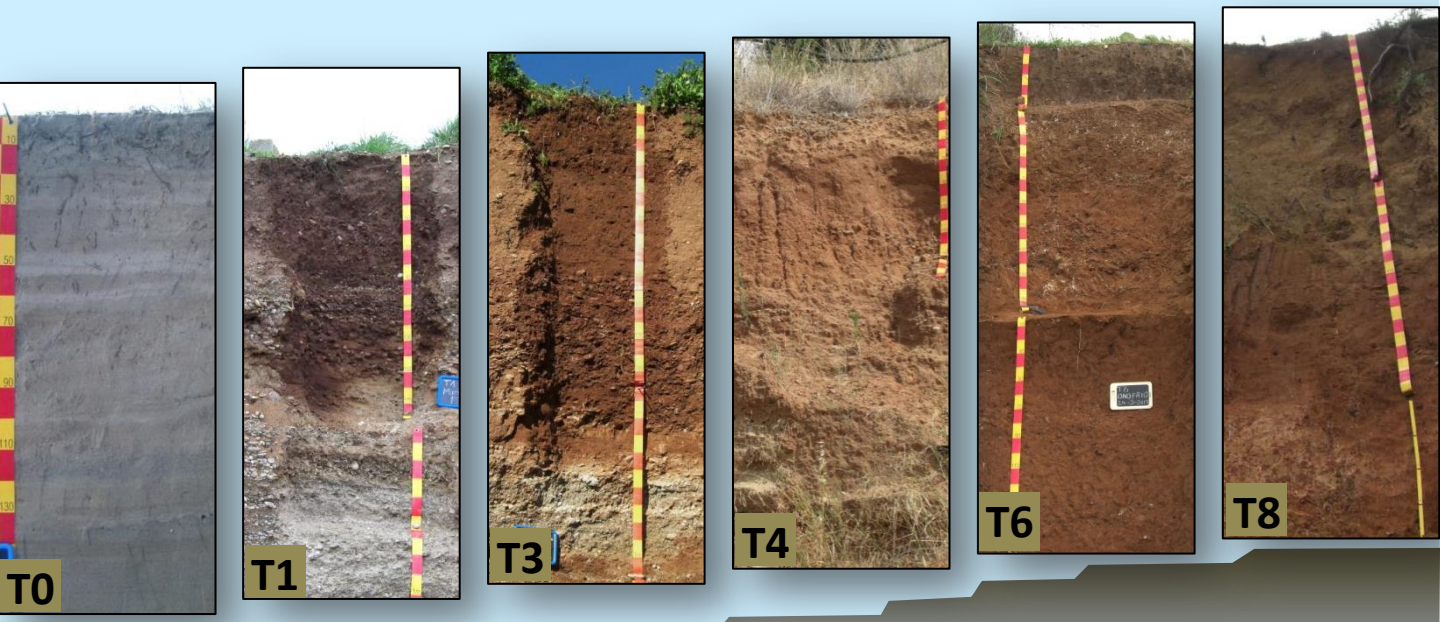
Workshop

"Rates of Soil Forming Processes in Mediterranean Climate"
24-28 September 2013 in Calabria and Basilicata, South Italy



Workshop Program

Monday, September 23: Arrival at Arcavacata di Rende

Tuesday, Sep 24 & Wednesday, Sep 25: Workshop
- each day 2 morning and 2 afternoon sessions incl. keynote talks, regular talks, discussion

Thursday, Sep 26 :
Field trip to Rossano soil chronosequence (Ionian coast of Calabria)

Friday, Sep 27 & Saturday, Sep 28:
Field trip to Metaponto soil chronosequence (Gulf of Taranto, Basilicata),
including two nights at Hermes Hotel in Policoro (arrival on Sep 26, departure on 28),
return to Cosenza in the evening of Sep 28

Sunday, September 29:
Departure from Arcavacata di Rende

Venue and start / end of field trip:
University of Calabria in Arcavacata di Rende, near Cosenza

Recommended accomodation:
Residenza SOCRATES on the campus (single room 120 Euros per week,
double room 170 Euros per week; can be booked via the workshop organizers)

Nearest airports: Lamezia Terme
airport shuttle bus to Cosenza (ca. 50 min): 30 Euros

Naples / Napoli
from Naples to Cosenza 3:00 – 4:00 hours by train

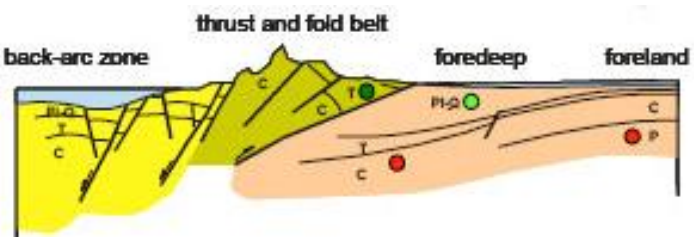
Reggio di Calabria
from Reggio di Calabria to Cosenza 3:00 – 3:30 hours by train

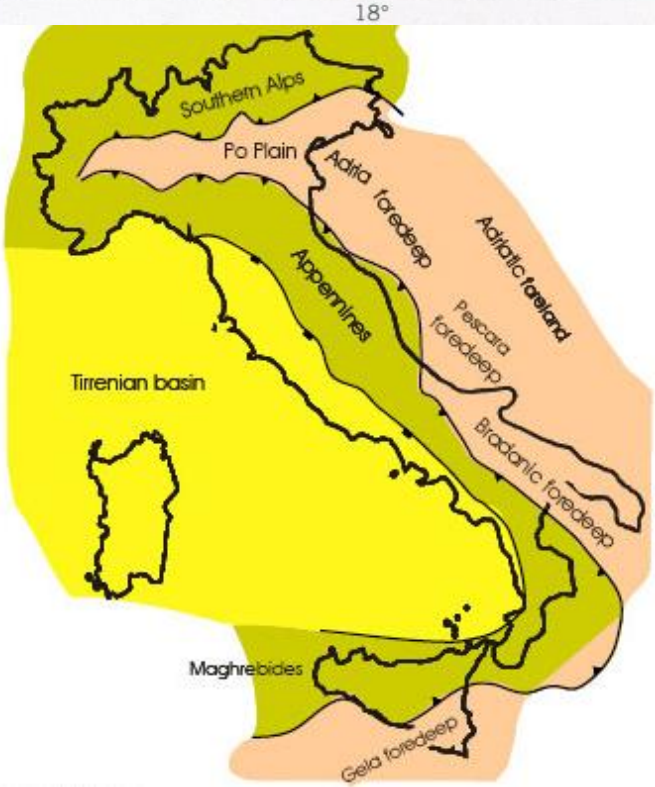
Metaponto terrace seqence area (rectangle)

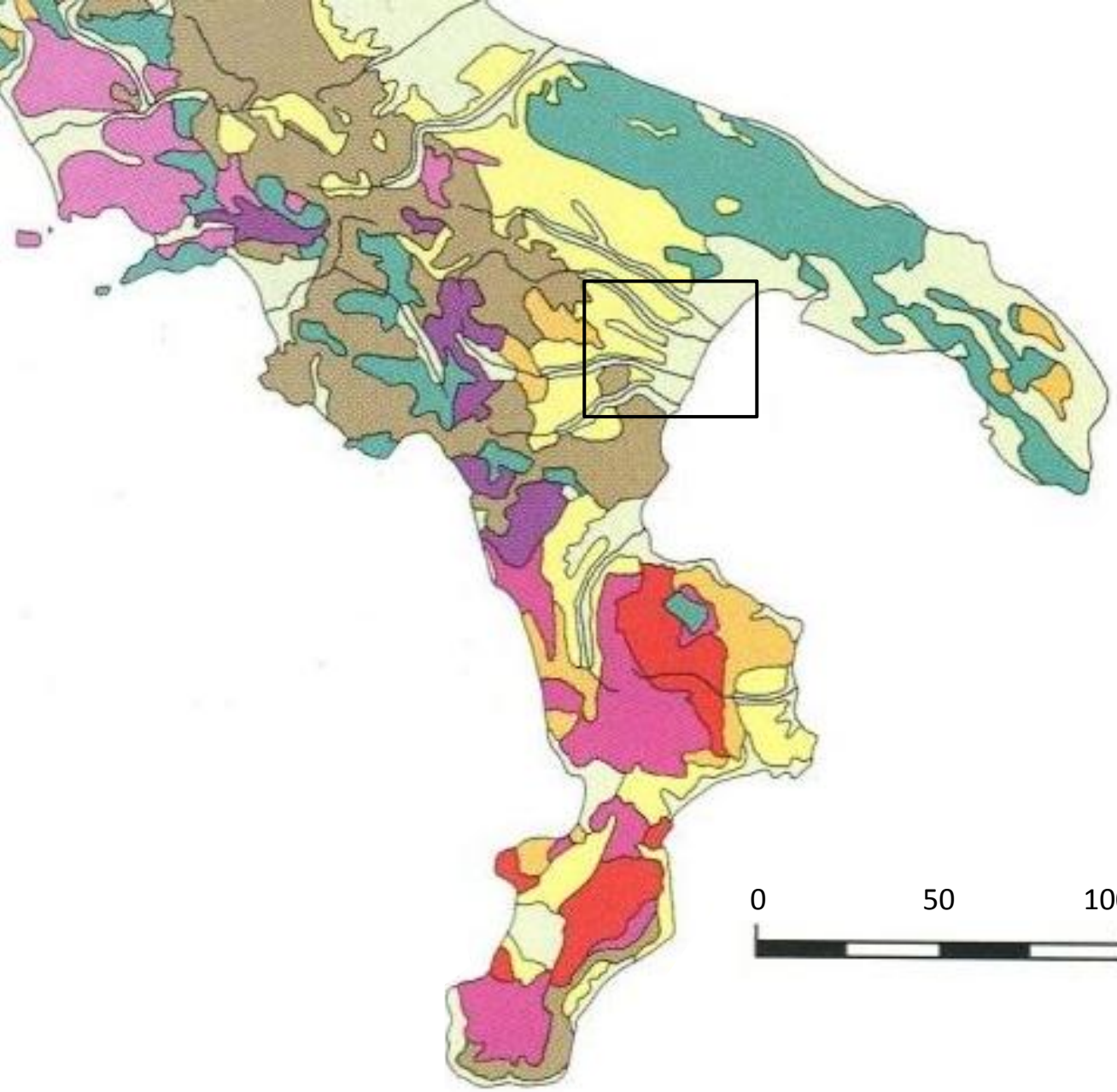
The Metaponto terrace sequence is located in the Bradanic foredeep – where the African plate meets the Eurasian one.

