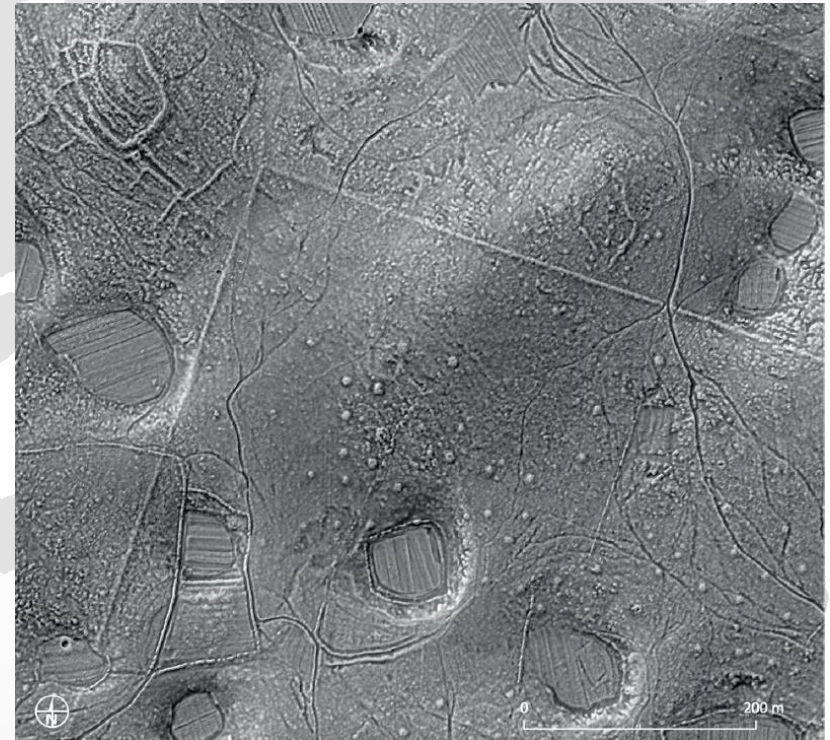


LIDAR-BASED TARGETED SURVEY OF A MEDITERRANEAN LANDSCAPE

Robert Matijašić, Katarina Gerometta
Juraj Dobrila University of Pula (Croatia)

IMS workshop, Amsterdam, 2018





Faculty of Humanities



VRSAR-
ORSERA
MUNICIPALITY



CENTRE FOR
INTERDISCIPLINARY
RESEARCH IN
LANDSCAPE
ARCHAEOLOGY



CROATIAN
CONSERVATION
INSTITUTE



Faculty of Economics and
Tourism "Dr. Mijo Mirković"



Faculty of Interdisciplinary,
Italian and Cultural Studies

Speleoklub HAD Vrsar

VRSAR
inspires

Vrsar Tourist Board

maistra
ROVINJ - VRSAR

ARCHAEOCULTOUR

The Archaeological Landscape
in a Sustainable Development of Cultural Tourism
in the Municipality of Vrsar
2018-2021

Principal Investigator: **Robert Matijašić**, Juraj Dobrila University of Pula

Researchers:

Juraj Dobrila University of Pula: **Kristina Afrić Rakitovac, Davor Bulić, Klara Buršić-Matijašić, Katarina Gerometta, Sara Popović, Nataša Urošević, Nikola Vojnović, Katarina Šprem**

University of Pisa: **Giovanni Boschian**

Conservation Department in Pula, Ministry of Culture of the Republic of Croatia: **Marko Uhač**

Division for Archaeological Heritage, Croatian Conservation Institute: **Josip Višnjić**

Municipality of Vrsar-Orsera: **Vlasta Gortan**

Vrsar Tourist Board: **Tina Slamar**

Maistra PLC.: **Sanda Bravar**

Scuba diving club „Ugor” Vrsar: **Roberto Gergeta, Ivan Gerometta, Milorad Harašić, Mauricio Matukina, Anton Prekalj,**

