Initial Results of the Gozo Pilot Project

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Distribution of Water Saving Kits was undertaken during February/March 2013

Initial data on water consumption now available

Comparative analysis of water consumption data in Fontana for April 2012 and April 2013.











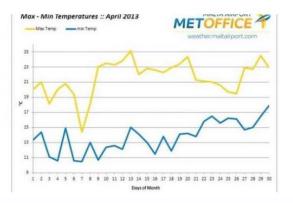


Background Conditions

Favour an increased consumption of water



Last Updated 01 | 05 | 2013 at 11:08



Warmest April in the last 90 years

Article By: di-ve.com news editorial@di-ve.com



April 2013: Warmest April in the last 90 years







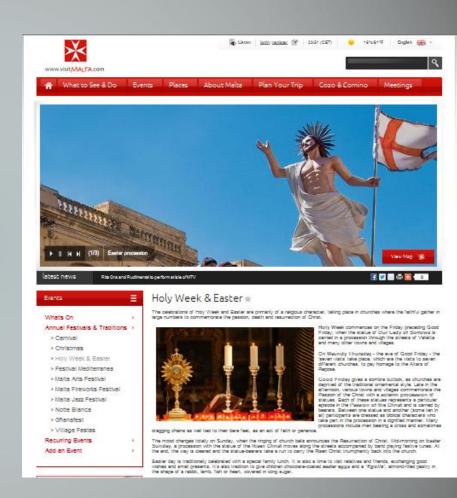




Easter 2012 – Sunday 8th April Easter 2013 – Sunday, 31st March

Potential impacts:

- (i) Increased tourism (domestic) in 2012 as compared to 2013 decreased consumption
- (ii) Increased departures in 2012 as compared to 2013 increased consumption













Fontana

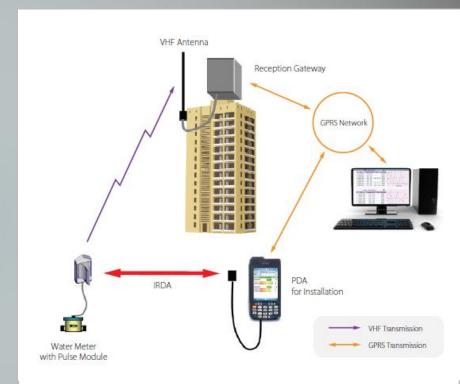
WSC – 578 active meters

478 fitted with an RF module

470 meters are correctly associated and reachable

91 meters did not have readings for April'12 and April'13

Analysis undertaken on 379 meters



WSC - AMM Fixed Network Infrastructure











Based on 379 meter readings:

Total Consumption in April 2012 1,666,456 litres

Total Consumption in April 2013 1,540,022 litres

A reduction of 126,434 litres or 7.6% of water consumption













Further data analysis:

- (i) 60 meters have zero consumption in both April'12 and April'13 premises not in use
- (ii) 14 meters have a flow in April'13 but zero flow in April'12 premises which started to be inhabited after April'12
- (iii) 20 meters had a consumption in April'12 but zero consumption in April'13 premises uninhabited during April'13

These meters have to be excluded from the analysis











Analysis can be undertaken on 285 meters,

Total consumption in April'12: 1,621,265 litres

Total consumption in April'13: 1,518,472 litres

Reduction of 6.3% or 102,793 litres

120 accounts registered an increased consumption, 163 accounts registered a decreased consumption.

Accounts registering a decreased water consumption saved a total of 232,069 litres











Horizontal Considerations:

Wide range in water consumption:

Highest consumer: 23,087ltr in 1 month

Lower consumer: 1ltr in 1 month

Consumption still needs to be verified against the number of persons registered as using the 'water account'.

