What Future for our Past? 
The Task of the Surveyor for 
Cultural Heritage Preservation

Geom. Paola Ronzino

Preservation and conservation

Multidisciplinary task

Combination of investigation and detection technologies with historiographical approach

Increasing importance of surveyors in the field of Cultural Heritage
Role of the surveyor in preservation and conservation of CH

- Employee of the Superintendence for Cultural Heritage
- Manager of construction companies for monument restoration
- External consultant

Survey of Cultural Heritage

- Survey and geo-referencing
- Cadastral maps updating
- Monitoring of health status of ancient buildings
- Structural check
- Mapping of the re-use of architectonic elements
- Map of deteriorations
- Survey of building materials
The case study: survey of Altilia Saepinum

Surveyors of the College of Campobasso province
Superintendence for Archaeological Heritage of Molise region

Aerial photography

Altilia Saepinum

Cardus

Decumanus
**FIG WORKING WEEK 2012**
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Rome, Italy

1. **Basilica**
2. **Termal building**
3. **Decumanus**
4. **House with atrium watershed**

Paola Ronzino
Theatre

Houses built on the Roman cavea

Aim of the project

Promote valorization actions through the use of technology
Enhance communication capabilities of the system
Encourage re-organization intervention

Team of surveyors worked in close collaboration with the archaeologist of the Superintendence
Methodology

- Preparatory analysis for detecting architectural components and the archaeological site
- Systematic survey of the structures with GPS (n. 4) and TLS (n. 3)
  - 10 surveyors
  - 10 days of field work
  - 20 days for data processing
  - 1000 points
- 7 Capisaldi (Ground Control Point)
- Georeferencing
- Cadastral map update

Monography of a Caposaldo
Methodology

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- Systematic survey of the structures with GPS (n. 4) and TLS (n.3)
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Output
The growing interest and the high number of visitors and cultural events in this Roman city, very well preserved in its constitutive elements, imposes to the government to consider Altilia as a central pivot of the Archaeological Superintendence programs and one of the great cultural attractions where the aim is to build good tourist-cultural itineraries:

1. Permanent exhibition on the Roman walls of Sepino
2. Permanent exhibition about the evolution of Greek and Roman military technology

Closing remarks

• Emphasize the role of the surveyor in the protection of the territory.
• The multidisciplinary nature of this work is increasingly common in Italy.
• The "technical" work of the surveyor is integrated with the "humanistic" one of the archaeologist.
• Ensuring data long-term preservation
• Data reuse
• Solid base for future researches
Closing remarks

• The effort of the surveyors in documenting accurately the territory enables making people aware of the patrimony scattered in the territory and enhance its knowledge.
• This leads to a better understanding and to a sustainable use of the territory.
• Thanks to the multiplicity of his skills the surveyor provides the public administration with the basic tools which enable them to develop strategic plans for good land governance.

Thank you for your kind attention

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