Speleoclub HAD Vrsar: **Ciceran, Petra Pifar**

STUDY AREA

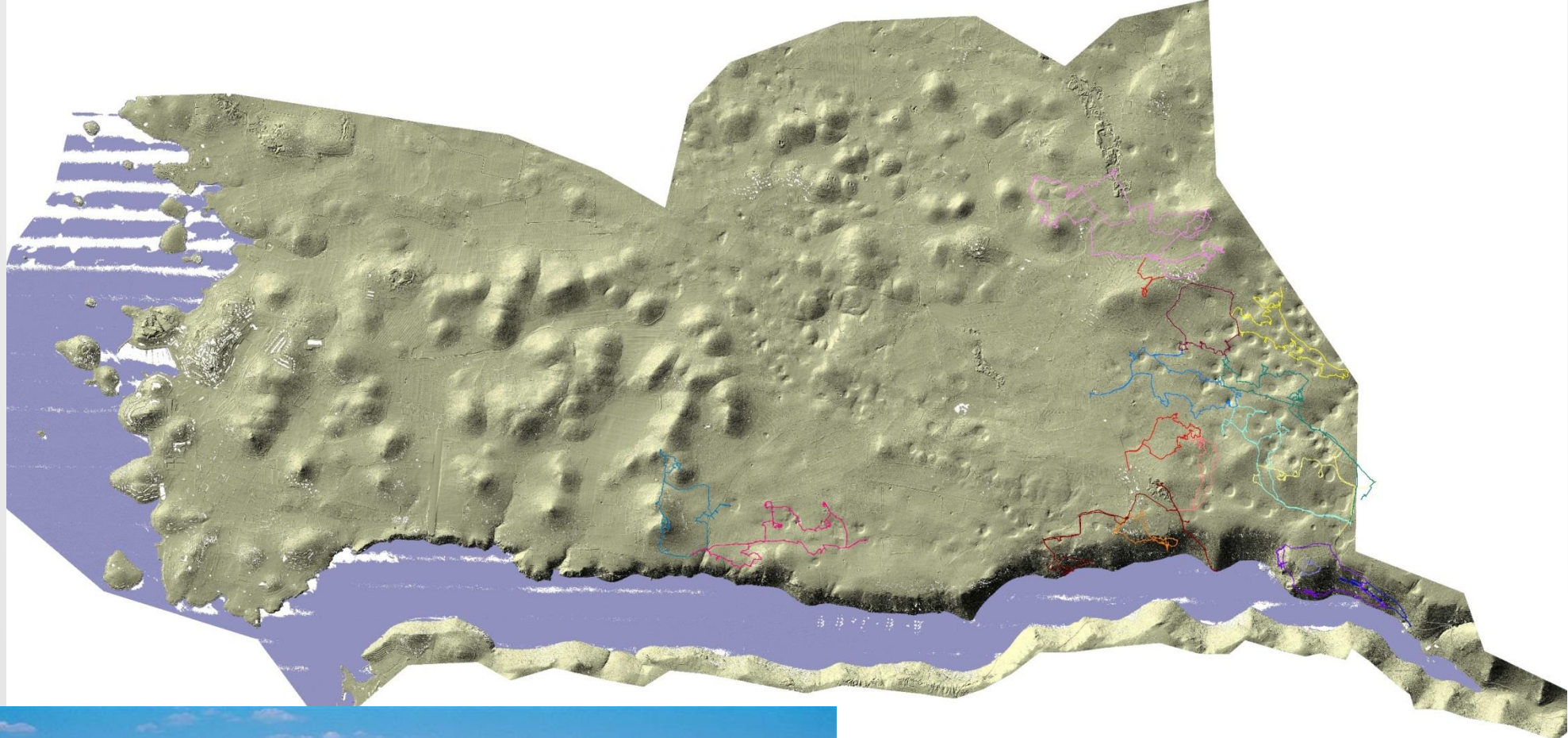
MUNICIPALITY OF VR SAR, ISTRIA, CROATIA



Land surface area: 37,92 km²

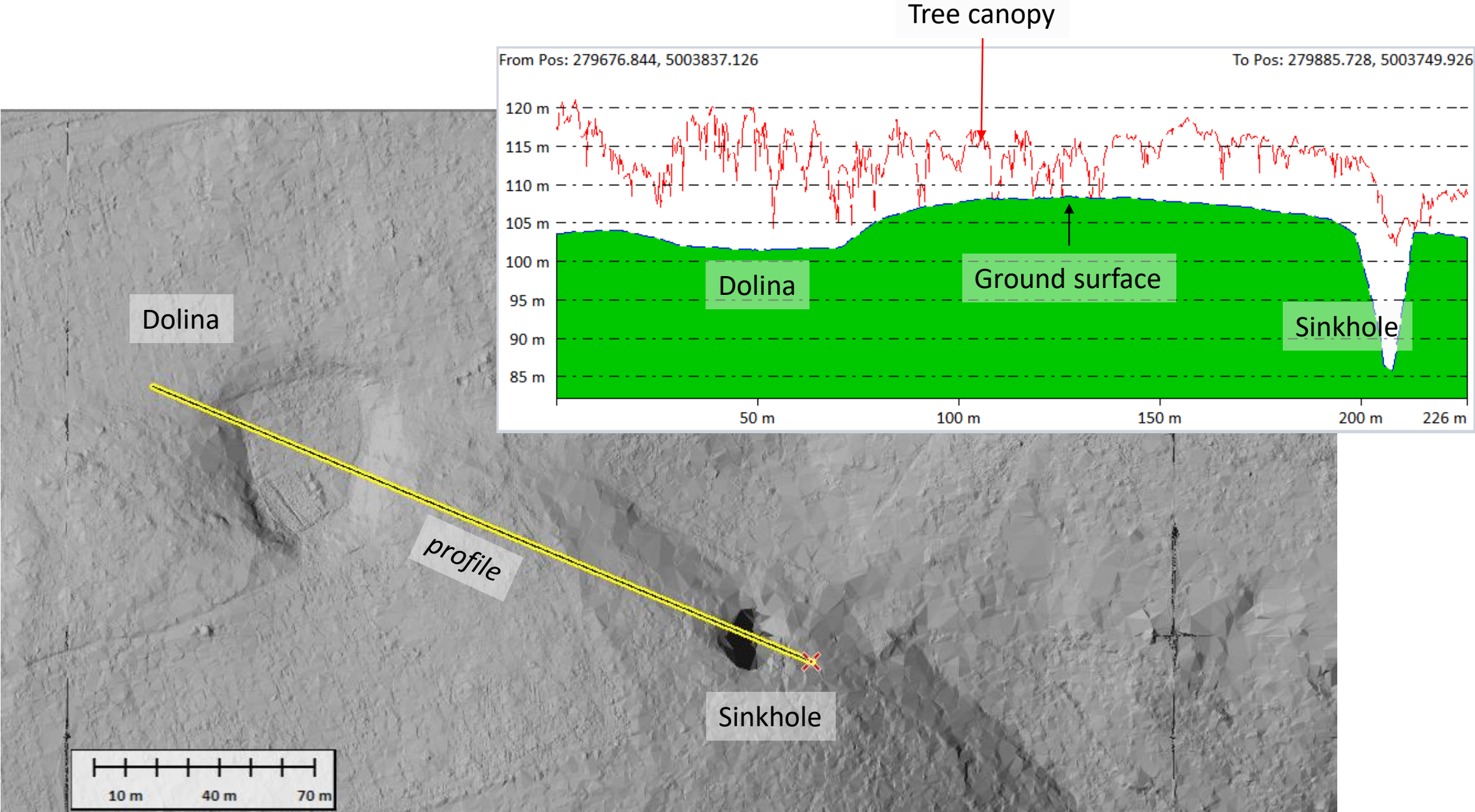
Administrative center Vrsar (Orsera) situated on a hilltop 50 m a.s.l. – prehistoric settlement



