ISTITUTO NAZIONALE DI OCEANOGRAFIA E DI GEOFISICA SPERIMENTALE

Ministero dell'Istruzione, dell'Università e della Ricerca
PRIN - Progetti di Ricerca di Interesse Nazionale

Station Code

BALD

Recording Station

MONTE BALDO

Network

OX

	Year	Month	Day
First compilation	2010	04	29
Last update	2012	05	30

General Information

Station photograph

Code	BALD
Owner	Regione Veneto, Segreteria Regionale Lavori Pubblici - Unità di Progetto Protezione Civile. Station managed by CRS-OGS
Housing	

Instrumentation

Digitizer	Installation		
Quanterra Q330 (2271) D	2016-01-01 00:00:00		
Sensor	**Installation**	**Orientation**	**Location**
Nanometrics Trillium 40 sec (614) BB	2016-01-01 00:00:00	E N Z	Surface

Digitizer	Installation		
Quanterra Q330 (2271) D	2016-01-01 00:00:00		
Sensor	**Installation**	**Orientation**	**Location**
Kinemetrics FBA ES-T (2769) SM	2016-01-01 00:00:00	E N Z	Surface

Geographical Information (1/2)

Location

Region	VENETO
Province	Verona
City	BRENZONE
Place / Address	Rifugio Chierego
ISTAT Code	023014
Notes	

Location map
(Italy and Region)

Geographical Information (2/2)

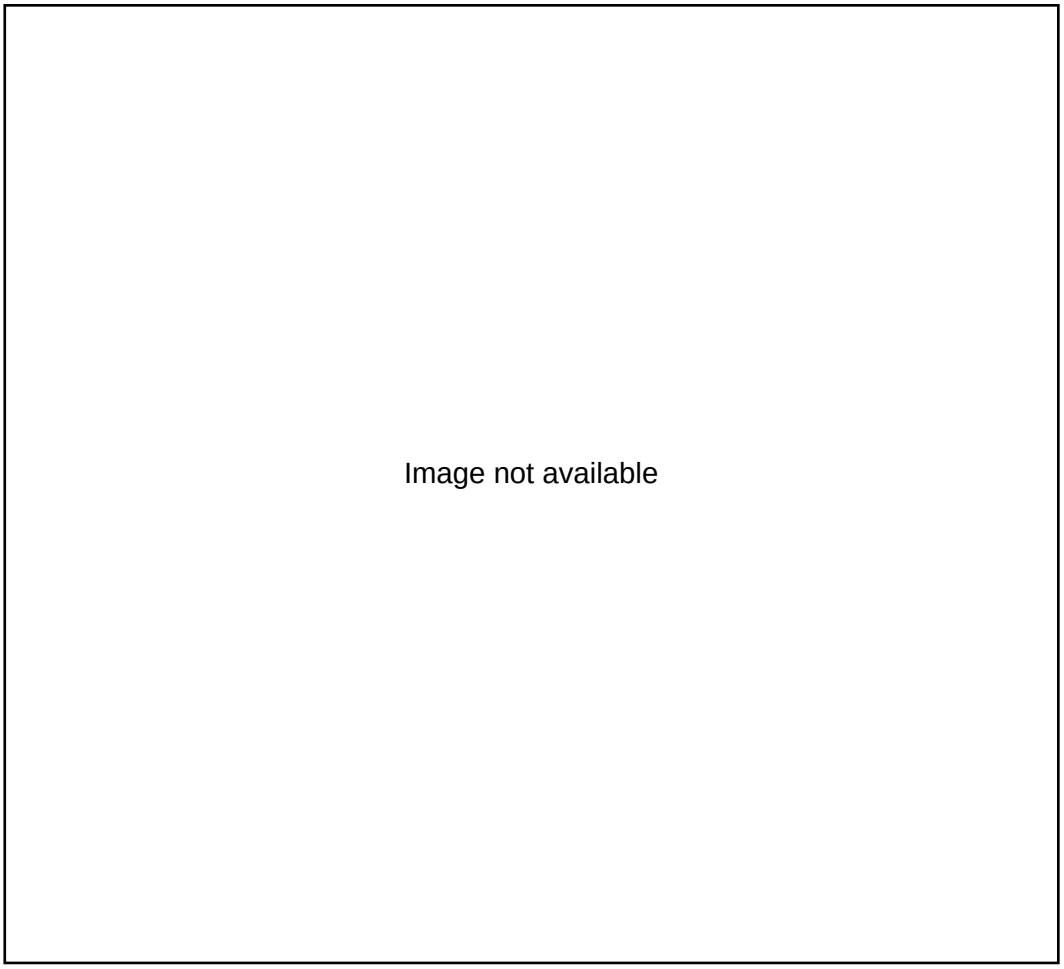
Coordinates

	Latitude	Longitude
Geographic (WGS84)	45.683000	10.818700
Elevation (m a.s.l.)	1981	

