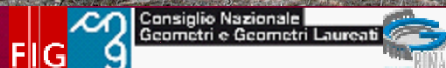
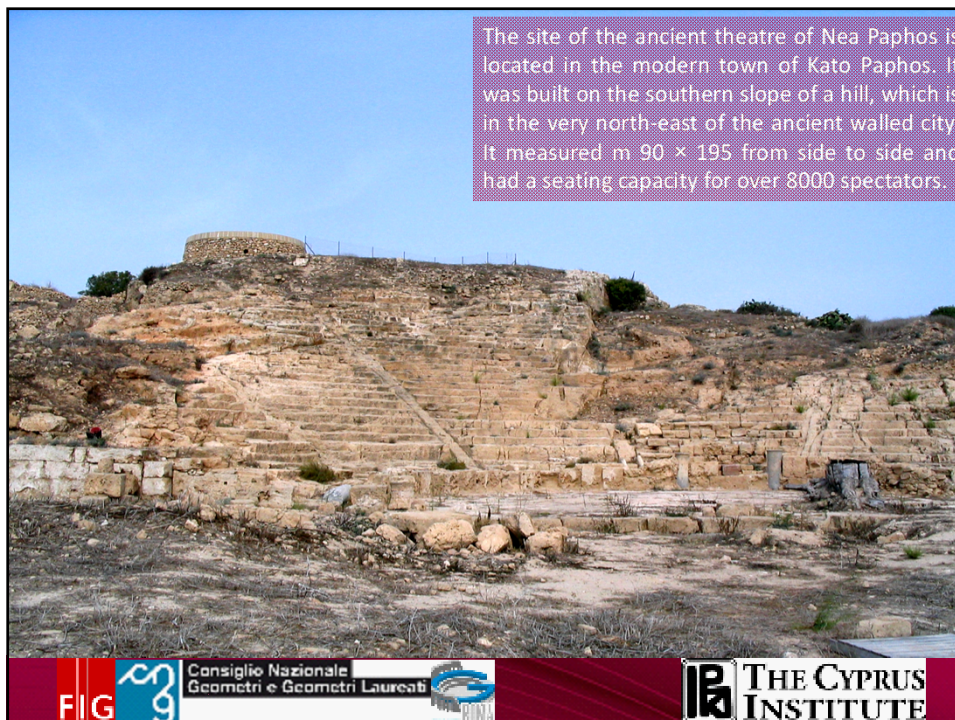


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## Integrating 3D data acquisition techniques for comprehensive study of the ancient Hellenistic-Roman Theatre of Paphos, Cyprus

Geom. Paola Ronzino



## Topographical and photogrammetric survey of Paphos Theatre

### Aim of the project:

Create a 3D model of the Hellenistic-Roman Theatre of Paphos

### Technologies adopted:

- Automatic photogrammetry (Fly Scan)
- Laser scanning

### Outcome:

#### 3D model suitable for:

- Documentation
- Dissemination
- Virtual reconstruction
- Sections and maps extraction
- Visualization: Internet, standard monitors, special 3D visualization monitors.



