



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 IT4050001
SITENAME Gessi Bolognesi, Calanchi dell'Abbadessa

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1. SITE IDENTIFICATION

1.1 Type C	1.2 Site code IT4050001	Back to top
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1.3 Site name

Gessi Bolognesi, Calanchi dell'Abbadessa

1.4 First Compilation date 1995-06	1.5 Update date 2022-12
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1.6 Respondent:

Name	Regione Emilia-Romagna - Direzione Generale Cura del territorio e dell'ambiente - Servizio Aree protette, foreste e
/Organisation:	sviluppo della montagna
Address:	Viale Aldo Moro, 30 - 40127 Bologna
Email:	segrprn@regione.emilia-romagna.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2009-09
National legal reference of SPA designation	Deliberazione della Giunta Regionale dell'Emilia-Romagna n. 512 del 20 aprile 2009
Date site proposed as SCI:	1995-06
Date site confirmed as SCI:	No data
Date site designated as SAC:	2019-03
National legal reference of SAC designation:	DM 13/03/2019 - G.U. 79 del 03-04-2019

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

Longitude 11.4211 Latitude 44.4236

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2.2 Area [ha]:

4296.0

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

ITD5	Emilia-Romagna
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2.6 Biogeographical Region(s)

Continental (100.0
%)

3. ECOLOGICAL INFORMATION

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3.1 Habitat types present on the site and assessment for them

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
3130 B			1.63		G	C	C	B	C
3140 B			1.29		G	B	C	B	B
3270 B			14.81		G	C	C	B	C
4030 B			2.26		G	B	C	B	B
5130 B			55.98		G	A	C	B	A
6110 B			9.37		G	A	C	A	A
6210 B	X		294.33		G	C	C	B	B
6220 B			152.6		G	B	C	B	A
8210 B			12.01		G	B	C	A	A
8240 B			0.4		G	B	C	B	B
8310 B			12.54		G	A	C	B	A
9180 B			0.31		G	B	C	B	B
91AA B			169.74		G	B	C	B	B
91L0 B			26.8		G	B	C	B	B
9260 B			14.29		G	C	C	C	C
92A0 B			99.53		G	B	C	B	B
9340 B			0.51		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
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G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D. qual.	A B C D			
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A086	Accipiter nisus			p				P	DD	C	B	C	B
B	A298	Acrocephalus arundinaceus			r				P	DD	C	B	C	B
B	A168	Actitis hypoleucos			c				P	DD	C	B	C	B
B	A324	Aegithalos caudatus			p				P	DD	C	B	C	B
B	A247	Alauda arvensis			r				P	DD	C	B	C	B
B	A229	Alcedo atthis			p				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			p				P	DD	C	B	C	B
B	A255	Anthus campestris			r				P	DD	C	B	C	C
B	A257	Anthus pratensis			r				P	DD	C	B	C	B
B	A256	Anthus trivialis			r				C	DD	C	B	C	C
B	A226	Apus apus			r				P	DD	C	B	C	C
B	A091	Aquila chrysaetos			c				V	DD	D			
B	A029	Ardea purpurea			c				P	DD	C	B	C	C
B	A221	Asio otus			r				P	DD	C	B	C	C
B	A218	Athene noctua			p				P	DD	C	B	C	B
I	1092	Austropotamobius pallipes			p				P	DD	C	B	C	B
F	5086	Barbus caninus			p				V	DD	C	B	C	B
F	1137	Barbus plebejus			p				C	DD	C	B	C	B
A	5357	Bombina pachypus			p				P	DD	C	B	B	B
B	A215	Bubo bubo			c				P	DD	C	B	C	C
B	A087	Buteo buteo			p				P	DD	C	B	C	B
M	1352	Canis lupus			c				V	DD	D			
B	A224	Caprimulgus europaeus			r				P	DD	C	B	C	C
B	A364	Carduelis carduelis			r				P	DD	C	B	C	B
I	1088	Cerambyx cerdo			p				P	DD	C	B	C	C
B	A335	Certhia brachydactyla			r				P	DD	C	B	C	B
B	A363	Chloris chloris			p				P	DD	C	B	C	B
B	A031	Ciconia ciconia			c				P	DD	C	C	C	C
B	A080	Circaetus gallicus			c				P	DD	C	B	C	C
B	A081	Circus aeruginosus			c				P	DD	C	B	C	C
B	A082	Circus cyaneus			w				P	DD	C	B	C	C
B	A084	Circus pygargus			r				P	DD	C	B	C	B
F	5304	Cobitis bilineata			p				R	DD	C	C	C	C
B	A373	Coccothraustes coccothraustes			c				P	DD	C	B	C	B
B	A208	Columba palumbus			p				P	DD	C	B	C	B
B	A231	Coracias garrulus			c				P	DD	D			
B	A615	Corvus cornix			p				P	DD	C	B	C	B
B	A347	Corvus monedula			p				P	DD	C	B	C	B
B	A113	Coturnix coturnix			r				P	DD	C	B	C	C
B	A212	Cuculus canorus			r				P	DD	C	B	C	C
B	A483	Cyanistes caeruleus			r				P	DD	C	B	C	B

