

Sustainable Domestic water use in the Mediterranean Regions

SWMED pilot areas in Tunisia:
places, target groups and stakeholders involved

CERTE/PWA

Status of WP 6.4 - Equipment of laboratories in TDCs in MED

3rd Project Meeting – Malta
Steering Committee 2 June 2013

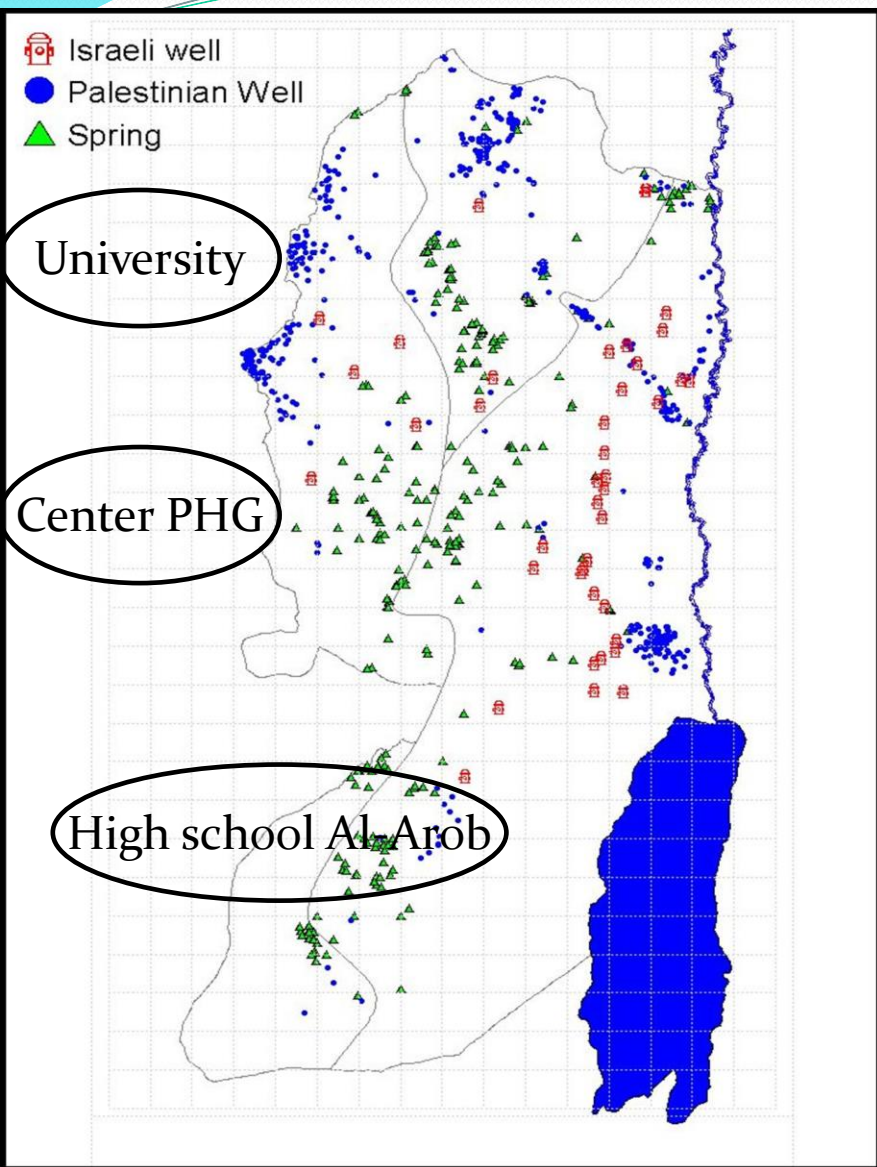


**ENPI
CBCMED**
CROSS-BORDER COOPERATION
IN THE MEDITERRANEAN



SWMED PROJECT – CONTRACT N° 10/2177

Case In Paletine:Target areas, West Bank



PWA

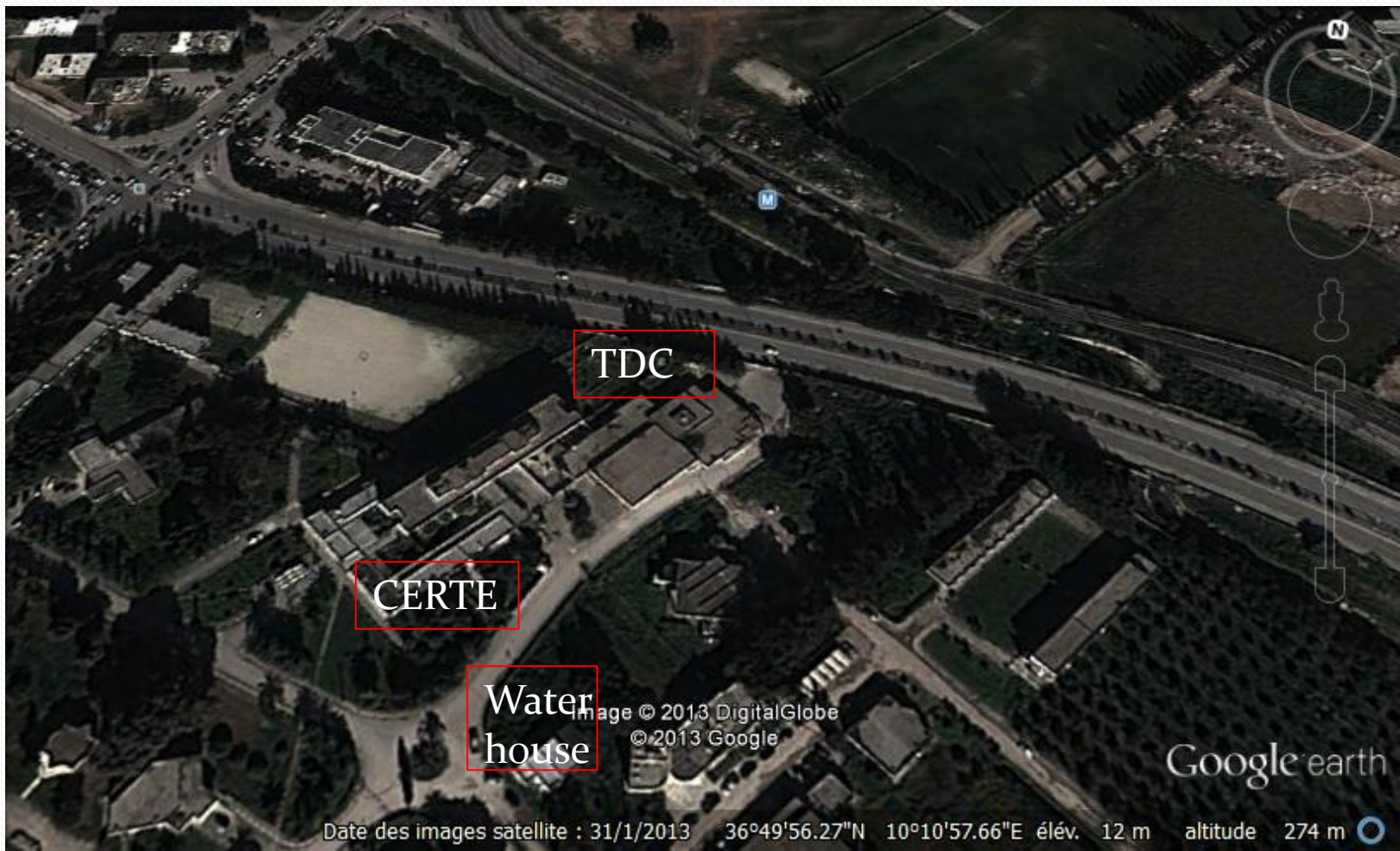
Palestinian Water Authority (PWA) will establish the laboratory in places we can achieve the following criteria:

1. Sustainability for the instruments
2. Work monitoring program dealing with waste-water or health /// parallel to Palestinian Water Authority, to enrich the PWA data bank with the measured parameters and to work parallel with the master students working as researcher in PWA
3. Educational purposes in colleges or universities deal with waste-water treatment or in health relation.
4. We will take the regional and utilities in consideration.
5. Capability of merging the laboratory with the laboratory in the municipalities or governors in West Bank.
6. Research investigation and focal point in the universities.

