





SIntegraM: A Transformative Journey

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Workshop Contribution of Defence and Dual-Use Activities towards Regional Development through the use of the European Structural and Investment Funds (ESIF)

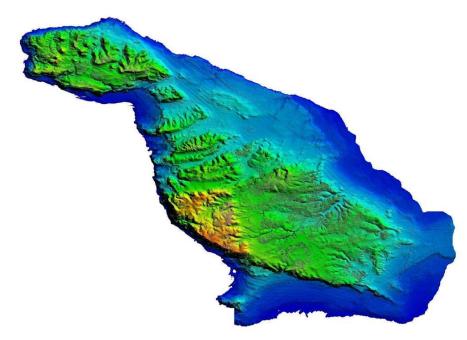
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ERDF Project



SIntegraM

Spatial Data Integration for the Maltese Islands: Developing Integrated National Spatial Information Capacity €7 million



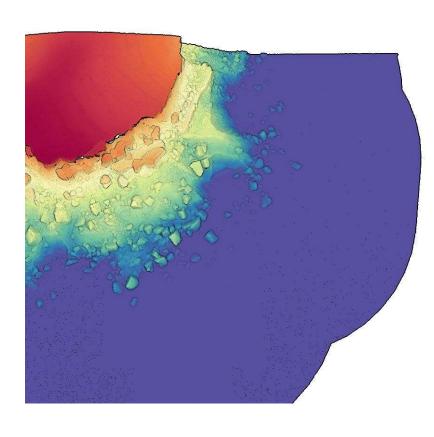
The Scope

Enhancement of spatial data, systems, infrastructure, exchange and training:

- identification of information gaps in the data cycle
- identification of data creation
- creation of new basemap
- integration of all data in a national system
- creation of data exchange security protocols
- building of infrastructure/technologies
- training of experts



The Outcomes



- (1) Strategy for National Spatial Data Integration
- (2) Basemap
- (3) Data acquisition of imagery, LiDAR, infra-red, etc.
- (4) Integrated Datasets and systems in a common formation and projection
- (5) Acquisition of Systems (servers, workstations, software)
- (6) Acquisition of Analytical Tool for real-time investigations (predictive tools, immersive environments)
- (7) Acquisition of Equipment for future preparedness (aerial, terrestrial and marine technologies)
- (8) Dissemination Tool/s
- (9) Stakeholder group
- (10) Training regime

Energy



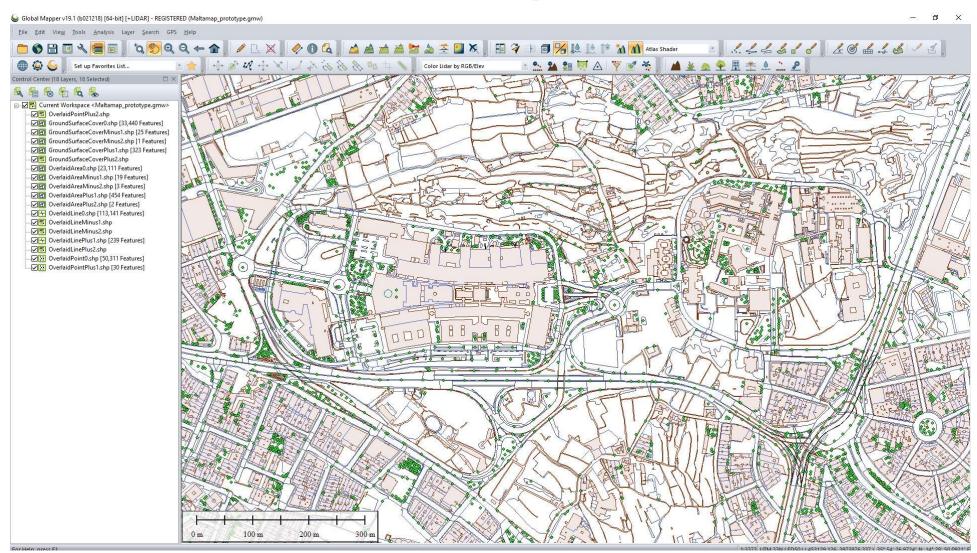
Contributions – Regional Development

Created a collaborative framework for all thematic entities that include:

- Brought together local and regional administrations through spatial data as used for decision-making processes
- Enhanced development planning, transport and utilities' baseline data thus informing spatial plan formulation
- Removed redundancies and duplication costs
- Enabled entities such as Land Registry and the cadastre
- Enabled social entities such as Housing Authority and NGOs
- Helped enforcement agencies to enact regulations
- Gave the public access to information and online tools
- Enabled the data-information-knowledge-action process

