

1. A NEW THEORETICAL APPROACH

2. LANDSCAPES AS A LONG TIME CONSTRUCTION

**3. WHICH INSTRUMENTS DO WE NEED IN LANDSCAPE
RESEARCH?**

4.THE SUMMER SCHOOL IN THE IRAAHL PROJECT

INSTRUMENTS OF QUANTITATY ANALISYS

- 1. PLACE NAMES**
- 2. ESTIMI, CADASTRAL MAPS**
- 3. *REMOTE SENSING***
- 4. ARCHITECTURES**
- 5. ETHNOARCHEOLOGY**

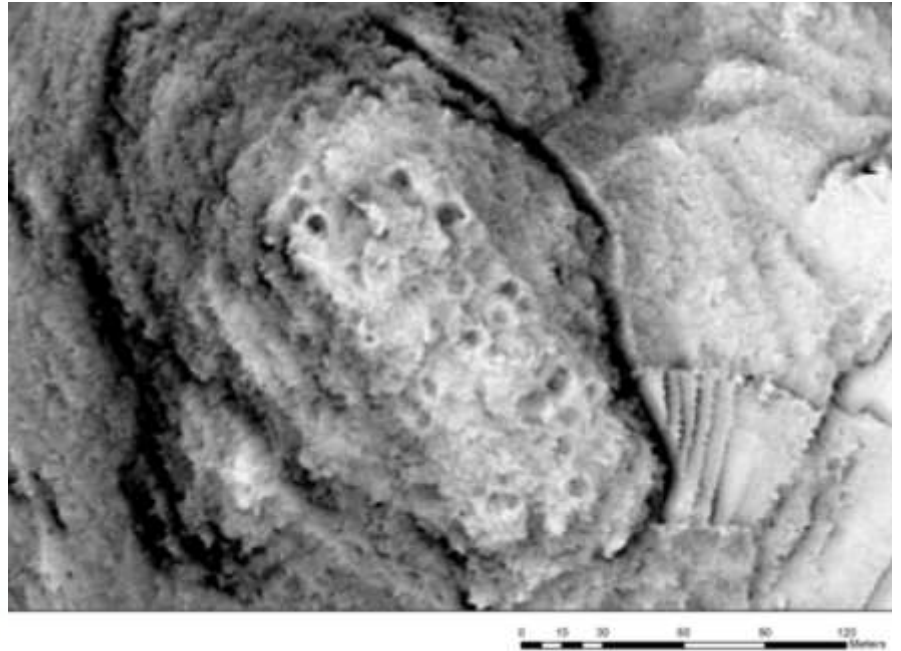
REMOTE SENSING

LIDAR: Sky view factor

aerial photo



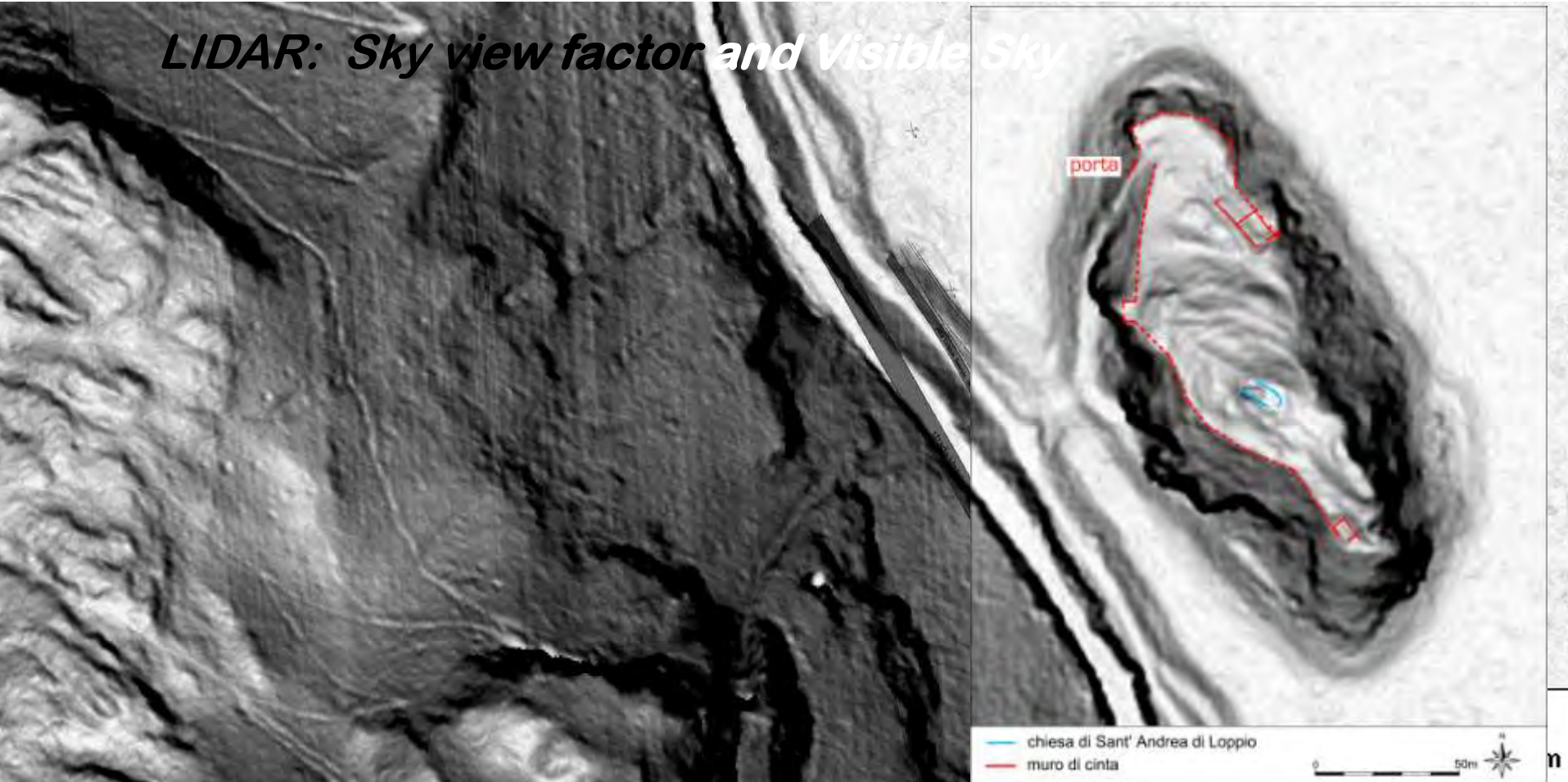
paolo.forlin@unitn.it