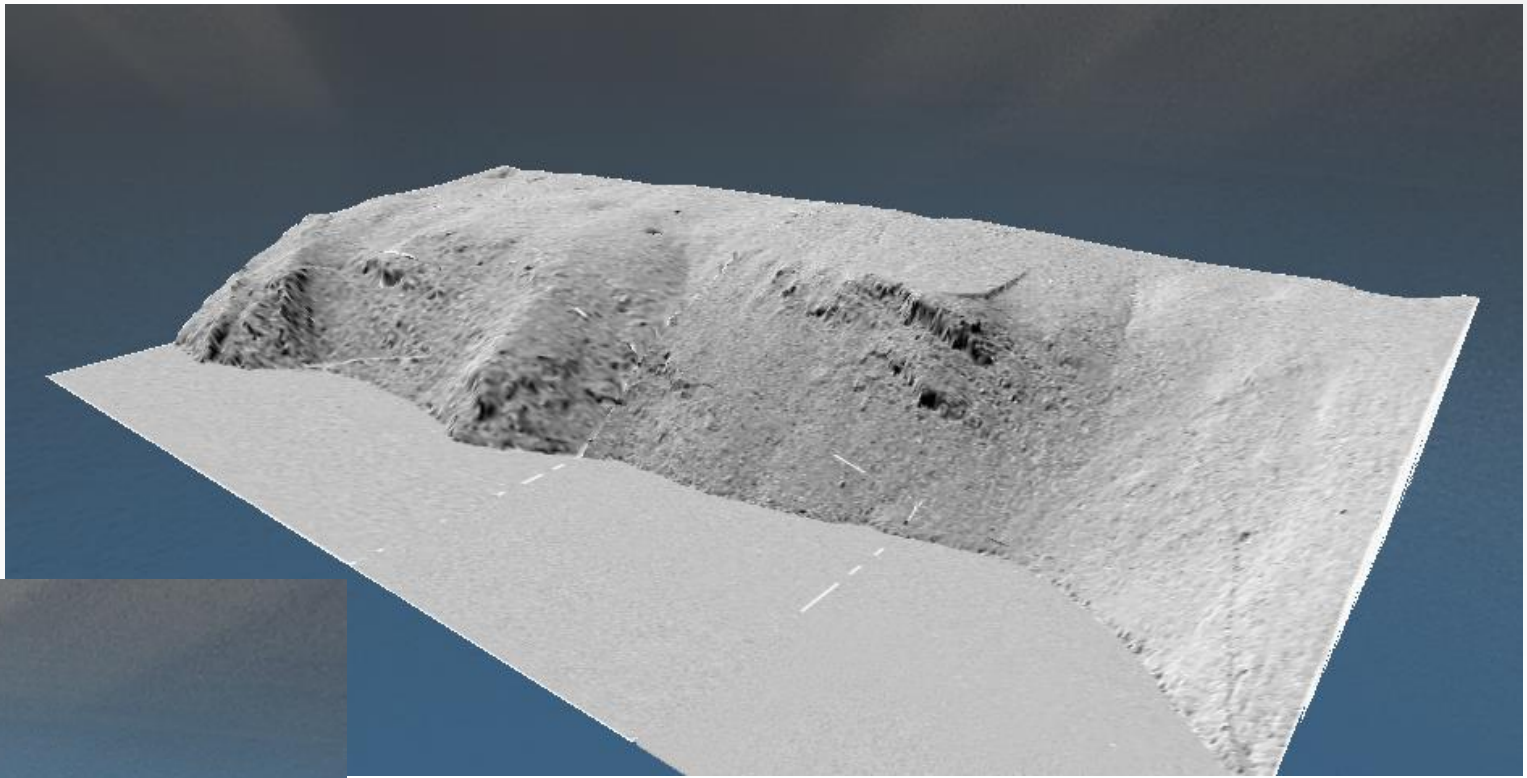




Ground arrival – topography







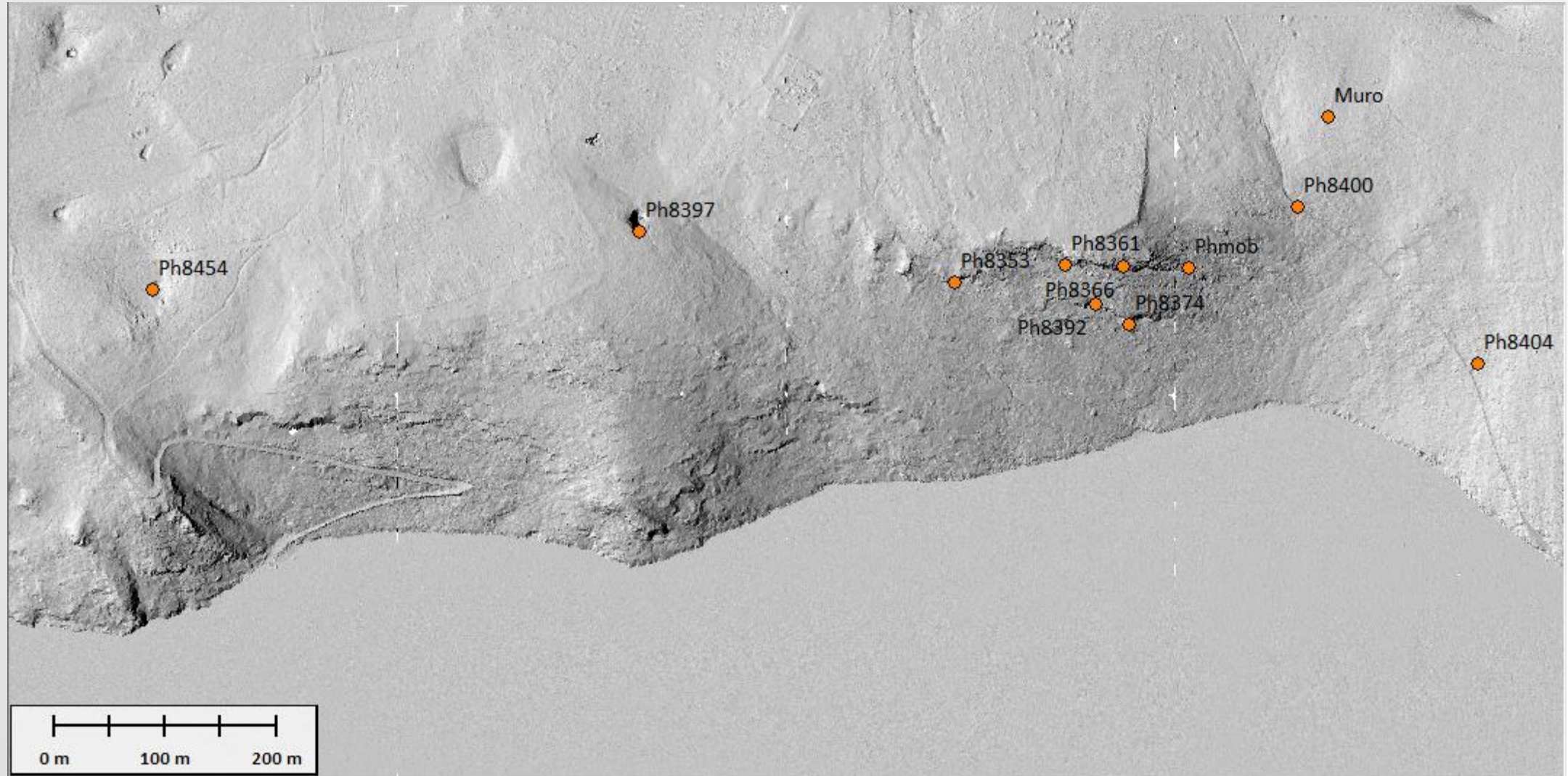
Digital orthophoto

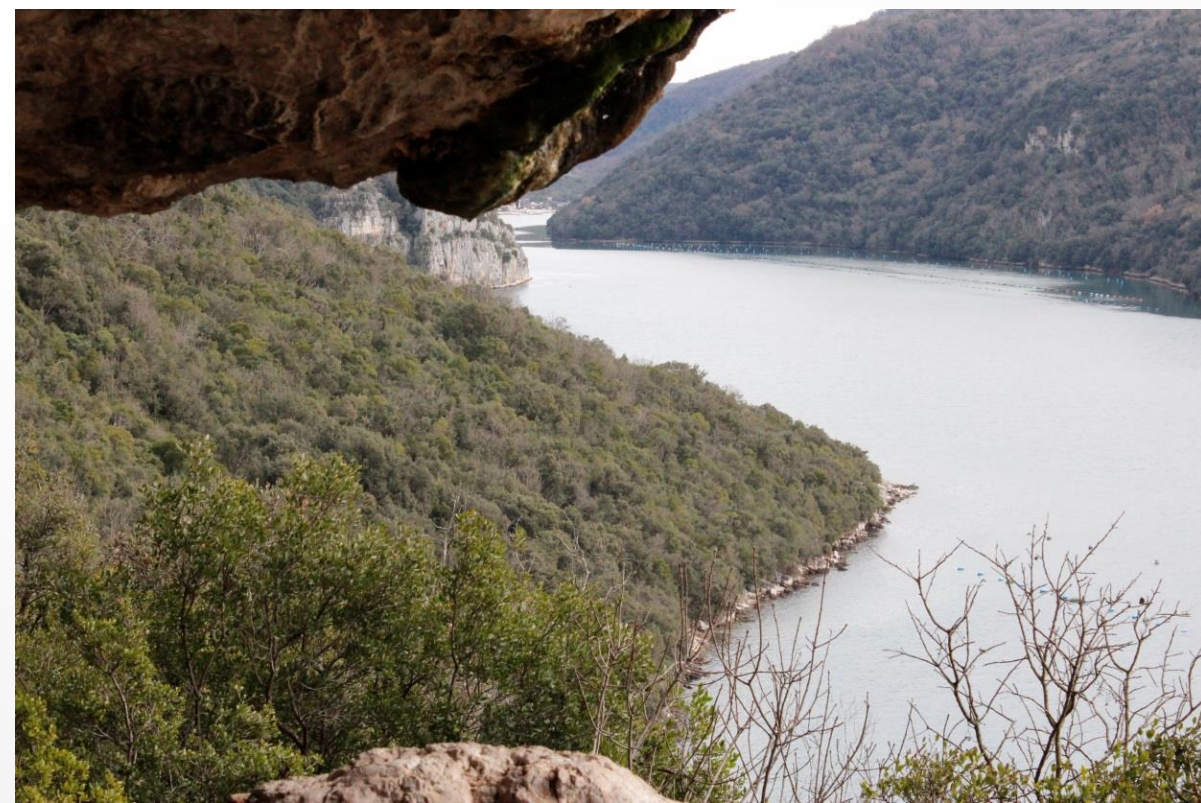
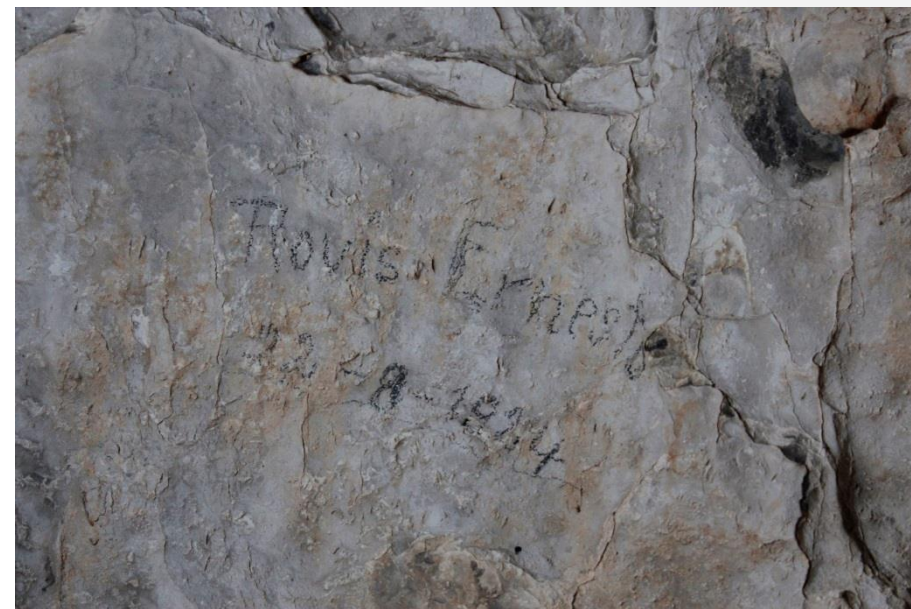


