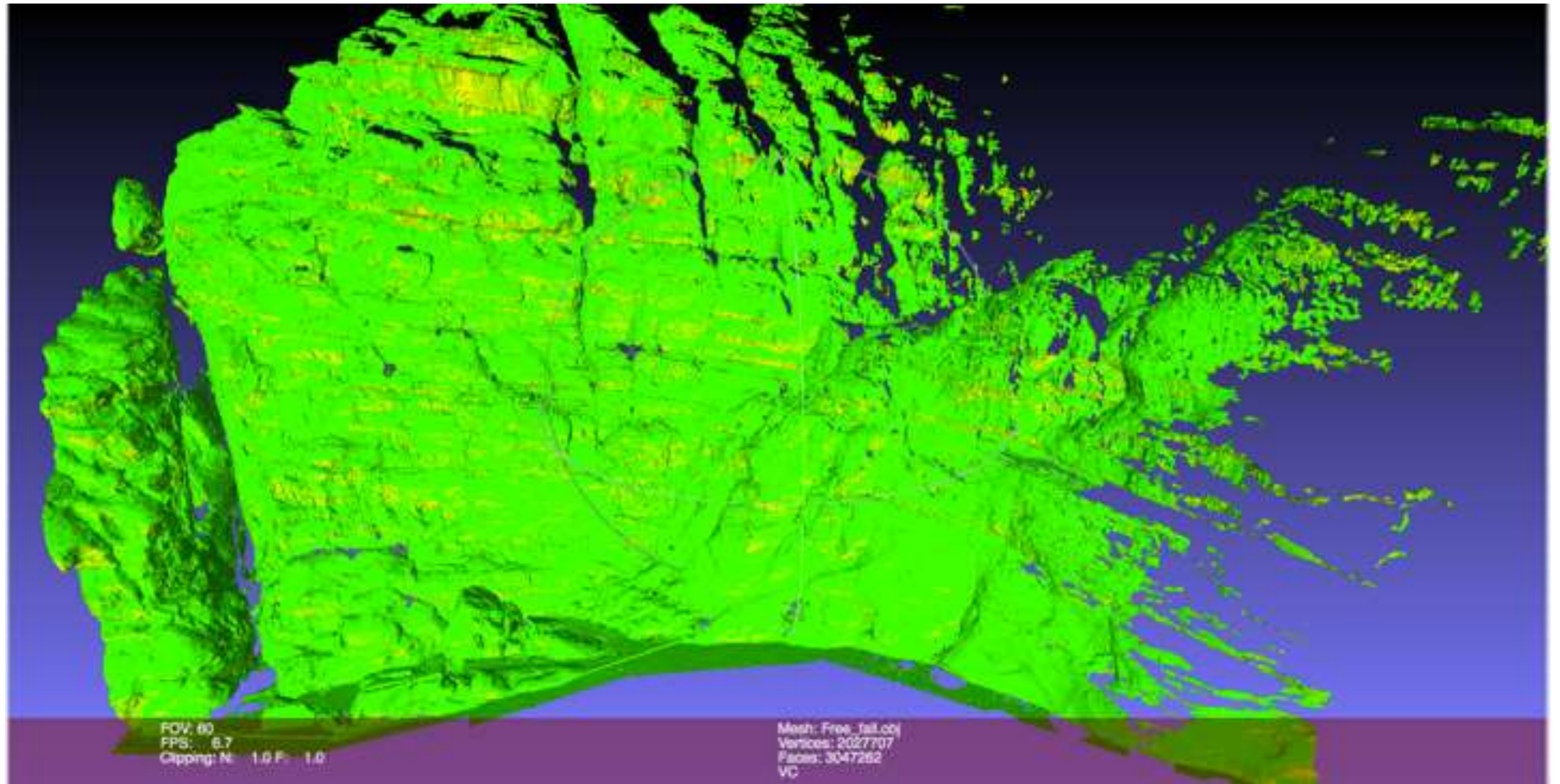
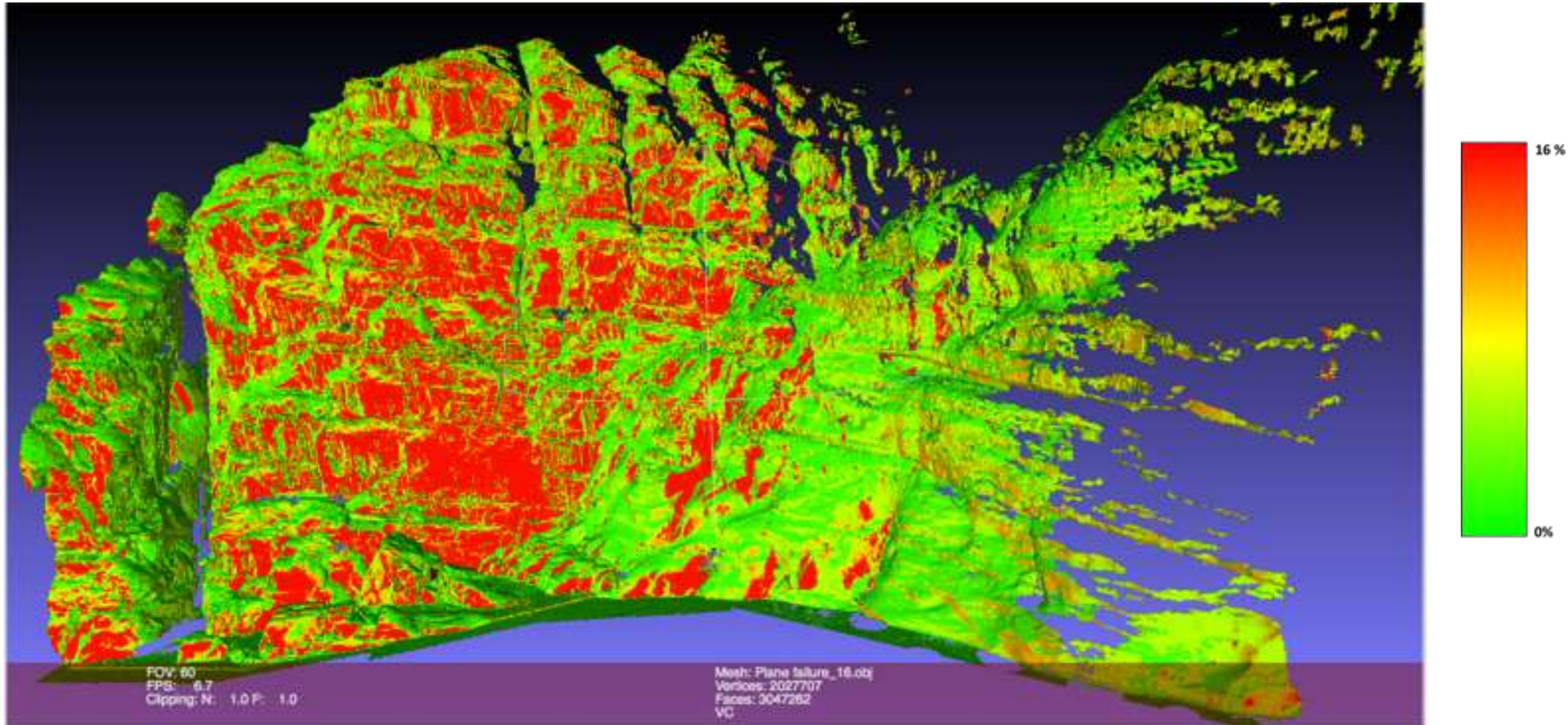