Bronze age village

REMOTE SENSING

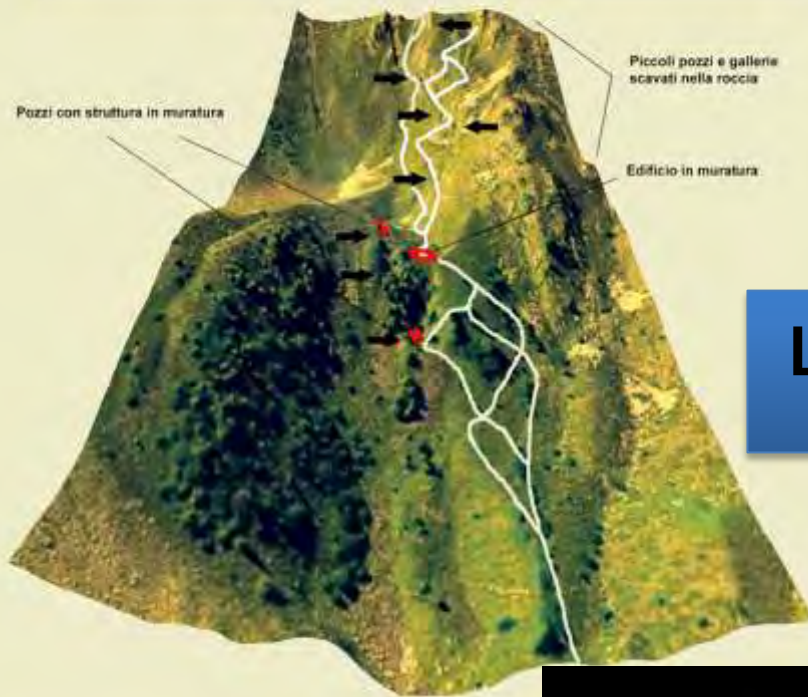
LIDAR: Sky view factor and Visible Sky



GOTHIC CASTLE OF Sant' Andrea di Loppio
(6th c. a.D.)

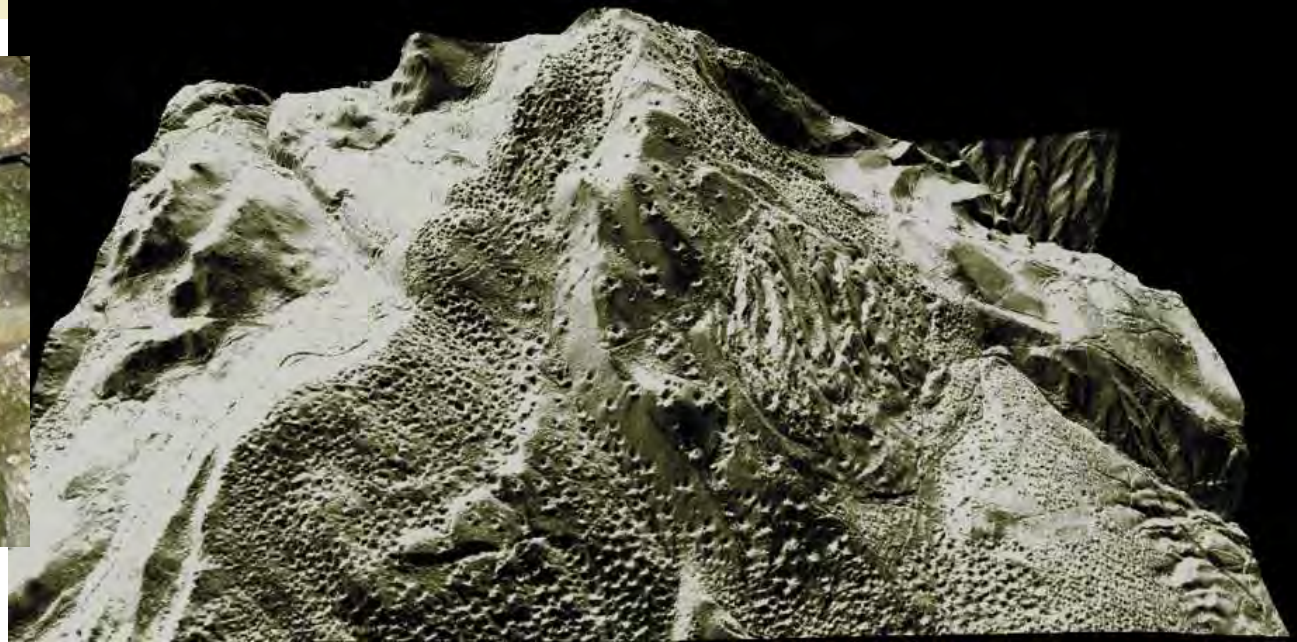
Base: DTM LiDAR,
Slope Shader
(Min. Slope: 0, Max. Slope: 45)

**Esempio di paesaggio minerario in Val di Pejo
(ai piedi della Cima Boai)**



REMOTE SENSING

LIDAR in mining Landscapes



RADAR



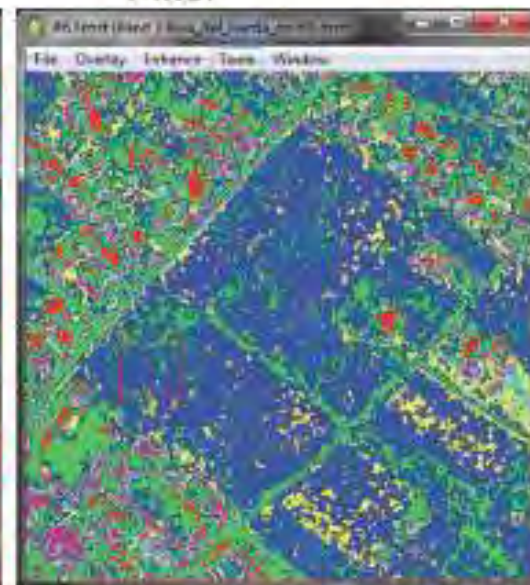
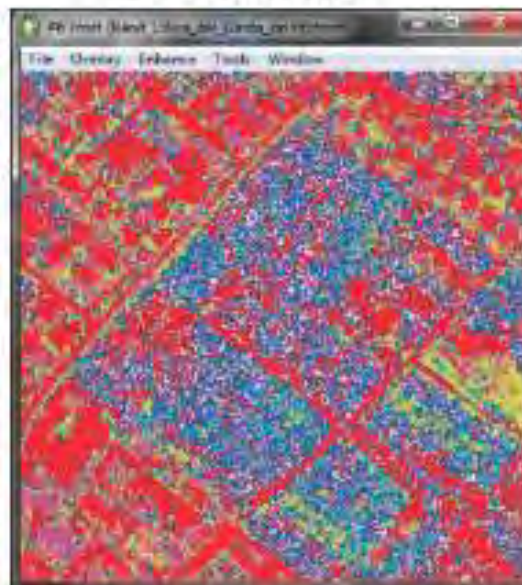
Normal

