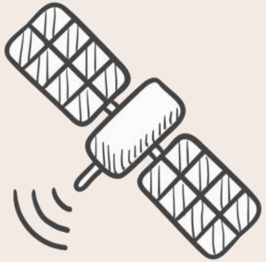
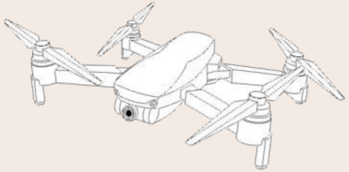
SATELLITE DATA
OR
DRONE ORTHOPHOTOS

why not both?

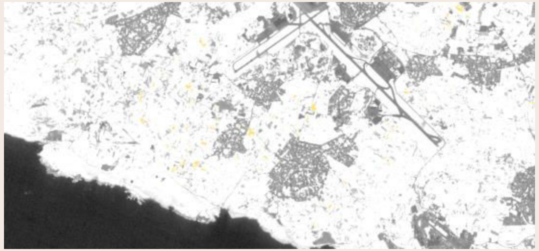


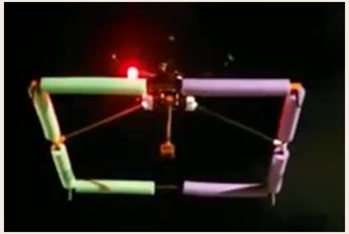
Steve Zerafa – MCAST EEEI



Intro: 8 Years using Satellite tools:

Multiple Projects using Copernicus Data
Funded by MCST MALTA



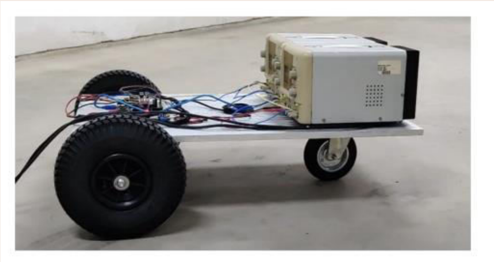


Crop Patterns & Land Use

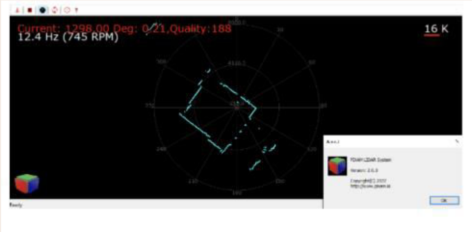
Sentinel 2
SPOT 6
Rapid eye

Datasets available from 2012

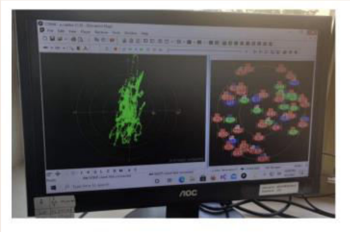
Multiple Projects using EGNOS technology



