



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 IT5190011
SITENAME Crete dell'Orcia e del Formone

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1. SITE IDENTIFICATION

1.1 Type C	1.2 Site code IT5190011	Back to top
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1.3 Site name

Crete dell'Orcia e del Formone

1.4 First Compilation date 1995-07	1.5 Update date 2015-12
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1.6 Respondent:

Name/Organisation: Regione Toscana -D.G. Politiche Ambientali,Energia e Cambiamenti
Climatici-Settore Tutela e Valorizzazione Risorse Ambientali
Address: Via di Novoli, 26 - 50127 Firenze
Email: parchiareeprotette_biodiversita@regione.toscana.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2004-03
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:	No data

National legal reference of SAC designation:

No data

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude

11.744722222222

Latitude

42.954444444444

2.2 Area [ha]:

8238.0

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

ITE1

Toscana







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
3150 			0.11		M	C	C	C	C
3250 			291.43		M	A	C	B	B
5130 			218.21		M	B	C	B	B
6210 	X		647.15		M	B	C	B	B
6220 			647.15		M	B	C	B	B
6420 			72.37		M	B	C	B	B

91AA B			1030.78		M	B	C	C	B
91M0 B			22.13		M	B	C	C	C
92A0 B			116.53		M	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.
B	A086	Accipiter nisus			p				P	DD	C	B	C	B
B	A229	Alcedo atthis			p				P	DD	C	C	C	C
B	A255	Anthus campestris			r				P	DD	C	A	C	B
B	A133	Burhinus oedicnemus			r				P	DD	C	B	C	A
B	A243	Calandrella brachydactyla			r				P	DD	C	B	C	B
M	1352	Canis lupus			p				P	DD	C	C	C	C
B	A224	Caprimulgus europaeus			r				P	DD	C	B	C	B
B	A366	Carduelis cannabina			p				P	DD	C	B	C	B
B	A136	Charadrius dubius			r				P	DD	C	B	C	B
B	A080	Circus gallicus			r				P	DD	C	C	C	C
B	A082	Circus cyaneus			w				P	DD	C	B	C	C
B	A084	Circus pygargus			r				P	DD	C	B	C	A
B	A231	Coracias garrulus			r				R	DD	C	A	C	A
B	A113	Coturnix coturnix			r				P	DD	C	B	C	B
B	A026	Egretta garzetta			p				P	DD	D			

R	1279	Elaphe quatuorlineata			p				P	DD	C	C	C	C
B	A379	Emberiza hortulana			r				R	DD	C	B	C	B
B	A101	Falco biarmicus			p				P	DD	C	C	C	C
B	A103	Falco peregrinus			p				P	DD	D			
B	A099	Falco subbuteo			r				P	DD	C	C	C	C
B	A096	Falco tinnunculus			p				P	DD	C	A	C	B
B	A233	Jynx torquilla			r				R	DD	C	C	C	C
B	A338	Lanius collurio			r				P	DD	C	C	C	C
B	A246	Lullula arborea			p				P	DD	C	A	C	B
B	A260	Motacilla flava			r				P	DD	C	C	C	C
B	A214	Otus scops			r				P	DD	C	A	C	B
F	1156	Padogobius nigricans			p				P	DD	C	B	C	B
B	A072	Pernis apivorus			r				P	DD	D			
F	1136	Rutilus rubilio			p				P	DD	C	B	C	C
F	6148	Squalius lucumonis			p				R	DD	C	C	C	B
A	1167	Triturus carnifex			p				P	DD	B	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		Artemisia cretacea						C				X		

F	5097	Barbus tyberinus						P		X				
A	1201	Bufo viridis						P	X					
R	1284	Coluber viridiflavus						P	X					
M	1327	Eptesicus serotinus						P	X					
A	5358	Hyla intermedia						P	X					
M	5365	Hypsugo savii						P	X					
R		Lacerta bilineata						P	X				X	
R	1292	Natrix tessellata						P	X					
B	A277	Oenanthe oenanthe						P						X
M	2016	Pipistrellus kuhlii						P	X					
M	1309	Pipistrellus pipistrellus						P	X					
R	1256	Podarcis muralis						P	X					
R	1250	Podarcis sicula						P	X					
I		Potamon fluviatile						P						X
A	1209	Rana dalmatina						P	X					
A	1210	Rana esculenta						C		X				
I		Retinella olivetorum						P						X
P	1849	Ruscus aculeatus						P		X				
P		Santolina etrusca						C				X		
B		Sylvia cantillans moltonii						R			X		X	
A		Triturus vulgaris						P						X
I		Unio mancus						P						X
R	1281	Zamenis longissimus [Elaphe longissima]						R	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