Tectonic uplift produced a flight of eleven Middle to Late Pleistocene marine terraces.

The soil profiles are located SW of the river Basento.





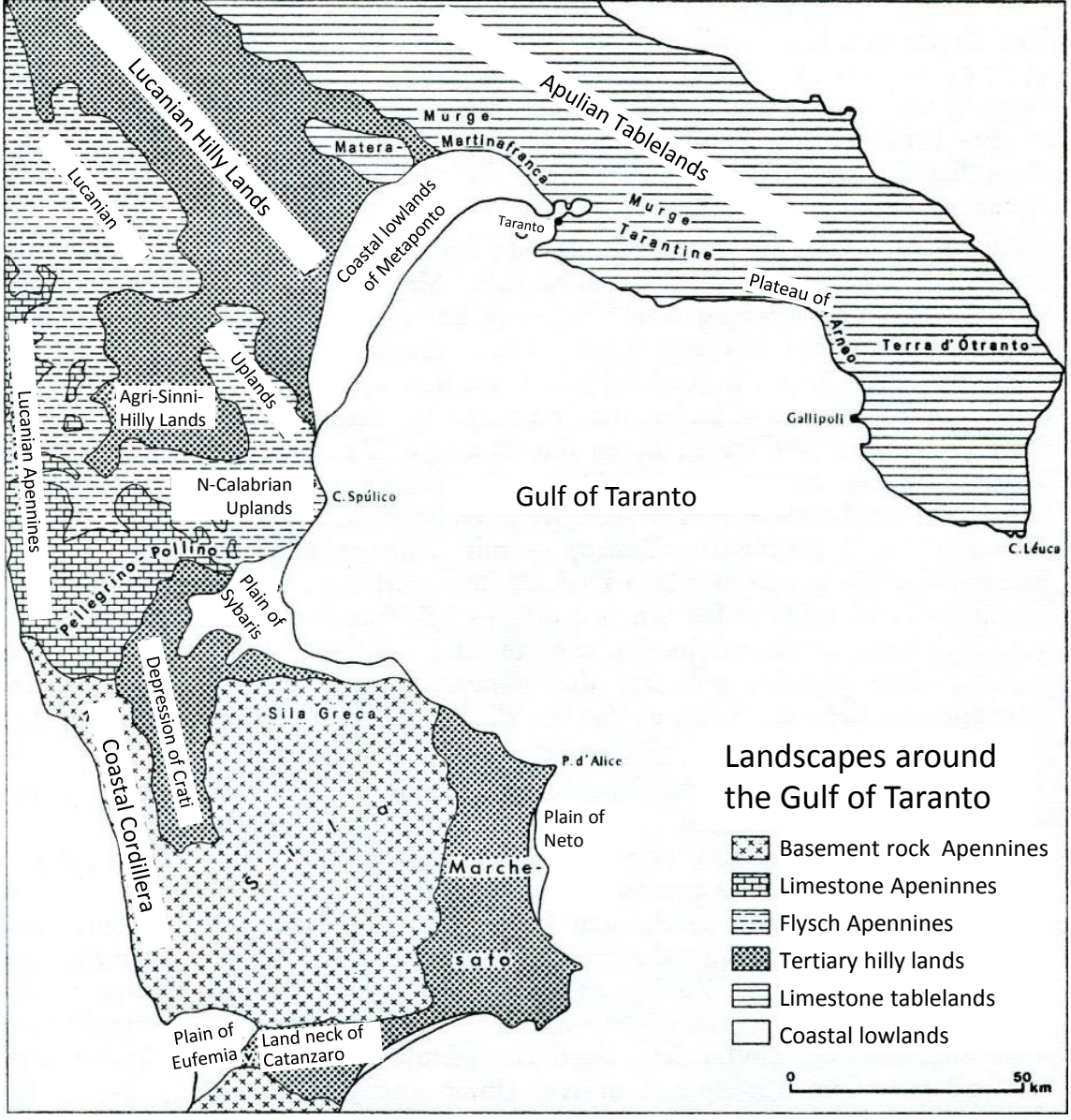


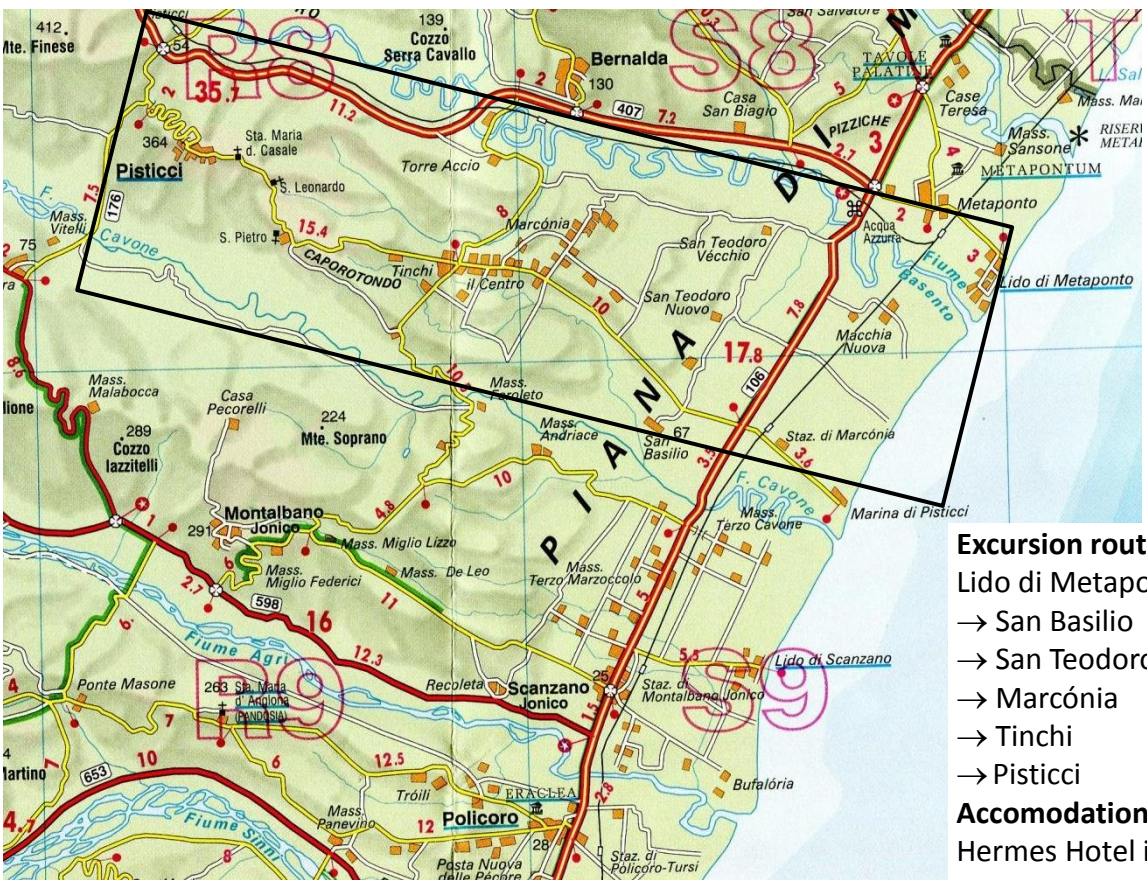
Geology and predominant rock types

	Quaternary	*fluvial and marine sediments (sand, gravel, loam)*
	Pliocene	*clay, sand, conglomerate*
	Miocene	*sand, marl, limestone, calcarenite, gypsum*
	Upper Cretaceous – Oligocene	*claystone, sandstone, limestone, flysch*
	Upper Jurassic – Paleogene	*schuppen zone: scaly clay („argille scagliose"), ophiolite, turbidite, olistostrome*
	Jurassic – Cretaceous	*limestone, marl, flint containing limestone*
	Triassic	*limestone, dolomite, sandstone*
	Paleozoic	*limestone, sandstone, schist*