B	A738	Delichon urbicum			r				P	DD	C	B	C	C
B	A237	Dendrocopos major			p				P	DD	C	B	C	B
B	A869	Dryobates minor			p				P	DD	C	B	C	B
B	A383	Emberiza calandra			r				P	DD	C	B	C	B
B	A377	Emberiza cirius			r				P	DD	C	B	C	B
B	A379	Emberiza hortulana			r				P	DD	C	B	C	C
R	1220	Emys orbicularis			p				P	DD	C	B	C	B
I	1074	Eriogaster catax			p				P	DD	C	B	C	B
B	A269	Erithacus rubecula			p				P	DD	C	B	C	B
I	6199	Euplagia quadripunctaria			p				P	DD	C	B	C	C
B	A095	Falco naumanni			c				P	DD	C	B	C	C
B	A103	Falco peregrinus			c				P	DD	C	B	C	C
B	A099	Falco subbuteo			p				P	DD	C	B	C	B
B	A096	Falco tinnunculus			p				P	DD	C	B	C	B
B	A097	Falco vespertinus			c				P	DD	C	B	C	C
B	A125	Fulica atra			r				P	DD	C	B	C	B
B	A123	Gallinula chloropus			p				P	DD	C	B	C	B
B	A342	Garrulus glandarius			p				P	DD	C	B	C	B
P	4104	Himantoglossum adriaticum			p				P	DD	C	B	C	B
B	A300	Hippolais polyglotta			r				P	DD	C	B	C	C
B	A251	Hirundo rustica			r				P	DD	C	B	C	C
B	A233	Jynx torquilla			r				P	DD	C	B	C	C
B	A338	Lanius collurio			r				P	DD	C	B	C	C
B	A341	Lanius senator			c				P	DD	C	B	C	C
I	1083	Lucanus cervus			p				P	DD	C	B	C	C
B	A246	Lullula arborea			r				P	DD	C	B	C	C
B	A271	Luscinia megarhynchos			r				P	DD	C	B	C	C
B	A230	Merops apiaster			r				P	DD	C	B	C	C
B	A073	Milvus migrans			c				P	DD	C	B	C	C
B	A074	Milvus milvus			c				P	DD	C	B	C	C
M	1310	Miniopterus schreibersii			p				P	DD	C	B	C	A
B	A262	Motacilla alba			r				P	DD	C	B	C	B
B	A260	Motacilla flava			r				P	DD	C	B	C	C
B	A319	Muscicapa striata			r				P	DD	C	B	C	C
M	1323	Myotis bechsteinii			r				P	DD	C	A	C	A
M	1307	Myotis blythii			p				P	DD	C	B	C	A
M	1321	Myotis emarginatus			p				P	DD	C	A	C	A
M	1324	Myotis myotis			p				P	DD	C	B	C	A
B	A023	Nycticorax nycticorax			c				P	DD	C	B	C	C
B	A277	Oenanthe oenanthe			r				P	DD	C	B	C	C
B	A337	Oriolus oriolus			r				P	DD	C	B	C	C
I	1084	Osmoderma eremita			p				P	DD	C	B	C	B
B	A214	Otus scops			c				P	DD	C	B	C	B
B	A094	Pandion haliaetus			c				P	DD	C	B	C	C
B	A330	Parus major			r				P	DD	C	B	C	B