Rockfall hazard



Petra (Jordan): the Siq

Rock slide hazard



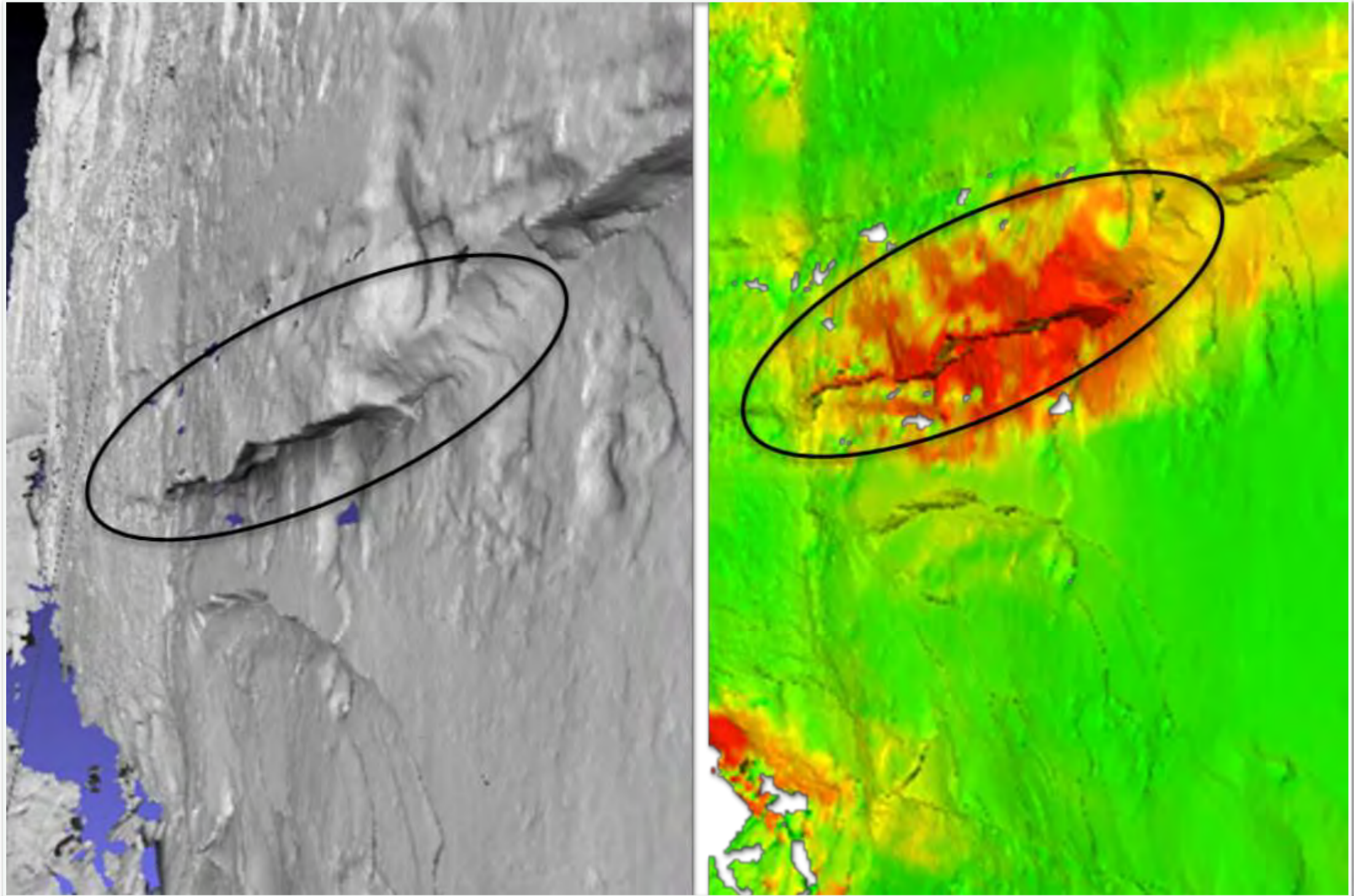
Petra (Jordan): the Siq

Rockfall of May 28, 2015



Petra (Jordan): the Siq

Rockfall prediction



Petra (Jordan): the Siq

Hazard mapping



Petra (Jordan): the Siq

Rock characterization



Bamiyan (Afghanistan): Giant Buddha niches

Rock mass characterization



Bamiyan (Afghanistan): rock slaking test

Monitoring



rate of ground movements