Intrusive, effusive and metamorphic rock of various age

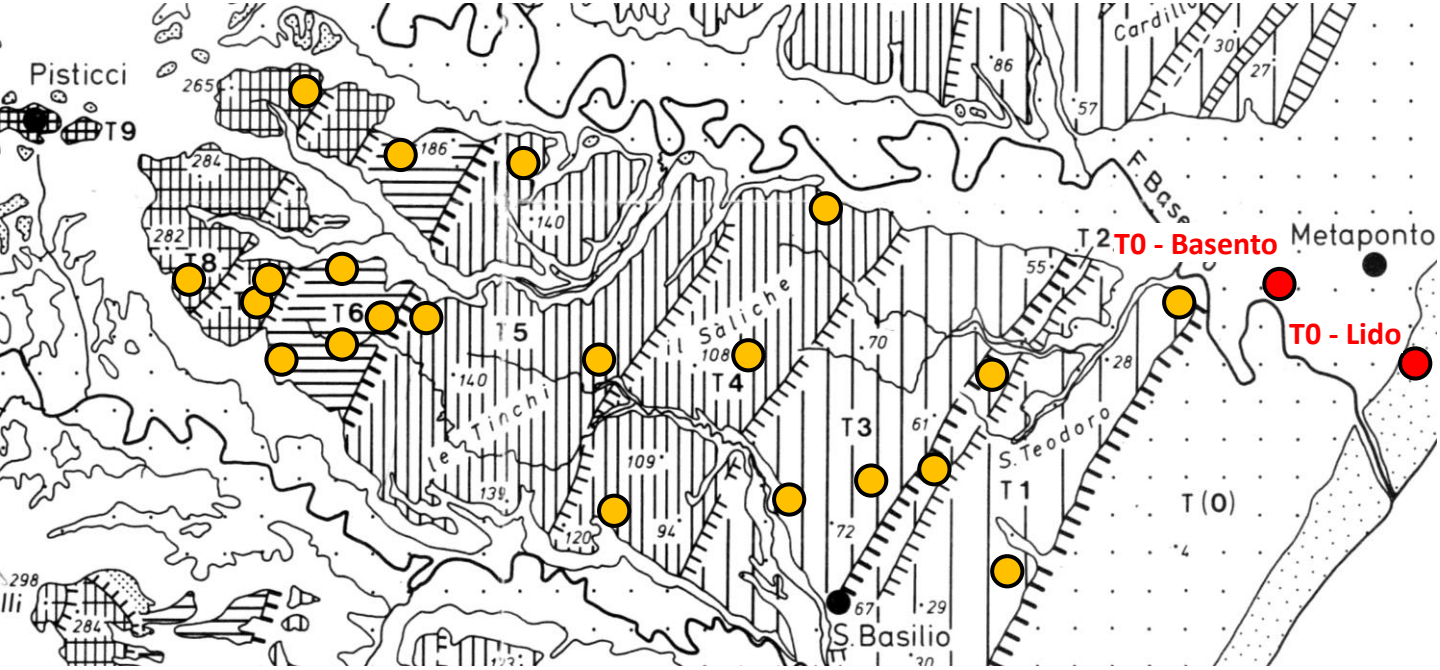
- schist, gneiss
- granite, diorite
- porphyry, volcanic rock
- Mesozoic extrusive igneous rock, greenstone
- lava and pumice





Excursion route:
Lido di Metaponto
→ San Basilio
→ San Teodoro Nuovo
→ Marcónia
→ Tinchi
→ Pisticci

Accomodation:
Hermes Hotel in Policoro

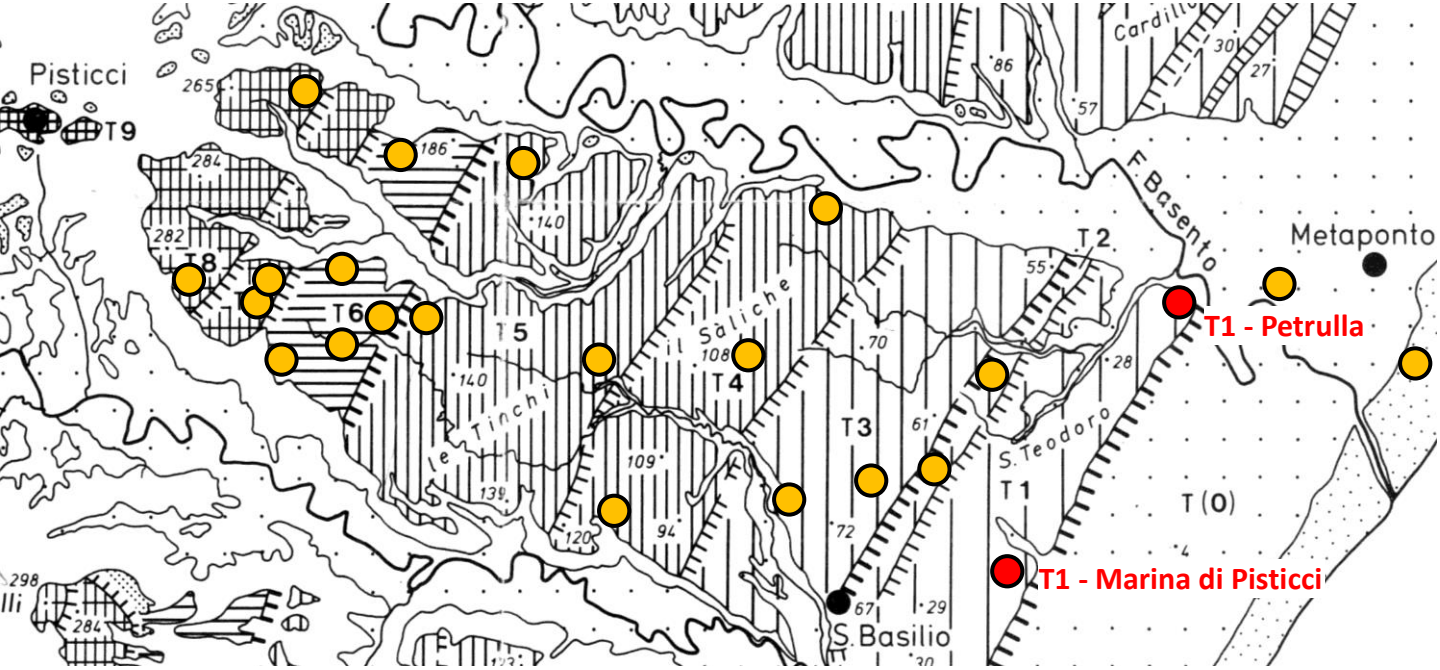

Pisticci
T9
T8
T6
T5
T4
T3
T2
T1
T (0)
T0 - Basento
T0 - Lido
Metaponto
S. Basilio
S. Teodoro
Le Tinchi
Saliche
Cardillo


T0 – Lido (beach)


Lido di
Metaponto
T0 7.4.06

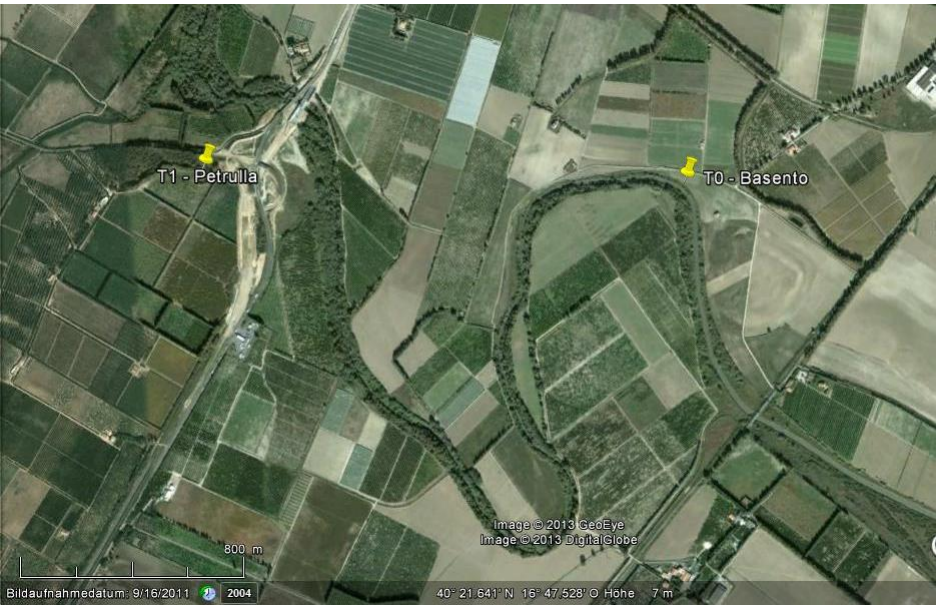

T0 – Basento (alluvial plain)

