



# 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

## TABLE OF CONTENTS

- [1. SITE IDENTIFICATION](#)
- [2. SITE LOCATION](#)
- [3. ECOLOGICAL INFORMATION](#)
- [4. SITE DESCRIPTION](#)
- [5. SITE PROTECTION STATUS](#)
- [6. SITE MANAGEMENT](#)
- [7. MAP OF THE SITE](#)

## 1. SITE IDENTIFICATION

1.1 Type	1.2 Site code	<a href="#">Back to top</a>
C	IT5190011	

### 1.3 Site name

Crete dell'Orcia e del Formone
--------------------------------

1.4 First Compilation date	1.5 Update date
1995-07	2015-12

### 1.6 Respondent:

<b>Name/Organisation:</b>	Regione Toscana -D.G. Politiche Ambientali,Energia e Cambiamenti Climatici-Settore Tutela e Valorizzazione Risorse Ambientali
<b>Address:</b>	Via di Novoli, 26 - 50127 Firenze
<b>Email:</b>	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:	2016-05

National legal reference of SAC designation:

DM 24/05/2016 - G.U. 139 del 16-06-2016

## 2. SITE LOCATION

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

[Back to top](#)

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

[Back to top](#)

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			1030.78		M	B	C	C	B
91M0			22.13		M	B	C	C	C
92A0			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	<a href="#">Accipiter nisus</a>			p				P	DD	C	B	C	B
B	A229	<a href="#">Alcedo atthis</a>			p				P	DD	C	C	C	C
B	A255	<a href="#">Anthus campestris</a>			r				P	DD	C	A	C	B
B	A133	<a href="#">Burhinus oedicnemus</a>			r				P	DD	C	B	C	A
B	A243	<a href="#">Calandrella brachydactyla</a>			r				P	DD	C	B	C	B
M	1352	<a href="#">Canis lupus</a>			p				P	DD	C	C	C	C
B	A224	<a href="#">Caprimulgus europaeus</a>			r				P	DD	C	B	C	B
B	A366	<a href="#">Carduelis cannabina</a>			p				P	DD	C	B	C	B
B	A136	<a href="#">Charadrius dubius</a>			r				P	DD	C	B	C	B
B	A080	<a href="#">Circus gallicus</a>			r				P	DD	C	C	C	C
B	A082	<a href="#">Circus cyaneus</a>			w				P	DD	C	B	C	C
B	A084	<a href="#">Circus pygargus</a>			r				P	DD	C	B	C	A
B	A231	<a href="#">Coracias garrulus</a>			r				R	DD	C	A	C	A
B	A113	<a href="#">Coturnix coturnix</a>			r				P	DD	C	B	C	B

B	A026	<a href="#">Egretta garzetta</a>			p				P	DD	D			
R	1279	<a href="#">Elaphe quatuorlineata</a>			p				P	DD	C	C	C	C
B	A379	<a href="#">Emberiza hortulana</a>			r				R	DD	C	B	C	B
B	A101	<a href="#">Falco biarmicus</a>			p				P	DD	C	C	C	C
B	A103	<a href="#">Falco peregrinus</a>			p				P	DD	D			
B	A099	<a href="#">Falco subbuteo</a>			r				P	DD	C	C	C	C
B	A096	<a href="#">Falco tinnunculus</a>			p				P	DD	C	A	C	B
B	A233	<a href="#">Jynx torquilla</a>			r				R	DD	C	C	C	C
B	A338	<a href="#">Lanius collurio</a>			r				P	DD	C	C	C	C
B	A246	<a href="#">Lullula arborea</a>			p				P	DD	C	A	C	B
B	A260	<a href="#">Motacilla flava</a>			r				P	DD	C	C	C	C
B	A214	<a href="#">Otus scops</a>			r				P	DD	C	A	C	B
F	1156	<a href="#">Padogobius nigricans</a>			p				P	DD	C	B	C	B
B	A072	<a href="#">Pernis apivorus</a>			r				P	DD	D			
F	1136	<a href="#">Rutilus rubilio</a>			p				P	DD	C	B	C	C
F	6148	<a href="#">Squalius lucumonis</a>			p				R	DD	C	C	C	B
A	1167	<a href="#">Triturus carnifex</a>			p				P	DD	B	B	C	C

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

P		<a href="#">Artemisia cretacea</a>						C				X		
F	5097	<a href="#">Barbus tyberinus</a>						P		X				
A	1201	<a href="#">Bufo viridis</a>						P	X					
R	1284	<a href="#">Coluber viridiflavus</a>						P	X					
M	1327	<a href="#">Eptesicus serotinus</a>						P	X					
A	5358	<a href="#">Hyla intermedia</a>						P	X					
M	5365	<a href="#">Hypsugo savii</a>						P	X					
R		<a href="#">Lacerta bilineata</a>						P	X				X	
R	1292	<a href="#">Natrix tessellata</a>						P	X					
B	A277	<a href="#">Oenanthe oenanthe</a>						P						X
M	2016	<a href="#">Pipistrellus kuhlii</a>						P	X					
M	1309	<a href="#">Pipistrellus pipistrellus</a>						P	X					
R	1256	<a href="#">Podarcis muralis</a>						P	X					
R	1250	<a href="#">Podarcis sicula</a>						P	X					
I		<a href="#">Potamon fluviatile</a>						P						X
A	1209	<a href="#">Rana dalmatina</a>						P	X					
A	1210	<a href="#">Rana esculenta</a>						C		X				
I		<a href="#">Retinella olivetorum</a>						P						X
P	1849	<a href="#">Ruscus aculeatus</a>						P		X				
P		<a href="#">Santolina etrusca</a>						C				X		
B		<a href="#">Sylvia cantillans moltonii</a>						R			X		X	
A		<a href="#">Triturus vulgaris</a>						P						X
I		<a href="#">Unio mancus</a>						P						X
R	1281	<a href="#">Zamenis longissimus</a> [ <a href="#">Elaphe longissima</a> ]						R	X					
I	1053	<a href="#">Zerynthia polyxena</a>						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

[Back to top](#)

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

### 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 oedicephalus* 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]

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

M	K02		i
H	A01		i
L	E02		b
H	J02		b
M	B02		i
L	U		i
H	J03		i
M	G01		b
L	A11		i
L	C01.01		b
M	I01		i
H	A02		i
M	A07		i
M	F03		i
L	A03		i
H	A04.03		i
M	H01		i
L	I03.01		b
L	E06.02		i
L	D01		i
L	F04		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: Fabbri 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:

[Back to top](#)

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IT13	80.0	IT11	80.0	IT05	10.0

### 5.2 Relation of the described site with other sites:

### 5.3 Site designation (optional)

## 6. SITE MANAGEMENT

[Back to top](#)

### 6.1 Body(ies) responsible for the site management:

### 6.2 Management Plan(s):

An actual management plan does exist:

- ☐ Yes
- ☒ No, but in preparation
- ☐ No

### 6.3 Conservation measures (optional)

## 7. MAP OF THE SITES

[Back to top](#)

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