seismicity



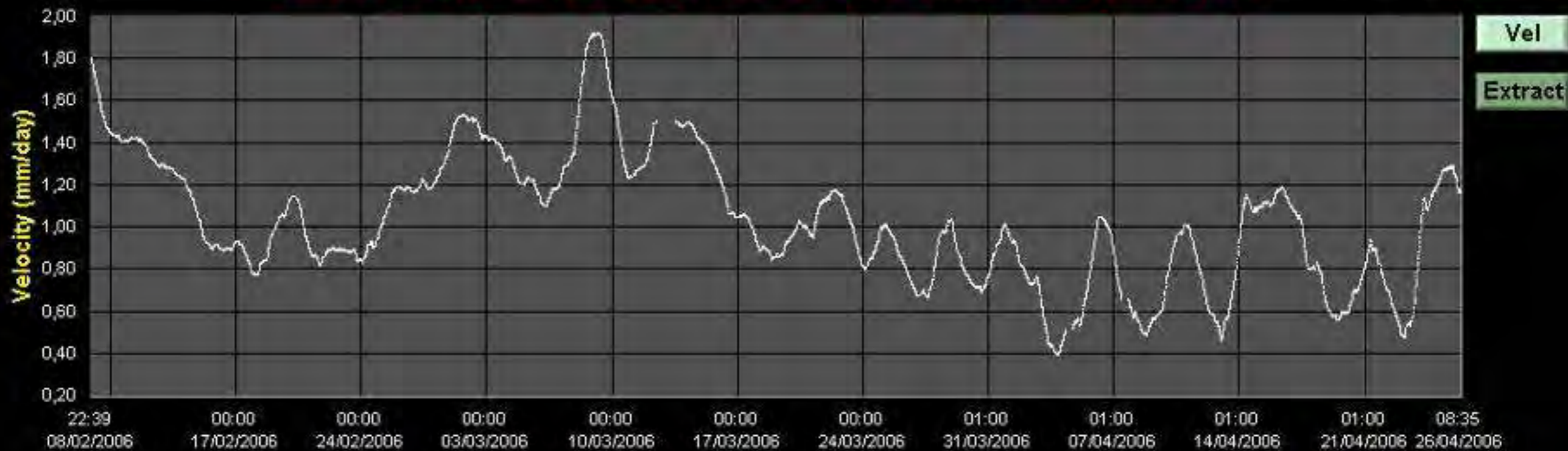
weather & climate



groundwater



time series & trends



Vel
Extract

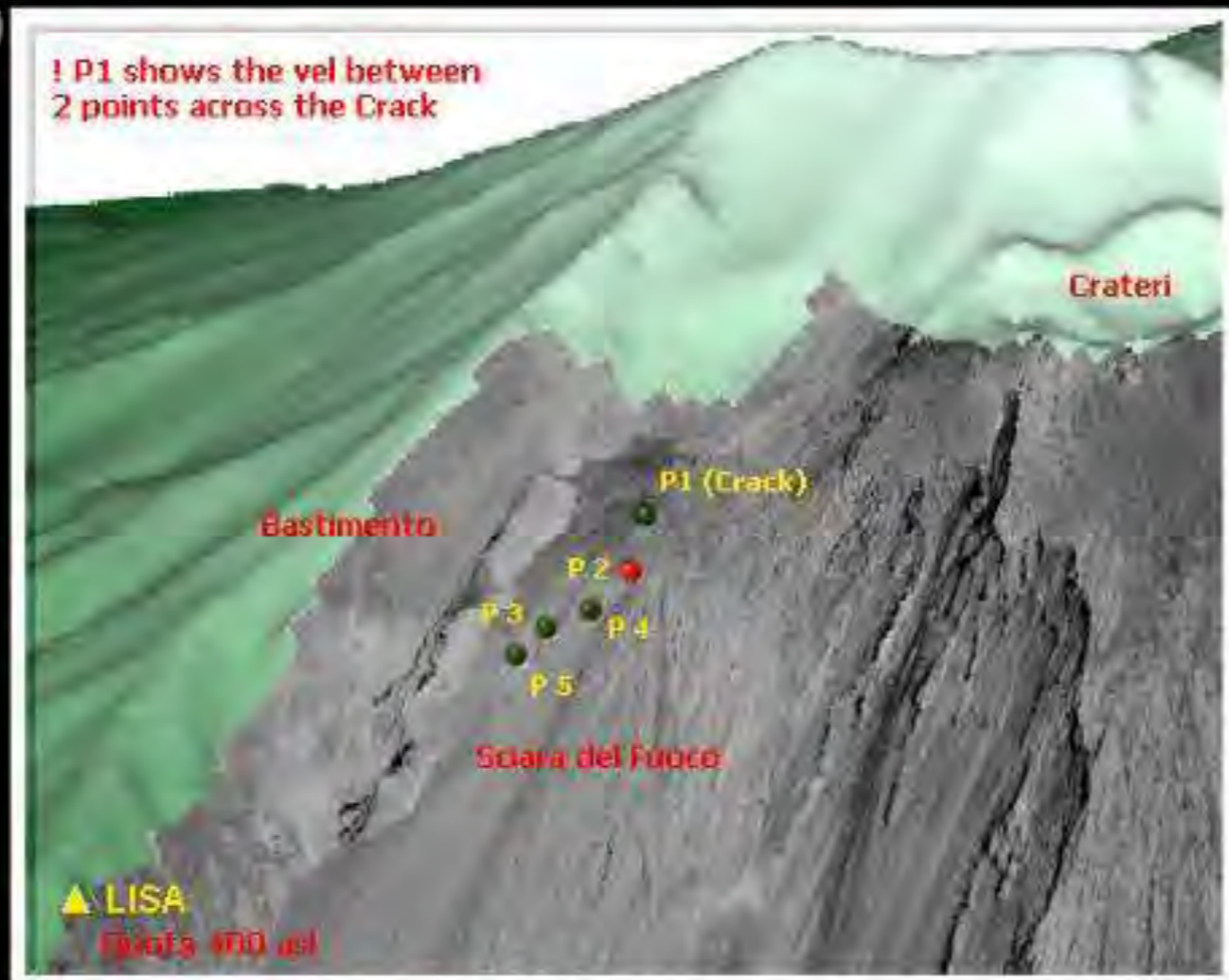


GRAPH STATISTICS

Max	Max T		
1,92	Wed 08 Mar 2006 22.43		
Min	Min T		
0,39	Mon 03 Apr 2006 20.44		
RMS	Std dev	Var	Range
1,074	0,301	0,090	1,527

LAST 24H AVG SPEED mm/day

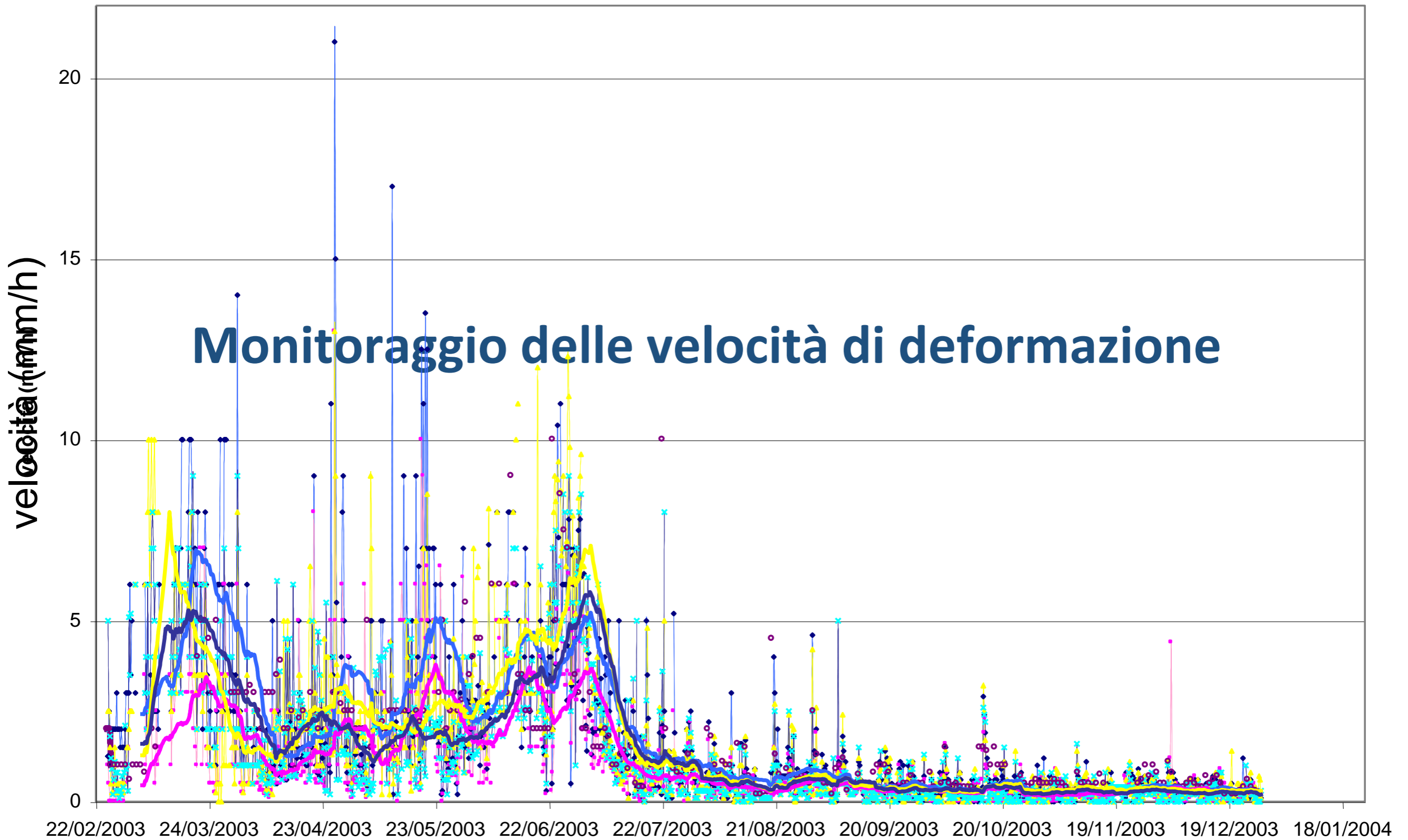
■ < 1	■ > 1 < 3	■ > 3
P 1 0,541	P 2 1,293	
P 3 1,468	P 4 0,630	
P 5 1,445		