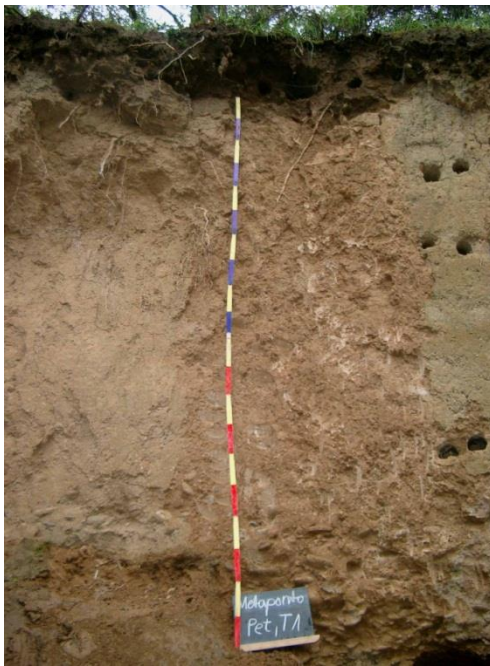

Metaponto
Met, T0

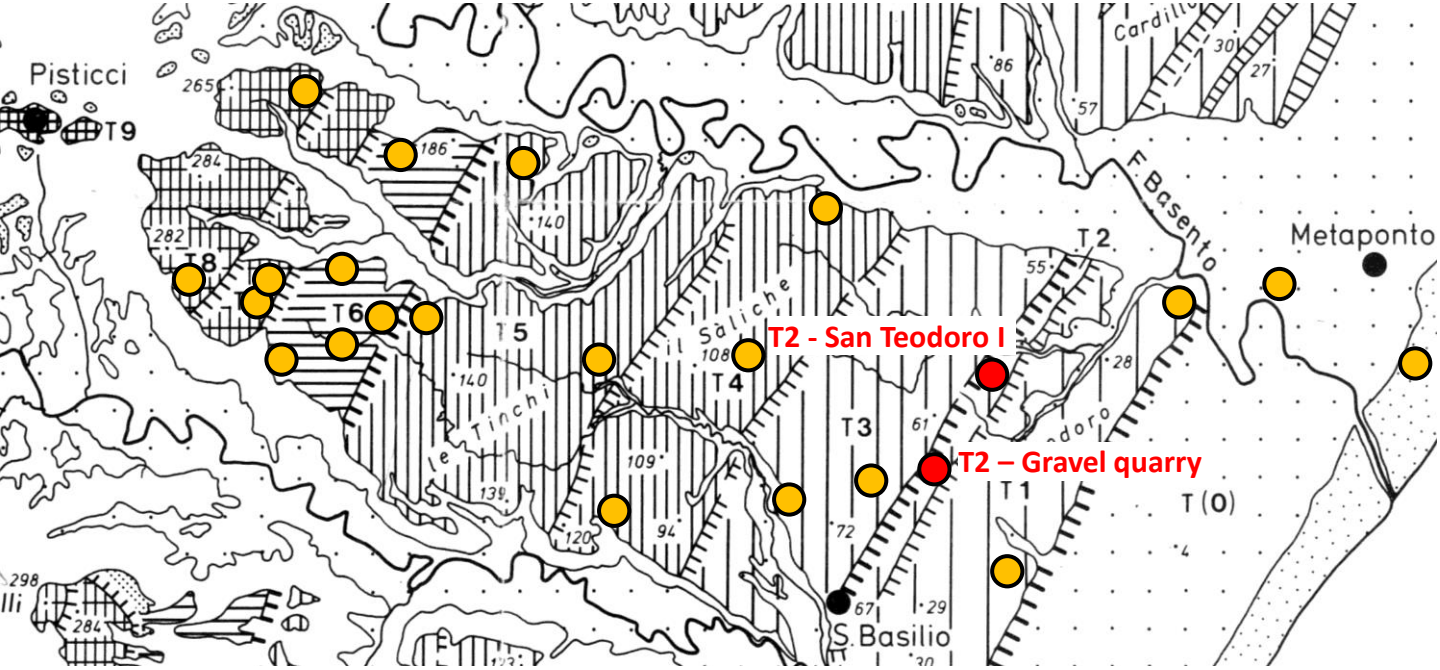


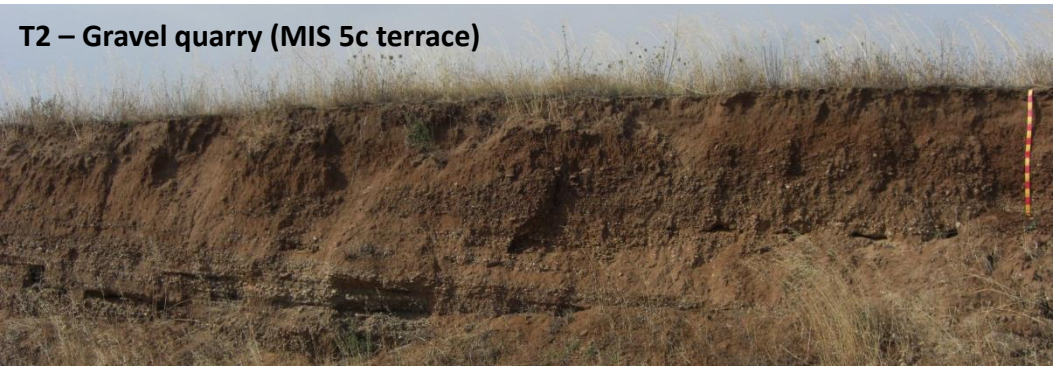
T1 - Marina di Pisticci (MIS 5a Terrace)

T1 – Petrulla (MIS 5a terrace with 2m-thick sandy loess cover)



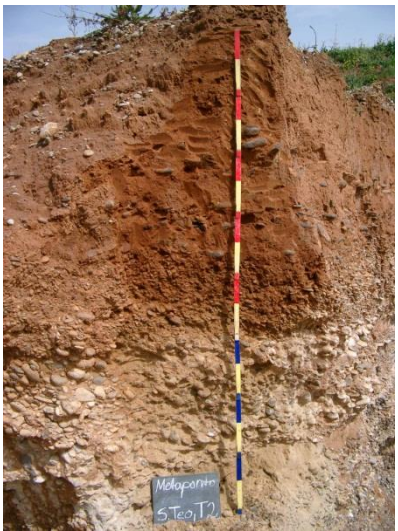


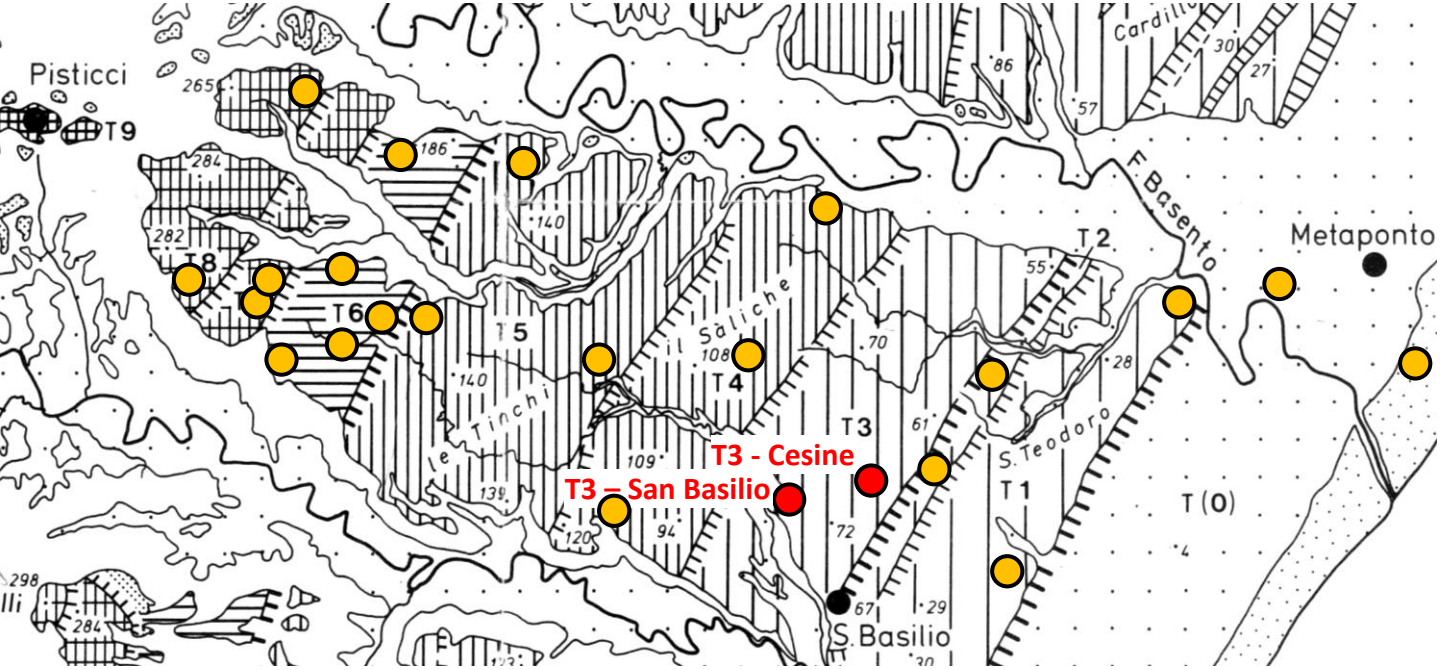


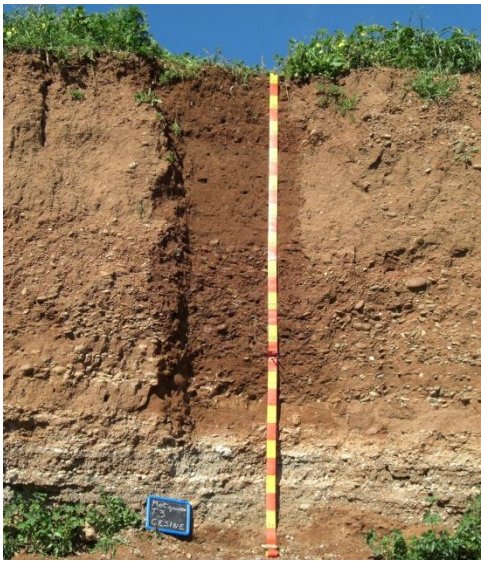


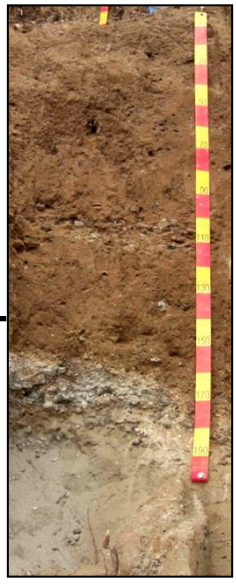
T2 - San Teodoro I (loess-like cover)

T2 - San Teodoro I (terrace body)