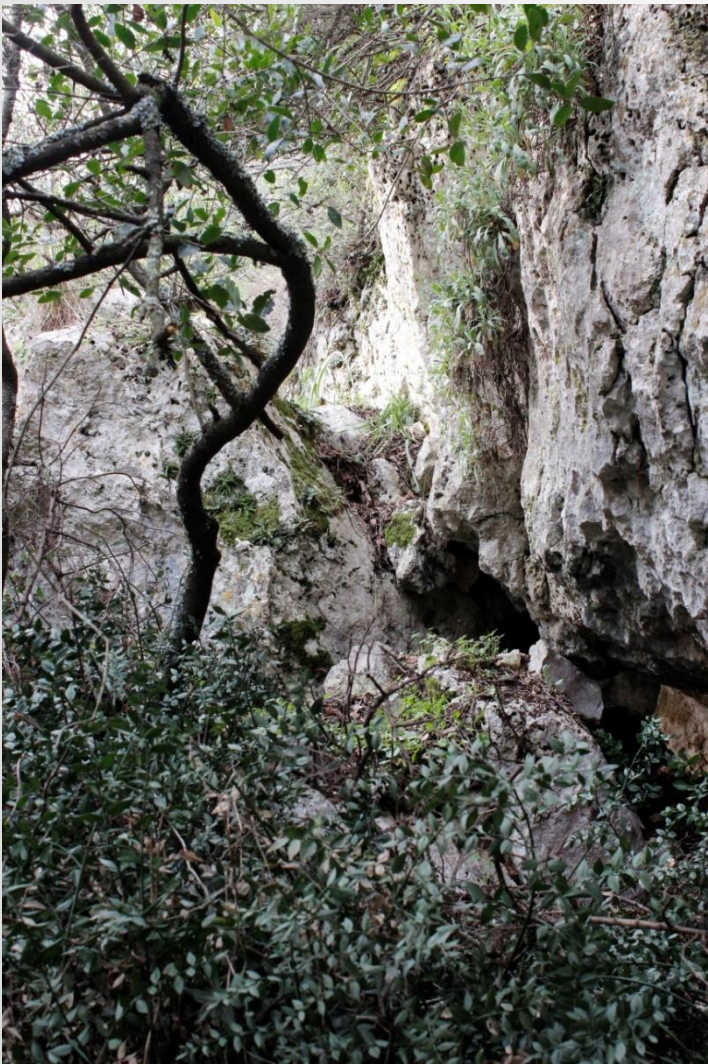
First arrival shaded relief (top of vegetation)