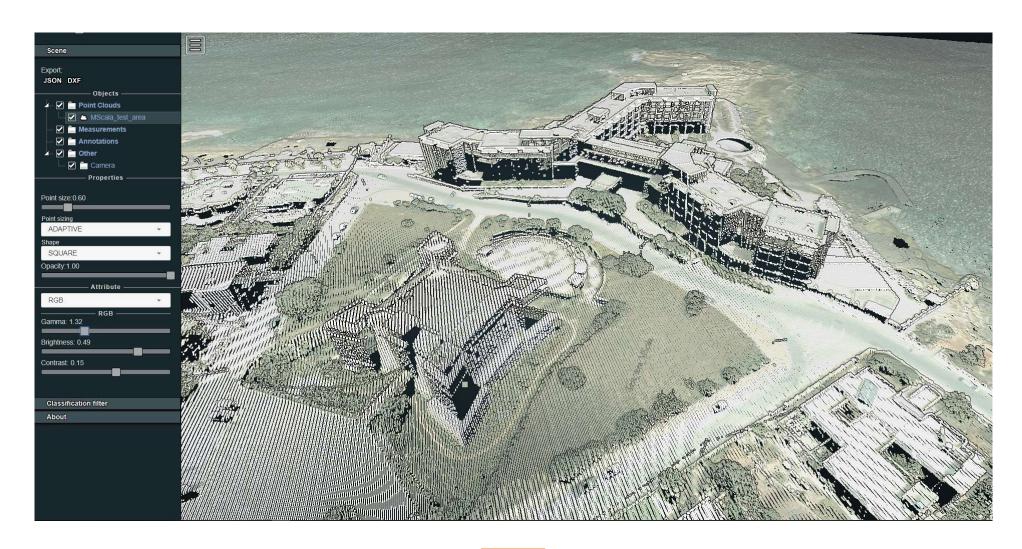


The Outcomes: Basemap



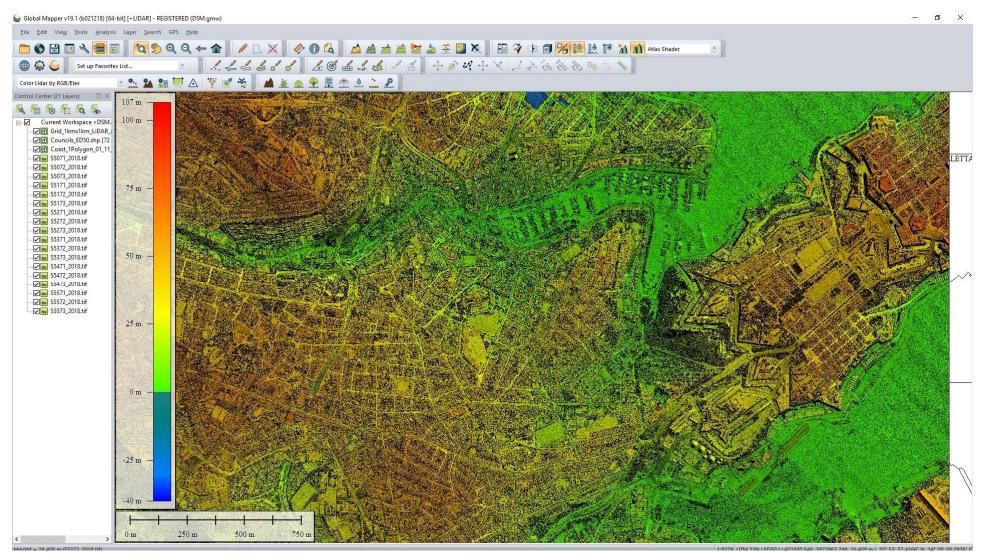


The Outcomes: LiDAR



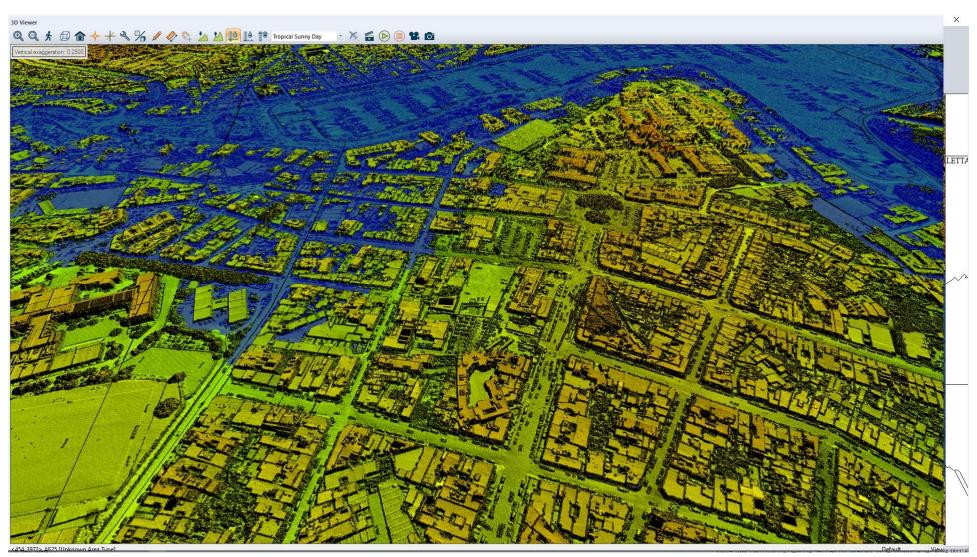


The Outcomes: DTM-DSM



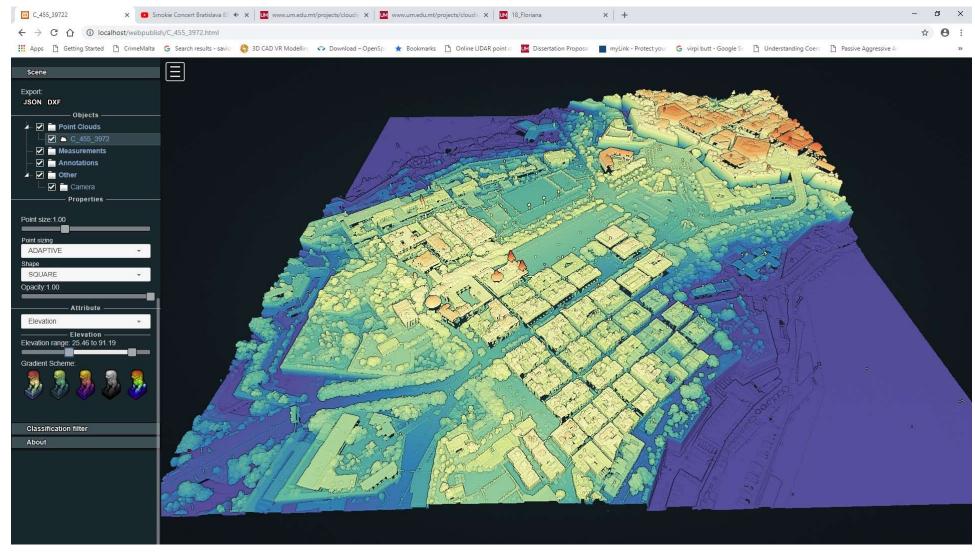


Results: SLR - Sea Level Rise





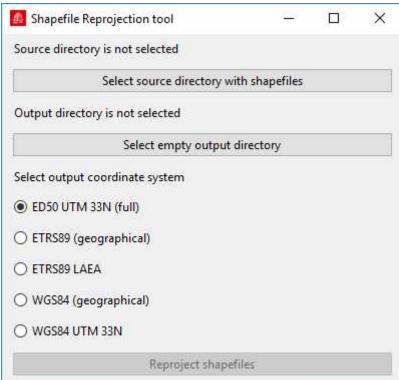
Results: Cloudisle.org





The Outcomes: Re-projection Tool





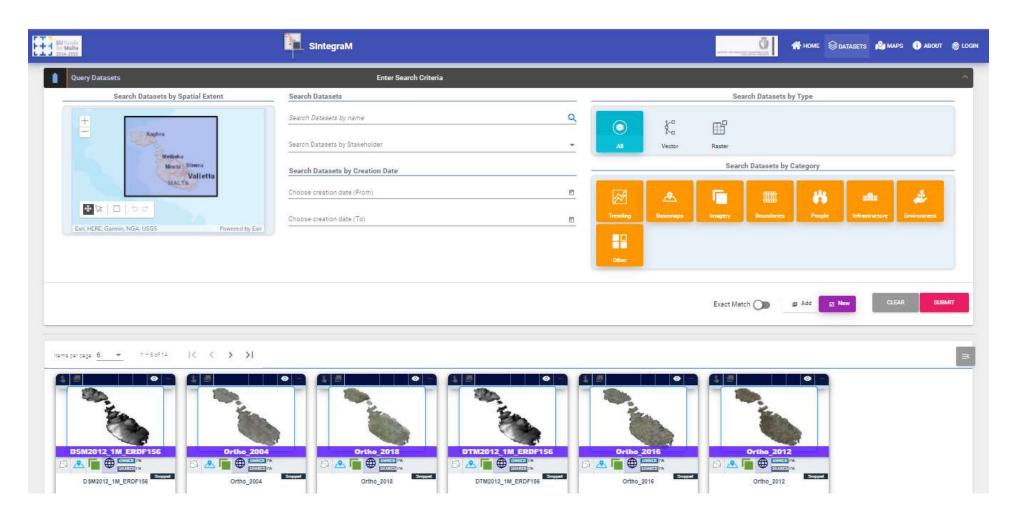
National Projection UTM WGS Zone 33N

EPSG: 32633

https://epsg.io/32633



The Outcomes: Dissemination portal





The Outcomes: Aerial





The Outcomes: Marine





The Outcomes: Terrestrial









Results: Erosion





Results: Heritage





The Outcomes: CAVE

Need for Enclosed Spaces technology

DVI

Courts

Heritage

Marine

ERA

Quarries

Erosion

Utilities

Noise

Transport

Artists





Thank You

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