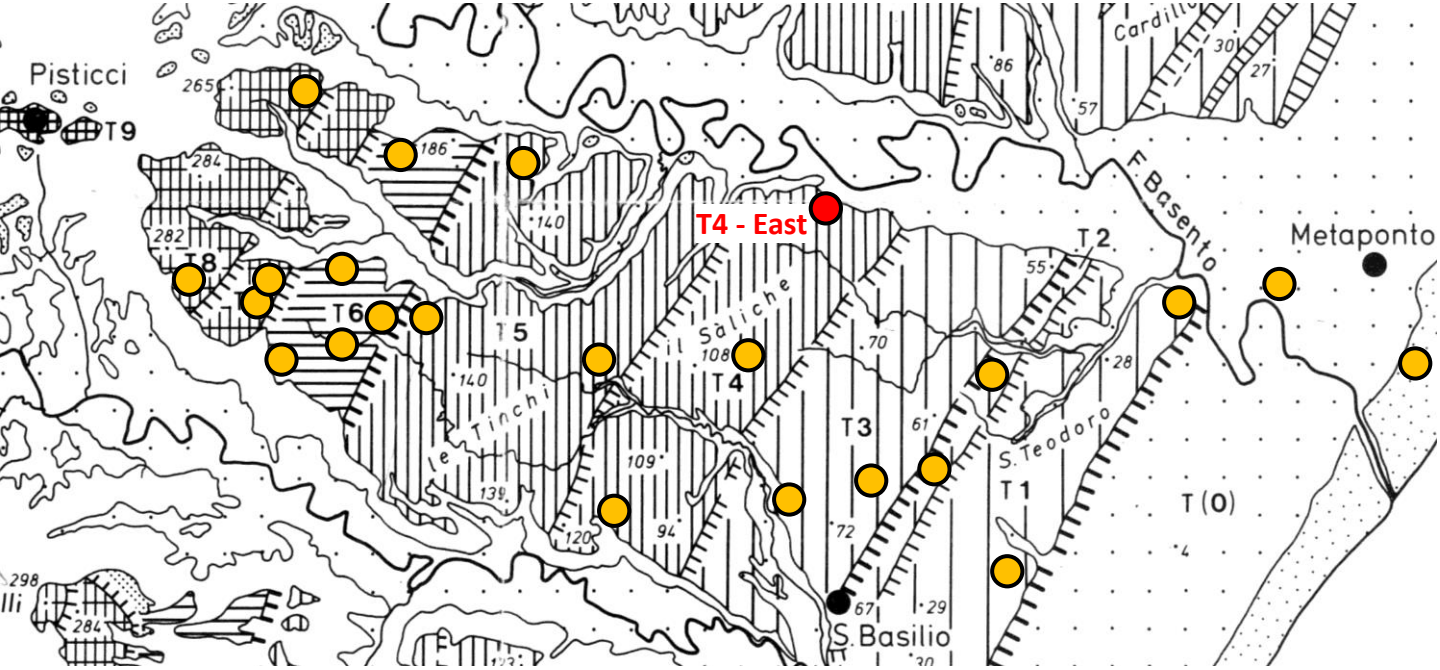


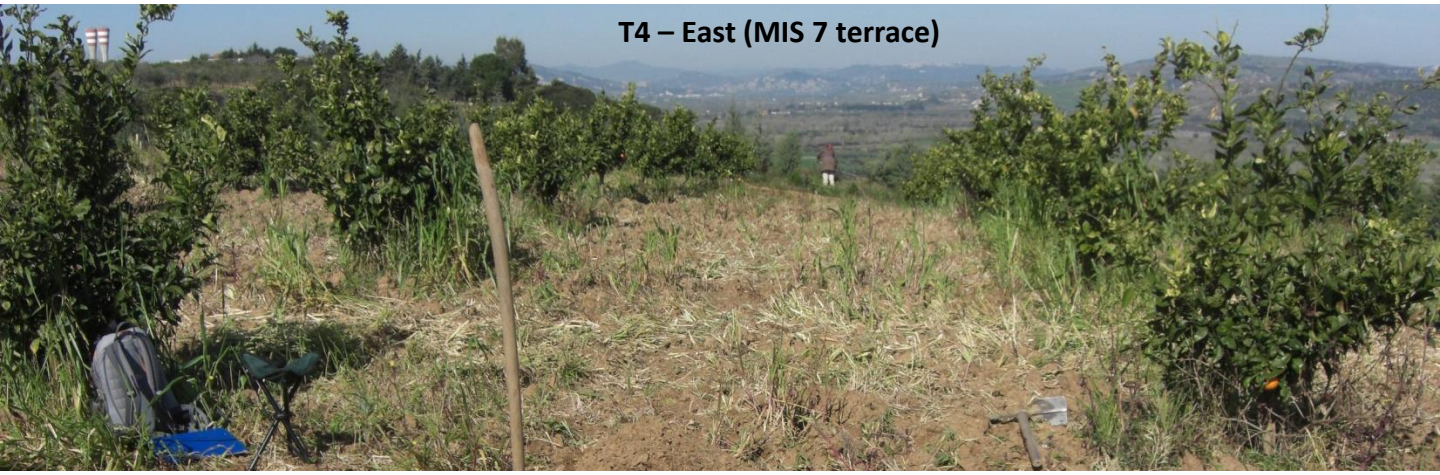


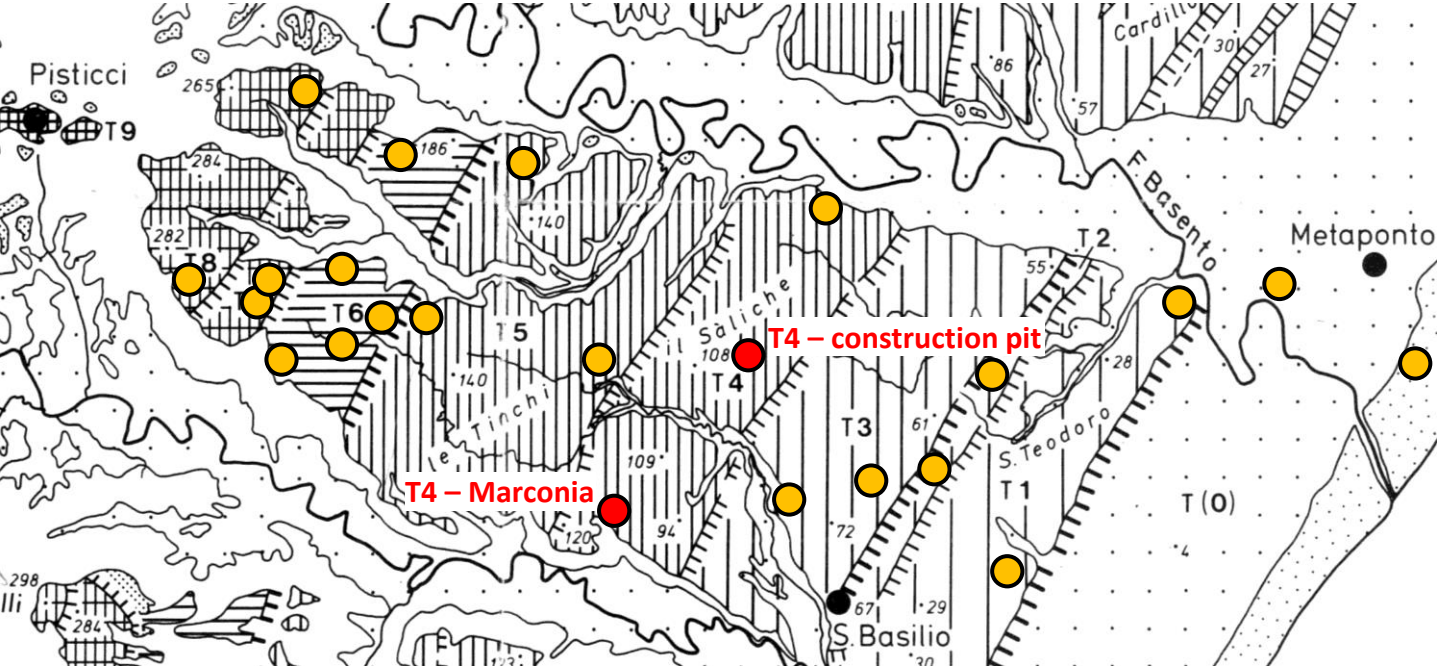




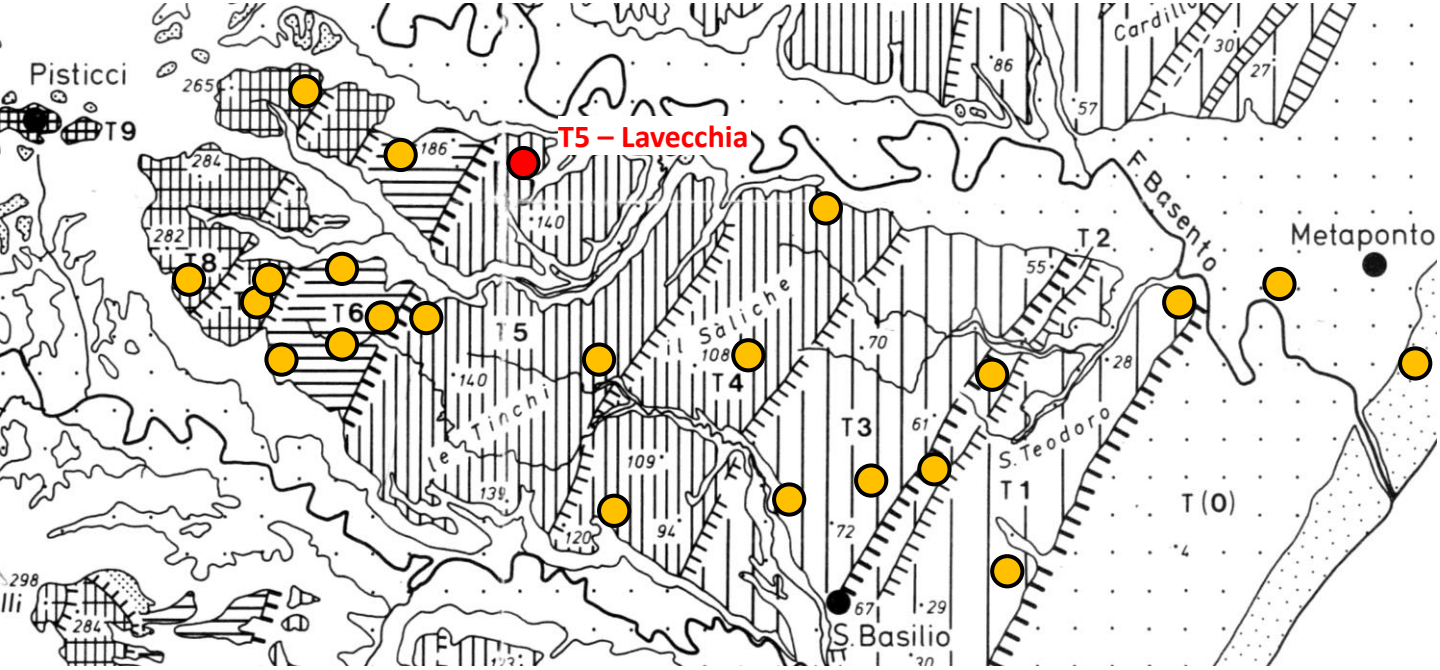
T3 – San Basilio (MIS 5e terrace with sandy loess-like cover which caused recarbonatization)


Pisticci
T9
T8
T6
T5
T4
T3
T2
T1
T (0)
T4 - East
Le Tinchi