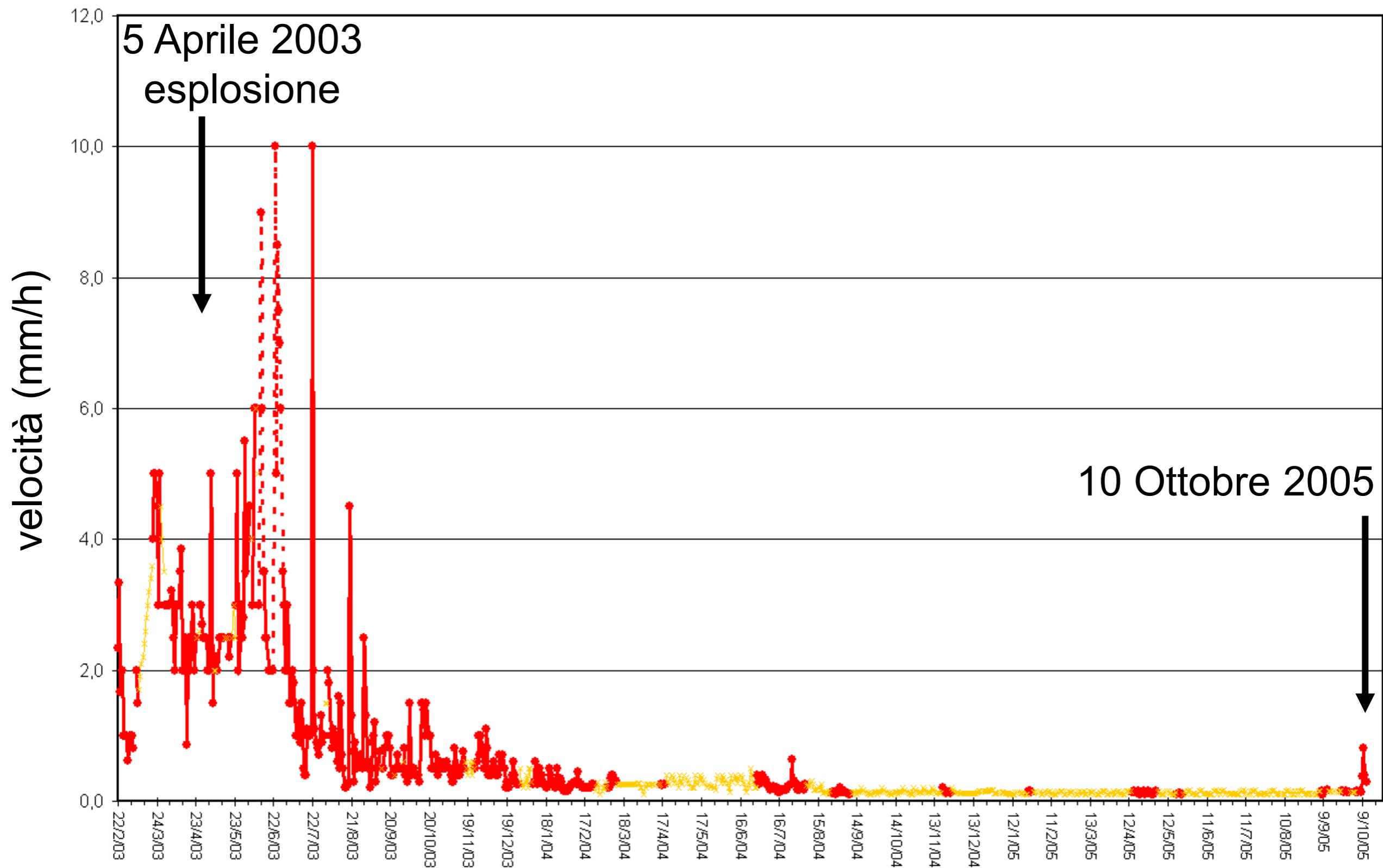


- Last 24h
- Last week
- Last month
- Last year
- All available**
- Manual

EXIT
IP DATA HOST
ftp.lisalab.com

Monitoraggio delle velocità di deformazione