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

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

Landslides

☐ Not present

Present

☐ Active or quiescent

☐ Inactive or stabilized

Distance (m)

I.F.F.I. map

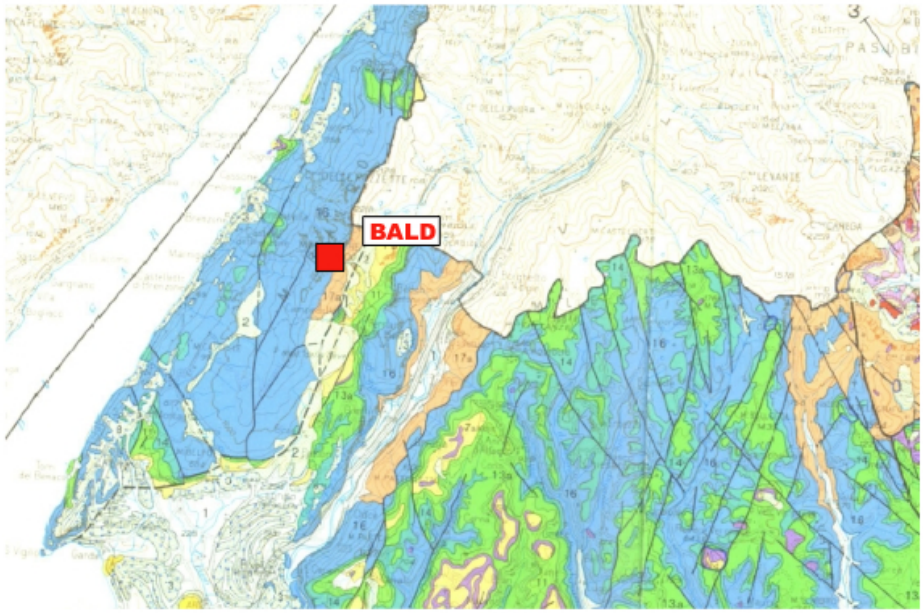
Image not available

Notes

Geology

Cartography

	Scale	Sheet number	Sheet name
Geological map	1:250.000		Veneto



Depositi alluvionali, fluvioglaciali, lacustri e palustri delle aree montane e collinari. Quaternario

Depositi eluviali, colluviali, detritici e di frana. Quaternario

Depositi morenici. Quaternario

Calcari nummulitici, calcareniti, calcari di scogliera, arenarie e marne (a); marne e calcari (b). Oligocene inf. - Eocene

Vulcaniti basaltiche: basalti di colata, filoni e camini di lava (a), ialoclastiti, tufi e brecce d'esplosione (b). Oligocene - Paleocene sup.

Calcari, calcari argillosi e marne. Eocene inf. - Cretaceo sup

Calcari, e calcari argillosi selciferi, con intercalazioni di calcareniti e brecce calcaree nel Veneto orientale (a); alternanze di marne, calcari e calcari selciferi (b). Cretaceo inf.

Calcari nodulari e selciferi, calcari selciferi ed argilliti. Malm - Dogger

Calcari oolitici ed encriniti, calcari con intercalazioni marnose, dolomie. Dogger inf. – Lias inf.

Dolomie e calcari dolomitici. Trias sup.