B	A621	Passer italiae			p				P	DD	C	B	C	B
B	A356	Passer montanus			p				P	DD	C	B	C	B
B	A473	Periparus ater			r				P	DD	C	B	C	B
B	A072	Pernis apivorus			r				P	DD	C	B	C	C
B	A273	Phoenicurus ochruros			r				P	DD	C	B	C	B
B	A274	Phoenicurus phoenicurus			r				P	DD	C	B	C	C
B	A499	Phylloscopus bonelli			r				P	DD	C	B	C	B
B	A572	Phylloscopus collybita			r				P	DD	C	B	C	B
B	A314	Phylloscopus sibilatrix			c				P	DD	C	B	C	C
B	A343	Pica pica			p				P	DD	C	B	C	B
B	A866	Picus viridis			p				P	DD	C	B	C	B
B	A493	Poecile palustris			r				P	DD	C	B	C	B
F	5962	Protochondrostoma genei			p				R	DD	C	B	C	B
B	A318	Regulus ignicapilla			p				P	DD	C	B	C	B
B	A317	Regulus regulus			p				P	DD	C	B	C	B
M	1305	Rhinolophus euryale			p				P	DD	C	B	C	A
M	1304	Rhinolophus ferrumequinum			p				P	DD	C	B	C	A
M	1303	Rhinolophus hipposideros			p				P	DD	C	B	C	A
B	A249	Riparia riparia			c				P	DD	C	B	C	B
B	A276	Saxicola torquatus			r				P	DD	C	B	C	B
B	A361	Serinus serinus			p				P	DD	C	B	C	B
B	A332	Sitta europaea			r				P	DD	C	B	C	B
B	A209	Streptopelia decaocto			p				P	DD	C	B	C	B
B	A210	Streptopelia turtur			r				P	DD	C	B	C	C
B	A219	Strix aluco			p				P	DD	C	B	C	B
B	A351	Sturnus vulgaris			r				P	DD	C	B	C	B
B	A311	Sylvia atricapilla			r				P	DD	C	B	C	B
B	A304	Sylvia cantillans			r				P	DD	C	B	C	C
B	A309	Sylvia communis			r				P	DD	C	B	C	C
B	A305	Sylvia melanocephala			r				P	DD	C	B	C	B
B	A228	Tachymarptis melba			c				P	DD	C	B	C	B
F	5331	Telestes muticellus			p				R	DD	C	B	C	B
A	1167	Triturus carnifex			p				P	DD	C	B	C	B
B	A265	Troglodytes troglodytes			p				P	DD	C	B	C	B
B	A286	Turdus iliacus			c				P	DD	C	B	C	B
B	A283	Turdus merula			p				P	DD	C	B	C	B
B	A285	Turdus philomelos			c				P	DD	C	B	C	B
B	A284	Turdus pilaris			c				P	DD	C	B	C	B
B	A287	Turdus viscivorus			c				P	DD	C	B	C	B
B	A213	Tyto alba			p				P	DD	C	B	C	B
B	A232	Upupa epops			r				P	DD	C	B	C	C