Consumption Range (Ltr)	Accounts	Water Consumed (Ltr)
0-999	59	18,382
1000-4999	103	297,243
5000-9999	74	533,767
10000-	49	669,080









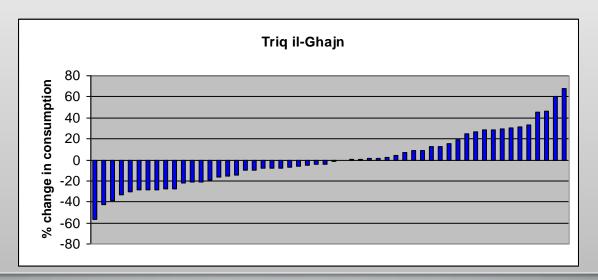


Triq il-Ghajn

167 accounts – 54 readings of which: 25 show an increased consumption and 29 show a decreased consumption

Global reduction of 13,794 litres over one month

Accounts with reduced consumption have saved a total of 35,192 litres











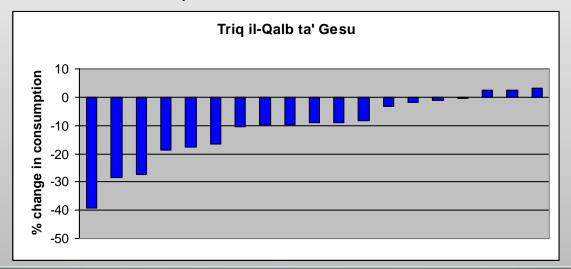


Triq il-Qalb ta' Gesu

41 accounts – 19 readings of which: 3 show an increased consumption and 16 show a decreased consumption

Global reduction of 11,529 litres over one month

Accounts with reduced consumption have saved a total of 11,892 litres











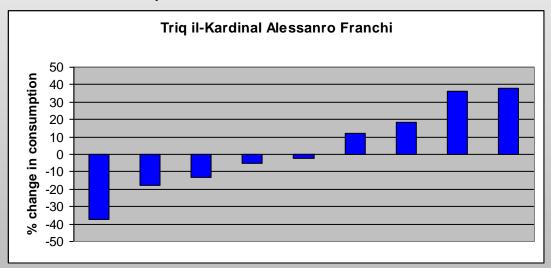


Triq il-Kardinal Alessandro Franchi

13 accounts – 9 readings of which: 4 show an increased consumption and 5 show a decreased consumption

Global reduction of 2,434 litres over one month

Accounts with reduced consumption have saved a total of 8,893 litres











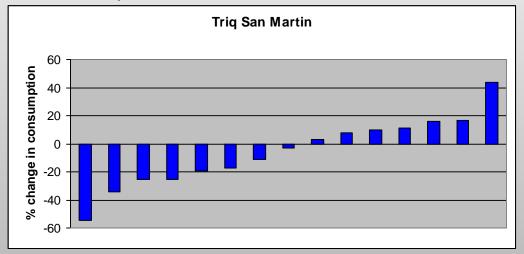


Triq San Martin

26 accounts – 15 readings of which: 7 show an increased consumption and 8 show a decreased consumption

Global reduction of 7,468 litres over one month

Accounts with reduced consumption have saved a total of 14,079 litres











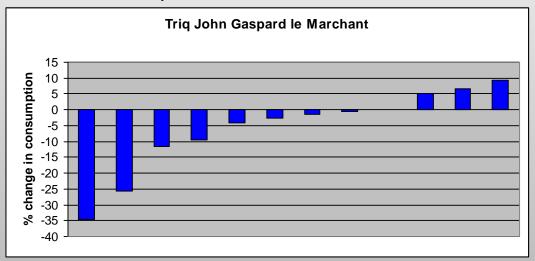


Triq John Gaspard le Marchant

18 accounts – 12 readings of which: 4 show an increased consumption and 8 show a decreased consumption

Global reduction of 7,122 litres over one month

Accounts with reduced consumption have saved a total of 8,618 litres













There are many factors which can contribute to a change in the water consumed by a household from year to year.

- change in number of occupants
- changes in appliances

Very difficult to verify if the decreased consumption is solely attributable to the

'water saving kits'.

A more detailed analysis focusing on specific cases is required.













Way Forward

- 1. Detailed analysis of the consumption data of a selected representative sample of consumers
- 2. Survey of consumers to assess uptake of 'water saving kits' and changes to the household which occurred during the last 12 month period
- 3. Analysis of data from other localities where other kit typologies were distributed.











Thank you for your attention









