



# NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),  
Proposed Sites for Community Importance (pSCI),  
Sites of Community Importance (SCI) and  
for Special Areas of Conservation (SAC)

SITE IT5210028

SITENAME Boschi e brughiere di Panicarola

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## 1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	<a href="#">Back to top</a>
B	IT5210028	

### 1.3 Site name

Boschi e brughiere di Panicarola
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1.4 First Compilation date	1.5 Update date
1995-06	2024-12

### 1.6 Respondent:

Name	Regione Umbria - Servizio Foreste, montagna, sistemi naturalistici e faunistica-venatoria - Sezione Aree protette e tutela e
/Organisation:	valorizzazione sistemi naturalistici
Address:	Via Mario Angeloni, 61 - 06124 Perugia
Email:	fgrohmann@regione.umbria.it - mgpossenti@regione.umbria.it

### 1.7 Site indication and designation / classification dates

Date site classified as SPA:	0000-00
National legal reference of SPA designation	No data
Date site proposed as SCI:	1995-06
Date site confirmed as SCI:	No data
Date site designated as SAC:	2014-08
National legal reference of SAC designation:	DM 07/08/2014 - G.U. 194 del 22-08-2014

## 2. SITE LOCATION

### 2.1 Site-centre location [decimal degrees]:

Longitude 12.109444

Latitude 43.056944

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2.2 Area [ha]:

274.0

2.3 Marine area [%]

0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
ITE2	Umbria

2.6 Biogeographical Region(s)

Mediterranean (100.0 %)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Global
4030			2.9		G	B	C	B	B
6420			0.27		P	D			
91M0			98.26		G	B	C	B	B

- **PF:** for the habitat types that can have a non-priority as well as a priority form (6210, 7130, 9430) enter "X" in the column PF to indicate the priority form.
- **NP:** in case that a habitat type no longer exists in the site enter: x (optional)
- **Cover:** decimal values can be entered
- **Caves:** for habitat types 8310, 8330 (caves) enter the number of caves if estimated surface is not available.
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation)

3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them

Species					Population in the site						Site assessment			
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D. qual.	A B C D	A B C		
						Min	Max				Pop.	Con.	Iso.	Glo.
M	1352	<a href="#">Canis lupus</a>			p				V	DD	D			
I	1088	<a href="#">Cerambyx cerdo</a>			p				P	DD	C	B	C	B
I	1083	<a href="#">Lucanus cervus</a>			p				P	DD	C	B	C	B
M	1307	<a href="#">Myotis blythii</a>			p				P	DD	D			
M	1316	<a href="#">Myotis capaccinii</a>			p				P	DD	D			
M	1321	<a href="#">Myotis emarginatus</a>			p				P	DD	D			
M	1324	<a href="#">Myotis myotis</a>			p				P	DD	D			
A	1167	<a href="#">Triturus carnifex</a>			p				P	DD	D			

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)

- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

### 3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C R V P	IV	V	A	B	C	D
P		<a href="#">Anagallis minima</a>						P						X
R		<a href="#">Anguis fragilis</a>						P					X	
B	A255	<a href="#">Anthus campestris</a>						V						X
A		<a href="#">Bufo bufo</a>						P					X	
P		<a href="#">Calluna vulgaris</a>						P						X
M		<a href="#">Capreolus capreolus</a>						P					X	
R		<a href="#">Chalcides chalcides</a>						P					X	
P		<a href="#">Cicendia filiformis</a>						P						X
B	A082	<a href="#">Circus cyaneus</a>						P						X
R	1283	<a href="#">Coronella austriaca</a>						P	X					
M		<a href="#">Crocidura suaveolens</a>						P					X	
M		<a href="#">Dama dama</a>						P			X			
M		<a href="#">Erinaceus europaeus</a>						P					X	
B	A103	<a href="#">Falco peregrinus</a>						P						X
M	1363	<a href="#">Felis silvestris</a>						P	X					
R	5670	<a href="#">Hierophis viridiflavus</a>						P	X					
A	5358	<a href="#">Hyla intermedia</a>						P	X				X	
M	5365	<a href="#">Hypsugo savii</a>						P	X				X	
M	1344	<a href="#">Hystrix cristata</a>						P	X					
P		<a href="#">Juncus bulbosus</a>						P						X
R	5179	<a href="#">Lacerta bilineata</a>						P	X				X	
B	A338	<a href="#">Lanius collurio</a>						P						X
M		<a href="#">Lepus europaeus / corsicanus</a>						P					X	
B	A246	<a href="#">Lullula arborea</a>						P						X
P		<a href="#">Lythrum portula</a>						P						X
P		<a href="#">Malosorbus florentina</a>						P						X
M		<a href="#">Martes foina</a>						P					X	
M		<a href="#">Meles meles</a>						P					X	
M		<a href="#">Microtus savii</a>						P					X	
M	1341	<a href="#">Muscardinus avellanarius</a>						P	X					
M		<a href="#">Mustela nivalis</a>						P					X	
M	1358	<a href="#">Mustela putorius</a>						P		X				
M		<a href="#">Myodes glareolus</a>						P					X	