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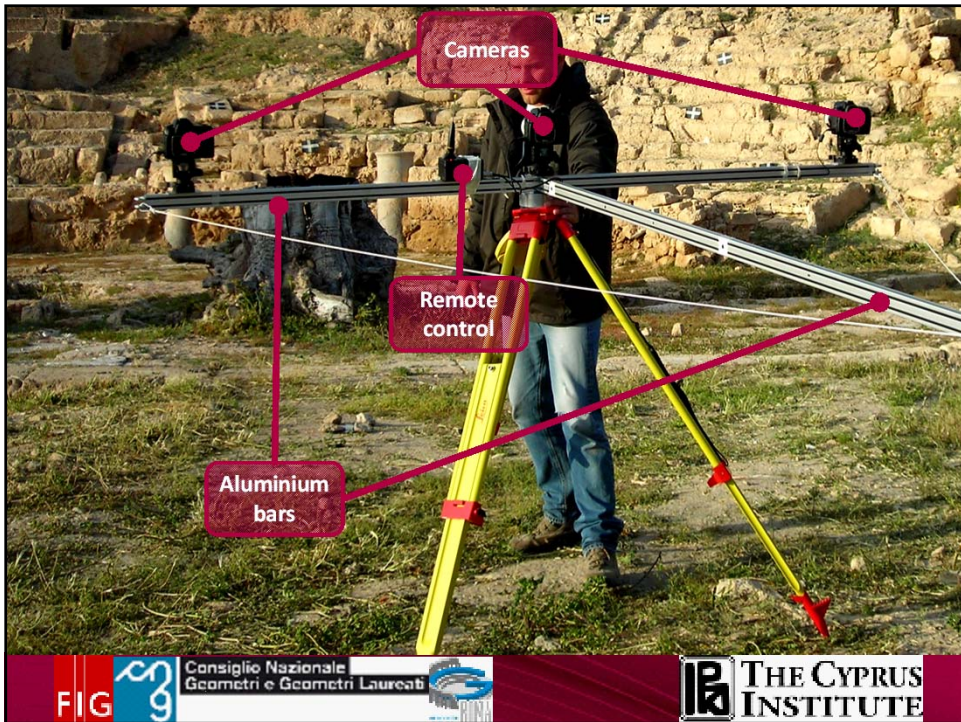
## Automatic photogrammetry



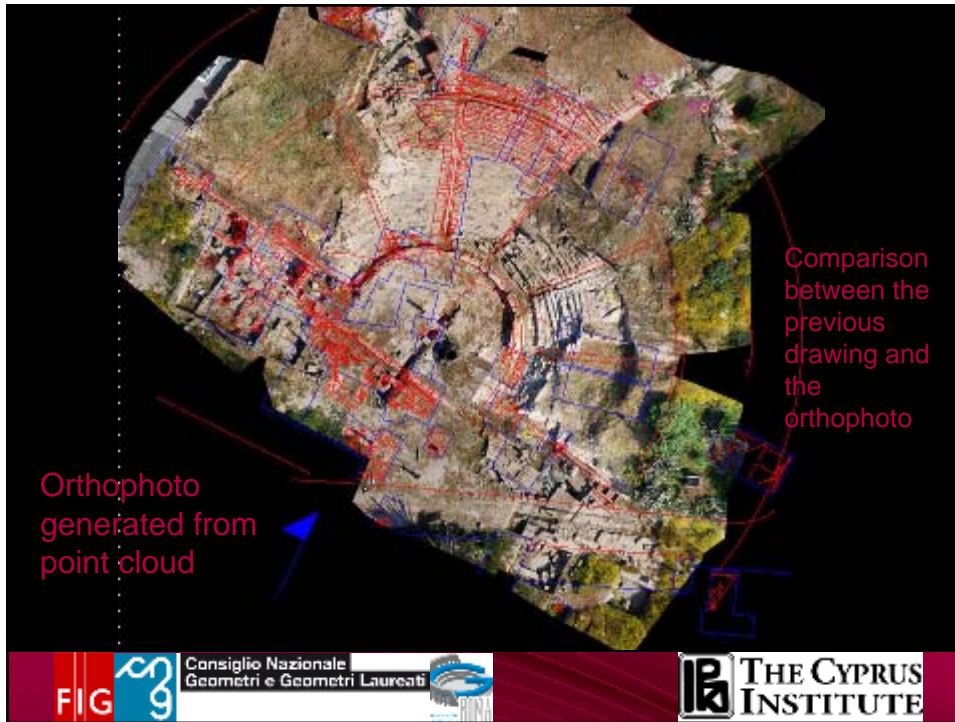
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## Conclusions

The integration of the two techniques is suggested in order to achieve a complete and accurate documentation of the studied object:

- aerial photogrammetry for large scale acquisition with accuracy of 1-2 cm
- laser scanning for the acquisition of fine details with accuracy of 1 mm.

The research goal of a work and the expected results are in sum the **key factors** in the choice of the technology to adopt.



## Collaborations



Paphos Municipality

Η Πόλη της Θεάς



Department of Antiquities in Cyprus



The University of Sydney



Institute for Technologies Applied to Cultural Heritage



UNIVERSITY OF NAPLES L'ORIENTALE – C.I.S.A.



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Thank you

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