- **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		Anacamptis pyramidalis						P					X	
R		Anguis fragilis						P					X	
A		Bufo bufo						P					X	
A	6962	Bufotes viridis Complex						P	X					
R		Chalcides chalcides						P					X	
R		Coronella girondica						P			X			
I		Dolichopoda sp.						P						X
M		Eliomys quercinus						P			X			
M	1327	Eptesicus serotinus						P	X					
F		Gobio gobio						P						X
R	5670	Hierophis viridiflavus						P	X					
A	5358	Hyla intermedia						P	X					
M	5365	Hypsugo savii						P	X					
M	1344	Hystrix cristata						P	X					
I		Iolana iolas						P						X
P		Isopyrum thalictroides						P						X
R	5179	Lacerta bilineata						P	X					
A		Lissotriton vulgaris						P			X			
M	1341	Muscardinus avellanarius						P	X					
M	1314	Myotis daubentonii						P	X					
M	1322	Myotis nattereri						P	X					
R		Natrix natrix						P					X	
R	1292	Natrix tessellata						P	X					
I		Niphargus spp.						P						X
M	1312	Nyctalus noctula						P	X					
P		Ononis masquillierii						P				X		
P		Orchis coriophora						P					X	
F		Padogobius martensii						V			X			
A	6976	Pelophylax esculentus						P		X				
M	2016	Pipistrellus kuhlii						P	X					
M	1309	Pipistrellus pipistrellus						P	X					
M	1326	Plecotus auritus						P	X					
M	1329	Plecotus austriacus						P	X					

R	1256	Podarcis muralis						P	X					
R	1250	Podarcis siculus						P	X					
I		Porrhomma sipolae						P						X
A	1209	Rana dalmatina						P	X					
P	1849	Ruscus aculeatus						P		X				
M		Suncus etruscus						P					X	
R		Vipera aspis						P					X	
R	6091	Zamenis longissimus						P	X					
I	1053	Zerynthia polyxena						P	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

4.1 General site character

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Habitat class	% Cover
N15	6.0
N16	13.0
N18	1.0
N08	14.0
N21	1.0
N10	10.0
N12	20.0
N14	5.0
N23	2.0
N09	15.0
N06	1.0
N22	11.0
N20	1.0
Total Habitat Cover	100

Other Site Characteristics

Affioramenti gessosi nella prima collina bolognese caratterizzati da doline, inghiottitoi e grotte (Grotta della Spipola, la più grande grotta italiana nei gessi). Fascia calanchiva in gran parte su argille scagliose. Boschi mesofili, xero-termofili, radure e pratelli xerici.

4.2 Quality and importance

Specie vegetali CORINE appendice K : Orchis coriophora. Specie animali: Coronella girondica, specie presente con distribuzione altamente frammentata lungo la fascia medio-montana e collinare. Specializzata ad habitat xerici. Scarse conoscenze sulla distribuzione ed ecologia di popolazione. Importantissime colonie di Rhinolophus spp., Myotis spp. e Miniopterus schreibersi. Nidificazione delle specie ornitiche degli ambienti calanchivi (in particolare Circus pygargus). Ricchezza ittica dei torrenti.

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		
	Threats and	Pollution

Positive Impacts		
	Activities,	Pollution inside

Rank	pressures [code]	(optional) [code]	inside/outside [i o b]
M	D01		i
M	A09		i
M	G14		i
M	E01		i
M	A08		i
M	K05		i
M	A21		i
L	F02		i
M	F07		i
M	G08		i
L	D05		o

Rank	management [code]	(optional) [code]	/outside [i o b]
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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)

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 [%]
IT13	13.0	IT04	87.0		

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT04	Parco Regionale Gessi Bolognesi e Calanchi dell'Abbadessa	*	87.0

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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Organisation:	ENTE GESTORE: Ente di Gestione per i Parchi e la Biodiversità Emilia orientale
Address:	recapiti ed email consultabili sul web: http://ambiente.regione.emilia-romagna.it/it/parchi-natura2000/consultazione/enti-di-gestione/enti-gestione-parchi
Email:	-

6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/> Yes	Name: Piani di Gestione del sito IT4050001 - Gessi Bolognesi, Calanchi dell'Abbadessa Link: http://ambiente.regione.emilia-romagna.it/it/parchi-natura2000/rete-natura-2000/strumenti-di-gestione/misure-specifiche-di-conservazione-piani-di-gestione/elenco-documenti-approvati-per-sito-piani-di-gestione
<input type="checkbox"/> No, but in preparation	
<input type="checkbox"/> No	

6.3 Conservation measures (optional)

Le Misure Specifiche di Conservazione sono consultabili alla pagina web del sito: <http://ambiente.regione.emilia-romagna.it/it/parchi-natura2000/rete-natura-2000/siti/it4050001>

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).