Saliche
F. Basento
Metaponto
S. Teodoro
S. Basilio
Cardillo

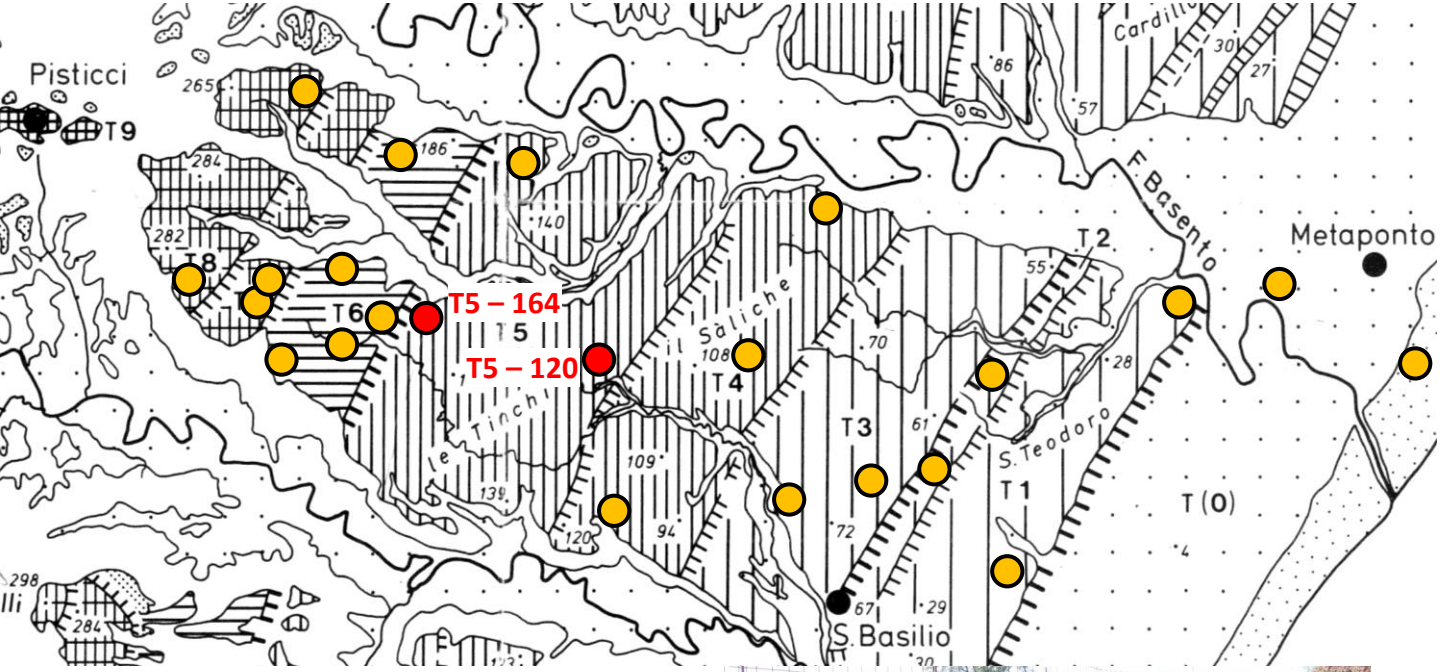

T4 – East (MIS 7 terrace)

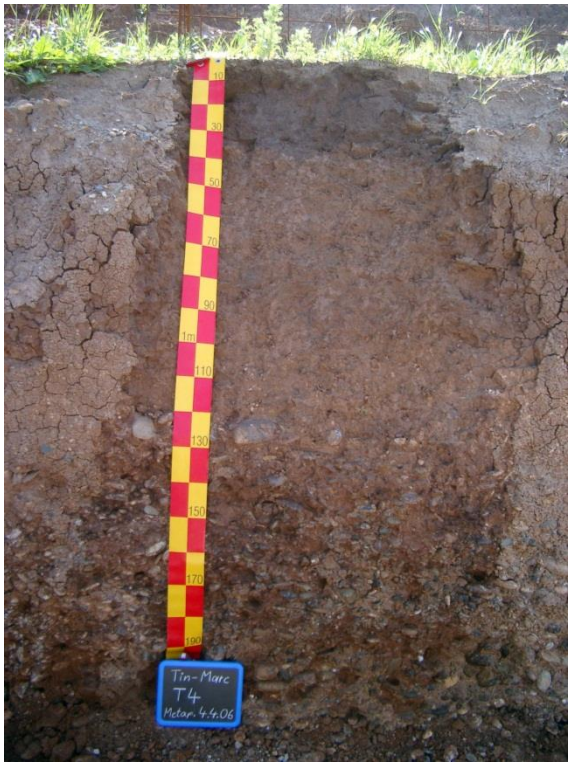


T4 – Marconia (MIS 7 terrace)


T5 – Lavecchia
Pisticci
T9
T8
T6
T5
T4
T3
T2
T1
T (0)
Le Tinchi
Saliche
F. Basento
Metaponto
S. Teodoro
S. Basilio
Cardillo