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4.1 General site character

Habitat class	% Cover
N12	50.0
N10	1.0
N08	7.0
N22	2.0
N14	10.0
N21	1.0
N16	7.0
N09	8.0
N23	1.0
N20	1.0
N15	10.0
N06	2.0
Total Habitat Cover	100

Other Site Characteristics

Area collinare in prevalenza occupata da colture erbacee ed aree calanchive, con corsi d'acqua che scorrono in ampi alvei naturali. Paesaggio molto caratterizzato, di grandissimo valore scenico, minacciato di estinzione.

4.2 Quality and importance

Presenza di numerose specie ornitiche rare e minacciate di tipo steppico, legate al peculiare mosaico ambientale; di particolare importanza per la nidificazione di *Burhinus oediceus* e *Circus pygargus* e per lo svernamento di *Circus cyaneus*. Da segnalare varie tipologie di formazione vegetazionale ben conservate (boschi ripariali di salici, pioppi e olmi, brometi a *Bromus erectus* con orchidee, formazioni di *Juniperus communis*).

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			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
M	I01		i
L	D01		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
	X		

L	F04		i
L	I03.01		b
L	A11		i
L	U		i
L	E06.02		i
H	J02		b
H	A02		i
M	H01		i
L	C01.01		b
M	G01		b
M	B02		i
H	A01		i
L	E02		b
M	F03		i
L	A03		i
H	J03		i
M	A07		i
M	K02		i
H	A04.03		i

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

Archivio RENATO - Repertorio Naturalistico Toscano - Regione Toscana Comunicazione Leonardo Favilli. Comunicazione Stefano Vanni. Piante Vascolari: Angiolini C., Boscagli A., Scoppola A., in press., , Studio preliminare su distribuzione ed ecologia di Santolina etrusca (Locaita) Marchi et D'Amato., Coll. Phytosoc. Chiarucci A., De Dominicis V., Ristori J., Calzolari C. - Biancana badland vegetation in relation to morphology and soil in Orcia Valley Italy., 1995, Phytocaenologia, 25: 69-87. Comunicazione Claudia Angiolini. Uccelli: Fabbrizzi F. - I Falconiformi della regione del Monte Amiata (Aves)., 1991, Atti Mus. civ. Stor. nat. (Grosseto), 14: 43-51. Scoccianti C., Scoccianti G. - I rapaci diurni delle province di Siena e Grosseto. Studio per la conservazione., 1995, WWF Delegazione Toscana serie scientifica, 2: 136 pp. Pesci: Bioprogramm s.c.r.l. 1996 Piano di gestione delle comunita' ittiche Amministrazione Provinciale di Siena. Inedito. Crostacei: AA. VV. 1988 Gestione della Fauna ittica. Presupposti ecologici e popolazionistici. A cura del Consorzio Regionale di Idrobiologia e Pesca. Vol. I Regione Toscana. Giunta Regionale, Firenze. Molluschi: Collezione F. Giusti, Dip. di Biologia Evolutiva, Università di Siena. ·Piazzini S., Favilli L. & Manganelli G., 2005. Atlante degli Anfibi della Provincia di Siena (1999-2004).Sistema delle riserve Naturali della Provincia di Siena , Quaderni Naturalistici, 1: 112 pp.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]
IT11	80.0

Code	Cover [%]
IT05	10.0

Code	Cover [%]
IT13	80.0

6. SITE MANAGEMENT

6.2 Management Plan(s):

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An actual management plan does exist:

<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No, but in preparation
<input type="checkbox"/>	No

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).

CTR 1:10000 Gauss-Boaga