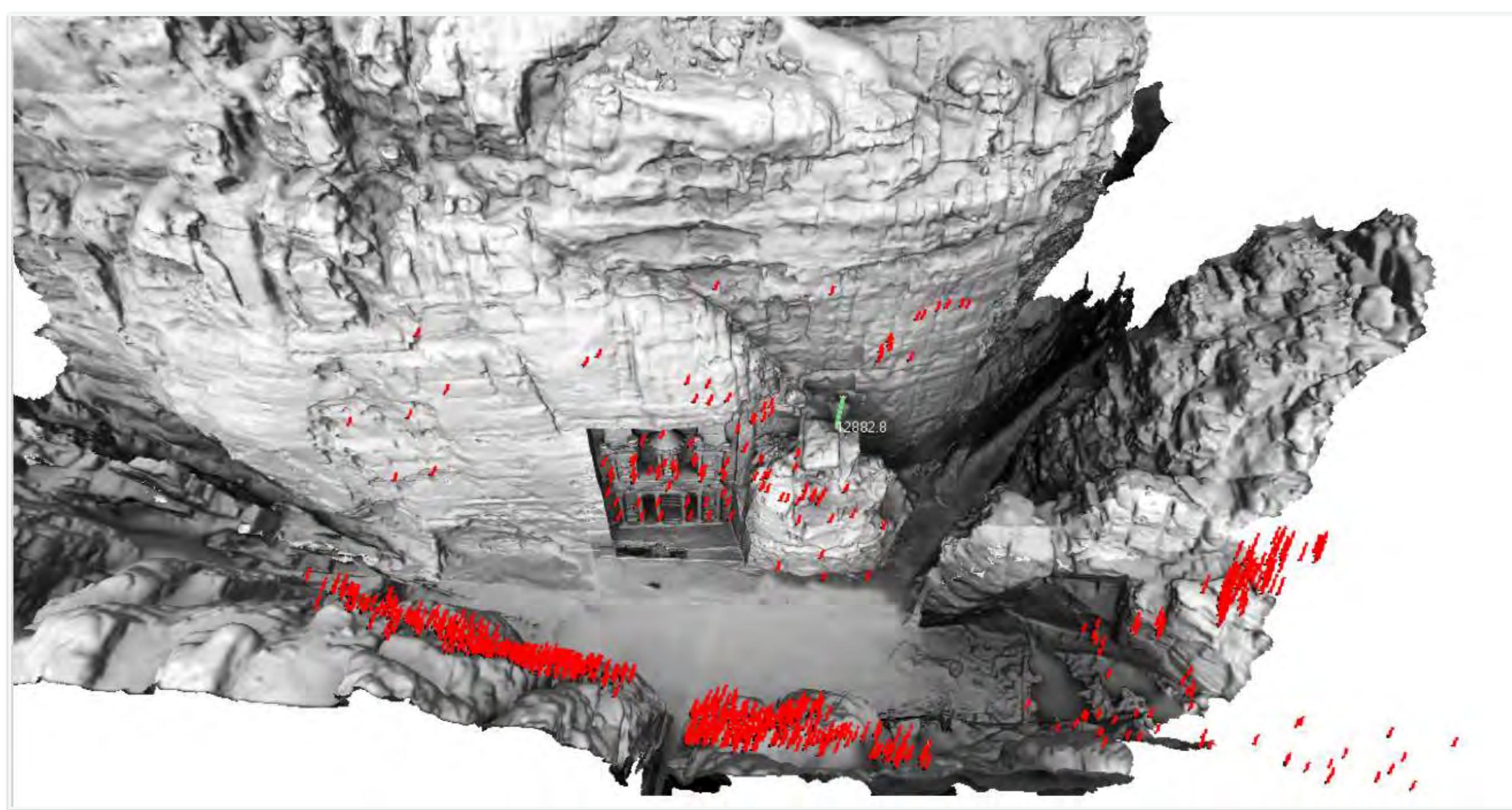


Robotized reflector-less total station



Petra (Jordan)

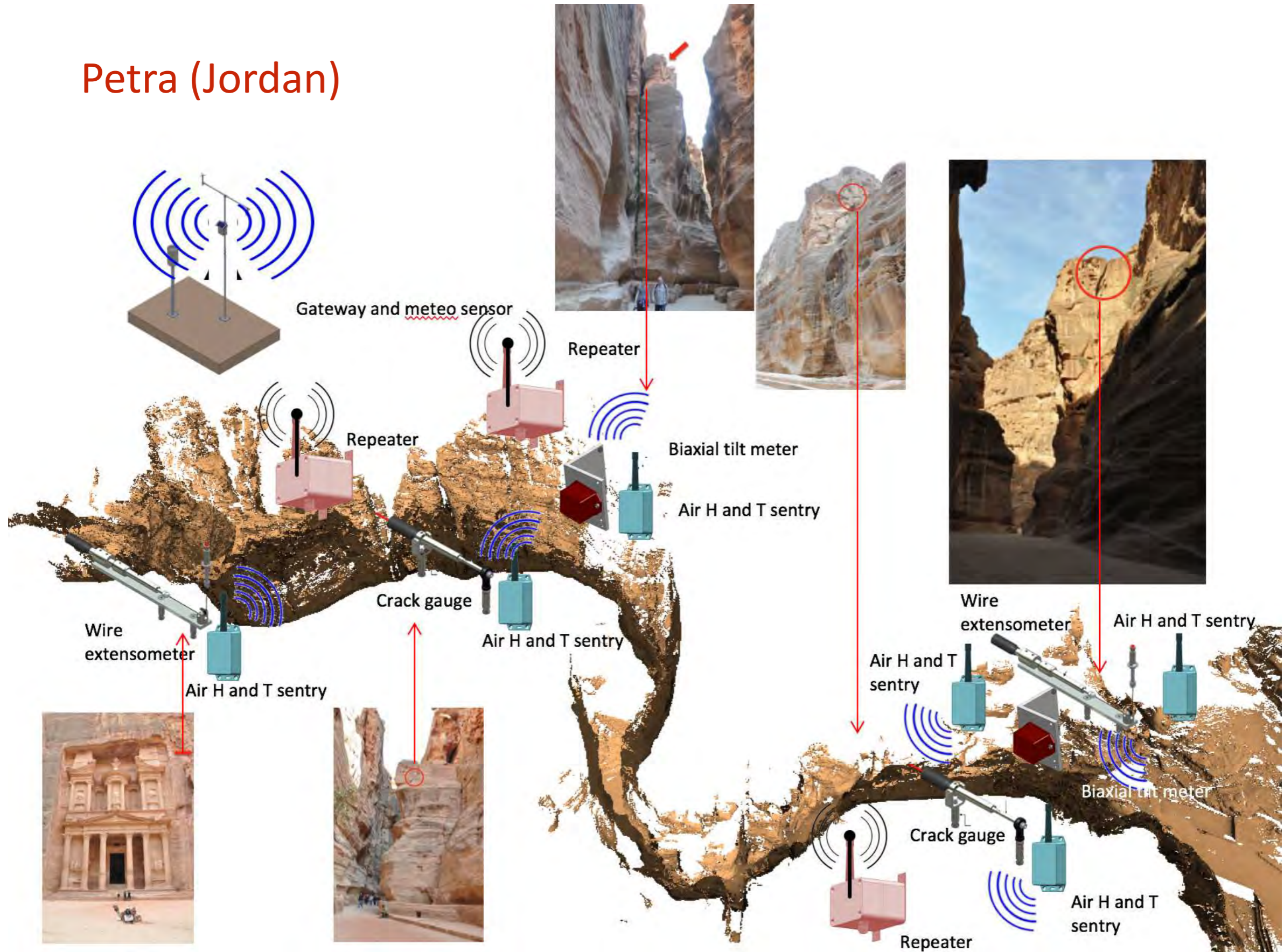
Robotized reflector-less total station



Petra (Jordan)

Wireless sensor networks

Petra (Jordan)