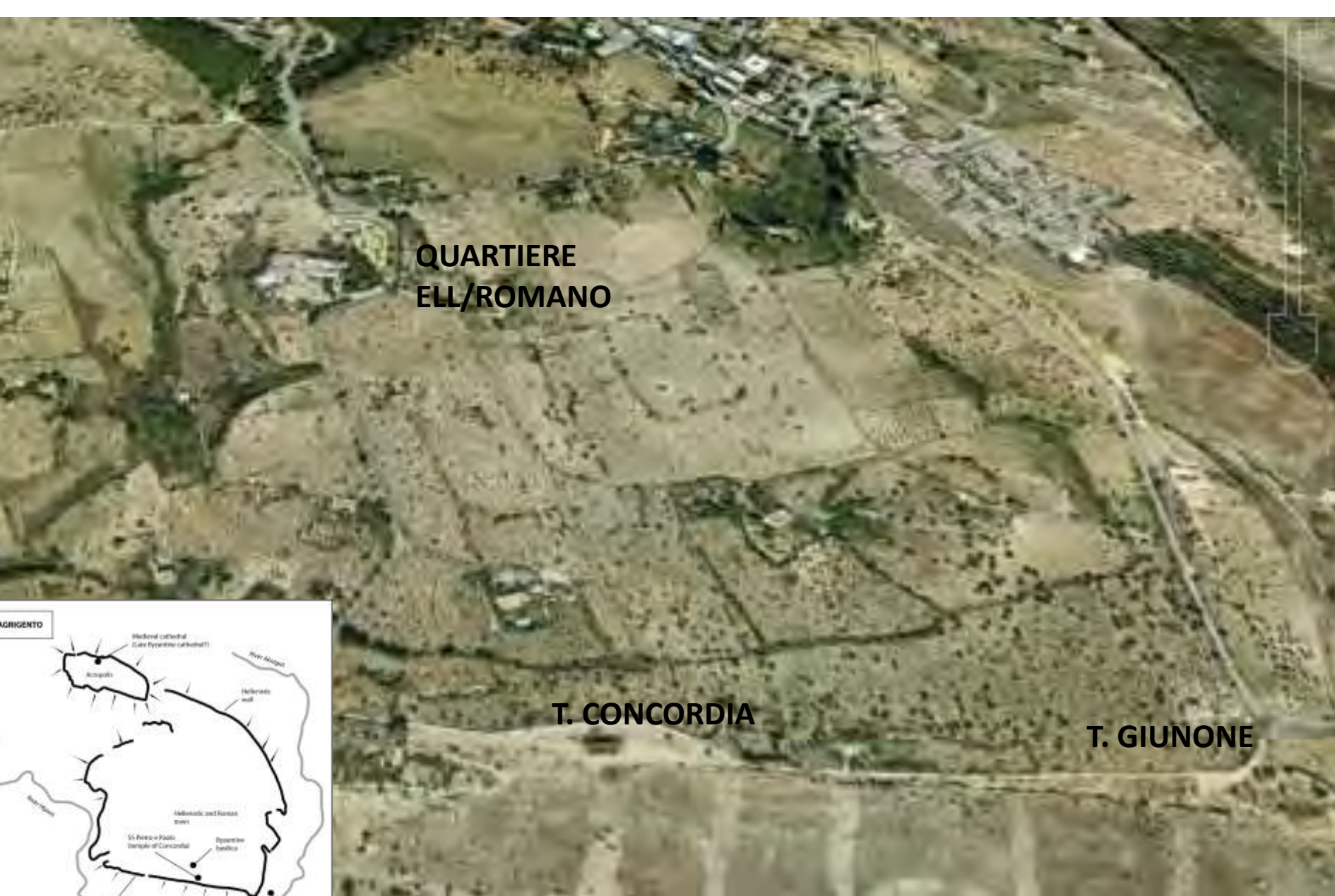


SquareRoot
Contrast Stretch

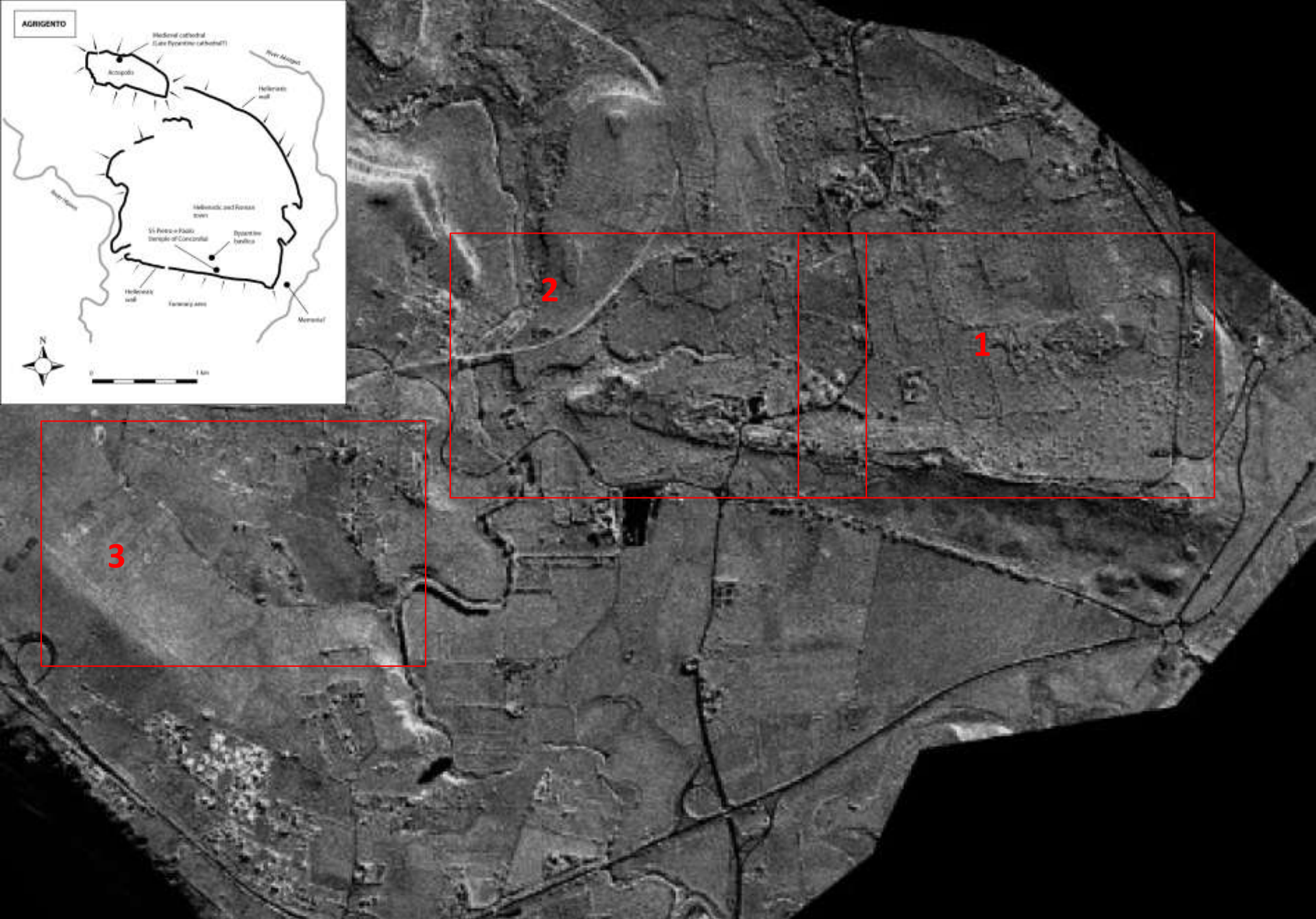
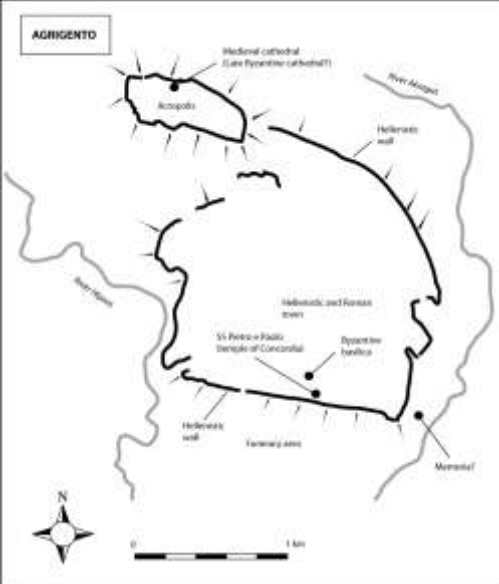