M	1314	<a href="#">Myotis daubentonii</a>						P	X					
R		<a href="#">Natrix natrix</a>						P					X	
M	1331	<a href="#">Nyctalus leisleri</a>						P	X					
M		<a href="#">Oryctolagus cuniculus</a>						P			X			
M	2016	<a href="#">Pipistrellus kuhlii</a>						P	X					
M	1309	<a href="#">Pipistrellus pipistrellus</a>						P	X					
M	1329	<a href="#">Plecotus austriacus</a>						P	X					
R	1256	<a href="#">Podarcis muralis</a>						P	X					
R	1250	<a href="#">Podarcis siculus</a>						P	X					
P		<a href="#">Quercus robur</a>						P						X
A		<a href="#">Rana bergeri</a> / <a href="#">Rana klepton hispanica</a>						P					X	
A	1209	<a href="#">Rana dalmatina</a>						P	X					
A	1206	<a href="#">Rana italica</a>						P	X					
M		<a href="#">Sciurus vulgaris</a>						P					X	
M		<a href="#">Sorex samniticus</a>						P			X			
M		<a href="#">Talpa romana</a>						P					X	
P		<a href="#">Teucrium siculum</a>						P			X			
A		<a href="#">Triturus vulgaris</a>						P					X	
P		<a href="#">Tuberaria lignosa</a>						P						X
R		<a href="#">Vipera aspis</a>						P					X	
R	6091	<a href="#">Zamenis longissimus</a>						P	X				X	

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories:** **IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

4. SITE DESCRIPTION

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4.1 General site character

Habitat class	% Cover
N12	20.0
N16	70.0
N08	10.0
Total Habitat Cover	100

Other Site Characteristics

Area con paleosuoli lisciviati e mineralizzati, dove gli habitat segnalati sono riferiti alle associazioni: Tuberario lignosae-Callunetum, Danthonio-Callunetum e Hieracio racemosi-Quercetum petraeae (9190).

4.2 Quality and importance

Il sito racchiude uno degli ultimi lembi di bosco planiziale acidofilo dell'Umbria e del Italia centrale. Questa cenosi, inquadrabile nel Quercion robori-petraeae è tipica dell'Europa centrale ed in Umbria si trova al limite meridionale del suo areale e pertanto assume grande valore fitogeografico e naturalistico. Interessanti sono poi i lembi di brughiera a Calluna vulgaris, che segnano il limite meridionale di distribuzione in Italia. Buona è anche l'importanza floristica del sito per la presenza di specie: rarissime o rare a livello nazionale (Tuberaria lignosa, Cicendia filiformis e Anagallis minima); rare a livello regionale (Malus florentina e Quercus robur). Tra la fauna da segnalare anche Buteo buteo, Sylva melanocephala (specie poco comuni).

4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts				Positive Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]	Rank	Activities, management [code]	Pollution (optional) [code]	inside /outside [i o b]

Rank: H = high, M = medium, L = low  
Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification, T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions  
i = inside, o = outside, b = both

4.4 Ownership (optional)

Type		[%]
Public	National/Federal	0
	State/Province	0
	Local/Municipal	0
	Any Public	0
Joint or Co-Ownership		0
Private		100
Unknown		0
sum		100

4.5 Documentation

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT11	100.0	IT13	95.0		

5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	Regione Umbria – Servizio Foreste, montagna, sistemi naturalistici e faunistica-venatoria – Sezione Aree protette e tutela e valorizzazione sistemi naturalistici
Address:	Via Mario Angeloni, 61 - 06124 Perugia
Email:	fgrohmann@regione.umbria.it - mgpossenti@regione.umbria.it

6.2 Management Plan(s):

An actual management plan does exist:

☒ Yes      Name: DGR N. 94/2012  
Link: \_\_\_\_\_

☐ No, but in preparation

☐ No

6.3 Conservation measures (optional)

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

☐ Yes ☒ No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

122 III° SE Carta To 1:25000 Gauss-Boaga