EGNOS – Chipset



SLAM



Centimetre - Precision

Satellite

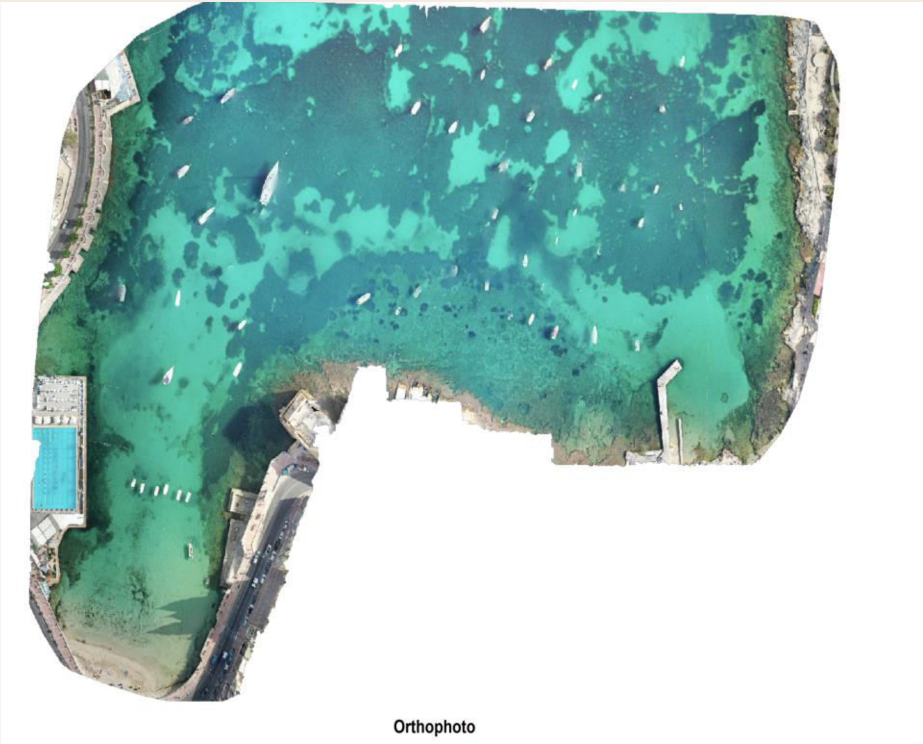
Best resolution 30cm - Neo

Expensive - Cannot Share contents

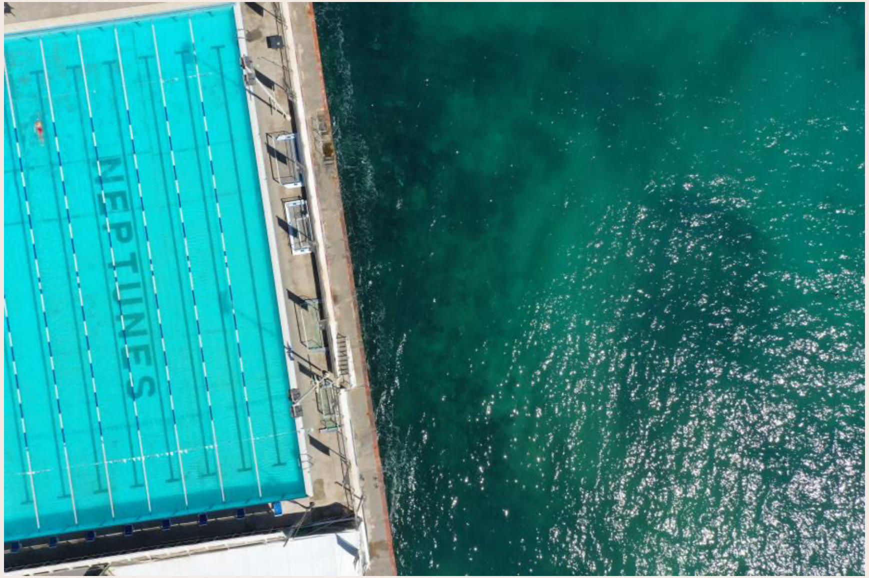
Sentinel 2 (best option)

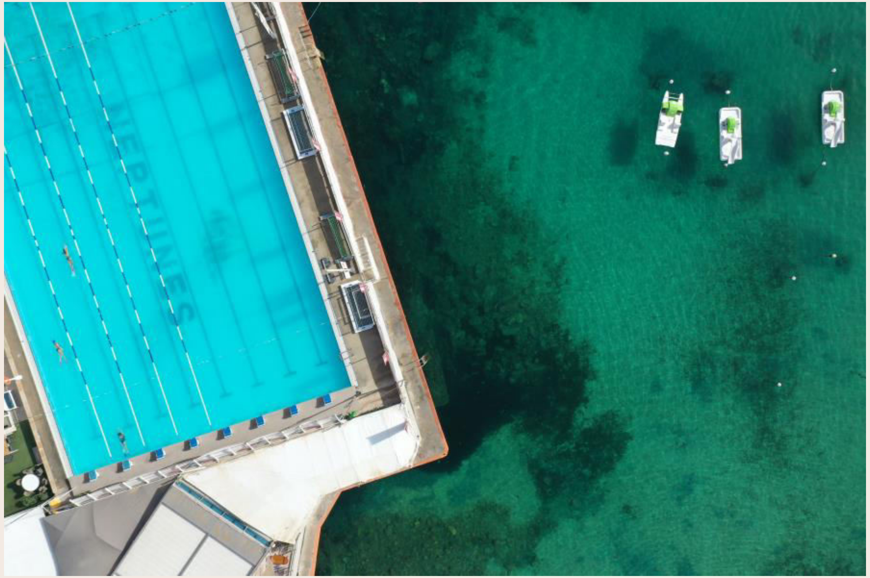
Free datasets
Very Reliable Data
Frequent Revisits –
compensate for resolution
IR data