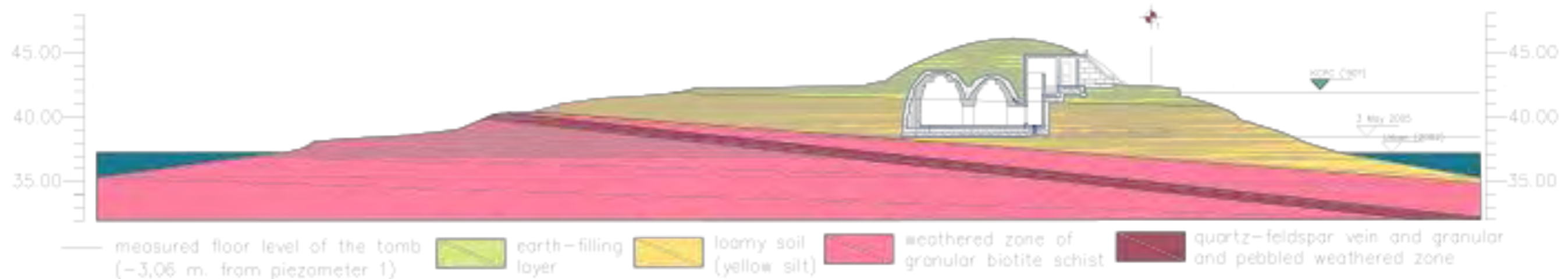


Hydrogeological monitoring



Kogurio (North Korea): Susan-ri mounded stone chamber tomb

Hydrogeological monitoring



Cross section through the tomb and the mound and the Yaksu-ry peninsula. The geological strata are reported as well as the measured levels of 3rd May 2005 regarding the water table, the floor of the tomb and the lake. It is reported the level of the lake in October 2002 (Urban 2002), on the 3rd May 2005 and in '90 as reported from a KCPC topographic section.

For a better comprehension also the sketch of the tomb is reported, at the same level of the measured floor but exhibiting a total length of 30 cm less than the one mentioned in the official documents.

Kogurio (North Korea): Susan-ri mounded stone chamber tomb

Hydrogeological monitoring



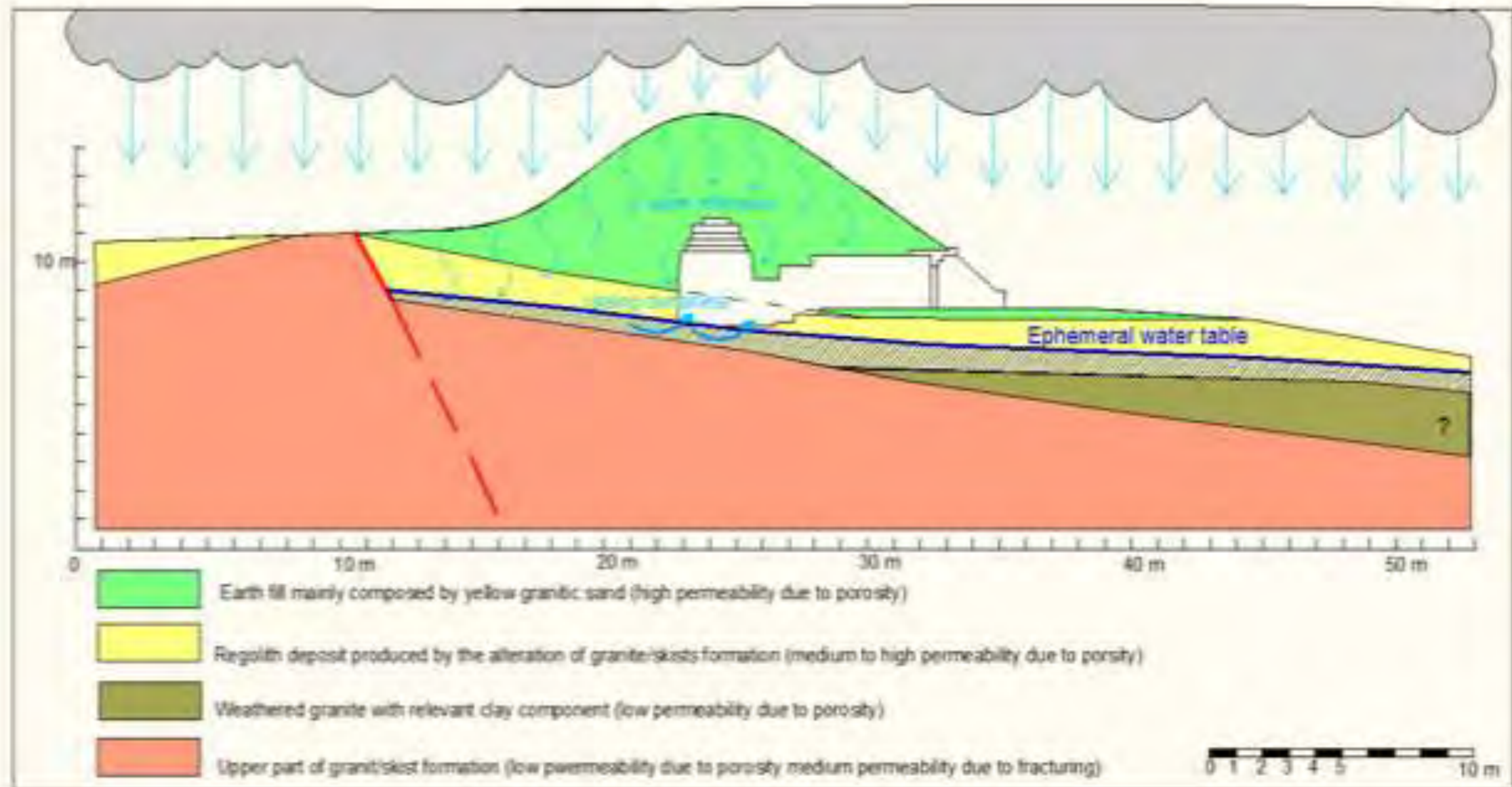
Kogurio (North Korea) : piezometer drilling