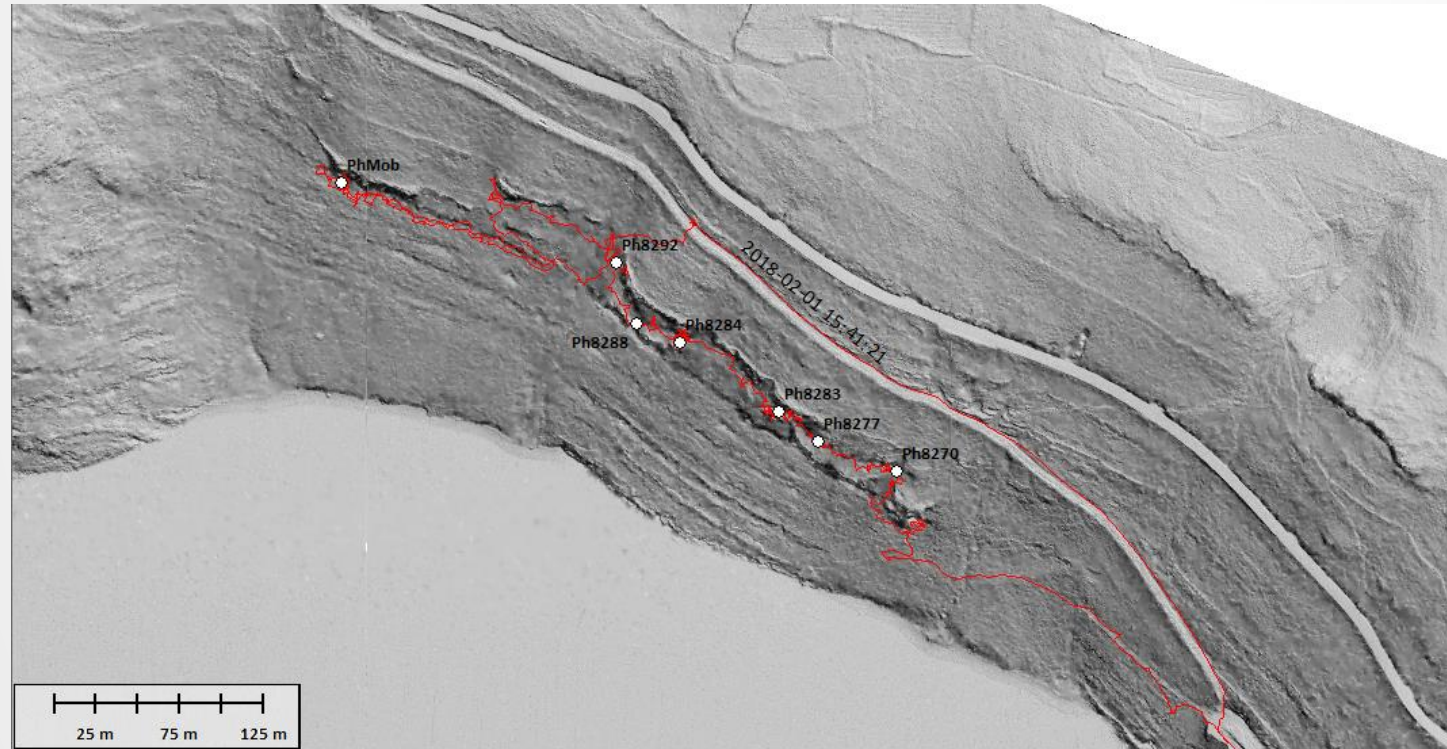


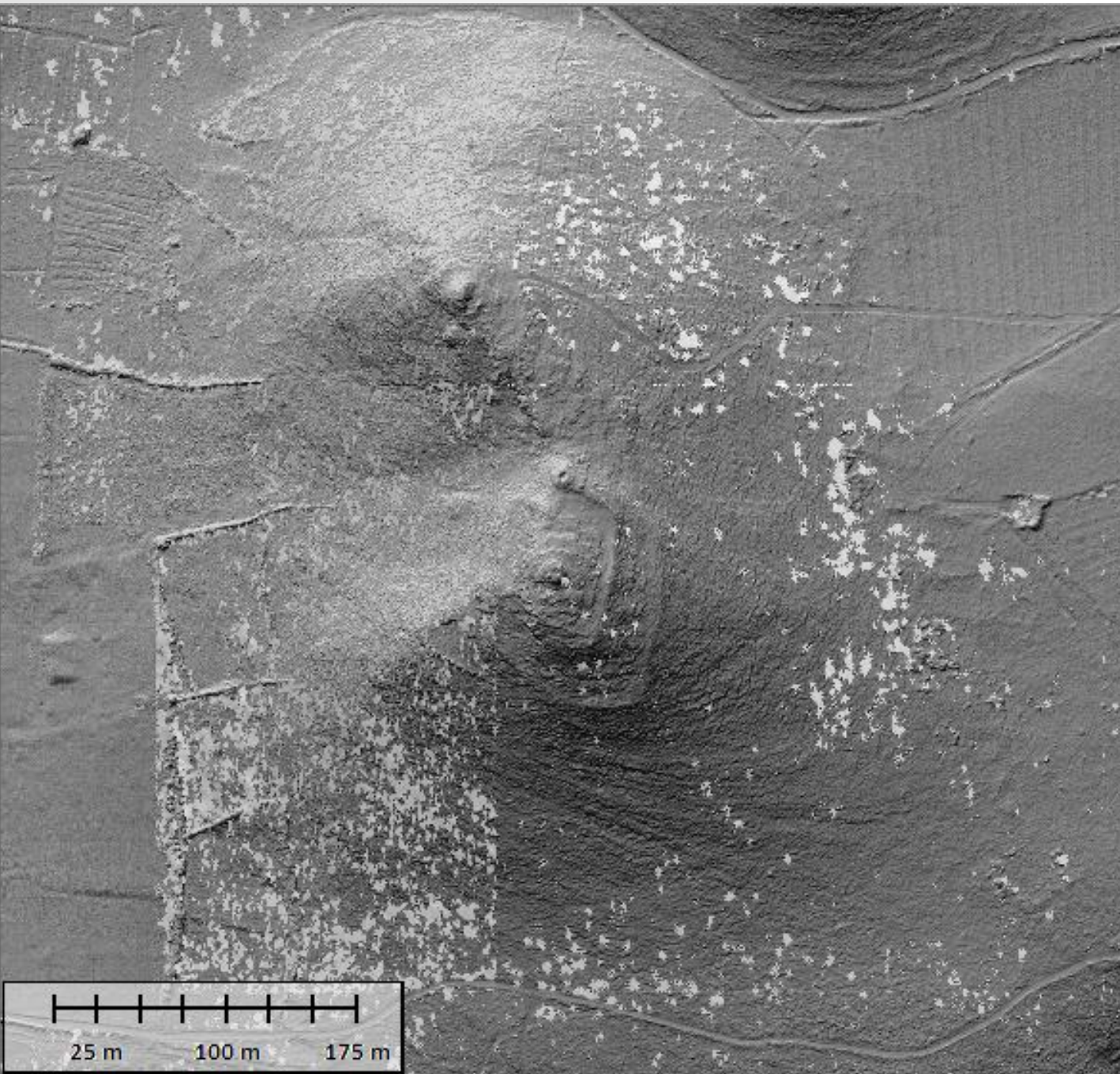
Ground arrival shaded relief (ground topography)



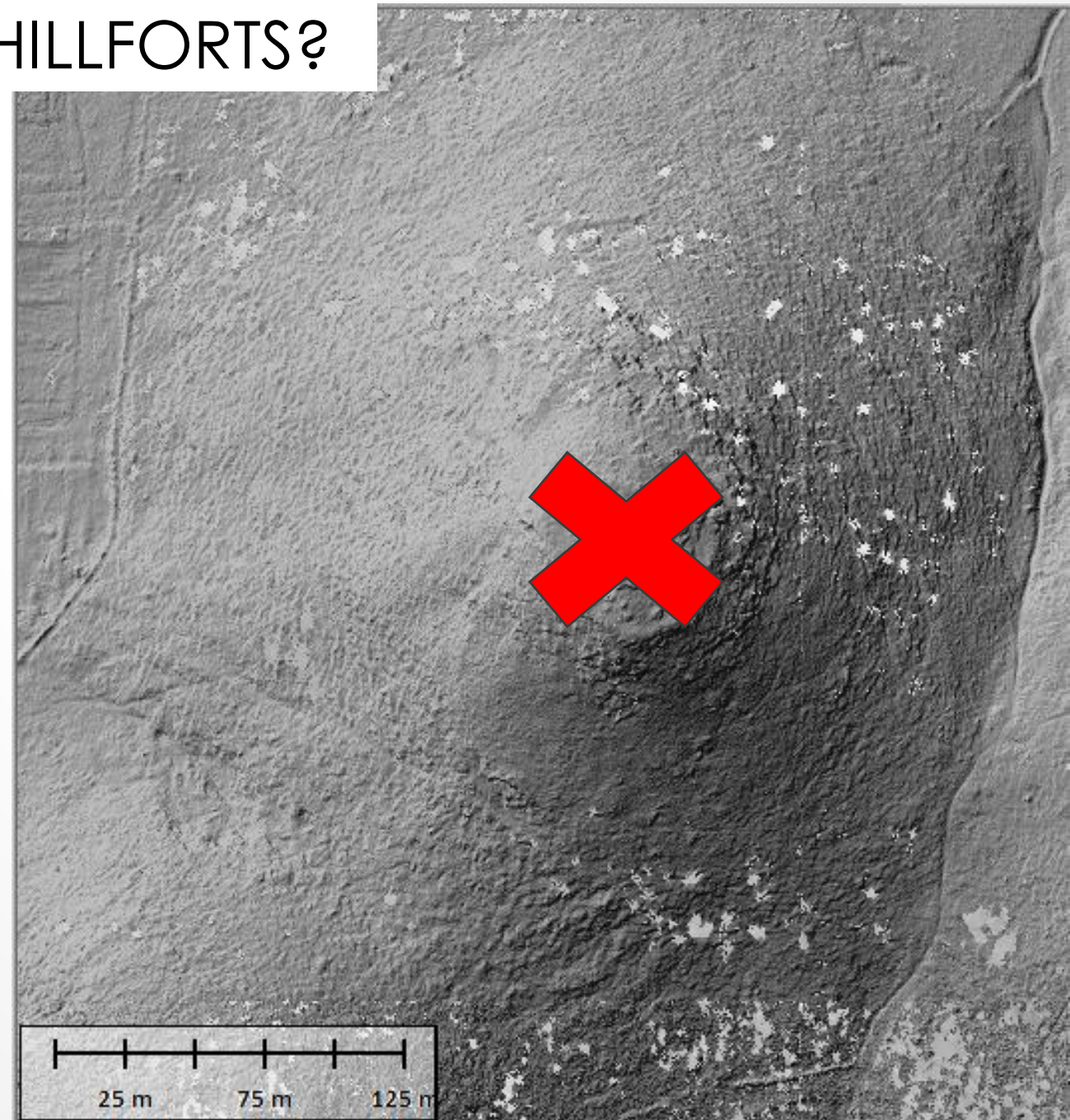
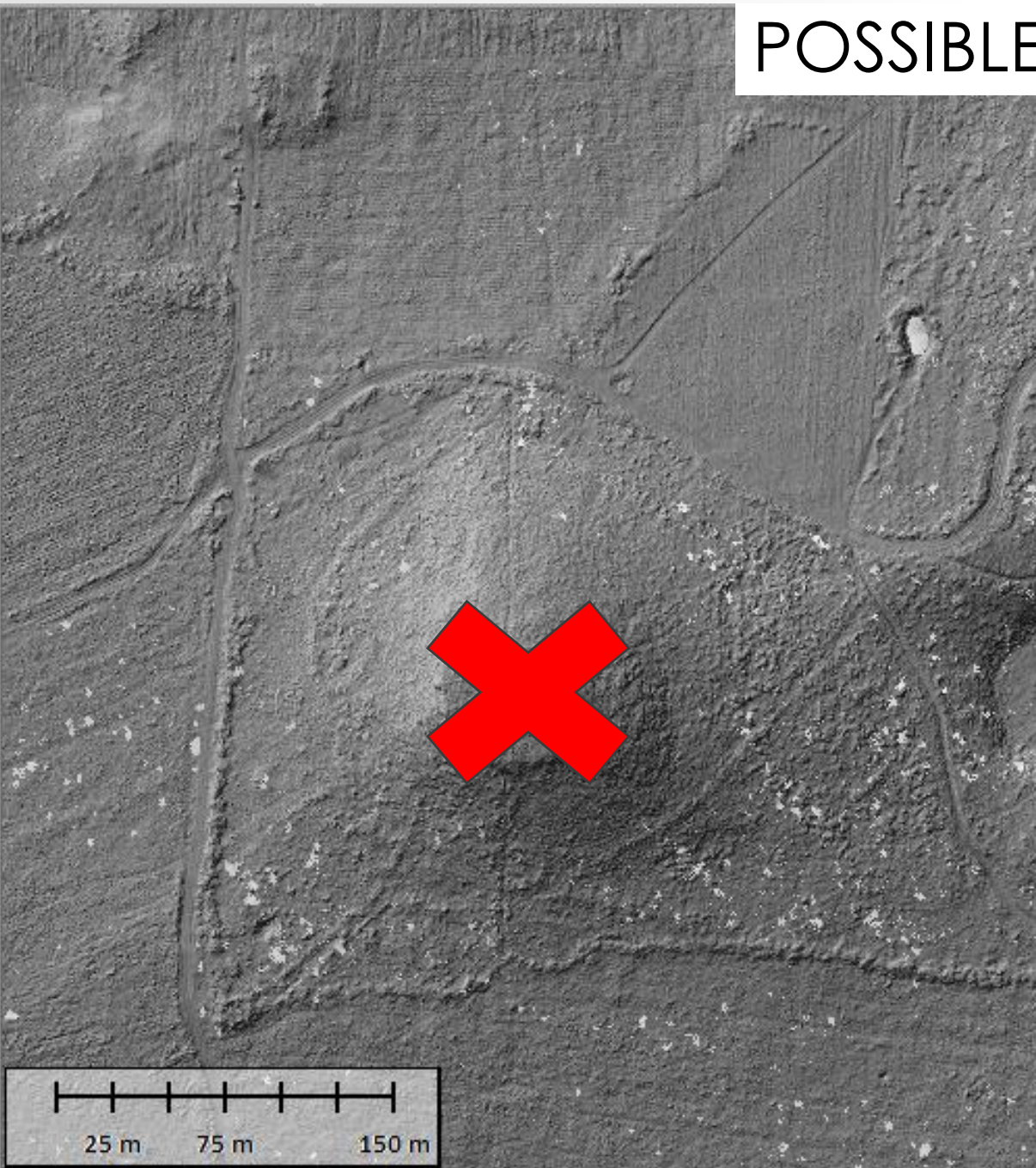