Satellite vs drone

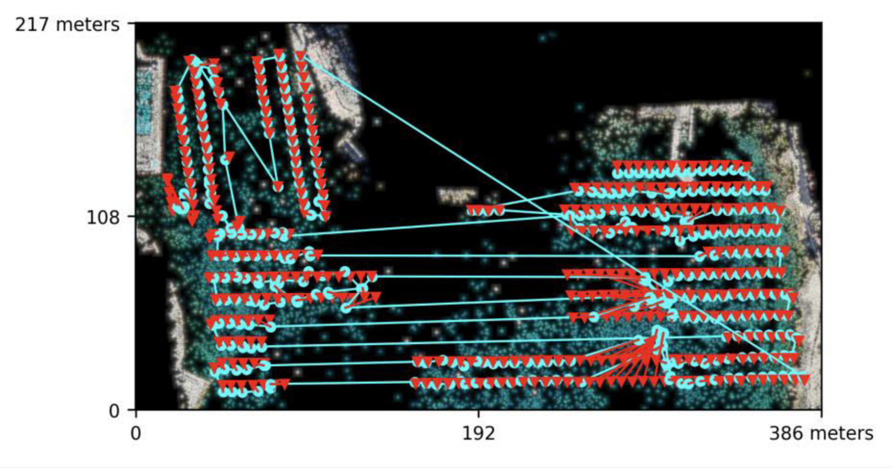


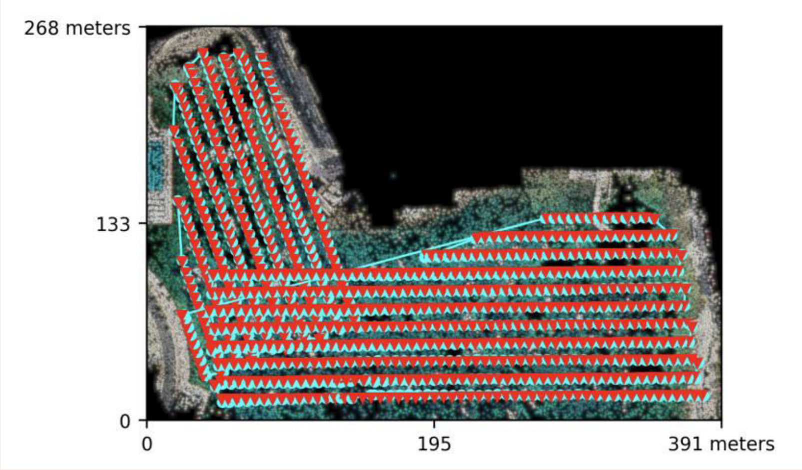
Drone Orthophotos





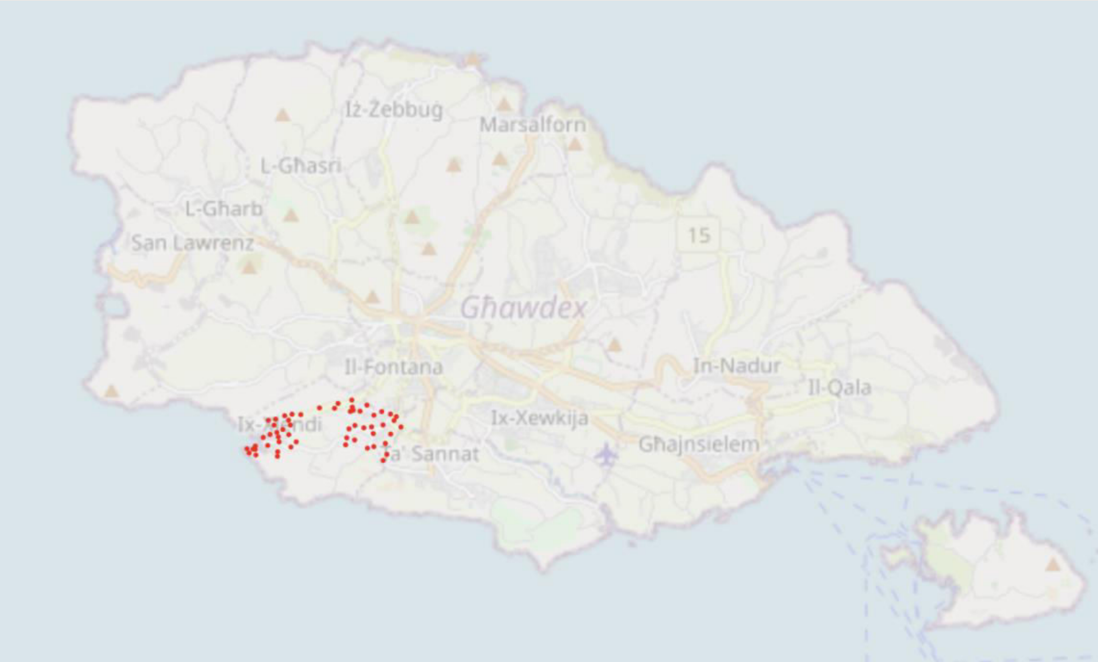
Different Days





And if this is not enough to deal with ……..

Groud Control Points



Munxar Gozo - 50 GC points
For an area of 1.33 km²

2nd Generation Land Use Mapping

Sentinel 2 + Drones + AI
Trends for Surface Area

Reduce the number of GCPs

It is a must to use both

Thanks!

Do you have any questions?

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