Frost Adaptive
Filter



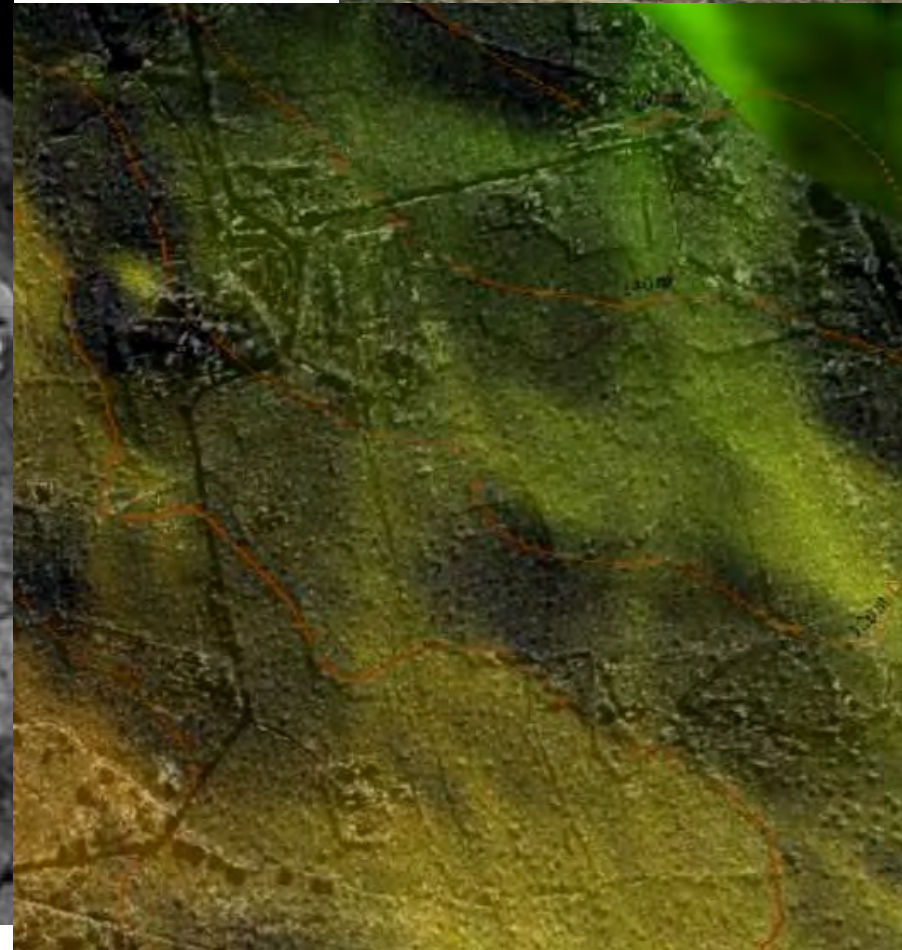
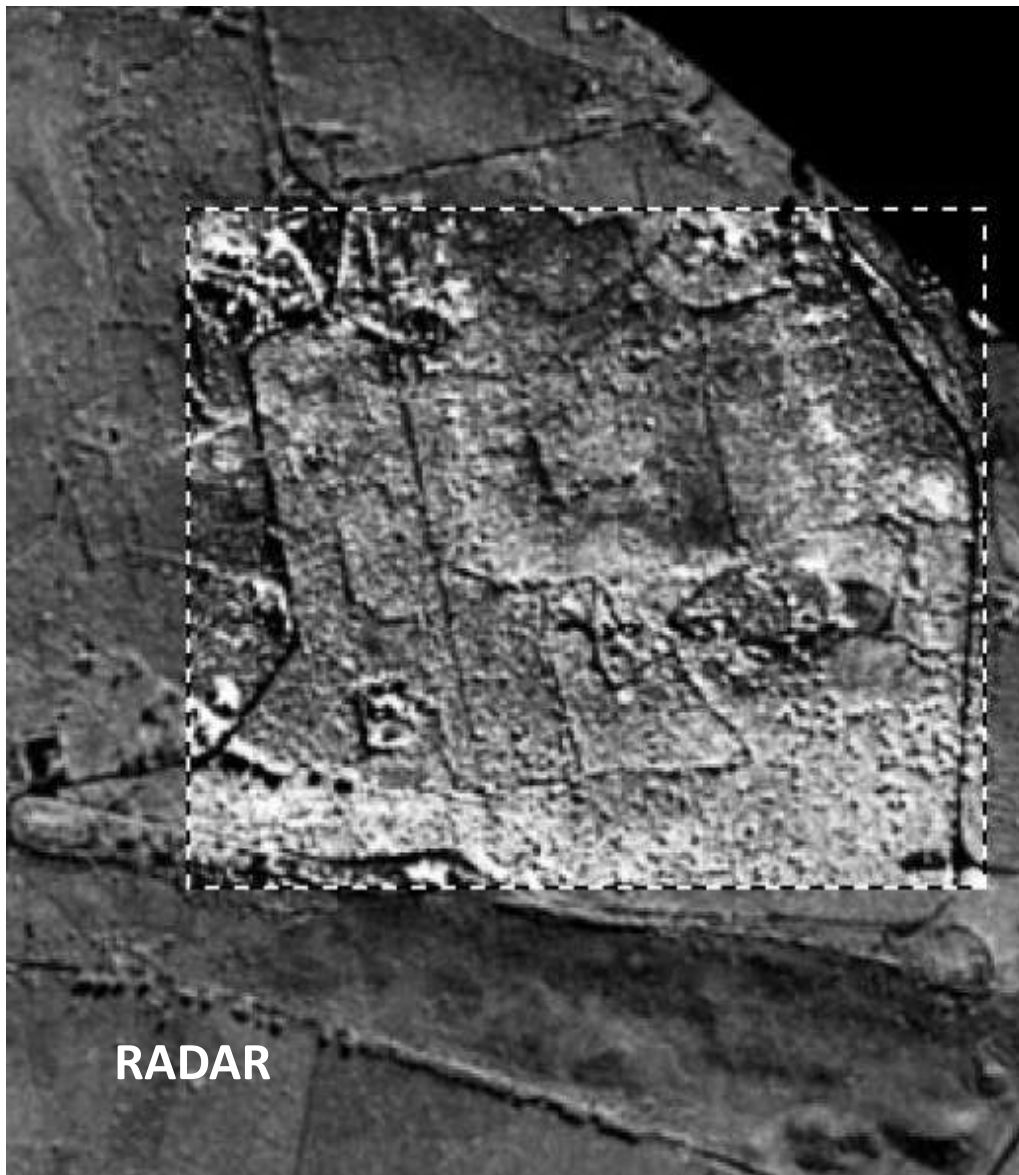


