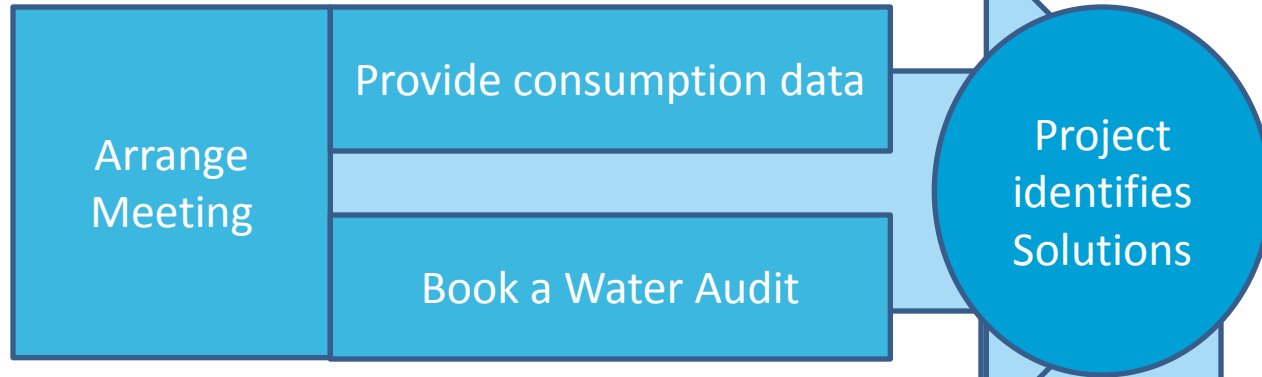
Benefits to saving water:

Environmental – less pressure on scarce natural water resources

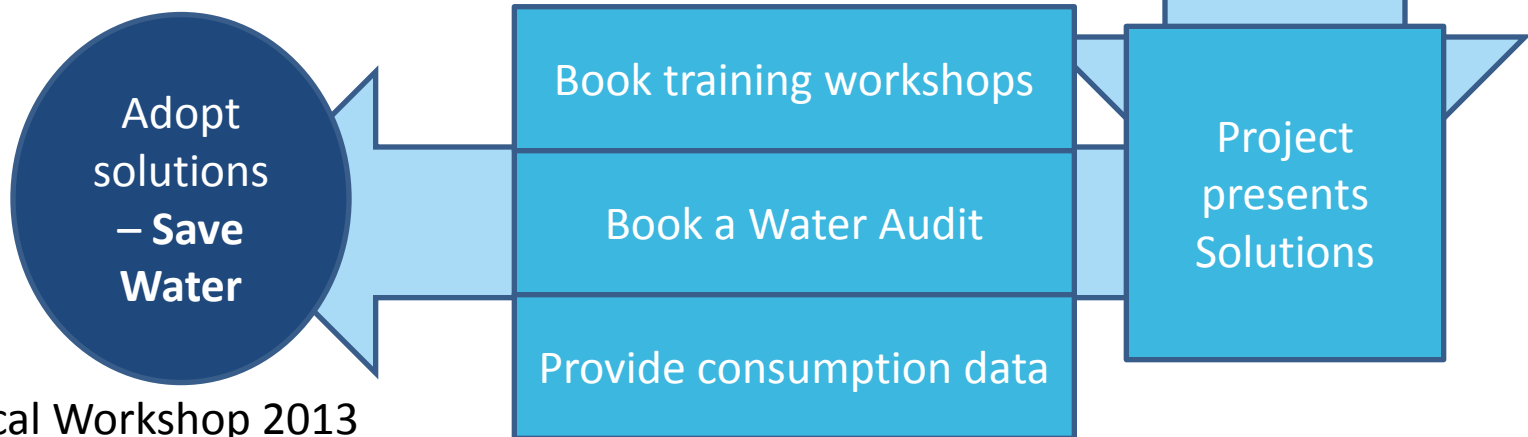
Financial – water savings translate into reduced running costs

Empowering Enterprises – the process:

Feb & Mar 2012



Nov 2012 to Nov 2013



Technical Workshop 2013

Project tools



Water Audits

www.investinginwater.org

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Self-Assessment - Solutions

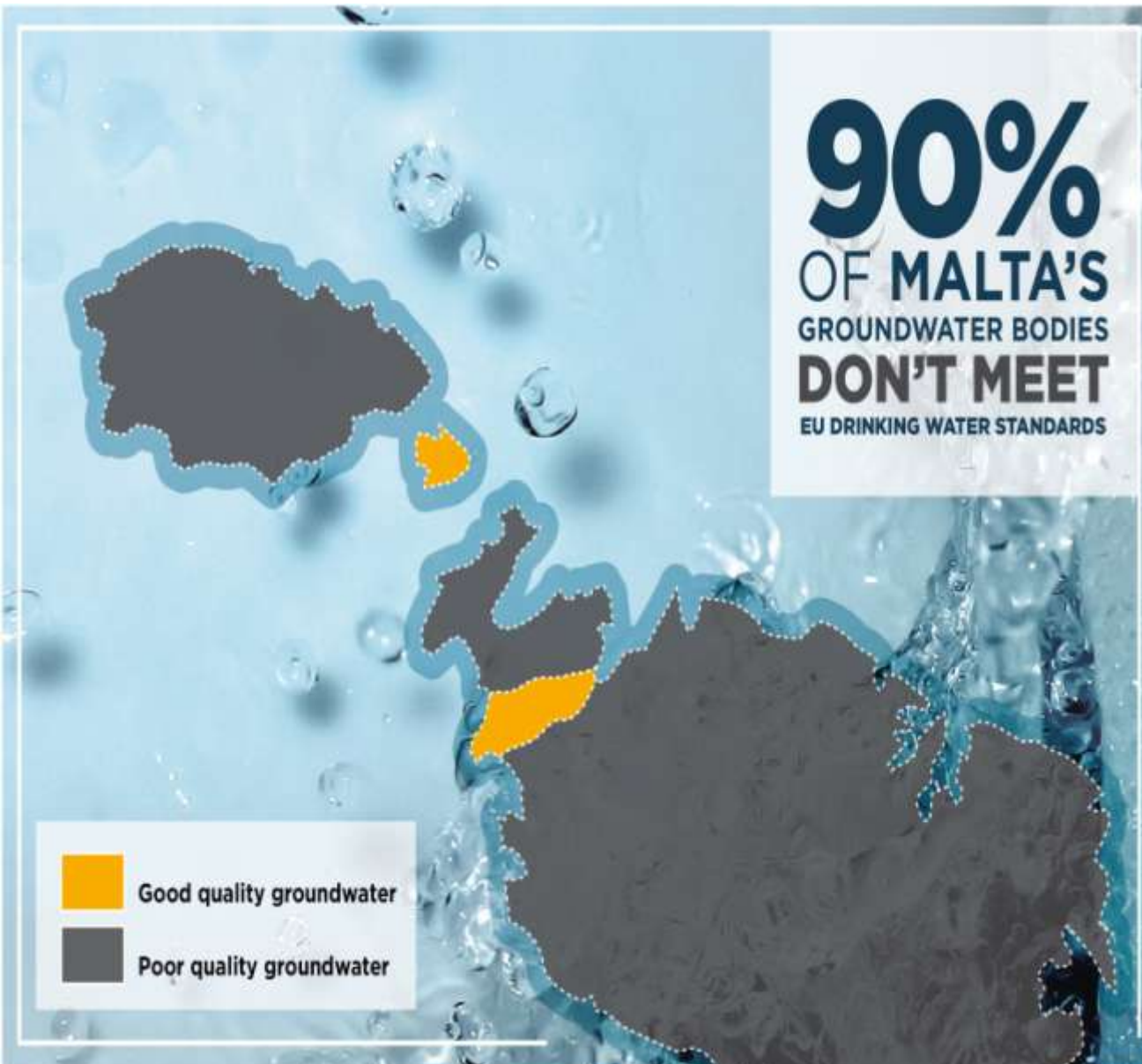
<p>Showers</p>	<p>Savings in Price: 1000 €</p> <p>Savings in Volume: 433 m³</p>	<p>There are three possible interventions to reduce excessive flow rates - adopting water saving shower heads, using restrictors or aerators, and if your system includes a pressure regulator on each feed-in pipe, adjusting this to the desired pressure.</p> <p>Read More</p>
<p>Toilets</p>	<p>Savings in Price: 2213 €</p> <p>Savings in Volume: 825 m³</p>	<p>It is quite easy to reduce the flushing volume as there are several solutions available on the market. You could try reducing the ball-valve setting, using displacement devices such as water saving bags, purchasing half dual flushing toilets at your next visit, or even having toilet which flush for less over long a period keeps a button depressed for. You should also check your bowl for internal leaks on a regular basis - these can waste tons of water a year if undetected.</p> <p>Read More</p>
<p>Wash-Basin</p>	<p>Savings in Price: 1220 €</p> <p>Savings in Volume: 408 m³</p>	<p>There are three possible interventions to reduce excessive flow rates - adopting water saving shower heads, using restrictors or aerators, and if your system includes a pressure regulator on each feed-in pipe, adjusting this to the desired pressure.</p> <p>Read More</p>

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Why water?

