



ISTITUTO NAZIONALE  
DI OCEANOGRAFIA E DI  
GEOFISICA SPERIMENTALE



## Station Code

TOPP

## Recording Station

PIAN DEL TOPPO

## Network

NI

	Year	Month	Day
<b>First compilation</b>	1970	01	01
<b>Last update</b>	1970	01	01

# General Information

Station  
photograph

Image not available

Code

TOPP

Owner

CRS Centro di Ricerche Sismologiche, OGS

Housing

Instrumentation

# Geographical Information (1/2)

## Location

Region FRIULI-VENEZIA GIULIA

Province Pordenone

City TRAVESIO

Place / Address Pian del Toppo

ISTAT Code 093047

Notes



Location map  
(Italy and Region)

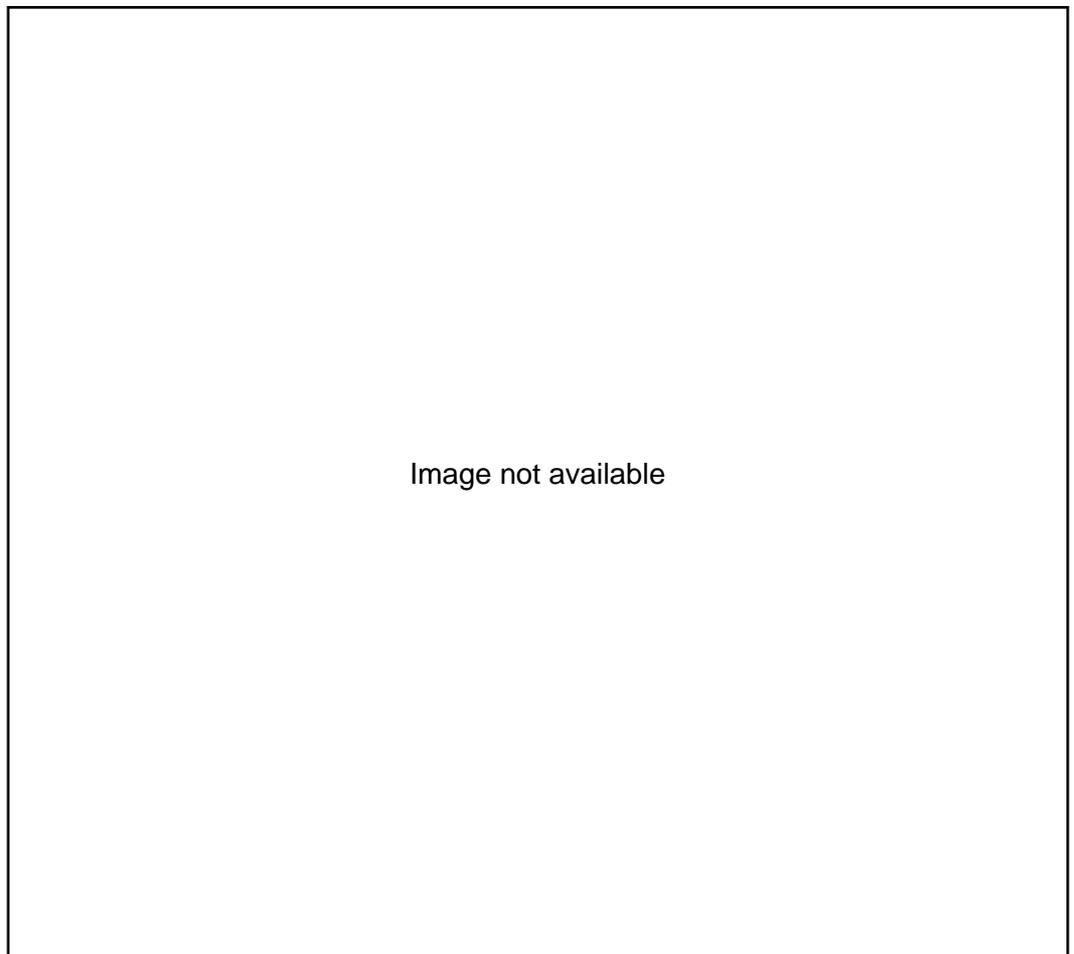
# Geographical Information (2/2)

## *Coordinates*

	Latitude	Longitude
Geographic (WGS84)	46.198488	12.817060
Elevation (m a.s.l.)	258	

## *Cartography*

	Scale	Code
Topographic map (I.G.M.I.)	1:25.000	null null null
	Scale	Element number
Regional technical map (C.T.R.)		