Fault proximity

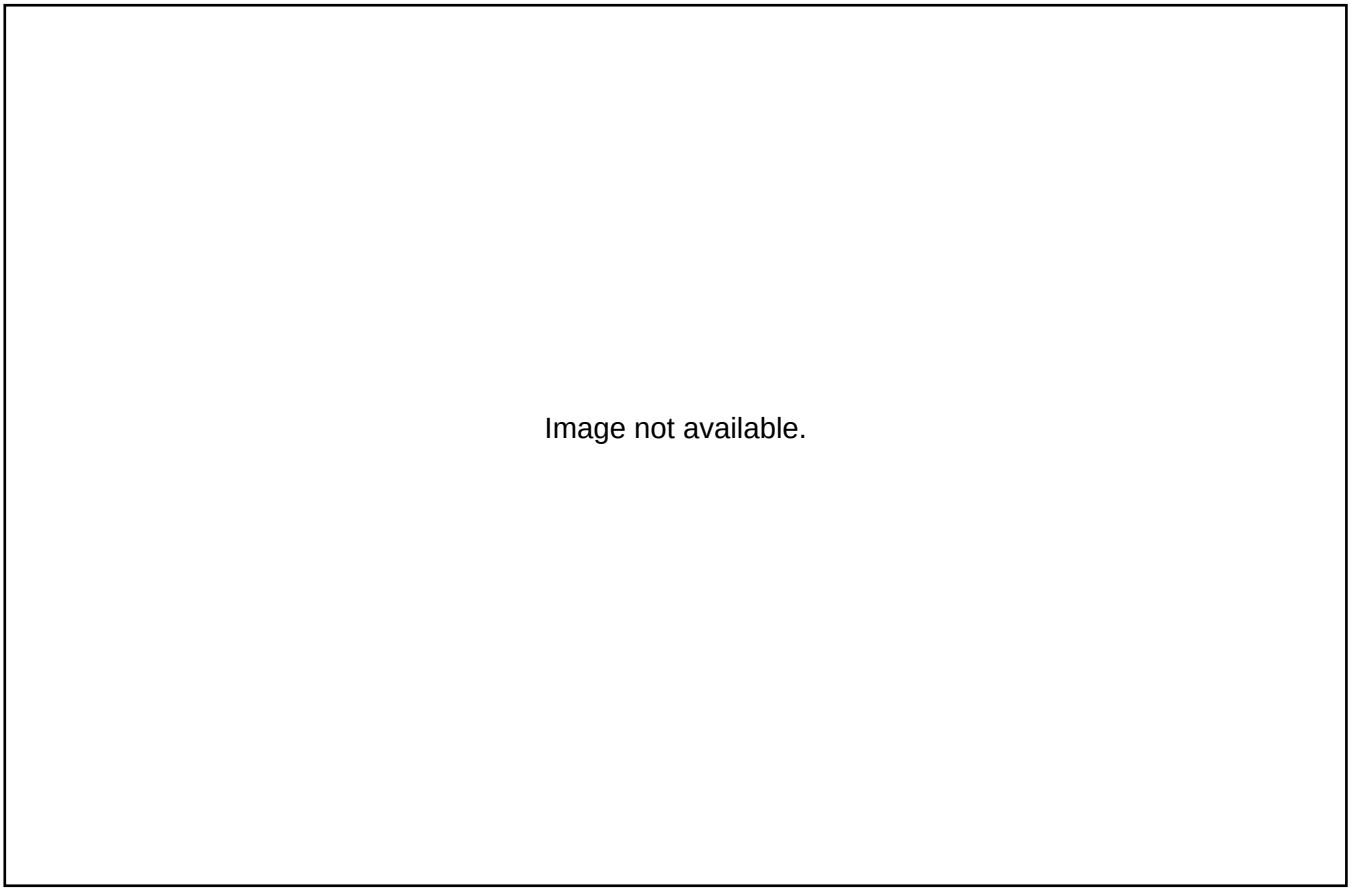
certain ☐

supposed ☐

(see notes for further information)

Notes

Microtremor H/V spectral ratio



$f_{0\ (mt)}$ (Hz)

Site classification (EC8 – NTC2008)

Lithostratigraphic classification

Estimated

Method[1]	Soil class[2]	Notes
GEO	A*	

1 Legend

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

Based on in-situ measurements

Method[3]	V_{s30} (m/s)	Soil class[2]

2 Legend

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.

3 Legend

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

Topography classification

Topography category[4]

4 Legend

T1	Flat surface, isolated slopes and cliffs with average slope angle i≤15°.
T2	Slopes with average slope angle i>15°.
T3	Ridges with crest width significantly less than the base width and average slope angle 15°≤i≤30°.
T4	Ridges with crest width significantly less than the base width and average slope angle i>30°.

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)	A*	
Topography category (EC8 – NTC2008)		

Geological, geomorphological and geomechanical information

Lithology		
Morphology	Ridge	
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		