AGRIGENTO, VALLE DEI TEMPLI. AERIAL PHOTO

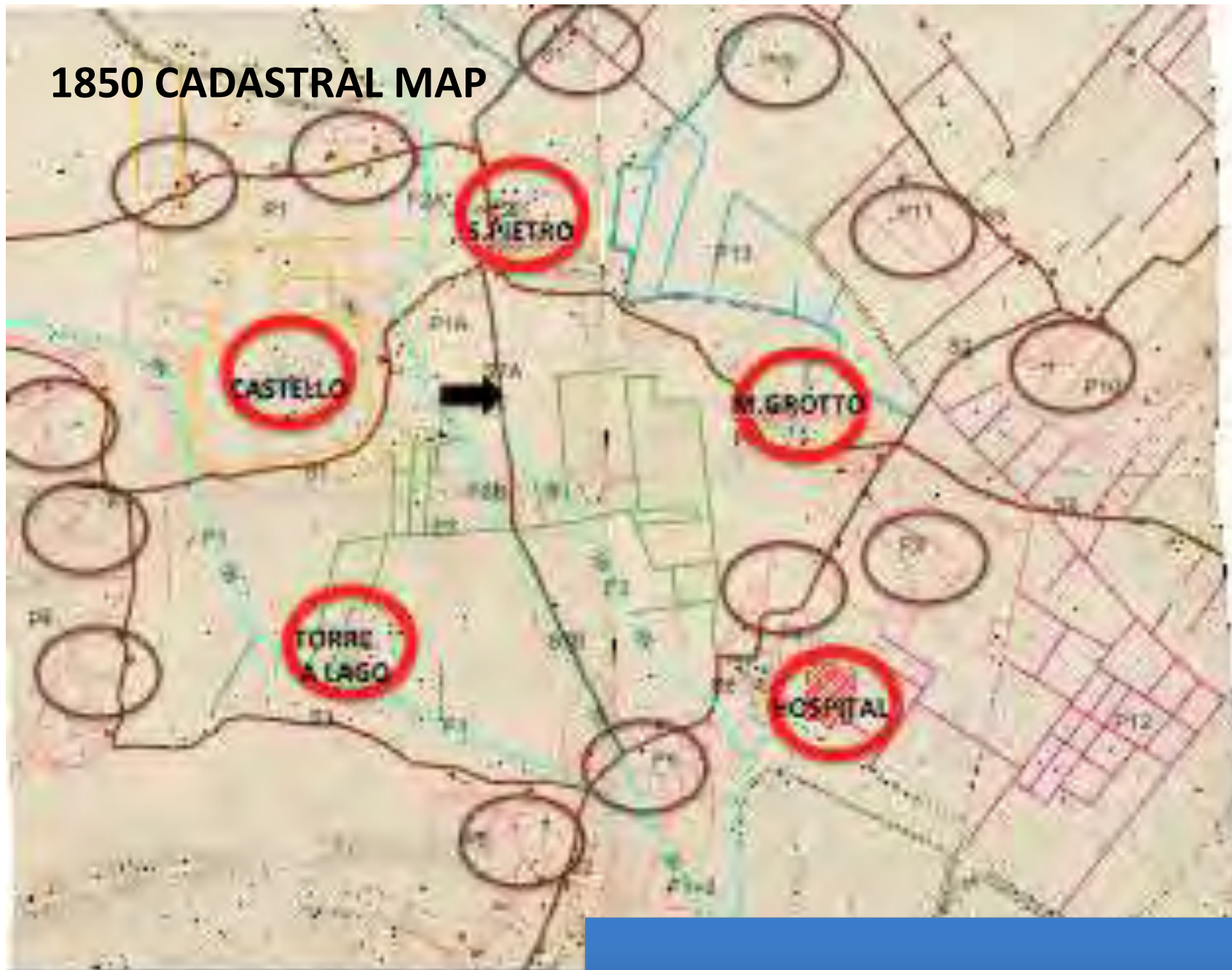


AGRIGENTO, VALLE DEI TEMPLI: RADAR

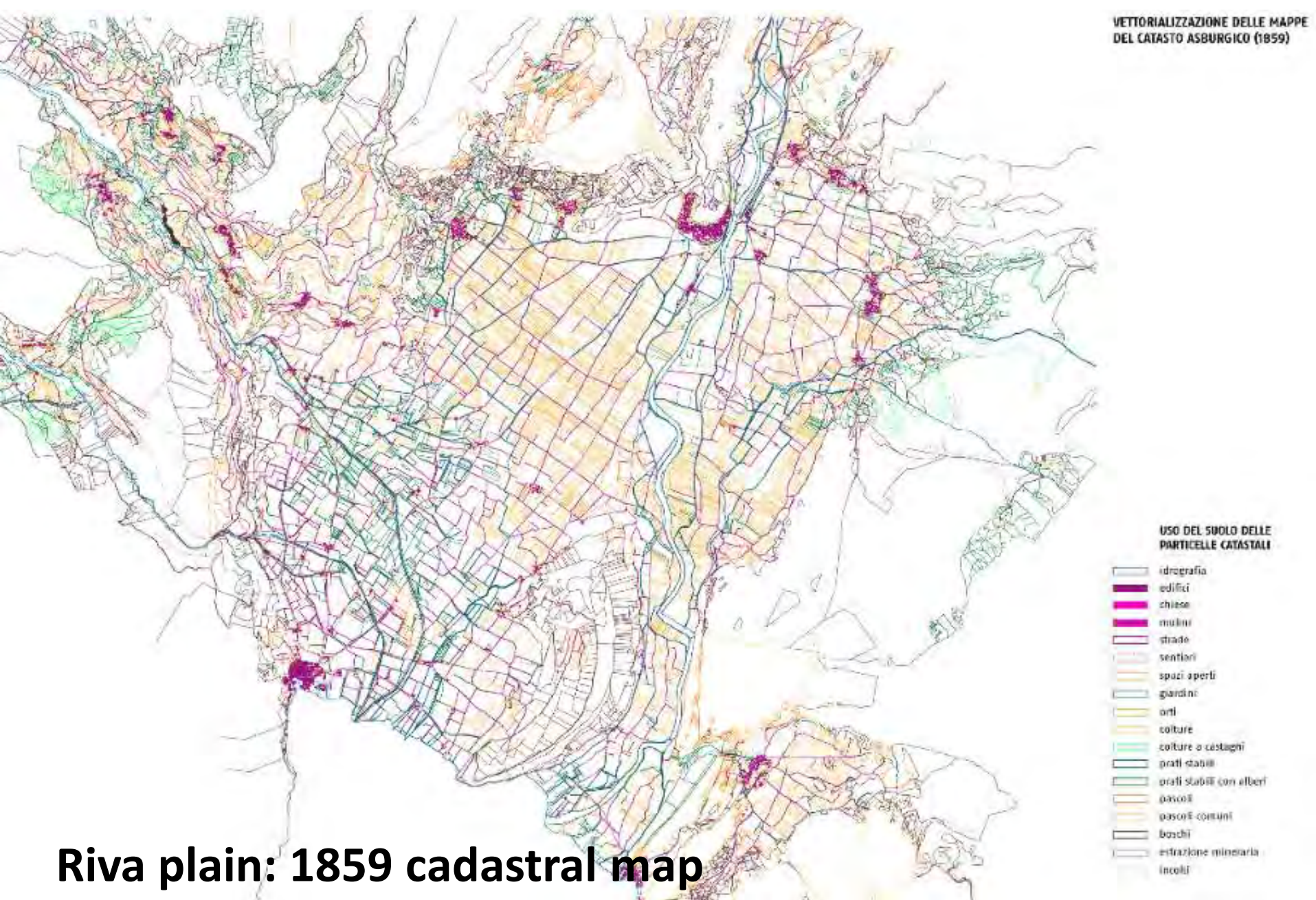
SETTORE 1 (NORD-EST): RADAR



1850 CADASTRAL MAP

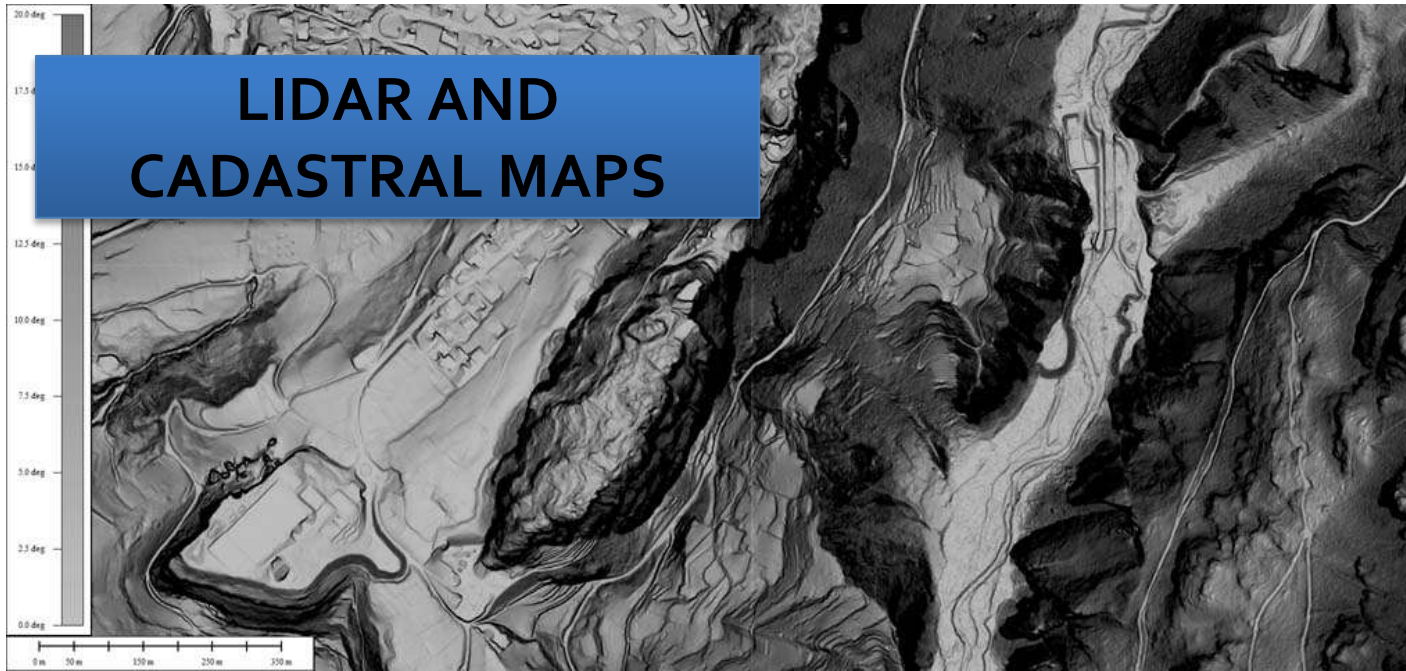


ROADS, IDROGRAPHY, FIELD SYSTEM