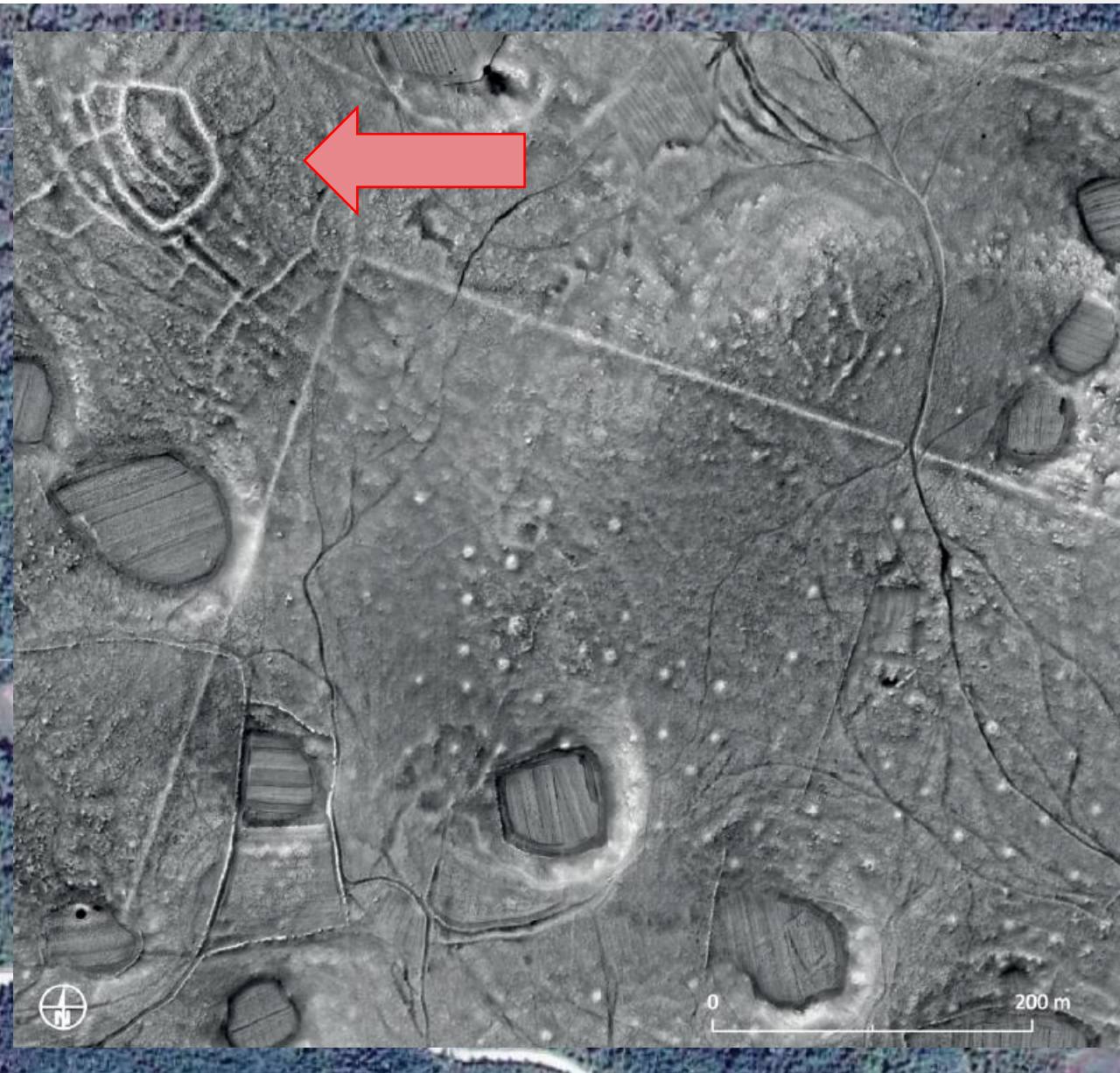
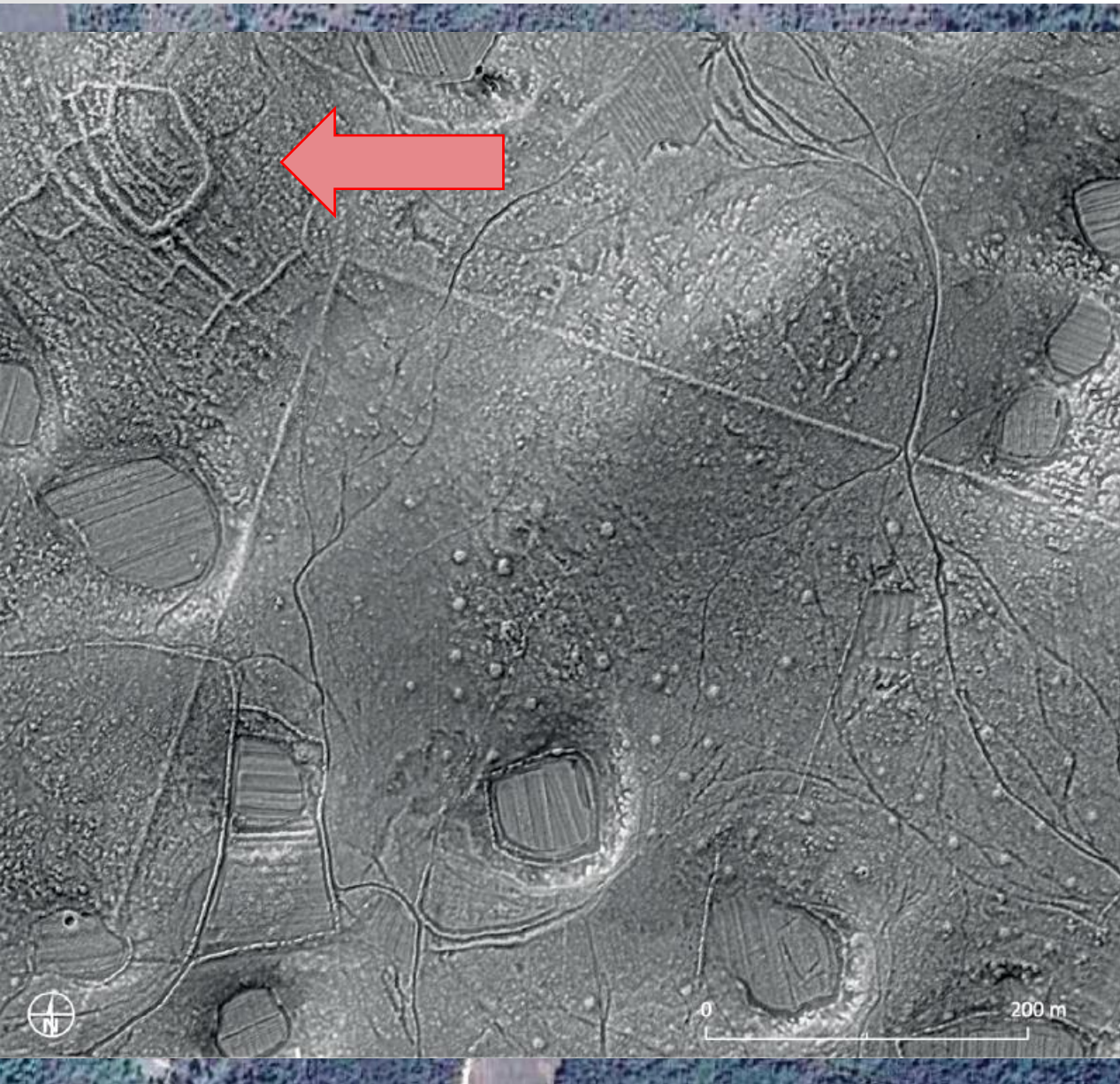