I.G.M.I. or C.T.R.  
map

# Geomorphology

## *Site morphology*

X	Plain	Valley (centre)	Valley (edge)	Alluvial fan
	Saddle	Slope	Edge of scarp	Ridge

## *Landslides*

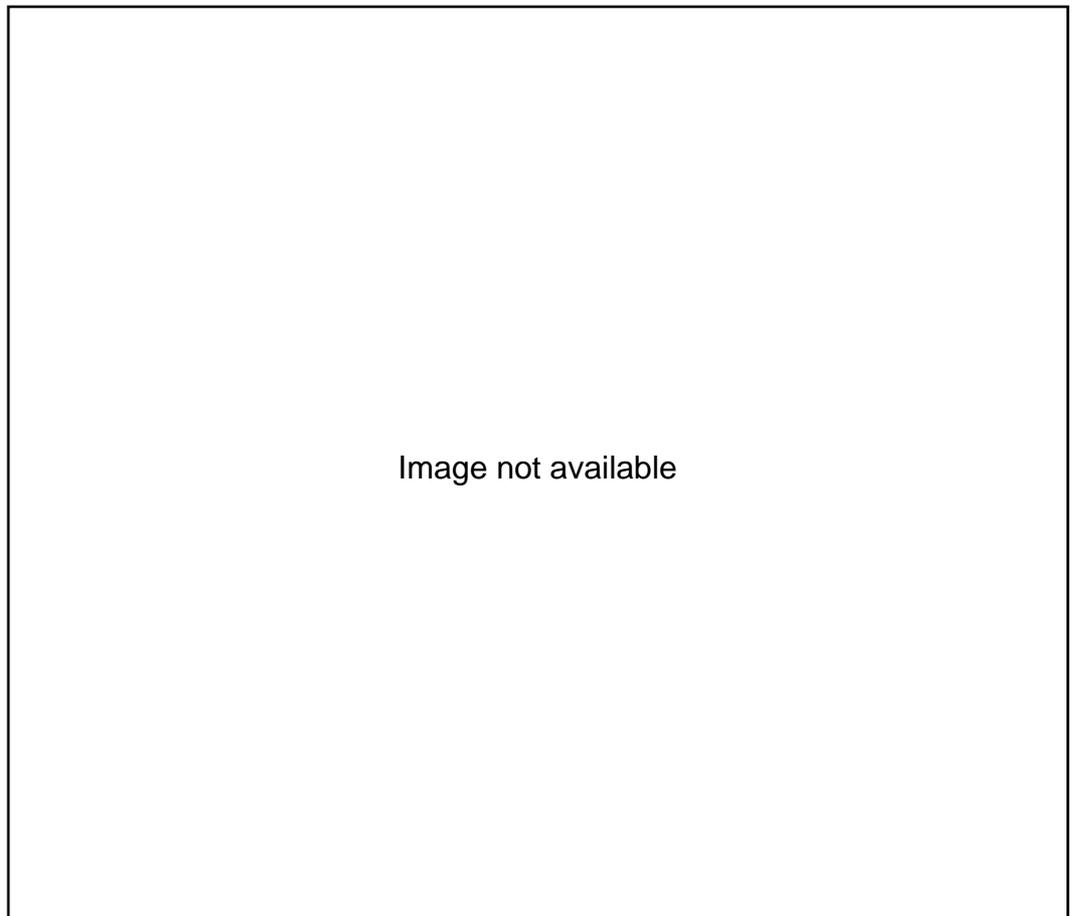
Not present

Present

Active or quiescent

Inactive or stabilized

Distance (m)