**Riva plain: 1859 cadastral map
digitalized (and the use of the soil)**

LIDAR AND CADASTRAL MAPS



DTM LiDAR
Slope Shader
Min slope: 0
Max slope: 50

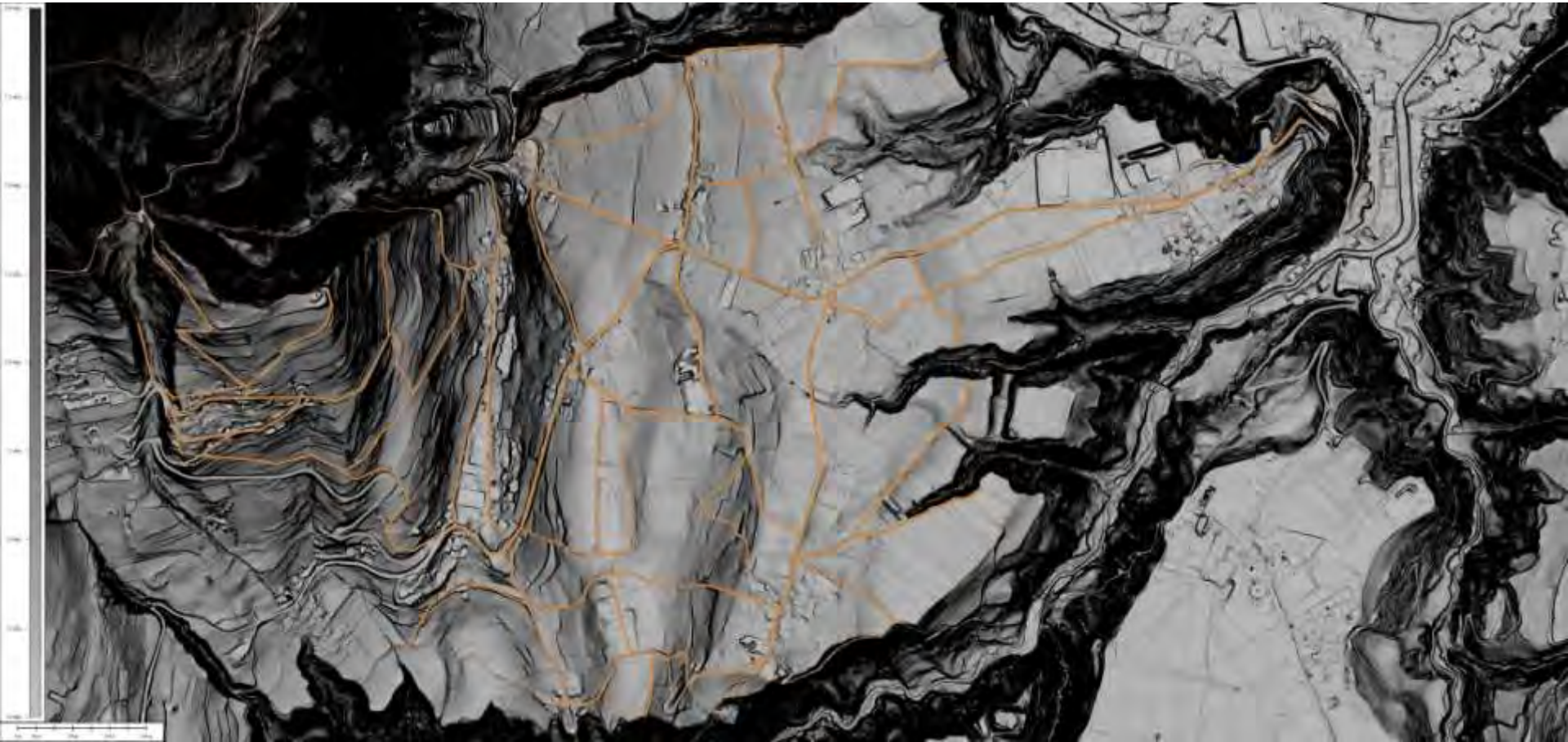
DTM LiDAR
Slope Shader
Min slope: 0
Max slope: 50
And Catasto
Asburgico map:
40,2 %