WP6

- Task 6.4 Creation in MED countries of a SWM house

*SWM
house*



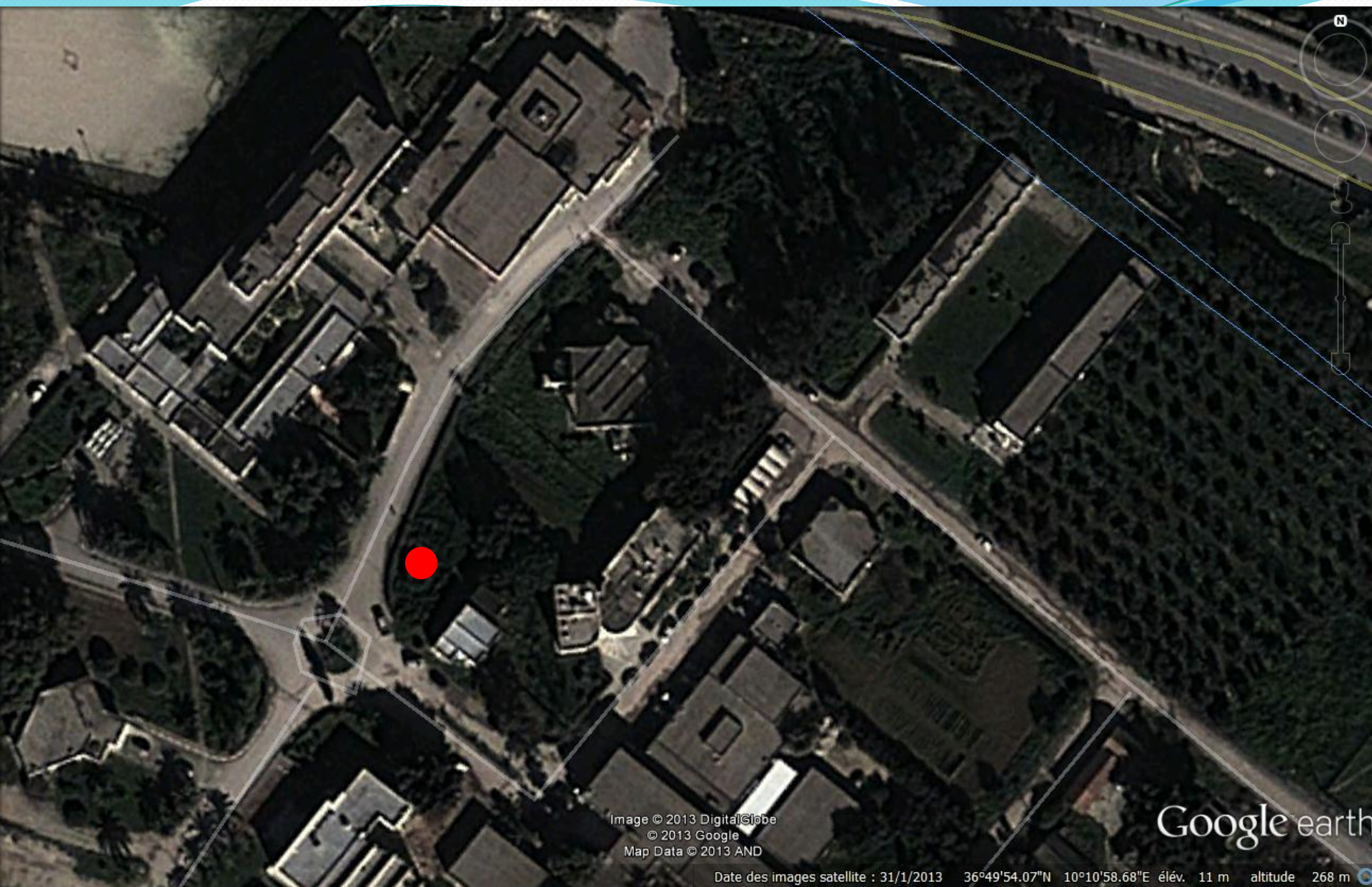
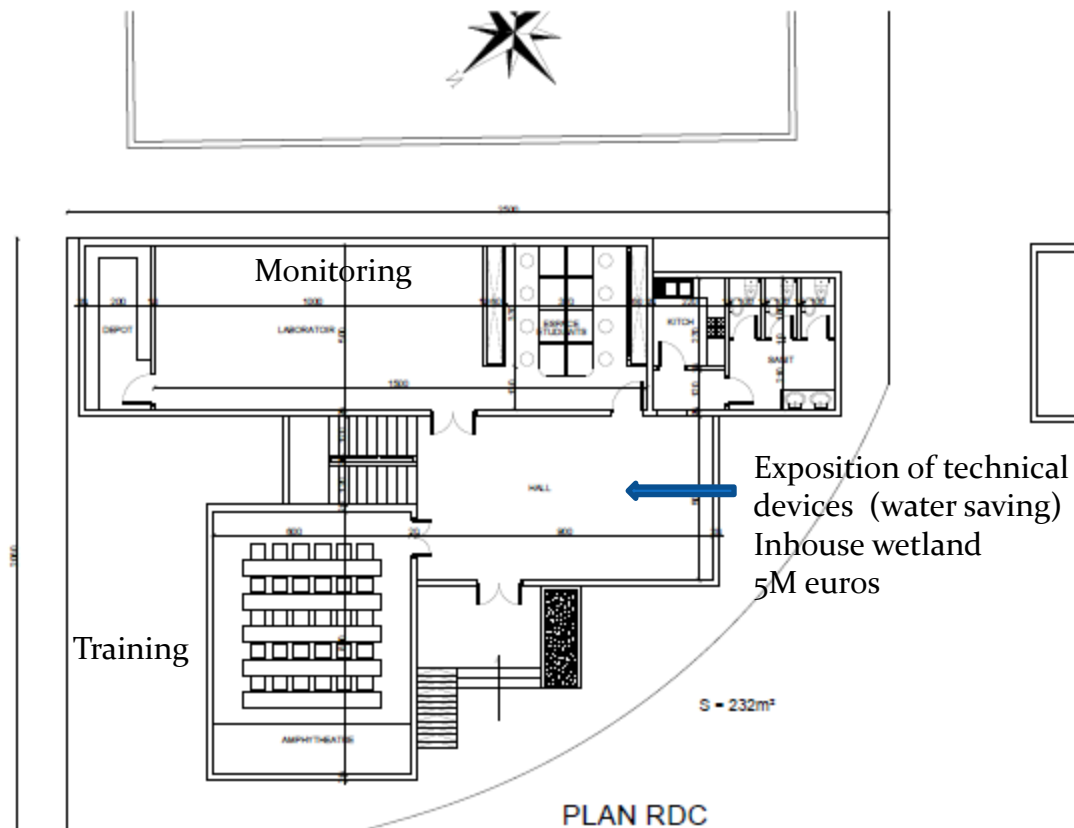


Image © 2013 DigitalGlobe
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Map Data © 2013 AND

Date des images satellite : 31/1/2013 36°49'54.07"N 10°10'58.68"E élév. 11 m altitude 268 m