Hydrogeological monitoring



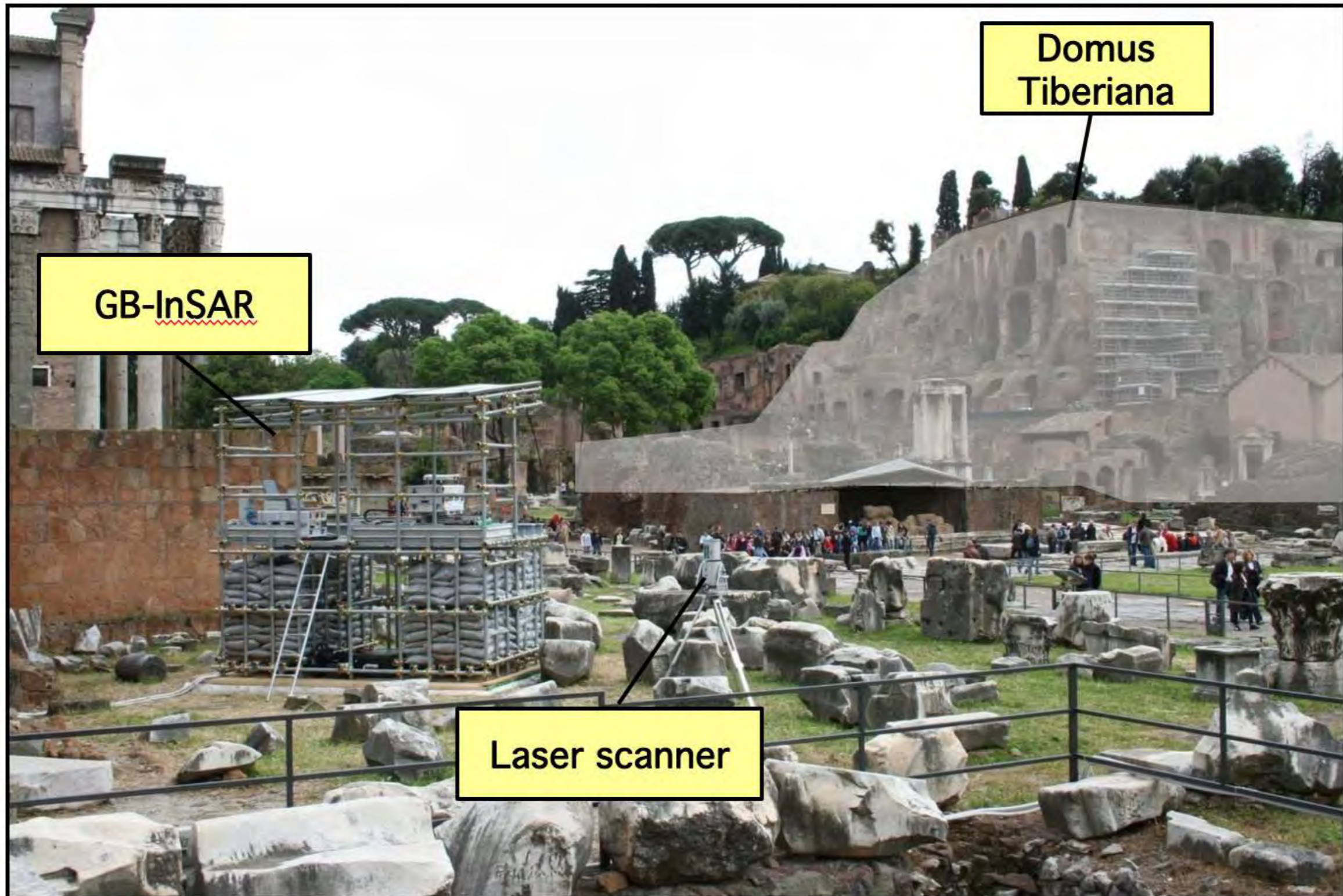
Kogurio (North Korea): piezometer deployment

Hydrogeological monitoring



Kogurio (North Korea): model for rising dumpness

Ground-based radar interferometry



Rome (Italy): Foro Romano

Ground-based radar interferometry

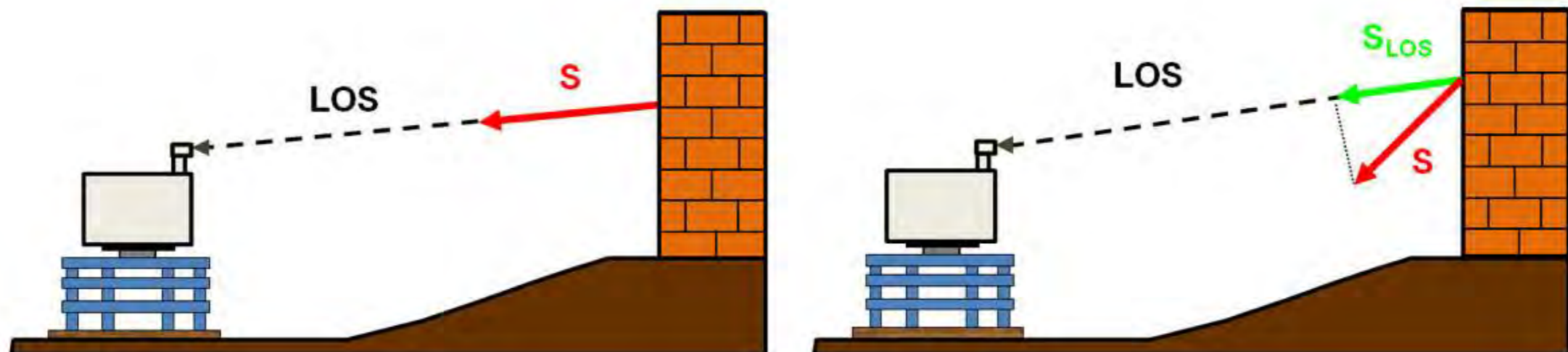
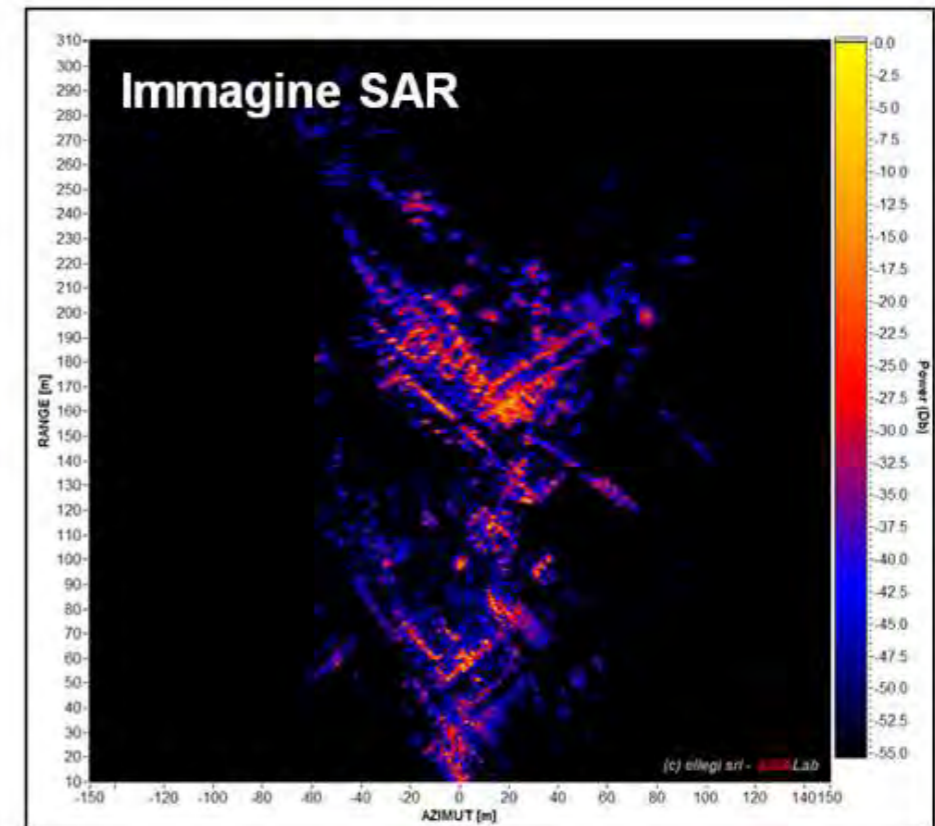
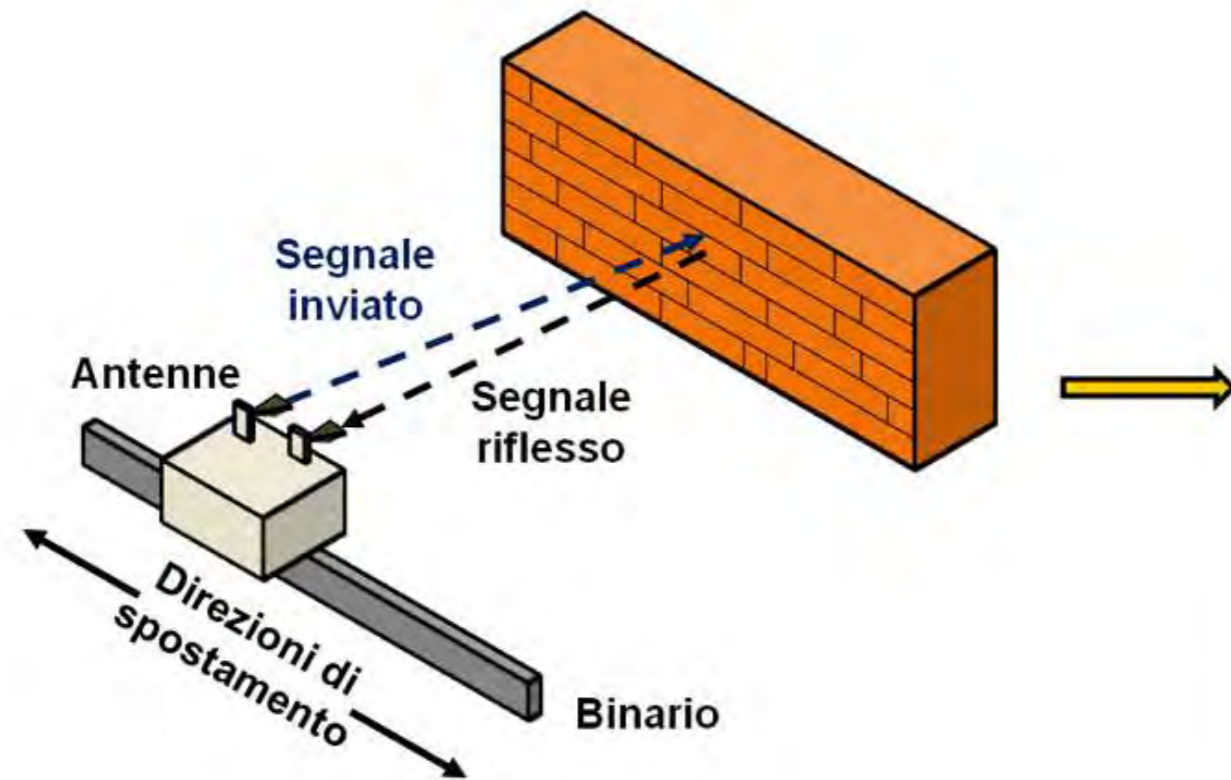