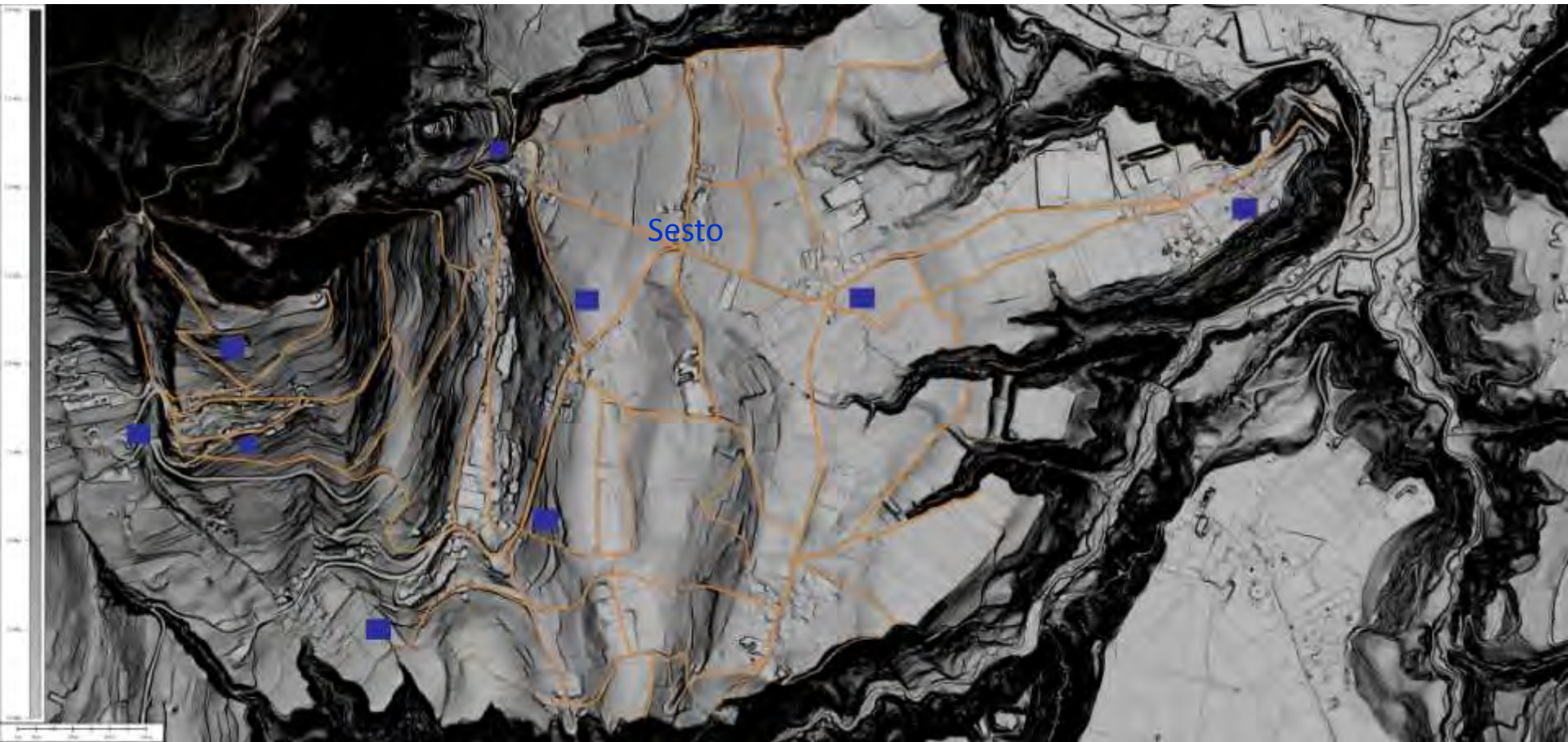
ALTOPIANO DEL BLEGGIO (Trento)
(DTM LiDAR, slope shader)