POSSIBLE HILLFORTS?



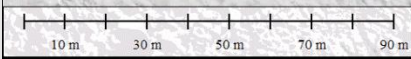
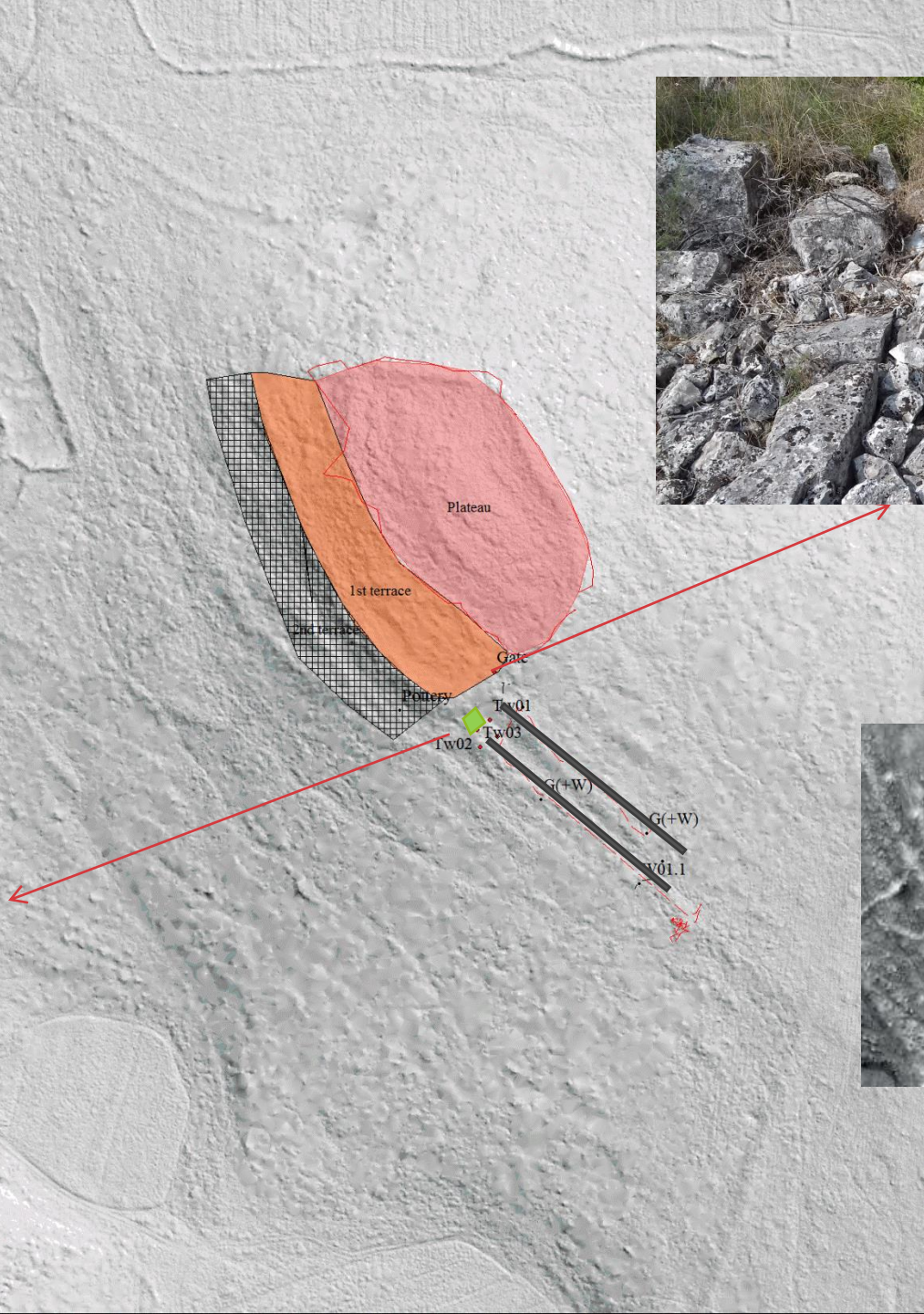