Rome (Italy): Foro Romano

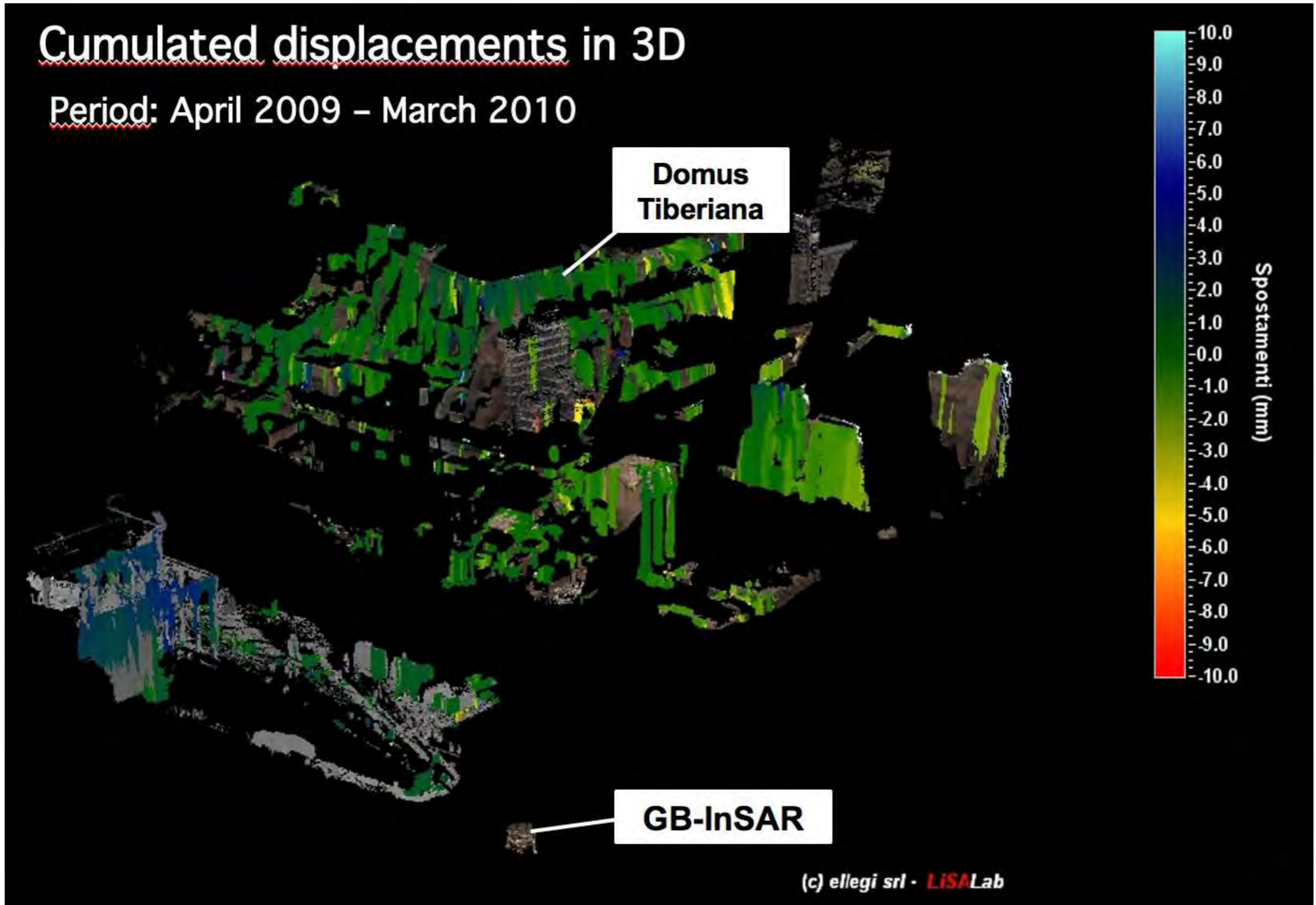
Ground-based radar interferometry



Ground-based radar interferometry



Ground-based radar interferometry



Rome (Italy): Foro Romano

Satellite radar interferometry