PROJECT SWMED BI/2.1/548 – ENPI CBC Med
PROGRAMME

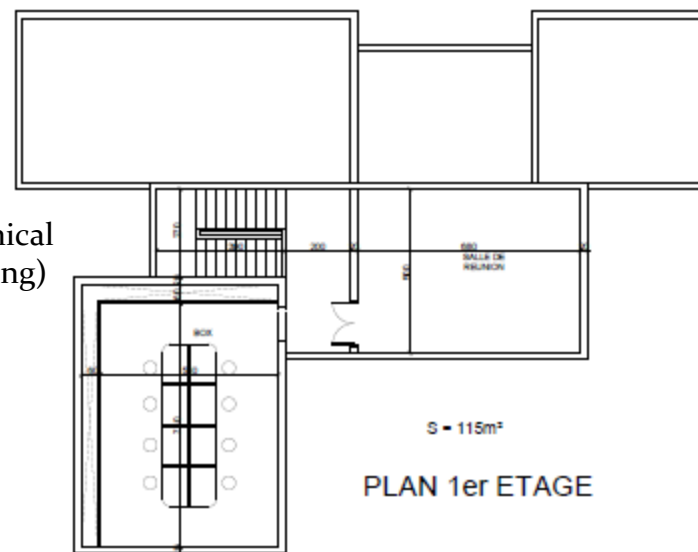
First Plan



Budget/cost
30/60 Euros

PROJECT SWMED BI/2.1/548 – ENPI CBC Med
PROGRAMME

Prefabricated House



Estimation

Budget/cost
30/122 MEuros

Furniture: 21 MEuros

T6.4

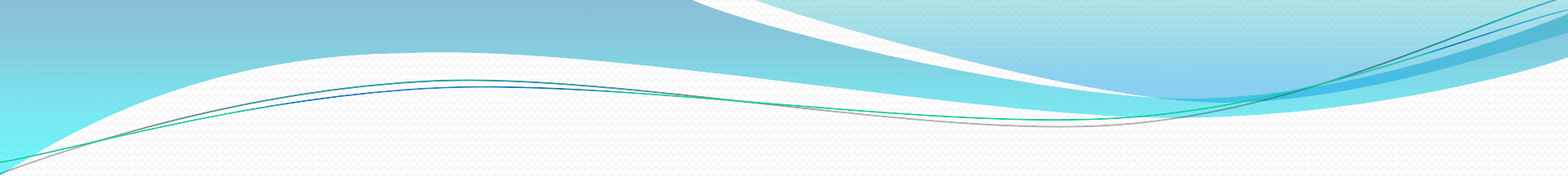
- TDC (CERTE) will be used as laboratory for monitoring the water quality (raw and treated)
- Done for TDC raw grey, black wastewaters and rainwater, CW: will continue for treated WW.
- Done for Chorfech school: rainwater, blackwater, CW,
- Chorfech CW: planned

T6.4

- Equipments
SWM house

Identification	Cost
autolaveur	5000
autoclave paillasse	4000
Demineralisateur+pretraitement	7000
Etuve (ventillée)	2000
Balance précision	2000
bain marie (chaud, froid)	3500
centrifugeuse	4000
congelateur	1000
DBO (12postes avec anceinte refrigerée)	4000
DCO(12 postes)	3400
appareil dosage, titreur	4000
filtration MES	4000
Hotte laminaire	4000
oxymetre (mobile)	2000
pHmetre (mobile)	1500
conductimeter (mobile)	1000
turbidimetre (mobile)	3000
agitateurs	2000
ultrason	1000
NKT	5000
Refrigerateur	1000
spectrophotometre UV-vis	15000
photometre (Na, K, Ba, Ca, Li)	5000
Analyse electrochimique (potentiostat)	10000
COT	35000

50000	Apparatus 4.3.6 Apparatus for Chemical
51500	
35000	4.3.7 Equipments for online TDC sampling
20000	4.3.8 Equipments for TDC monitoring and
25000	



Thank you