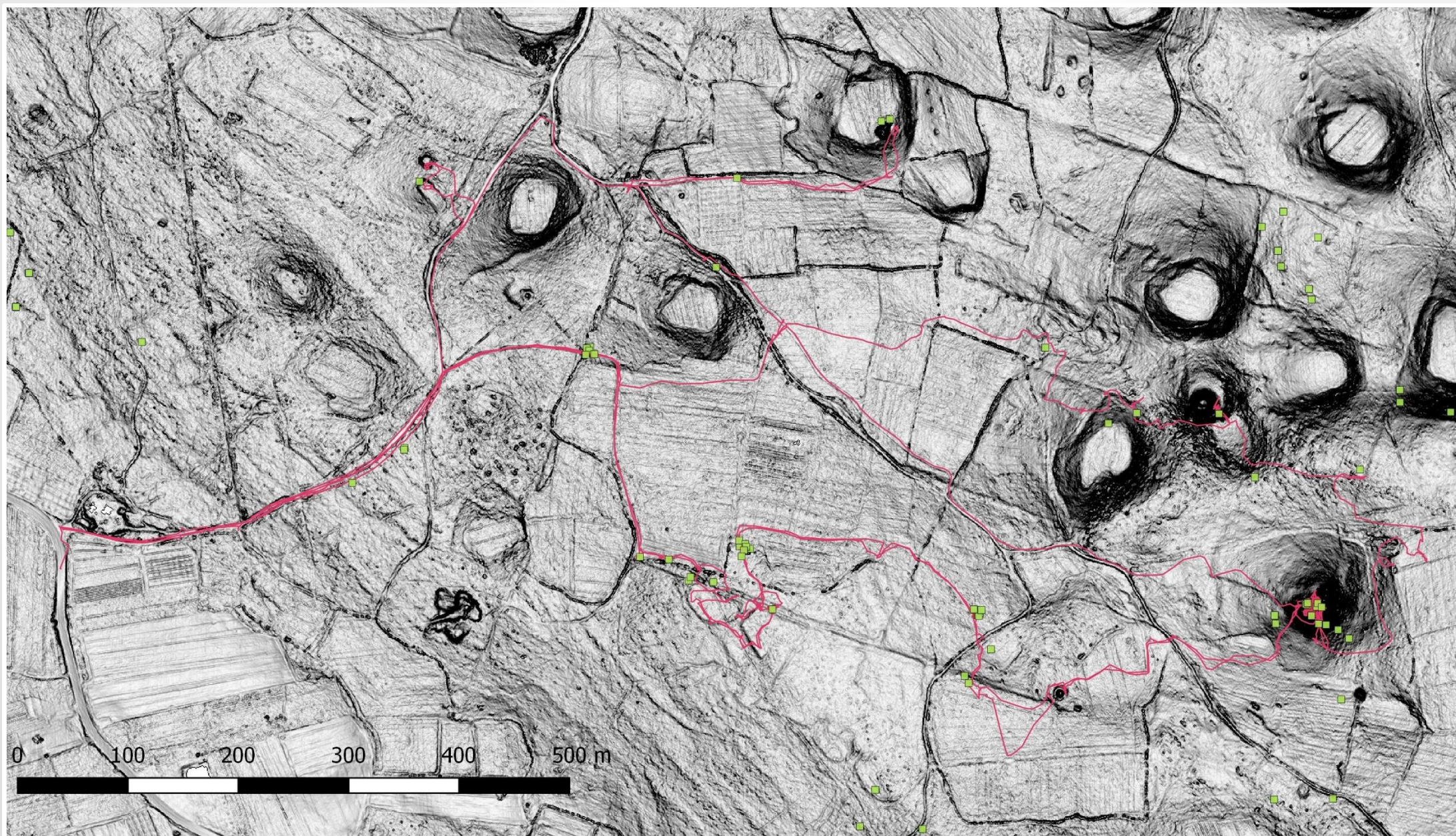
Glavica – prehistoric hillfort



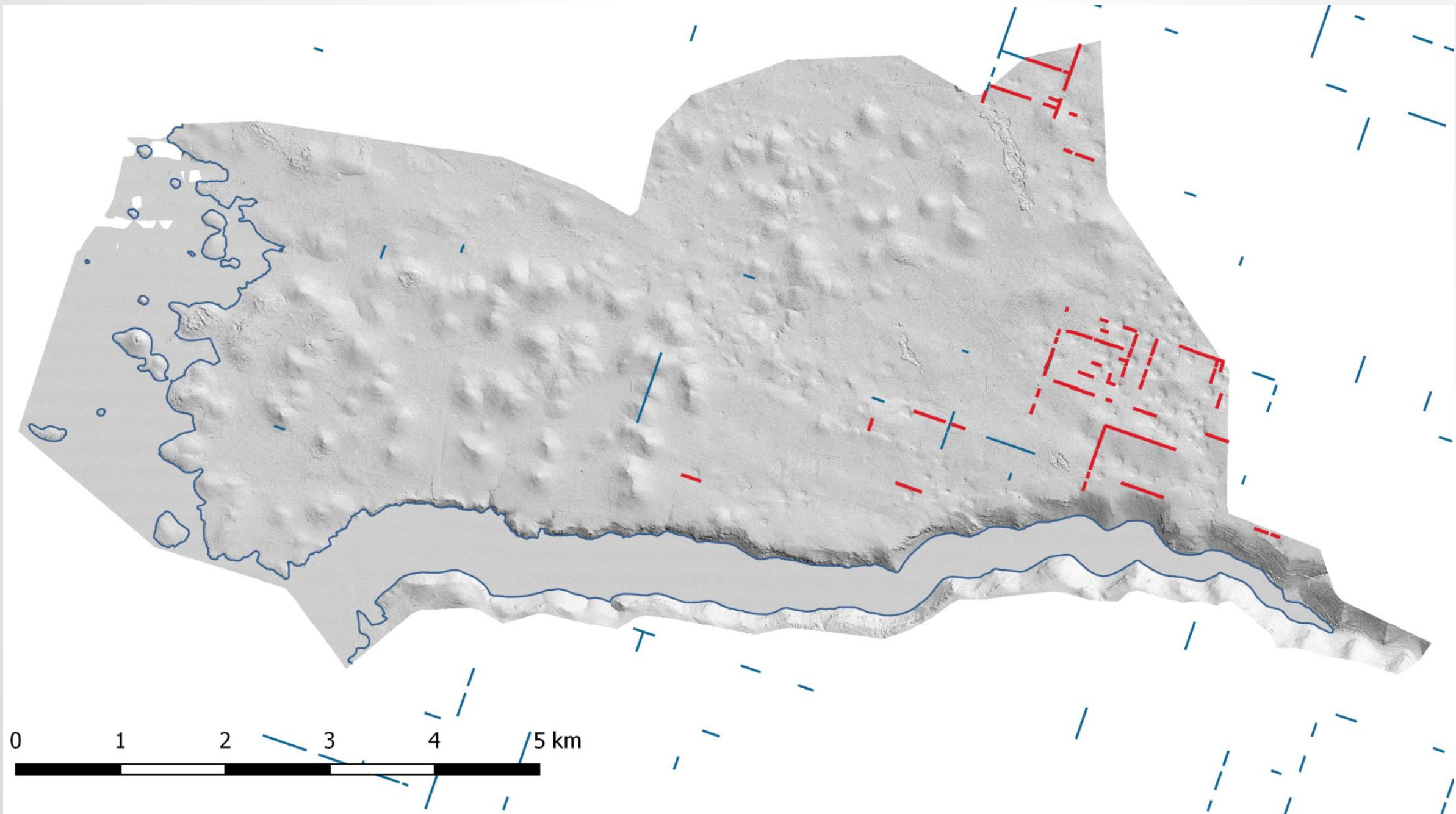
- test excavations of selected archaeological sites to gain insight into the morphology, chronology and dynamics of the sites and landscape











ELABORATION OF A GIS DATABASE by
integrating data on the archaeological
heritage resulting from field surveys, sites
identified by the analysis of aerial photographs,
Lidar and excavations.