Groundwater status

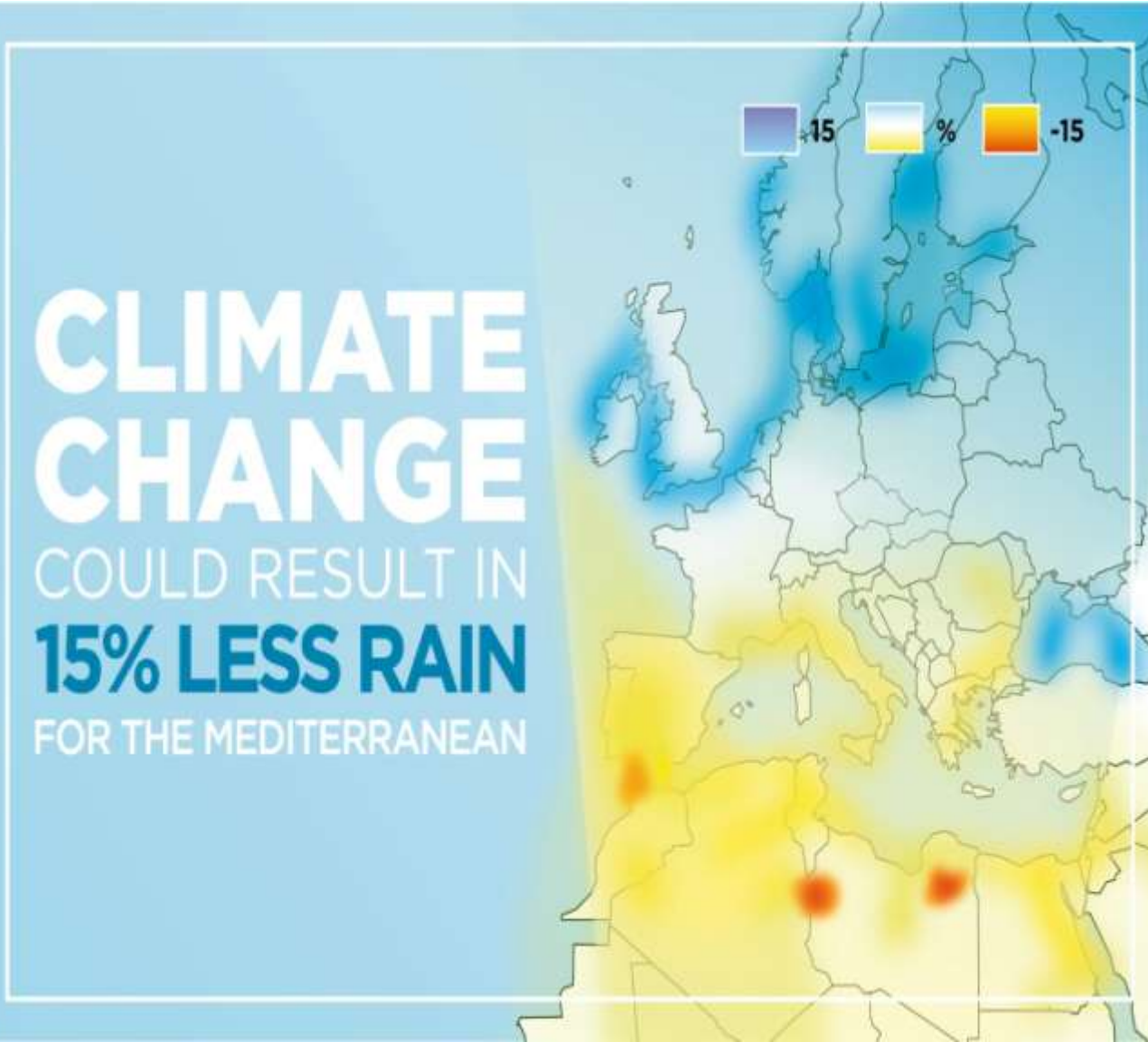


Threats:

- 1) Over extraction – estimated at 50% more than is sustainable
- 2) Nitrate pollution – excessive nitrates are present in 11 of Malta's 15 aquifers

Why water?

Climate Change



Threats:

- 1) Worst case scenario – rainfall decreases by as much as ten times the water consumed by local hotels and industry
- 2) Less aquifer recharge – as rainfall decreases aquifer recharge will too, resulting in even less groundwater sustainably available for extraction

Why water?

The Water Framework Directive



The Directive obliges member states:

1) Ensure their groundwater is in good status by 2015

Status – very difficult for Malta to reach

2) Apply a resource and environmental cost to water by 2010

Status – Malta has not yet implemented an additional resource and environmental cost

Why water?

Reverse Osmosis



RO might seem like the solution to water scarcity BUT

5% of Malta's electricity goes towards RO.

It is important that this energy intensive water is not consumed wastefully.



To conclude:

The project aims to help businesses and hotels reduce their consumption by at least 10%.

You are invited to benefit from the project's services:

- * Water Audits
- * Training workshops for technical and general staff
- * Online self-analysis tool and list of water saving solutions at www.investinginwater.org
- * Complimentary copies of the Water Saving Solutions Pack 2013

Malta Business Bureau

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Thank you



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