ROADS

**SEQUENCE OF THE
AGRARIAN LANDSCAPE**



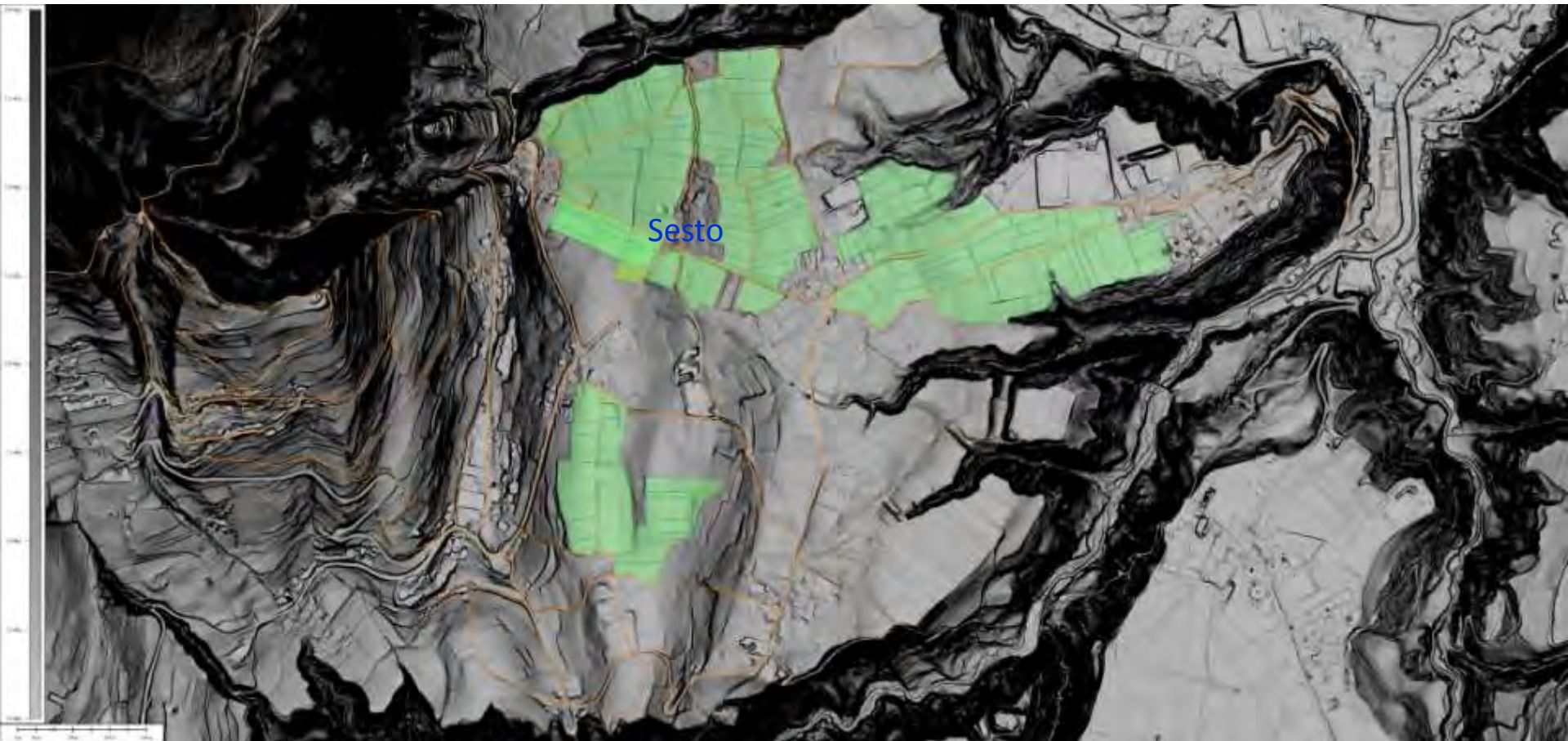
ROMAN SETTLEMENT



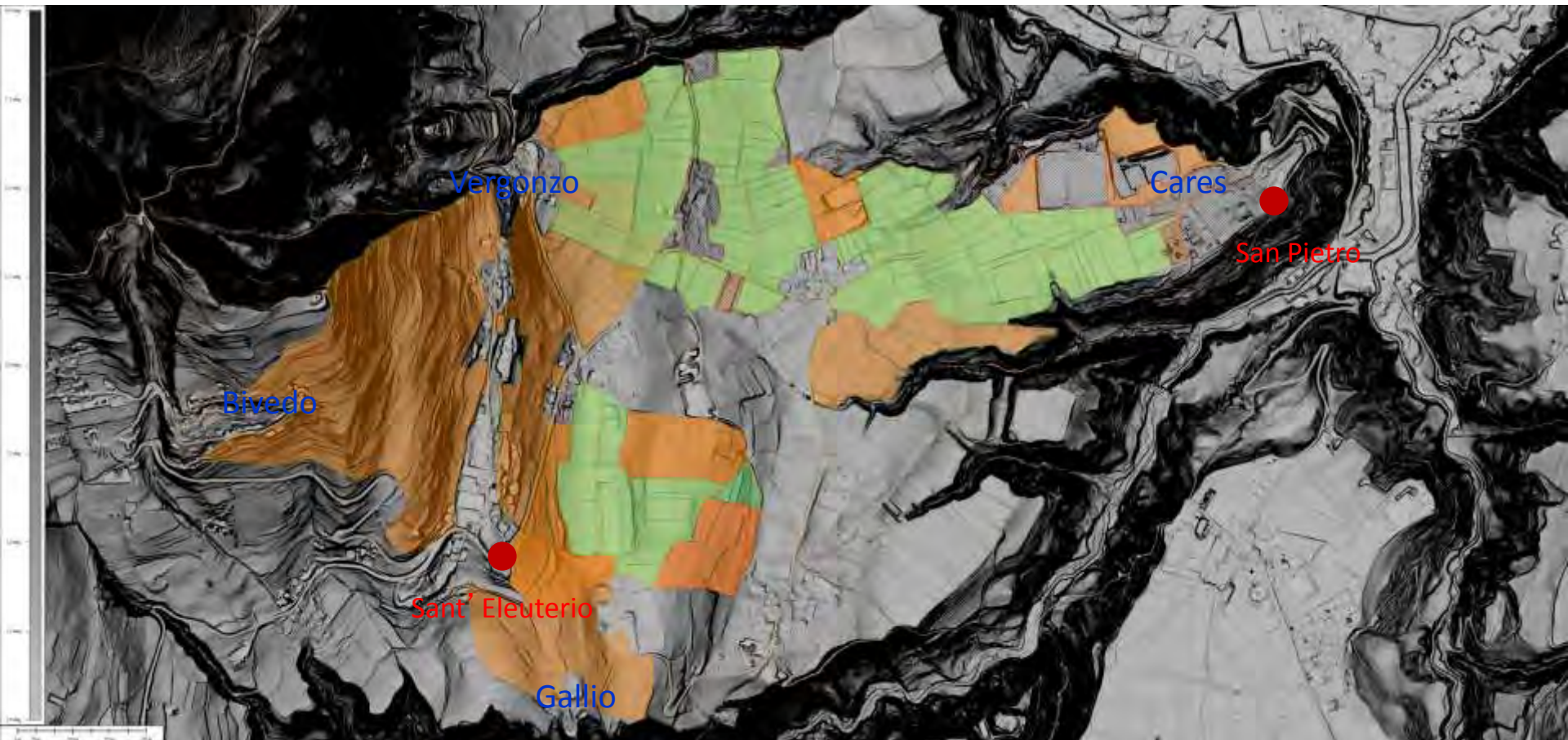
SEQUENCE OF FIELDS SYSTEM

agrarian landscapes

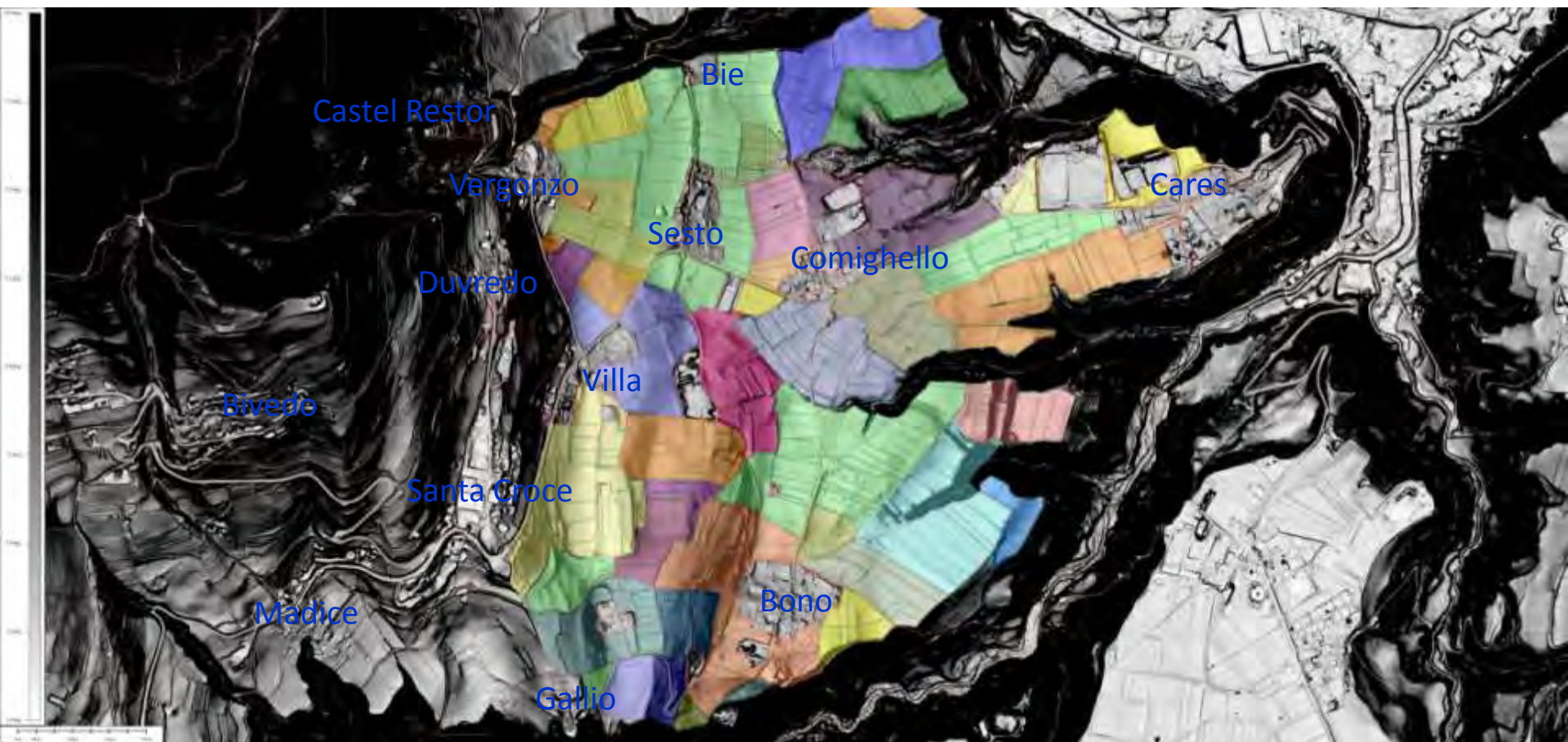
(1)



(2)



(3)



CASTLE LANDSCAPES



CASTEL MANZANO