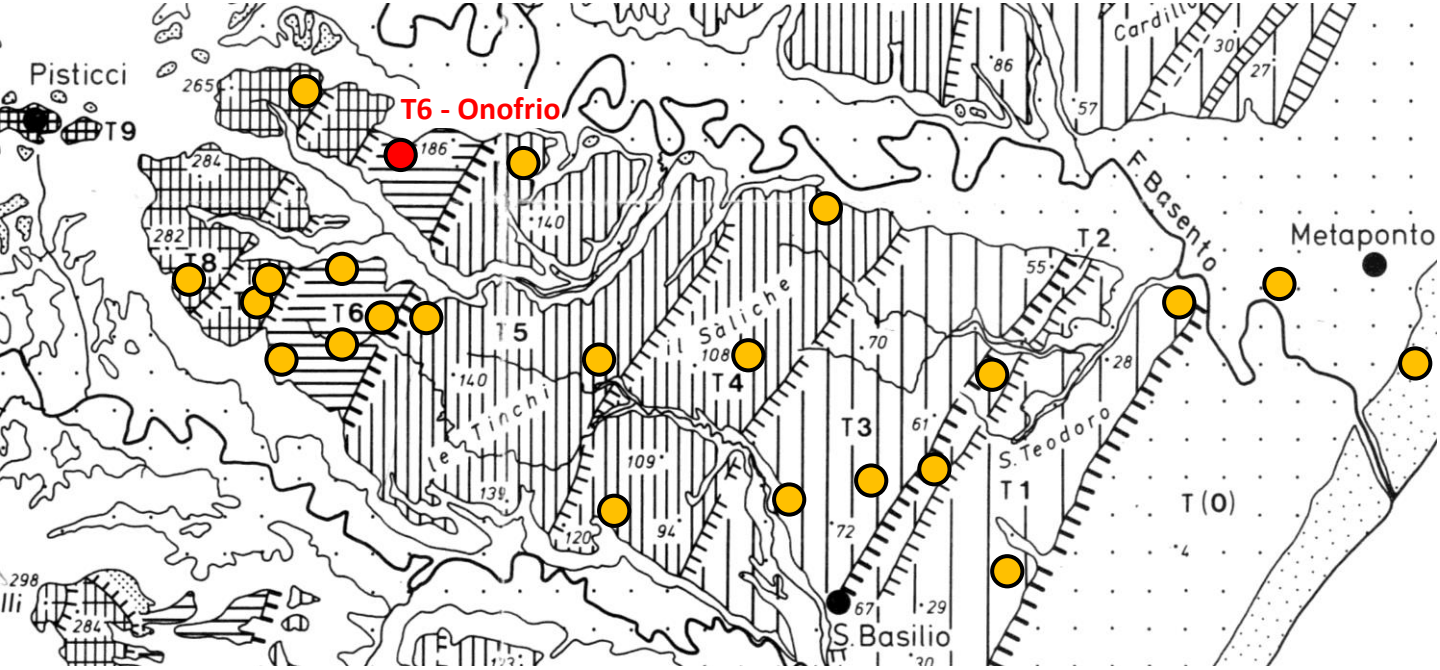

T5
Lavecchia II
21-3-2013



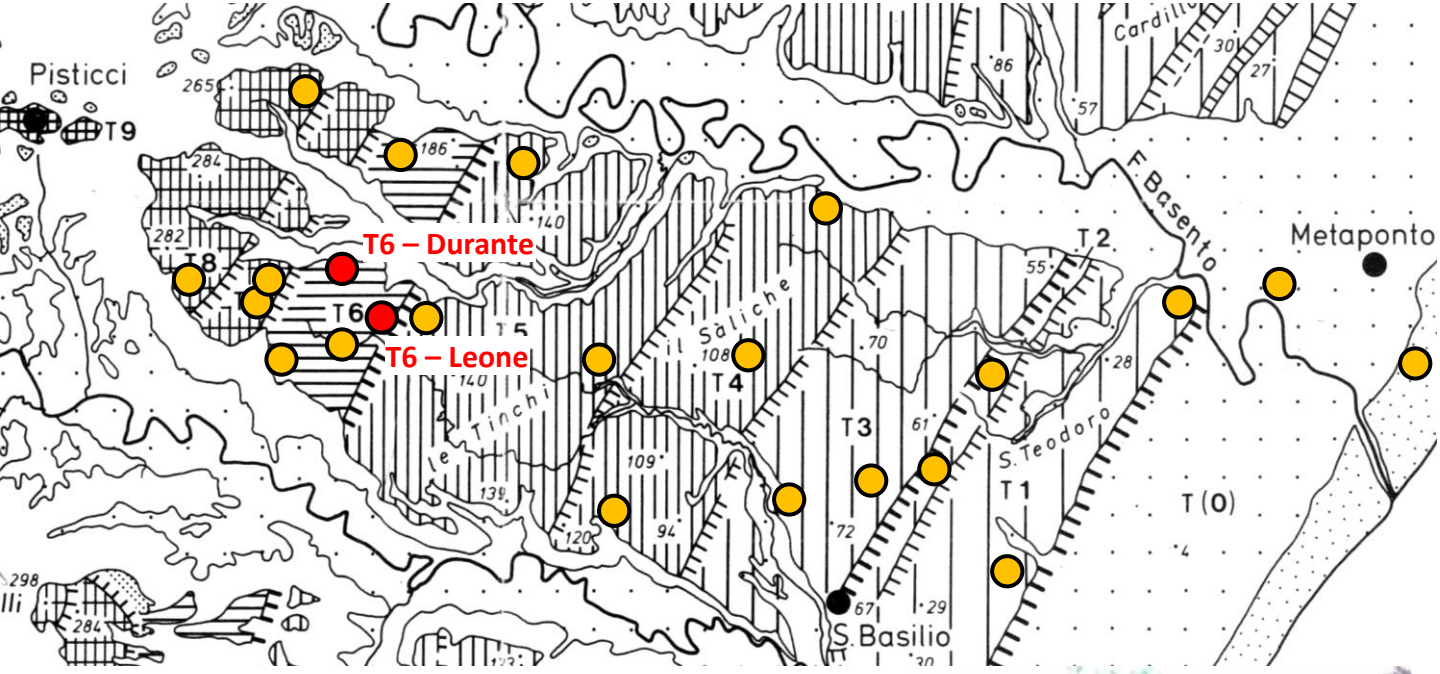


T5 – 120
(MIS 9 terrace with alluvial loam cover)

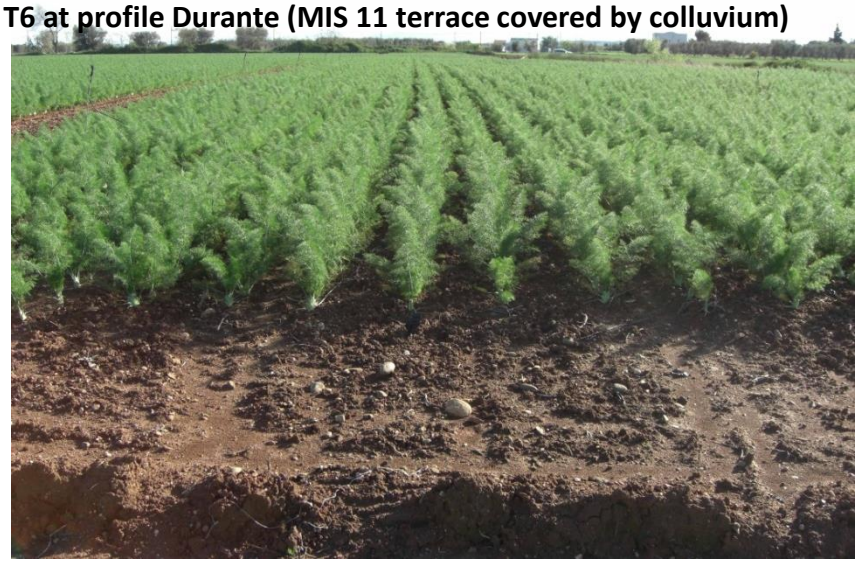
T5 – 164 (MIS 9 terrace covered by colluvium from next upper terrace)


Pisticci
T9
T6 - Onofrio
T8
T6
T5
T4
T3
T2
T1
T (0)
Le Tinchi
Saliche
F. Basento
Metaponto
S. Teodoro
S. Basilio
Cardillo

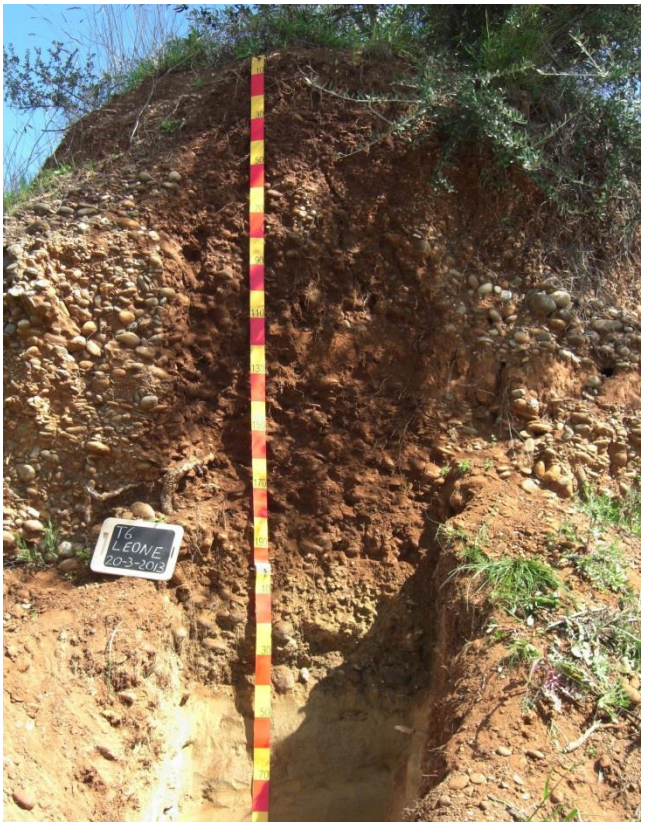

T6
ONOFRIO



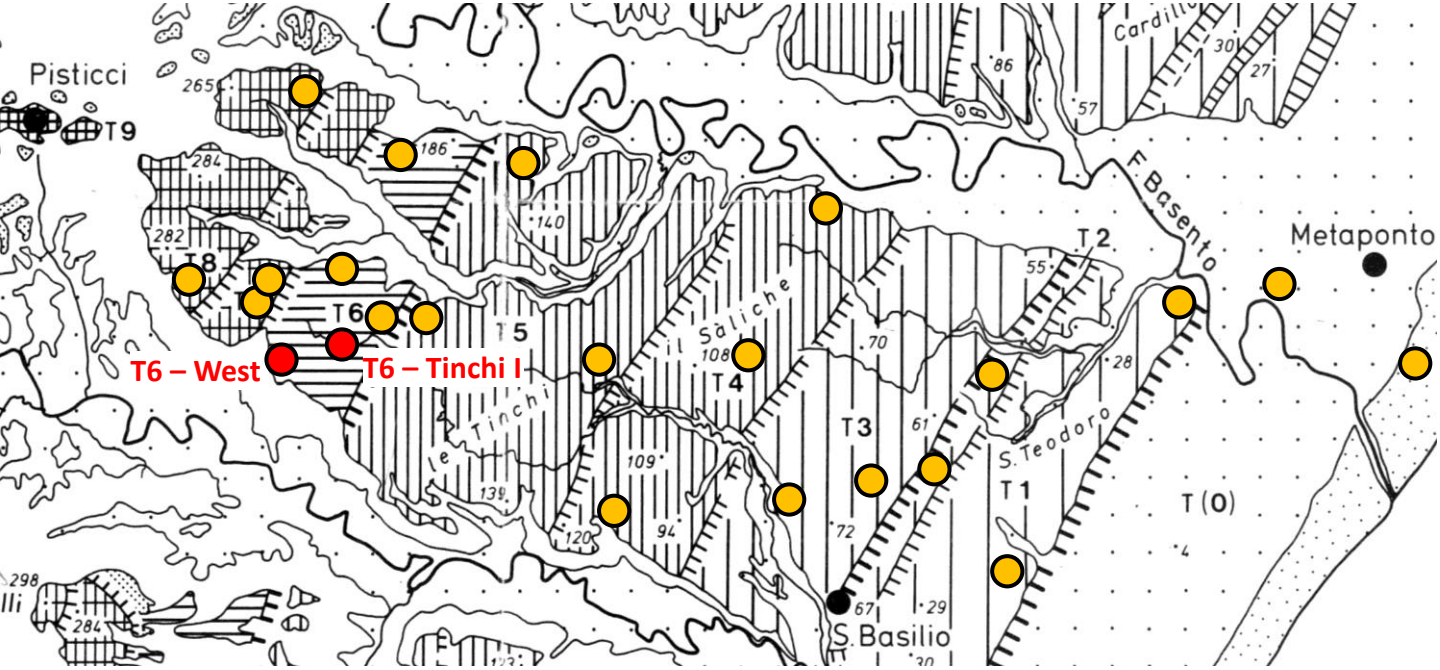
T6 at profile Durante (MIS 11 terrace covered by colluvium)