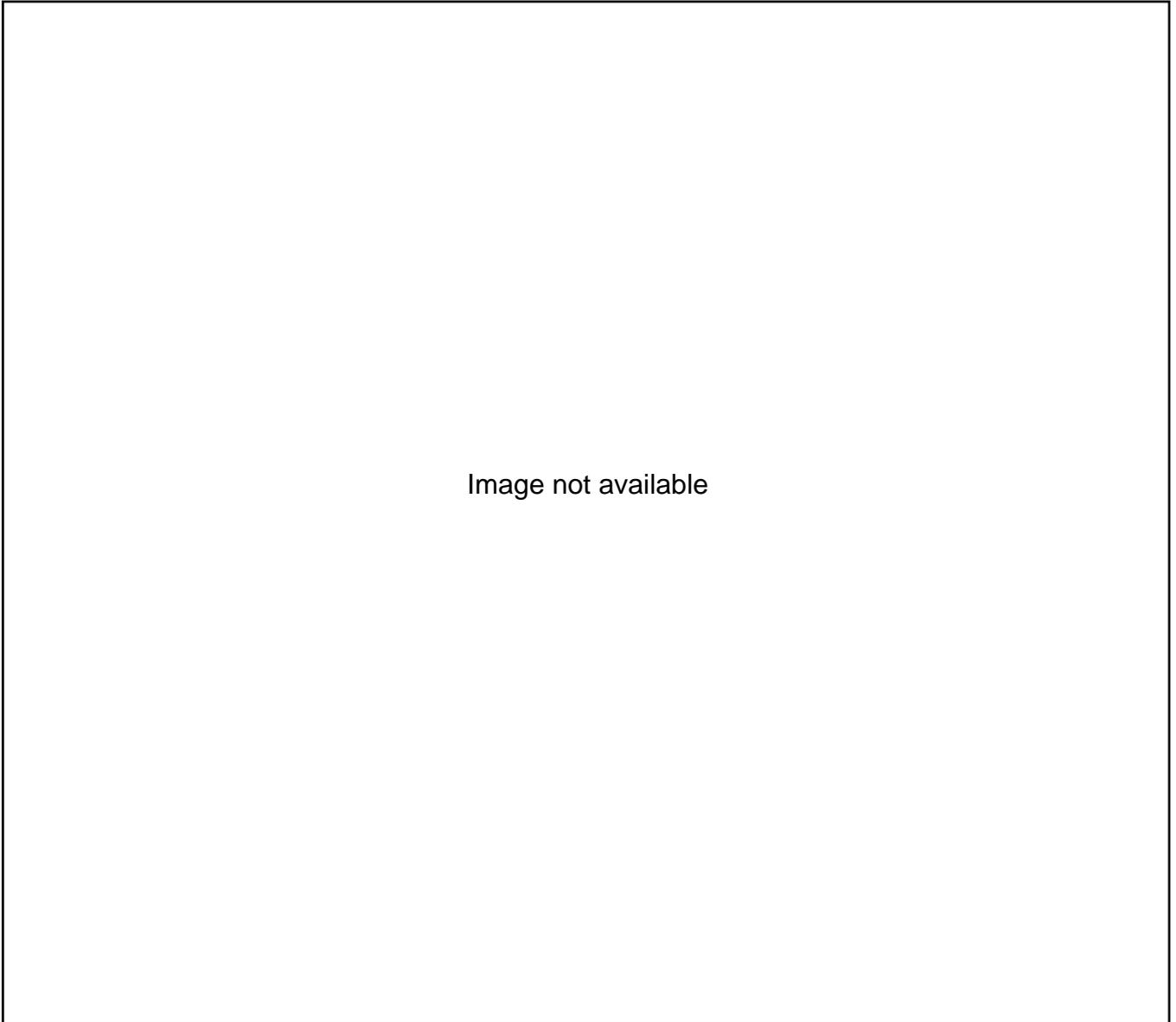
I.F.F.I. map

Notes

# Geology

## *Cartography*

	Scale	Sheet number	Sheet name
Geological map			



Fault proximity  certain   
 supposed (see notes for further information)

Notes

## Microtremor H/V spectral ratio

Image not available.

$f_0$  (mt) (Hz)



# Site classification (EC8 – NTC2008)

## Lithostratigraphic classification

### Estimated

Method <sup>1</sup>	Soil class <sup>2</sup>	Notes

Legend	1	GEO Geological data
		EC Empirical correlation
		HV H/V spectral ratio

### Based on in-situ measurements

Method <sup>3</sup>	$V_{s30}$ (m/s)	Soil class <sup>2</sup>

Legend	2	A	Rock or other rock-like geological formation, including at most 5 m of weaker material at the surface ( $V_{s30} > 800$ m/s).
		B	Deposits of very dense sand, gravel, or very stiff clay, at least several tens of m in thickness, characterized by a gradual increase of mechanical properties with depth ( $V_{s30} = 360-800$ m/s).
		C	Deep deposits of dense or medium dense sand, gravel or stiff clay with thickness from several tens to many hundreds of m ( $V_{s30} = 180-360$ m/s).
		D	Deposits of loose-to-medium cohesionless soil (with or without some soft cohesive layers), or of predominantly soft-to-firm cohesive soil ( $V_{s30} < 180$ m/s).
		E	A soil profile consisting of a surface alluvium layer with $V_s$ values of type C or D and thickness varying between about 5 m and 20 m, underlain by stiffer material with $V_s > 800$ m/s.

Legend	3	CH	Cross-Hole
		DH	Down-Hole
		ES	ESAC
		FK	FK
		MW	MASW
		NW	NASW
		SH	SH-Refraction
	SW	SASW	
		_____	_____

## Topography classification

Topography category <sup>4</sup>
T1

Legend	4	T1	Flat surface, isolated slopes and cliffs with average slope angle $i \leq 15^\circ$ .
		T2	Slopes with average slope angle $i > 15^\circ$ .
		T3	Ridges with crest width significantly less than the base width and average slope angle $15^\circ \leq i \leq 30^\circ$ .
		T4	Ridges with crest width significantly less than the base width and average slope angle $i > 30^\circ$ .

# Synthesis of information

## *Information relevant to site classification*

## Notes

$V_{s30}$ (m/s)		
Average $N_{SPT}$ to 30m		
Average $c_u$ to 30m (kPa)		
Site class (EC8 – NTC2008)		
Topography category (EC8 – NTC2008)	T1	

## *Geological, geomorphological and geomechanical information*

Lithology		
Morphology	Plain	
Rock mass		

## *Other information relevant to seismic site response*

Depth to bedrock (m)		
Average $V_s$ to bedrock (m/s)		
$f_0$ from H/V microtremors (Hz)		
$f_0$ from H/V earthquakes (Hz)		

## *Distinctive features of site response*

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