T6 – Durante

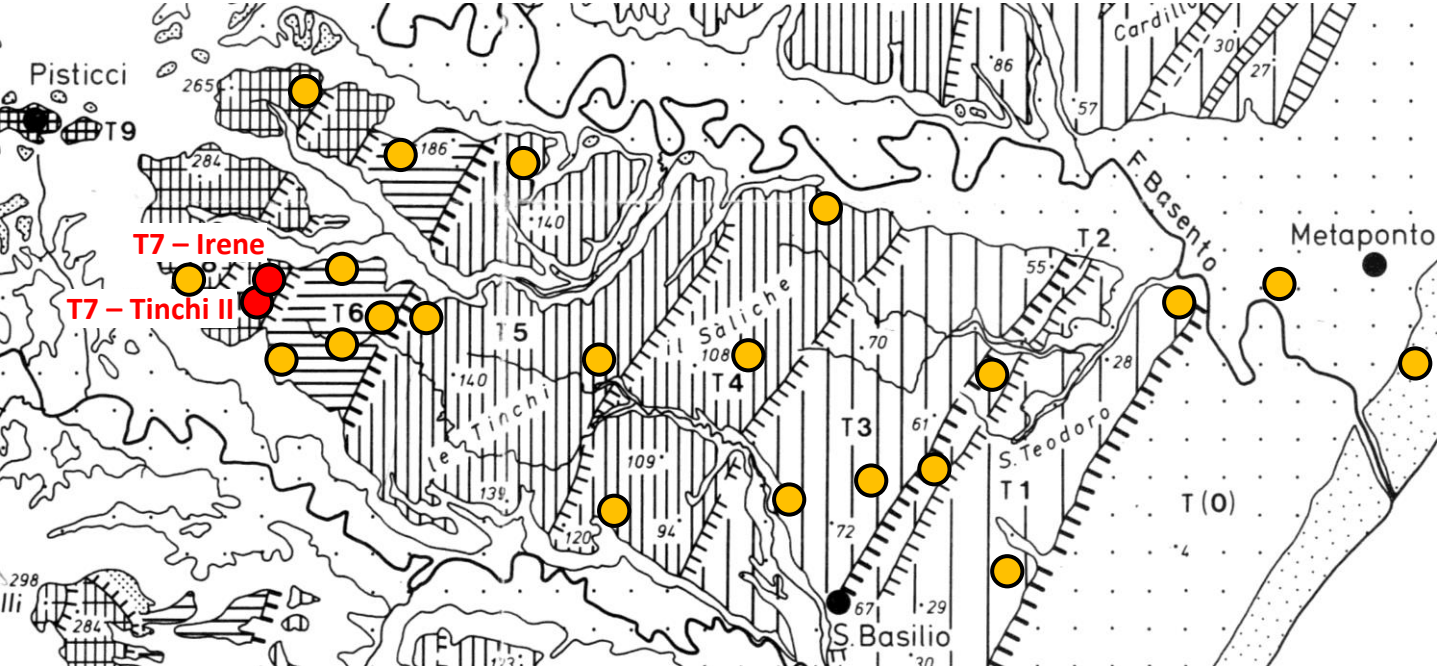


T6 – Leone



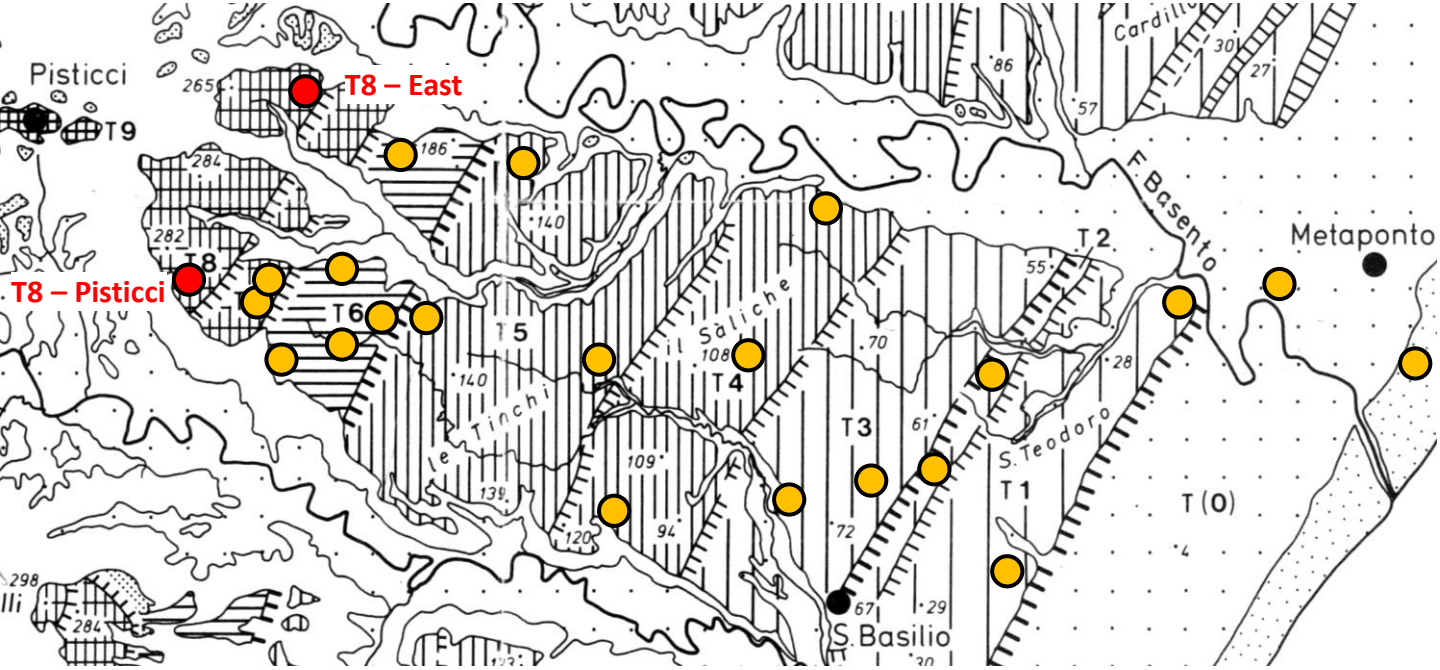
T6 – West (MIS 11 sandy terrace covered by colluvium)

T6 – Tinchi I (MIS 11 sandy-gravelly terrace covered by alluvial loam, eroded profile)

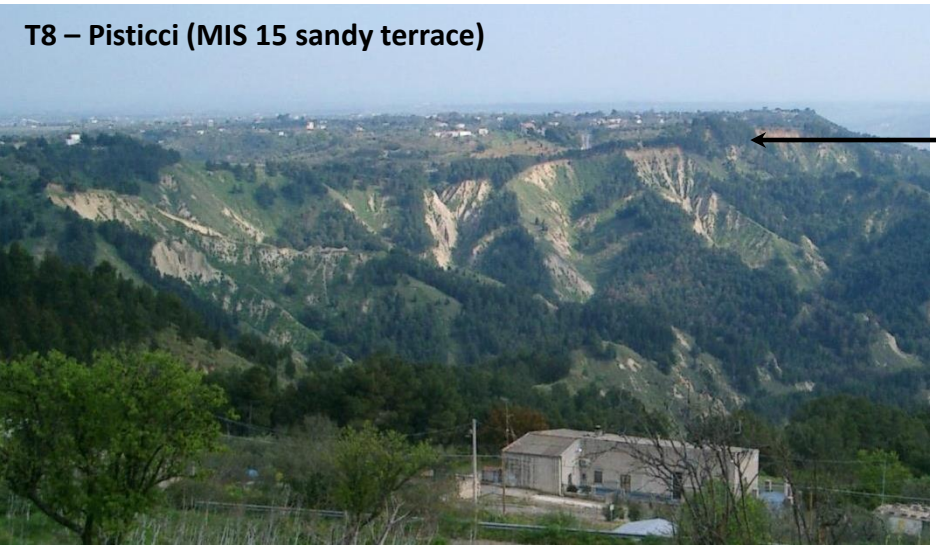


T7 – Irene (MIS 13 terrace, covered by colluvium)

T7 – Tinchi II (MIS 13 terrace, covered by alluvial loam)


Pisticci
T8 – East
T9
T8
T8 – Pisticci
T6
T5
T4
T3
T2
T1
T (0)
Le Tinchi
Saliche
F. Basento
Metaponto
S. Teodoro
S. Basilio
Cardillo


T8 – East (MIS 15 sandy terrace, covered by thick colluvium)


T8 – Pisticci (MIS 15 sandy terrace)